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OPERABLE UNIT 3 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT VOLUME 4 OF 4 - APPENDIX L - ****DRAFT**** - SEPTEMBER 1995

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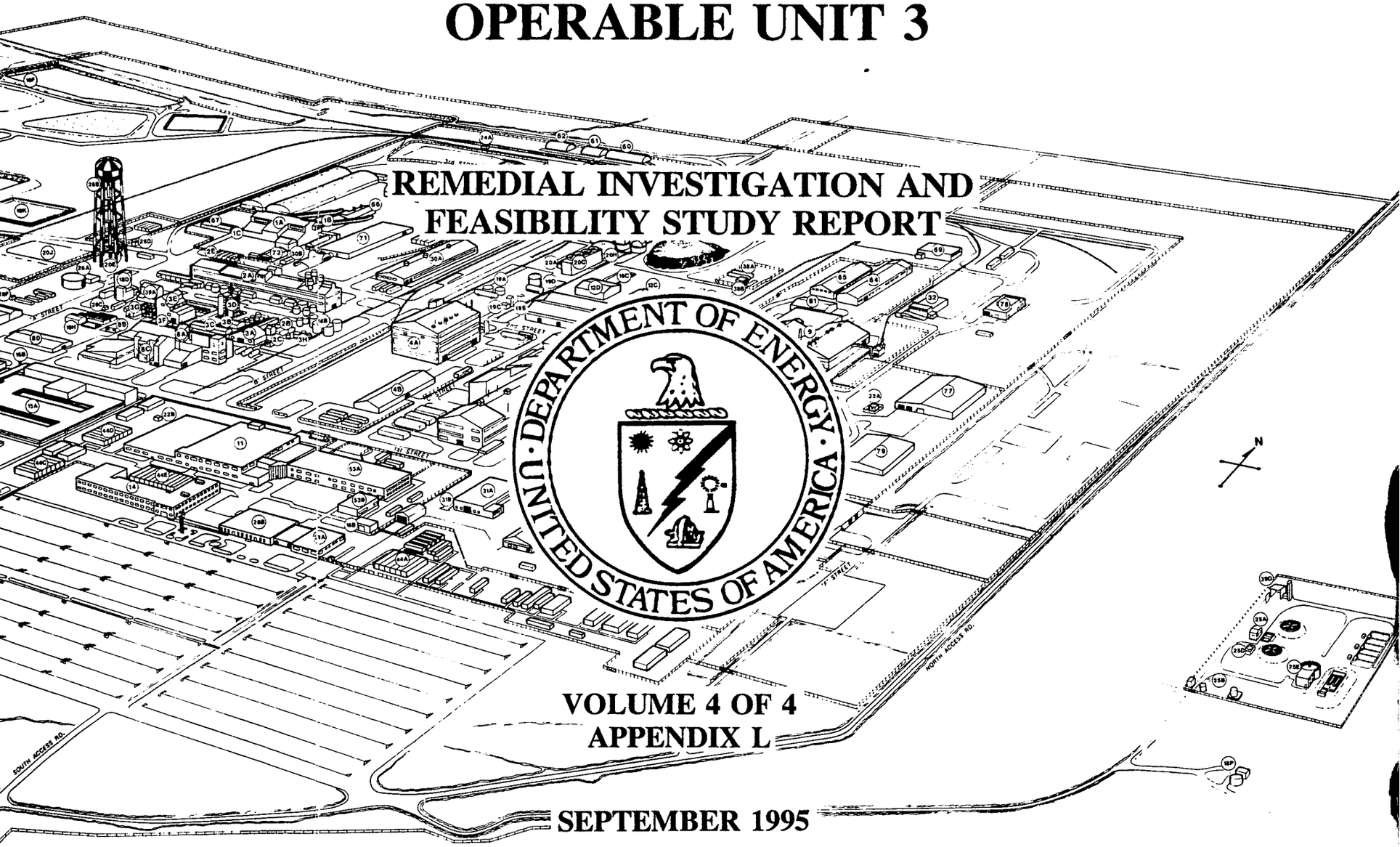
OPERABLE UNIT 3



REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT

VOLUME 4 OF 4
APPENDIX L

SEPTEMBER 1995

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

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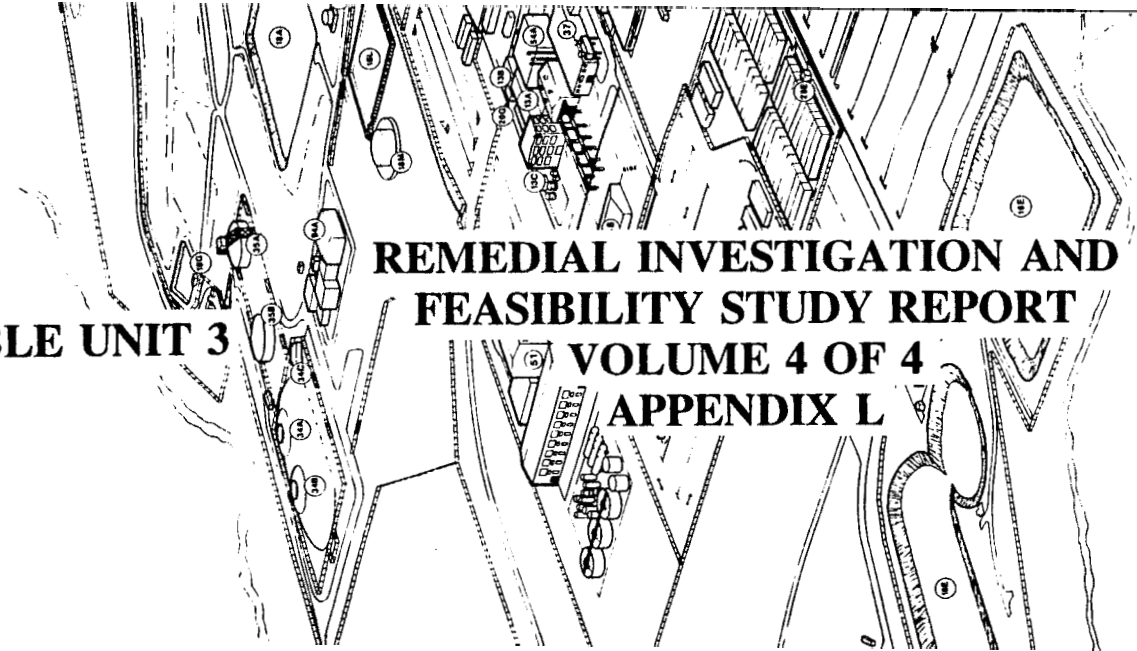

OPERABLE UNIT 3

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT

VOLUME 4 OF 4

APPENDIX L

SEPTEMBER
1995
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APPENDIX L

ANALYTICAL DATA

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L.0 INTRODUCTION

Section Description

Appendix L contains the analytical data for the OU3 RI/FS document. The appendix is divided into six sections, described below.

Table L.1-1 precedes Appendix L.1 and contains the OU3 Component Identification List. Component names, along with component designation, component category, and whether the component was sampled or not, are listed in this table. Appendix L.1 is the Data Source Table for the OU3 RI/FS document, listing sample numbers and material type for each component and process area within OU3. The sample numbers are further separated by analytical fraction (metal, radiological, volatile, semivolatile, pesticide/PCB). Appendix L.1 is divided into two sections and is listed by OU3 component designation. The first section of Appendix L.1 contains sample numbers for the Metal and Radiological fractions. The second section contains sample numbers for the Volatile, Semivolatile, and Pesticide/PCB fractions. Where applicable, duplicate samples and sample leachates (TCLP) are noted. No field quality control samples are listed within Appendix L.1, but the analytical data for these samples is presented in Appendix L.4. A long dash indicates that no samples were taken from the process area listed.

Appendix L.2 contains the analytical data for the Major Media for OU3. Material types within this appendix are concrete cores, concrete chips, masonry, acid brick, steel coatings, asphalt, and transite. The analytical data is separated into three sections: radiological analytes, trace metal analytes, and organic analytes. The data is sorted by OU3 component designation, and the header for each sample contains the material type, the sample depth (where applicable), the process area where the sample was taken from, and the sample number.

Appendix L.3 contains Supplemental Media data for OU3. For the metals and organic fraction of Appendix L.3, the results are listed as Additional Data. Material types within this appendix include but are not limited to unknown liquids, soils, sediment, air filters, and loose media. The analytical data is separated into three sections: radiological analytes, trace metal analytes, and organic analytes. The data is sorted by OU3 component, and the header for each sample contains the material type, the sample depth (where applicable), the process area where the sample was taken from, and the sample number.

Appendix L.4 contains the analytical data for the field quality control samples. Sample types within this appendix are field blanks, trip blanks, and field rinsate samples. The analytical data is separated into three sections: radiological analytes, trace metal analytes, and organic analytes. The data is sorted by OU3 component, and the header for each sample contains the material type (deionized water), the type of quality control sample, the process area where the sample was used for, and the sample number.

Appendix L.5 presents the crosswalk table for the OU3 Leachability Study detailed in Appendix G. This table links the K_L laboratory sample number, batch test number, time, and filter flag to the analytical data presented in Appendix L.6. This crosswalk table is provided as a means to associate data summarized in Appendix G with the data in Appendix L.6.

Appendix L.6 contains the analytical data for the OU3 Leachability Study which has been transferred to the Sitewide Environmental Database (SED). The appendix lists the Fernald Analytical Computerized Tracking System (FACTS) identification number, sample identification number, originating material, sample preparation procedure, quality assurance (QA) type, collection type, and parameter for each sample. For each parameter, the laboratory result, laboratory qualifier (LQ), validated result, validation qualifier (VQ), units, total propagated uncertainty (TPU), minimum detectable concentration (MDC) and laboratory are presented. Some analytical samples listed in Appendix G and Appendix L.5 are preliminary and, therefore, have not yet been transferred to the SED. The SED will be updated when final results are received and validated.

Analytical Reports

Analytical reports for radiological analytes contain the following information for each sample:

- Laboratory qualifier (LQ)
- Laboratory result (LabRes) +/- the Total Propagated Uncertainty (TPU) for each analyte
- Units for the sample
- Validated analytical result (ValRes) +/- the Validated Total Propagated Uncertainty for each analyte
- Validation qualifier (VQ)

Analytical reports for trace metal analytes and organic analytes contain the following information for each sample:

- Laboratory qualifier (LQ)
- Validated analytical result
- Units for the sample
- Validation qualifier (VQ)

Laboratory Qualifiers

U The reported value was obtained from a reading that was less than Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). This qualifier applies to inorganic analyses.

B Laboratory background contamination was detected for this analyte in the associated method blank. The method blank is an analytical control sample consisting of all reagents, internal standards, and surrogate standards that is carried through the entire analytical procedure. This qualifier applies to organic analyses.

C Result was confirmed by a second instrument (for pesticide/PCB analyses only).

D Sample result shown is a dilution result.

E Organic analyses - Instrument range was exceeded. Some laboratories use "X" for this qualifier.

E Inorganic analyses - The reported value was estimated because of the presence of interference.

J Data may be biased, and the associated numerical value is considered an estimated quantity.

N Spiked sample recovery was not within control limits. This qualifier applies to inorganic analyses.

S The reported value was determined by the Method of Standard Additions.

+ The correlations coefficient for the Method of Standard Additions was less than 0.995.

W Post-digestion spike for Furnace Atomic Absorption Analysis was outside of control limits (85-115%) while sample absorbance was less than 50% of spike absorbance.

X Instrument range was exceeded.

* Duplicate analysis was not within control limits.

Note: "S", "W", and "+" qualifiers are mutually exclusive. All other qualifiers are additive. For example, "UJ" in the validation qualifier column is the same as the "U" qualifier plus the "J" qualifier.

Total Propagated Uncertainty

The Total Propagated Uncertainty is a comprehensive evaluation of uncertainty for an analytical result and includes all factors that have been identified as significant contributors to the uncertainty of a measurement. The Total Propagated Uncertainty is further discussed in Appendix A.

Data Validation Qualifiers

C The total uranium result (mass) does not agree within +/- 20 percent of the calculated uranium mass as determined by the isotopic specific analysis

D Radionuclide was analyzed for but not detected. The reported sample Quantification Limit (SQL) exceeds the Contract Required Detection Limit (CRDL) and professional judgement must be exercised in the use of this data.

E The calculated uranium-235/uranium-238 mass ratio was outside the range of 0.2 to 1.3 percent enrichment and may indicate man's involvement in isotope separation.

J Results may be biased and are considered an estimated value.

M Matrix spike recovery associated with this sample was outside the control limits. Matrix interference was suspected.

N This analyte was tentatively identified from interpretation of mass spectrum of chromatographic data. This qualifier applies to organic analyses.

NV Not validated.

R Results were rejected and are considered unusable for risk assessment.

U Not detected above the associated value.

Z Data validator suggests that other reanalyses or dilutions reported for this analyte are more representative of actual concentration of sample.

- Positive result above the Contract Required Detection Limit (CRDL).

Note: Data validation qualifiers are additive. For example, "UJ" in the validation qualifier column is the same as the "U" qualifier plus the "J" qualifier.

Data Validation Flags - Uranium Analyses Only

A Total uranium was analyzed by alpha isotopic spectrometry.

G Total uranium was analyzed by gamma spectrometry.

F The ratio of uranium-234/uranium-238 was outside the acceptable range of 0.4 to 1.3.

K Total uranium was analyzed by (KPA) Kinetic Phosphorescence Analysis.

Note: These flags are informational in nature and do not delineate quality of the data.

Units of Measure

mg/kg	milligram per kilogram	parts per million (ppm)
mg/L	milligram per liter	parts per million (ppm)
µg/kg	microgram per kilogram	parts per billion (ppb)
µg/g	microgram per gram	parts per million (ppm)
µg/L	microgram per liter	parts per billion (ppb)
ng/L	nanogram per liter	parts per trillion (ppt)
pCi/g	picocuries per gram	
pCi/L	picocuries per liter	

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TABLE L.1-1

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled
Preparation Plant	1A	3	Sampled
Plant 1 Storage Shelter	1B	2	Non-Sampled
Plant 1 Ore Silos	1C	5	Non-Sampled
Ore Refinery Plant	2A	3	Sampled
General/Refinery Sump Control Bldg.	2B	4	Sampled
Bulk Lime Handling Building	2C	4	Sampled
Metal Dissolver Building	2D	3	Sampled
NFS Storage & Pump House	2E	5	Sampled
Cold Side Ore Conveyor	2F	9	Sampled
Hot Side Ore Conveyor	2G	9	Sampled
Conveyor Tunnel (from Plant 1)	2H	10	Sampled
Maintenance Building	3A	4	Sampled
Ozone Building	3B	4	Sampled
NAR Control House	3C	1	Sampled
NAR Towers	3D	5	Sampled
Hot Raffinate Building	3E	3	Sampled
Harshaw Digestion Fume Recovery	3F	5	Sampled
Refrigeration Building	3G	4	Sampled
Refinery Sump	3H	5	Sampled
Combined Raffinate Tanks	3J	5	Sampled
Old Cooling Water Tower	3K	10	Sampled
Electrical Power Center Building	3L	4	Sampled
Green Salt Plant	4A	3	Sampled
Plant 4 Warehouse	4B	2	Non-Sampled
Plant 4 Maintenance Building	4C	4	Sampled
Metals Production Plant	5A	3	Sampled
Plant 5 Ingot Pickling	5B	4	Sampled
Plant 5 Electrical Substation	5C	4	Sampled
West Derby Breakout/Slag Milling	5D	4	Non-Sampled
Plant 5 Filter Building	5E	2	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled*
Plant 5 Covered Storage Pad	5F	2	Non-Sampled
Plant 5 Ingot Storage Shelter	5G	2	Sampled
Metals Fabrication Plant	6A	3	Sampled
Plant 6 Covered Storage Area	6B	2	Sampled
Plant 6 Electrostatic Precipitator (South)	6C	3	Sampled
Plant 6 Electrostatic Precipitator (Central)	D	9	Sampled
Plant 6 Electrostatic Precipitator (North)	6E	3	Non-Sampled
Plant 6 Salt Oil Heat Treat Building	6F	3	Sampled
Plant 6 Sump Building	6G	3	Non-Sampled
Plant 7	7A	2	Non-Sampled
Plant 7 Overhead Crane	7B	9	Non-Sampled
Recovery Plant	8A	3	Sampled
Plant 8 Maintenance Building	8B	4	Sampled
Rotary Kiln/Drum Reconditioning	8C	3	Non-Sampled
Plant 8 Railroad Filter Building	8D	4	Non-Sampled
Drum Conveyor Shelter	8E	9	Non-Sampled
Plant 8 Old Drum Washer	8F	9	Sampled
Special Products Plant	9A	3	Sampled
Plant 9 Sump Treatment Facility	9B	3	Sampled
Plant 9 Dust Collector	9C	9	Sampled
Plant 9 Substation	9D	4	Sampled
Plant 9 Cylinder Shed	9E	4	Sampled
Electrostatic Precipitator	9F	3	Sampled
Boiler Plant	10A	4	Sampled
Boiler Plant Maintenance Building	10B	4	Sampled
Wet Salt Storage Bin	10C	4	Non-Sampled
Cont. Oil/Graphite Burn Pad	10D	8	Sampled
Utilities Heavy Equipment Building*	10E	4	Non-Sampled
Service Building	11	1	Sampled
Main Maintenance Building	12A	4	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled[a]
Cylinder Storage Building	12B	2	Non-Sampled
Lumber Storage Building	12C	2	Sampled
Maintenance Building Warehouse	12D	2	Non-Sampled
Pilot Plant Wet Side	13A	3	Sampled
Pilot Plant Maintenance Building	13B	4	Sampled
Sump Pump House	13C	3	Sampled
Pilot Plant Thorium Tank Farm	13D	5	Sampled
Administration Building	14A	1	Sampled
Building 14 EOC Generator Set	14B	9	Non-Sampled
Laboratory	15A	3	Sampled
Laboratory Chemical Storage Building	15B	2	Non-Sampled
Main Electrical Station	16A	9	Sampled
Electrical Substation	16B	4	Sampled
Electrical Panels and Transformer	16C	9	Sampled
Main Electrical Switch House	16D	4	Sampled
Main Electrical Transformers	16E	9	Sampled
Trailer Substation #1	16F	9	Sampled
Trailer Substation #2	16G	9	Sampled
10-Plex North Substation	16H	9	Non-Sampled
10-Plex South Substation	16J	9	Non-Sampled
BDN Surge Lagoon	18A	11	Sampled
General Sump	18B	5	Sampled
Coal Pile Runoff Basin	18C	11	Sampled
Biodenitrification Towers	18D	3	Non-Sampled
Storm Water Retention Basins	18E	11	Sampled
Clearwell Pump House	18G	3	Sampled
BDN Effluent Treatment Facility	18H	3	Sampled
Methanol Tank	18J	5	Sampled
Low Nitrate Tank	18K	11	Sampled
High Nitrate Tank	18L	11	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled
High Nitrate Storage Tank	18M	5	Sampled
Dissolved Oxygen Building	18P	4	Non-Sampled
IAWWT Valve House	18Q	4	Non-Sampled
Main Tank Farm	19A	5	Non-Sampled
Pilot Plant Ammonia Tank Farm	19B	5	Non-Sampled
Tank Farm Control House	19C	4	Non-Sampled
Old North Tank Farm	19D	5	Sampled
Tank Farm Lime Slitter Building	19E	4	Non-Sampled
Pump Station & Power Center	20A	4	Non-Sampled
Water Plant	20B	4	Non-Sampled
Cooling Towers	20C	9	Sampled
Elevated Potable Storage Tank	20D	5	Non-Sampled
Well House #1	20E	4	Non-Sampled
Well House #2	20F	4	Non-Sampled
Well House #3	20G	4	Non-Sampled
Process Water Storage Tank	20H	5	Non-Sampled
Gas Meter Building	22A	4	Non-Sampled
Storm Sewer Lift Station	22B	4	Non-Sampled
Truck Scale	22C	4	Non-Sampled
Scale House & Weigh Scale	22D	4	Non-Sampled
Utility Trench to Pit Area	22E	10	Sampled
Meteorological Tower	23	9	Non-Sampled
Railroad Scale House	24A	4	Sampled
Railroad Engine House	24B	4	Sampled
Chlorination Building	25A	4	Non-Sampled
M.H. #175/Eff. Line/Sampling Bldg.	25B	4	Non-Sampled
Sewage Lift Station Building	25C	4	Non-Sampled
U.V. Disinfection Building	25D	4	Non-Sampled
Digester and Control Building	25E	4	Sampled
Sludge Drying Beds	25F	11	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled[a]
Primary Settling Basins	25G	11	Sampled
Trickling Filters	25H	5	Sampled
10-Plex Sewage Lift Station	25J	10	Non-Sampled
Pump House - HP Fire Protection	26A	4	Non-Sampled
Elevated Water Storage Tank	26B	5	Non-Sampled
Main Electrical Strainer House	26C	4	Sampled
Security Building	28A	1	Sampled
Human Resources Building	28B	1	Non-Sampled
Guard Post on South End of D Street	28C	1	Non-Sampled
Guard Post on West End of 2nd Street	28D	4	Non-Sampled
Guard Post of T-81	28E	1	Non-Sampled
Skeet Range Building	28F	1	Non-Sampled
Guard Post South of Building 51	28G	1	Non-Sampled
Chemical Warehouse	30A	2	Sampled
Drum Storage Warehouse	30B	2	Non-Sampled
Old Ten Ton Scale	30C	8	Non-Sampled
Engine House/Garage	31A	3	Sampled
Old Truck Scale	31B	8	Non-Sampled
Magnesium Storage Building	32A	2	Non-Sampled
Building 32 Covered Loading Dock	32B	2	Sampled
Pilot Plant Annex	37	3	Sampled
Propane Storage	38A	4	Non-Sampled
Cylinder Filling Station	38B	9	Non-Sampled
Incinerator Building	39A	3	Sampled
Waste Oil Decant Shelter	39B	3	Sampled
Incinerator Sprinkler Riser House	39C	4	Non-Sampled
Sewage Treatment Plant Incinerator	39D	9	Sampled
Rust Engineering Building	45A	1	Sampled
Utility Shed East of Rust Trailers	45B	4	Sampled
Heavy Equipment Building	46	4	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled*
Six to Four Reduction Facility #2	51	4	Non-Sampled
Health & Safety Building	53A	1	Sampled
In Vivo Building	53B	1	Non-Sampled
Six to Four Reduction Facility #1	54A	3	Sampled
Pilot Plant Shelter	54B	2	Sampled
Pilot Plant Dissociator Shelter	54C	4	Sampled
Slag Recycling Building	55A	3	Sampled
Slag Recycling Pit/Elevator	55B	3	Sampled
CP Storage Warehouse	56A	2	Sampled
Storage Shed (West)	56B	2	Non-Sampled
Storage Shed (East)	56C	2	Non-Sampled
Quonset Hut #1	60	2	Non-Sampled
Quonset Hut #2	61	2	Non-Sampled
Quonset Hut #3	62	2	Sampled
KC-2 Warehouse	63	2	Sampled
Thorium Warehouse	64	2	Sampled
(Old) Plant 5 Warehouse	65	2	Non-Sampled
Drum Reconditioning Building	66	3	Sampled
Plant 1 Thorium Warehouse	67	2	Sampled
Pilot Plant Warehouse	68	2	Sampled
Decontamination Building	69	3	Sampled
General In-Process Warehouse	71	2	Sampled
Drum Storage Building	72	2	Sampled
Fire Brigade Training Center Bldg.	73A	1	Non-Sampled
Fire Training Pond	73B	11	Non-Sampled
Fire Training Tank	73C	5	Non-Sampled
Fire Training Burn Trough	73D	6	Non-Sampled
Confined Space Burn Tank	73E	5	Non-Sampled
Plant 2 East Pad	74A	8	Sampled
Plant 2 West Pad	74B	8	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled[a]
Plant 8 East Pad	74C	8	Sampled
Plant 8 West Pad	74D	8	Sampled
Plant 4 Pad	74E	8	Sampled
Plant 7 Pad	74F	8	Sampled
Plant 5 East Pad	74G	8	Sampled
Plant 5 South Pad	74H	8	Sampled
Plant 6 Pads	74J	8	Sampled
Plant 9 Pad	74K	8	Sampled
Building 65 West Pad	74L	8	Sampled
Building 64 East Pad & R.R. Dock	74M	8	Sampled
Building 12 North Pad	74N	8	Sampled
Decontamination Pad	74P	8	Sampled
Plant 8 Old Metal Dissolver Pad	74Q	8	Sampled
Plant 8 North Pad	74R	8	Sampled
Building 63 West Pad	74S	8	Sampled
Plant 1 Storage Pad	74T	8	Sampled
Pilot Plant Pad	74U	8	Sampled
Laboratory Pad	74V	8	Sampled
Building 39A Pad	74W	8	Sampled
Finished Products Warehouse (4A)	77	2	Sampled
D & D Building	78	4	Non-Sampled
Plant 6 Warehouse	79	2	Sampled
Plant 8 Warehouse	80	2	Sampled
Plant 9 Warehouse	81	2	Sampled
Receiving/Incoming Materials Inspection	82	4	Non-Sampled
Clearwell Line	88	10	Sampled
Parking Lot	89	8	Non-Sampled
Railroad Tracks	G-001	8	Non-Sampled
Roads	G-002	8	Sampled
Storm Sewer System	G-003	10	Sampled

TABLE L.1-1 (Continued)

OPERABLE UNIT 3 COMPONENT IDENTIFICATION LIST

Component	Component Designation	Component Category	Component Sampled/Non-Sampled[a]
Utility Lines	G-004	10	Non-Sampled
Underground Storage Tanks	G-005	6	Non-Sampled
Process Trailers	G-006	1	Non-Sampled
Non-Process Trailers	G-007	1	Non-Sampled
Pipe Bridges	G-008	9	Non-Sampled
Non-RCRA Drums	G-009	5	Non-Sampled
RCRA Drums	G-010	5	Non-Sampled
Inventory	G-011	5	Non-Sampled
Mobile Containers (Sea-Land)	G-012	5	Non-Sampled
Soil Piles	G-013	7	Sampled
Rock Salt Pile	P-001	7	Non-Sampled
Sand Piles	P-002	7	Non-Sampled
Gravel Pile	P-003	7	Non-Sampled
Copper Metal Scrap Pile	P-004	7	Non-Sampled
Coal Pile	P-005	7	Non-Sampled
Scrap Metal Pile	P-006	7	Non-Sampled
Outside Equipment Storage Area	P-007	7	Non-Sampled
Tension Support Structure #1	TS-001	2	Non-Sampled
Tension Support Structure #2	TS-002	2	Non-Sampled
Tension Support Structure #3	TS-003	2	Non-Sampled
Tension Support Structure #4	TS-004	2	Non-Sampled
Tension Support Structure #5	TS-005	2	Non-Sampled
Tension Support Structure #6	TS-006	2	Non-Sampled

[a] - Refer to Section 2.2

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Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 1A - Preparation Plant		
PA 1 - Drum Sampling	1A-003 - CONCRETE CHIPS 1A-004A - STEEL COATINGS	1A-003 - CONCRETE CHIPS
PA 2 - Crushing/Milling	1A-005(TCLP) - TRANSITE 1A-008 - CONCRETE CHIPS 1A-010A - STEEL COATINGS	1A-008 - CONCRETE CHIPS
PA 3 - Enriched Materials Reclaimation	1A-011A - STEEL COATINGS	_____
PA 4 - Drum Washing	1A-015A - STEEL COATINGS	_____
PA 5 - Solvent Reclaimation	1A-018 - CONCRETE CORE 1A-019 - CONCRETE CORE 1A-020 - CONCRETE CORE 1A-021(DUP) - CONCRETE CORE 1A-023 - STEEL COATINGS	1A-018 - CONCRETE CORE 1A-019 - CONCRETE CORE 1A-020 - CONCRETE CORE 1A-021(DUP) - CONCRETE CORE
PA 6 - Waste Water Handling	1A-024 - CONCRETE CORE 1A-025 - CONCRETE CORE 1A-026 - CONCRETE CORE 1A-027A - STEEL COATINGS 1A-028 - UNKNOWN LIQUID	1A-024 - CONCRETE CORE 1A-025 - CONCRETE CORE 1A-026 - CONCRETE CORE 1A-028 - UNKNOWN LIQUID
PA 7 - Repackaging	1A-031 - CONCRETE CHIPS 1A-032 - STEEL COATINGS	1A-031 - CONCRETE CHIPS

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 1B - Plant 1 Storage Shelter		
PA 1 - Covered Storage	_____	_____
Component 1C - Plant 1 Ore Silos		
PA 1 - Milled Ore Storage	_____	_____
Component 2A - Ore Refinery Plant		
PA 1 - Digestion	2A-003 - CONCRETE CORE	2A-003 - CONCRETE CORE
	2A-004 - CONCRETE CORE	2A-004 - CONCRETE CORE
	2A-005 - CONCRETE CORE	2A-005 - CONCRETE CORE
	2A-006 - STEEL COATINGS	2A-006R - STEEL COATINGS
	2A-007(DUP) - STEEL COATINGS	2A-007R(DUP) - STEEL COATINGS
	2A-010 - ACID BRICK	2A-010A - ACID BRICK
	2A-012 - UNKNOWN LIQUID	2A-012 - UNKNOWN LIQUID
	2A-014(TCLP) - TRANSITE	2A-015 - ACID BRICK
	2A-015 - ACID BRICK	2A-015(TCLP) - ACID BRICK
	2A-015(TCLP) - ACID BRICK	2A-016(DUP)(TCLP) - ACID BRICK
	2A-016(DUP) - ACID BRICK	2A-018 - CONCRETE CHIPS
	2A-018(TCLP) - CONCRETE CHIPS	2A-018(TCLP) - CONCRETE CHIPS
	2A-019(DUP)(TCLP) - CONCRETE CHIPS	2A-019(DUP)(TCLP) - CONCRETE CHIPS
PA 2 - Drum Digestion	2A-022 - CONCRETE CORE	2A-022 - CONCRETE CORE
	2A-023 - CONCRETE CORE	2A-023 - CONCRETE CORE
	2A-024 - CONCRETE CORE	2A-024 - CONCRETE CORE
	2A-025(DUP) - CONCRETE CORE	2A-025(DUP) - CONCRETE CORE
PA 3 - Extraction	2A-028 - CONCRETE CORE	2A-028 - CONCRETE CORE
	2A-029 - CONCRETE CORE	2A-029 - CONCRETE CORE
	2A-030 - CONCRETE CORE	2A-030 - CONCRETE CORE
	2A-031 - ACID BRICK	2A-031R - ACID BRICK
	2A-033 - STEEL COATINGS	2A-033R - STEEL COATINGS
	2A-035 - UNKNOWN LIQUID	2A-035 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 2A - Ore Refinery Plant		
PA 4 - Denitration	2A-038 - CONCRETE CORE	2A-038 - CONCRETE CORE
	2A-039 - CONCRETE CORE	2A-039 - CONCRETE CORE
	2A-040 - CONCRETE CORE	2A-040 - CONCRETE CORE
	2A-042 - ACID BRICK	2A-042R - ACID BRICK
	2A-044 - STEEL COATINGS	2A-044R - STEEL COATINGS
	2A-046 - LOOSE MEDIA	2A-046 - LOOSE MEDIA
	2A-048 - UNKNOWN LIQUID	2A-048 - UNKNOWN LIQUID
	2A-049(DUP) - UNKNOWN LIQUID	2A-049(DUP) - UNKNOWN LIQUID
PA 5 - Enriched Calcining	2A-052 - STEEL COATINGS	2A-052R - STEEL COATINGS
Component 2B - General/Refinery Sump Control Bldg.		
PA 1 - Storage	2B-003 - CONCRETE CHIPS	2B-003 - CONCRETE CHIPS
	2B-004 - STEEL COATINGS	2B-005 - UNKNOWN LIQUID
	2B-005 - UNKNOWN LIQUID	
	2B-009 - LOOSE MEDIA	
Component 2C - Bulk Lime Handling Building		
PA 1 - Bulk Lime Handling	2C-003 - CONCRETE CORE	2C-003 - CONCRETE CORE
	2C-004 - CONCRETE CORE	2C-004 - CONCRETE CORE
	2C-005 - CONCRETE CORE	2C-005 - CONCRETE CORE
	2C-006 - STEEL COATINGS	2C-007 - UNKNOWN LIQUID
	2C-007 - UNKNOWN LIQUID	2C-009 - SEDIMENT
	2C-009 - SEDIMENT	
Component 2D - Metal Dissolver Building		
PA 1 - Metal Dissolution	2D-003 - CONCRETE CORE	2D-003 - CONCRETE CORE
	2D-004 - CONCRETE CORE	2D-004 - CONCRETE CORE
	2D-007 - ACID BRICK	2D-005 - CONCRETE CORE
		2D-007 - ACID BRICK

Long dash (_____) indicates no sample taken from this process area.

220000

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 2D - Metal Dissolver Building		
PA 2 - West Metal Dissolution	2D-009 - CONCRETE CORE	2D-009 - CONCRETE CORE
	2D-010 - CONCRETE CORE	2D-010 - CONCRETE CORE
	2D-012 - ACID BRICK	2D-011 - CONCRETE CORE
	2D-016 - UNKNOWN LIQUID	2D-012 - ACID BRICK
		2D-016 - UNKNOWN LIQUID
PA 3 - Charcoal Treatment	2D-019 - CONCRETE CORE	2D-019 - CONCRETE CORE
	2D-020 - CONCRETE CORE	2D-020 - CONCRETE CORE
	2D-023 - LOOSE MEDIA	2D-021 - CONCRETE CORE
		2D-023 - LOOSE MEDIA
Component 2E - NFS Storage & Pump House		
PA 1 - NFS Storage	2E-003A - CONCRETE CORE	2E-003 - CONCRETE CORE
	2E-004A - CONCRETE CORE	2E-004 - CONCRETE CORE
	2E-007 - MASONRY CHIPS	2E-005 - CONCRETE CORE
		2E-007 - MASONRY CHIPS
Component 2F - Cold Side Ore Conveyor		
PA 1 - Cold Ore Conveyor	2F-002 - CONCRETE CHIPS	2F-002 - CONCRETE CHIPS
	2F-004A - STEEL COATINGS	
Component 2G - Hot Side Ore Conveyor		
PA 1 - Hot Ore Conveyor	2G-003 - CONCRETE CHIPS	2G-003 - CONCRETE CHIPS
	2G-005 - STEEL COATINGS	
Component 2H - Conveyor Tunnel (From Plant 1)		
PA 1 - Ore Conveyor	2H-003 - CONCRETE CHIPS	2H-003 - CONCRETE CHIPS
	2H-004A - STEEL COATINGS	2H-007 - UNKNOWN LIQUID
	2H-005A(DUP) - STEEL COATINGS	2H-009 - LOOSE MEDIA
	2H-007 - UNKNOWN LIQUID	2H-012 - SEDIMENT
	2H-009 - LOOSE MEDIA	
	2H-012 - SEDIMENT	

000023

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 3A - Maintenance Building		
PA 1 - Maintenance	3A-003 - CONCRETE CORE	3A-003R - CONCRETE CORE
	3A-004 - CONCRETE CORE	3A-004R - CONCRETE CORE
	3A-005 - CONCRETE CORE	3A-005R - CONCRETE CORE
	3A-007 - STEEL COATINGS	3A-009R - MASONRY CHIPS
	3A-009 - MASONRY CHIPS	
Component 3B - Ozone Building		
PA 1 - Acid Bleaching	3B-003 - CONCRETE CORE	3B-003 - CONCRETE CORE
	3B-004 - CONCRETE CORE	3B-004 - CONCRETE CORE
	3B-005 - CONCRETE CORE	3B-005 - CONCRETE CORE
	3B-007A - STEEL COATINGS	3B-007 - STEEL COATINGS
Component 3C - NAR Control House		
PA 1 - NAR Control	3C-003 - CONCRETE CHIPS	3C-003 - CONCRETE CHIPS
	3C-005A - STEEL COATINGS	3C-005 - STEEL COATINGS
Component 3D - NAR Towers		
PA 1 - Nitric Acid Recovery	3D-002 - CONCRETE CORE	3D-002 - CONCRETE CORE
	3D-003 - CONCRETE CORE	3D-003 - CONCRETE CORE
	3D-004 - CONCRETE CORE	3D-004 - CONCRETE CORE
	3D-005A - STEEL COATINGS	3D-005 - STEEL COATINGS
	3D-006 - UNKNOWN LIQUID	3D-006 - UNKNOWN LIQUID
Component 3E - Hot Raffinate Building		
PA 1 - Filtering	3E-003 - CONCRETE CORE	3E-003 - CONCRETE CORE
	3E-004 - CONCRETE CORE	3E-004 - CONCRETE CORE
	3E-005 - CONCRETE CORE	3E-005 - CONCRETE CORE
	3E-006 - ACID BRICK	3E-006 - ACID BRICK
	3E-007 - STEEL COATINGS	3E-007 - STEEL COATINGS
	3E-008 - UNKNOWN LIQUID	3E-008 - UNKNOWN LIQUID
	3E-010 - UNKNOWN LIQUID	3E-010 - UNKNOWN LIQUID
	3E-012 - CONCRETE CORE	3E-012 - CONCRETE CORE
	3E-013 - CONCRETE CORE	3E-013 - CONCRETE CORE
	3E-014 - CONCRETE CORE	3E-014 - CONCRETE CORE
	3E-015(TCLP) - TRANSITE	

000024

 Long dash (_____) indicates no sample taken from this process area.

7173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 3F - Harshaw Digestion Fume Recovery		
PA 1 - Harshaw Fume Recovery	3F-002 - CONCRETE CORE	3F-002 - CONCRETE CORE
	3F-003 - CONCRETE CORE	3F-003 - CONCRETE CORE
	3F-004 - CONCRETE CORE	3F-004 - CONCRETE CORE
	3F-005 - ACID BRICK	3F-005 - ACID BRICK
	3F-007A - STEEL COATINGS	3F-007 - STEEL COATINGS
	3F-008 - UNKNOWN LIQUID	3F-008 - UNKNOWN LIQUID
	3F-011(DUP) - UNKNOWN LIQUID	3F-011(DUP) - UNKNOWN LIQUID
Component 3G - Refrigeration Building		
PA 1 - Refrigeration	3G-003 - CONCRETE CORE	3G-003 - CONCRETE CORE
	3G-004 - CONCRETE CORE	3G-004 - CONCRETE CORE
	3G-005 - CONCRETE CORE	3G-005 - CONCRETE CORE
	3G-007A - STEEL COATINGS	
Component 3H - Refinery Sump		
PA 1 - Wastewater Treatment	3H-002 - CONCRETE CORE	3H-002 - CONCRETE CORE
	3H-003 - CONCRETE CORE	3H-003 - CONCRETE CORE
	3H-004 - CONCRETE CORE	3H-004 - CONCRETE CORE
	3H-005 - ACID BRICK	3H-005 - ACID BRICK
	3H-006 - STEEL COATINGS	3H-007 - LOOSE MEDIA
	3H-007 - LOOSE MEDIA	
Component 3J - Combined Raffinate Tanks		
PA 1 - Combined Raffinate	3J-002 - CONCRETE CORE	3J-002 - CONCRETE CORE
	3J-002A - CONCRETE CORE	3J-002A - CONCRETE CORE
	3J-003 - CONCRETE CORE	3J-003 - CONCRETE CORE
	3J-003A - CONCRETE CORE	3J-003A - CONCRETE CORE
	3J-004 - CONCRETE CORE	3J-004 - CONCRETE CORE
	3J-004A - CONCRETE CORE	3J-004A - CONCRETE CORE
	3J-005 - ACID BRICK	3J-005 - ACID BRICK
	3J-005A - ACID BRICK	3J-005A - ACID BRICK
	3J-006 - STEEL COATINGS	3J-007 - UNKNOWN LIQUID
	3J-007 - UNKNOWN LIQUID	

000025

 Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 3K - Old Cooling Water Tower		
PA 1 - Process Water Cooling	3K-003 - CONCRETE CORE	3K-003 - CONCRETE CORE
	3K-004 - CONCRETE CORE	3K-004 - CONCRETE CORE
	3K-005 - CONCRETE CORE	3K-005 - CONCRETE CORE
	3K-007 - UNKNOWN LIQUID	3K-007 - UNKNOWN LIQUID
Component 3L - Electrical Power Center Building		
PA 1 - Electrical Distribution	3L-004 - CONCRETE CHIPS	3L-004 - CONCRETE CHIPS
	3L-005(DUP) - CONCRETE CHIPS	3L-005(DUP) - CONCRETE CHIPS
	3L-007 - MASONRY CHIPS	3L-007 - MASONRY CHIPS
	3L-008 - STEEL COATINGS	3L-008A - STEEL COATINGS
Component 4A - Green Salt Plant		
PA 1 - Hydrofluorination	4A-003 - CONCRETE CHIPS	4A-003A - CONCRETE CHIPS
	4A-004(DUP) - CONCRETE CHIPS	4A-004A(DUP) - CONCRETE CHIPS
	4A-007 - STEEL COATINGS	4A-007A - STEEL COATINGS
	4A-009 - UNKNOWN LIQUID	4A-009 - UNKNOWN LIQUID
	4A-011 - LOOSE MEDIA	4A-011 - LOOSE MEDIA
	4A-012(TCLP) - TRANSITE	
	4A-013(DUP)(TCLP) - TRANSITE	
PA 2 - Ammonia Dissociation and Nitrogen Generation	4A-017 - CONCRETE CORE	4A-017A - CONCRETE CORE
	4A-018 - CONCRETE CORE	4A-018A - CONCRETE CORE
	4A-019 - CONCRETE CORE	4A-019A - CONCRETE CORE
	4A-020(DUP) - CONCRETE CORE	4A-020A(DUP) - CONCRETE CORE
	4A-023 - STEEL COATINGS	4A-023A - STEEL COATINGS
	4A-025(DUP) - STEEL COATINGS	4A-025A(DUP) - STEEL COATINGS
PA 3 - Hydrofluoric Acid Recovery	4A-028 - CONCRETE CORE	4A-028A - CONCRETE CORE
	4A-029 - CONCRETE CORE	4A-029A - CONCRETE CORE
	4A-030 - CONCRETE CORE	4A-030A - CONCRETE CORE
	4A-032 - STEEL COATINGS	4A-032A - STEEL COATINGS
	4A-034 - UNKNOWN LIQUID	4A-034 - UNKNOWN LIQUID
	4A-035 - LOOSE MEDIA	4A-035 - LOOSE MEDIA

Long dash (_____) indicates no sample taken from this process area.

000026

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 4B - Plant 4 Warehouse		
PA 1 - UF4 Storage	_____	_____
Component 4C - Plant 4 Maintenance Building		
PA 1 - Maintenance	4C-003 - CONCRETE CHIPS 4C-005A - STEEL COATINGS	4C-003 - CONCRETE CHIPS
Component 5A - Metals Production Plant		
PA 1 - Reduction	5A-003A - CONCRETE CHIPS 5A-004A - STEEL COATINGS 5A-005 - LOOSE MEDIA 5A-007(TCLP) - TRANSITE 5A-021A - STEEL COATINGS	5A-003 - CONCRETE CHIPS 5A-005 - LOOSE MEDIA
PA 2 - Casting (Remelt)	5A-009 - CONCRETE CHIPS 5A-010(DUP) - CONCRETE CHIPS 5A-012A - STEEL COATINGS 5A-013 - LOOSE MEDIA 5A-015 - LOOSE MEDIA	5A-009 - CONCRETE CHIPS 5A-010(DUP) - CONCRETE CHIPS 5A-012 - STEEL COATINGS 5A-013 - LOOSE MEDIA 5A-015 - LOOSE MEDIA
PA 3 - Ingot Cropping	5A-017 - CONCRETE CORE 5A-018 - CONCRETE CORE 5A-019 - CONCRETE CORE	5A-017 - CONCRETE CORE 5A-018 - CONCRETE CORE 5A-019 - CONCRETE CORE 5A-021 - STEEL COATINGS
PA 4 - Saw Sharpening	5A-022 - CONCRETE CHIPS 5A-023A - STEEL COATINGS	5A-022 - CONCRETE CHIPS 5A-023 - STEEL COATINGS
PA 5 - Mold Preparation	5A-025 - CONCRETE CHIPS 5A-026A - STEEL COATINGS 5A-027(TCLP) - CONCRETE CHIPS	5A-025 - CONCRETE CHIPS 5A-026 - STEEL COATINGS 5A-027 - CONCRETE CHIPS 5A-027(TCLP) - CONCRETE CHIPS

220000

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 5A - Metals Production Plant		
PA 6 - Graphite Machining	5A-029 - CONCRETE CHIPS 5A-030A - STEEL COATINGS	5A-029 - CONCRETE CHIPS 5A-030 - STEEL COATINGS
PA 7 - Hilco Oil Reclaimer	5A-034 - CONCRETE CORE 5A-035 - CONCRETE CORE 5A-036 - CONCRETE CORE 5A-043A - STEEL COATINGS	5A-034 - CONCRETE CORE 5A-035 - CONCRETE CORE 5A-036 - CONCRETE CORE
PA 8 - South Staging (and Storage)	5A-038 - CONCRETE CHIPS 5A-039A - STEEL COATINGS	5A-038 - CONCRETE CHIPS 5A-039 - STEEL COATINGS
PA 9 - North Staging (and Storage)	5A-041 - CONCRETE CHIPS	5A-041 - CONCRETE CHIPS 5A-043 - STEEL COATINGS
PA 10 - Water Treatment	5A-044 - CONCRETE CORE 5A-045 - CONCRETE CORE 5A-046 - CONCRETE CORE 5A-047A - STEEL COATINGS 5A-048 - LOOSE MEDIA 5A-049(DUP) - LOOSE MEDIA	5A-044 - CONCRETE CORE 5A-045 - CONCRETE CORE 5A-046 - CONCRETE CORE 5A-047 - STEEL COATINGS 5A-048 - LOOSE MEDIA 5A-049(DUP) - LOOSE MEDIA
PA 11 - Plasma Spraying	5A-052 - CONCRETE CHIPS 5A-053 - STEEL COATINGS	5A-052 - CONCRETE CHIPS 5A-053 - STEEL COATINGS 5A-057 - STEEL COATINGS
PA 12 - Maintenance	5A-055 - CONCRETE CHIPS	5A-055 - CONCRETE CHIPS

Long dash (_____) indicates no sample taken from this process area.

0000028

2123

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 5B - Plant 5 Ingot Pickling		
PA 1 - Storage	5B-002 - CONCRETE CHIPS	5B-002 - CONCRETE CHIPS
	5B-003(DUP) - CONCRETE CHIPS	5B-003(DUP) - CONCRETE CHIPS
Component 5C - Plant 5 Electrical Substation		
PA 1 - Electrical Distribution	5C-003 - CONCRETE CHIPS	5C-003 - CONCRETE CHIPS
	5C-004 - STEEL COATINGS	5C-004 - STEEL COATINGS
Component 5D - West Derby Breakout/ Slag Mill		
PA 1 - Storage	_____	_____
Component 5E - Plant 5 Filter Building		
PA 1 - Filter Building	5E-001 - CONCRETE CHIPS	5E-001 - CONCRETE CHIPS
Component 5F - Plant 5 Covered Storage Pad		
PA 1 - Storage	_____	_____
Component 5G - Plant 5 Ingot Storage Shelter		
PA 1 - Ingot Storage	5G-002 - CONCRETE CHIPS	5G-002 - CONCRETE CHIPS
	5G-003(DUP) - CONCRETE CHIPS	5G-003(DUP) - CONCRETE CHIPS
	5G-006 - STEEL COATINGS	
Component 6A - Metals Fabrication Plant		
PA 1 - Rolling Mill	6A-003 - CONCRETE CHIPS	6A-003 - CONCRETE CHIPS
	6A-005 - STEEL COATINGS	6A-005 - STEEL COATINGS
	6A-006 - UNKNOWN LIQUID	6A-006 - UNKNOWN LIQUID
	6A-007(DUP) - UNKNOWN LIQUID	6A-007(DUP) - UNKNOWN LIQUID
	6A-009 - CONCRETE CORE	6A-009 - CONCRETE CORE
	6A-010 - CONCRETE CORE	6A-010 - CONCRETE CORE
	6A-011 - CONCRETE CORE	6A-011 - CONCRETE CORE
	6A-012 - LOOSE MEDIA	6A-012 - LOOSE MEDIA
	6A-015(TCLP) - TRANSITE	

Long dash (_____) indicates no sample taken from this process area.

0000029

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 6A - Metals Fabrication Plant		
PA 2 - Machining	6A-017 - CONCRETE CHIPS	6A-017 - CONCRETE CHIPS
	6A-018 - STEEL COATINGS	6A-018 - STEEL COATINGS
	6A-019 - UNKNOWN LIQUID	6A-019 - UNKNOWN LIQUID
PA 3 - Chip Briquetting	6A-022 - CONCRETE CHIPS	6A-022 - CONCRETE CHIPS
	6A-024 - STEEL COATINGS	6A-024 - STEEL COATINGS
PA 4 - Heat Treating	6A-025A - CONCRETE CHIPS	6A-025 - CONCRETE CHIPS
	6A-027 - STEEL COATINGS	6A-027 - STEEL COATINGS
PA 5 - Vacuum Outgas Furnace	6A-028 - CONCRETE CHIPS	6A-028 - CONCRETE CHIPS
	6A-029 - STEEL COATINGS	6A-029 - STEEL COATINGS
PA 6 - Old Water Treatment	6A-031A - CONCRETE CORE	6A-031 - CONCRETE CORE
	6A-032A - CONCRETE CORE	6A-032 - CONCRETE CORE
	6A-033A - CONCRETE CORE	6A-033 - CONCRETE CORE
	6A-035 - STEEL COATINGS	6A-035 - STEEL COATINGS
PA 7 - Pickling	6A-036A - CONCRETE CORE	6A-036 - CONCRETE CORE
	6A-037A - CONCRETE CORE	6A-037 - CONCRETE CORE
	6A-038A - CONCRETE CORE	6A-038 - CONCRETE CORE
	6A-040 - STEEL COATINGS	6A-040 - STEEL COATINGS
Component 6B - Plant 6 Covered Storage Area		
PA 1 - Storage	6B-002 - CONCRETE CHIPS	6B-002 - CONCRETE CHIPS
	6B-003 - STEEL COATINGS	6B-004 - UNKNOWN LIQUID
	6B-004 - UNKNOWN LIQUID	

Long dash (_____) indicates no sample taken from this process area.

000030

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 6C - Plant 6 Electrostatic Precipitator (South)		
PA 1 - Electrostatic Precipitator	6C-003 - CONCRETE CORE	6C-003 - CONCRETE CORE
	6C-004 - CONCRETE CORE	6C-004 - CONCRETE CORE
	6C-005 - CONCRETE CORE	6C-005 - CONCRETE CORE
Component 6D - Plant 6 Electrostatic Precipitator (Central)		
PA 1 - Electrostatic Precipitator	6D-002 - CONCRETE CHIPS	6D-002 - CONCRETE CHIPS
	6D-003 - LOOSE MEDIA	6D-003 - LOOSE MEDIA
Component 6E - Plant 6 Electrostatic Precipitator (North)		
PA 1 - Electrostatic Precipitator	_____	_____
Component 6F - Plant 6 Salt Oil Heat Treat Building		
PA 1 - Salt Oil Treating	6F-003 - CONCRETE CORE	6F-003 - CONCRETE CORE
	6F-004 - CONCRETE CORE	6F-004 - CONCRETE CORE
	6F-005 - CONCRETE CORE	6F-005 - CONCRETE CORE
	6F-006(DUP) - CONCRETE CORE	6F-006(DUP) - CONCRETE CORE
	6F-008 - STEEL COATINGS	6F-009 - MASONRY CHIPS
	6F-009 - MASONRY CHIPS	6F-010 - UNKNOWN LIQUID
	6F-010 - UNKNOWN LIQUID	
Component 6G - Plant 6 Sump Building		
PA 1 - Water Treatment	_____	_____
Component 7A - Plant 7		
PA 1 - UF6 to UF4 Process	_____	_____
PA 2 - Storage	_____	_____
PA 3 - Nitrogen Generator	_____	_____

EC00034

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 7A - Plant 7		
PA 4 - HF Recovery Systems	_____	_____
Component 7B - Plant 7 Overhead Crane		
PA 1 - Overhead Crane	_____	_____
Component 8A - Recovery Plant		
PA 1 - Oxidation Furnace #2	8A-003 - CONCRETE CHIPS	8A-003A - CONCRETE CHIPS
	8A-005 - STEEL COATINGS	8A-005A - STEEL COATINGS
	8A-007 - LOOSE MEDIA	
	8A-009(TCLP) - TRANSITE	
PA 2 - Oxidation Furnace #1	8A-012 - CONCRETE CHIPS	8A-012A - CONCRETE CHIPS
	8A-014 - STEEL COATINGS	8A-014A - STEEL COATINGS
PA 3 - Graphite Furnace	8A-020 - STEEL COATINGS	8A-020A - STEEL COATINGS
PA 4 - Muffle Furnace	8A-022 - CONCRETE CHIPS	8A-022A - CONCRETE CHIPS
	8A-023(DUP) - CONCRETE CHIPS	8A-023A(DUP) - CONCRETE CHIPS
	8A-026 - STEEL COATINGS	8A-026A - STEEL COATINGS
PA 5 - Box Furnace	8A-028 - CONCRETE CHIPS	8A-028A - CONCRETE CHIPS
	8A-030 - STEEL COATINGS	8A-030A - STEEL COATINGS
	8A-032 - UNKNOWN LIQUID	8A-032 - UNKNOWN LIQUID
	8A-034 - SEDIMENT	8A-034 - SEDIMENT
PA 6 - Greensalt & ThF4 Reversion	8A-036 - CONCRETE CHIPS	8A-036A - CONCRETE CHIPS
	8A-038 - STEEL COATINGS	8A-038A - STEEL COATINGS

Long dash (_____) indicates no sample taken from this process area.

000032

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 8A - Recovery Plant		
PA 7 - Old Rotary Kiln	8A-040 - CONCRETE CHIPS	8A-040A - CONCRETE CHIPS
	8A-042 - STEEL COATINGS	8A-042A - STEEL COATINGS
	8A-044 - LOOSE MEDIA	8A-044A - LOOSE MEDIA
PA 8 - Ball Mill	8A-049 - CONCRETE CHIPS	8A-049A - CONCRETE CHIPS
	8A-051 - STEEL COATINGS	8A-051A - STEEL COATINGS
PA 9 - Primary Calciner	8A-053 - CONCRETE CHIPS	8A-053A - CONCRETE CHIPS
	8A-055 - STEEL COATINGS	8A-055A - STEEL COATINGS
PA 10 - Rotex Screening	8A-062 - CONCRETE CHIPS	8A-062A - CONCRETE CHIPS
	8A-064 - STEEL COATINGS	8A-064A - STEEL COATINGS
PA 11 - Williams Crushing Hammer Mill	8A-066 - CONCRETE CHIPS	8A-066A - CONCRETE CHIPS
	8A-068 - STEEL COATINGS	8A-068A - STEEL COATINGS
	8A-069(DUP) - STEEL COATINGS	8A-069A(DUP) - STEEL COATINGS
PA 12 - Oil Centrifuge	8A-072 - CONCRETE CORE	8A-072 - CONCRETE CORE
	8A-073 - CONCRETE CORE	8A-073 - CONCRETE CORE
	8A-074 - CONCRETE CORE	8A-074 - CONCRETE CORE
	8A-075(DUP) - CONCRETE CORE	8A-075(DUP) - CONCRETE CORE
	8A-078 - STEEL COATINGS	8A-078A - STEEL COATINGS
PA 13 - Hydrometallurgical System, WINLO, & Water Treatmen	8A-080 - CONCRETE CORE	8A-080 - CONCRETE CORE
	8A-081 - CONCRETE CORE	8A-081 - CONCRETE CORE
	8A-082 - CONCRETE CORE	8A-082 - CONCRETE CORE
	8A-084 - MASONRY CHIPS	8A-084A - MASONRY CHIPS
	8A-086 - STEEL COATINGS	8A-086 - STEEL COATINGS
	8A-088 - LOOSE MEDIA	8A-088 - LOOSE MEDIA
	8A-090 - UNKNOWN LIQUID	8A-090 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

000053

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 8A - Recovery Plant		
PA 14 - UAP Furnace	8A-092 - CONCRETE CHIPS	8A-092A - CONCRETE CHIPS
	8A-094 - STEEL COATINGS	8A-094A - STEEL COATINGS
PA 15 - Thorium Storage Silo	_____	_____
PA 16 - Bulk Storage Tanks	8A-096 - CONCRETE CORE	8A-096 - CONCRETE CORE
	8A-097 - CONCRETE CORE	8A-097 - CONCRETE CORE
	8A-098 - CONCRETE CORE	8A-098 - CONCRETE CORE
	8A-100 - STEEL COATINGS	8A-100A - STEEL COATINGS
	8A-101 - LOOSE MEDIA	8A-101A - LOOSE MEDIA
Component 8B - Plant 8 Maintenance Building		
PA 1 - Maintenance	8B-003 - CONCRETE CHIPS	8B-003 - CONCRETE CHIPS
	8B-004 - MASONRY CHIPS	8B-004 - MASONRY CHIPS
	8B-006 - MASONRY CHIPS	8B-006 - MASONRY CHIPS
	8B-007(DUP) - MASONRY CHIPS	8B-007(DUP) - MASONRY CHIPS
Component 8C - Rotary Kiln/Drum Reconditioning		
PA 1 - Rotary Kiln	8C-003 - CONCRETE CHIPS	8C-003 - CONCRETE CHIPS
PA 2 - Drum Reconditioning	8C-005 - CONCRETE CHIPS	8C-005 - CONCRETE CHIPS
Component 8D - Plant 8 Railroad Filter Building		
PA 1 - Wastewater Collection	_____	_____
Component 8E - Drum Conveyor Shelter		
PA 1 - Shelter	_____	_____
Component 8F - Plant 8 Old Drum Washer		
PA 1 - Drum Washer	8F-002 - STEEL COATINGS	_____

Long dash (_____) indicates no sample taken from this process area.

000034

2125

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 9A - Special Products Plant		
PA 1 - Uranium Reduction and Derby Cleaning	9A-003 - CONCRETE CORE	9A-003 - CONCRETE CORE
	9A-004 - CONCRETE CORE	9A-004 - CONCRETE CORE
	9A-005 - CONCRETE CORE	9A-005 - CONCRETE CORE
	9A-006A - STEEL COATINGS	9A-006 - STEEL COATINGS
	9A-007 - LOOSE MEDIA	9A-007 - LOOSE MEDIA
	9A-042A - STEEL COATINGS	
	9A-047A - STEEL COATINGS	
PA 2 - Enriched Uranium Casting	9A-010 - CONCRETE CHIPS	9A-010 - CONCRETE CHIPS
	9A-011A - STEEL COATINGS	9A-011 - STEEL COATINGS
	9A-012 - LOOSE MEDIA	9A-012 - LOOSE MEDIA
PA 3 - Zirnlo Decladding	9A-015A - CONCRETE CORE	9A-015 - CONCRETE CORE
	9A-016A - CONCRETE CORE	9A-016 - CONCRETE CORE
	9A-017A - CONCRETE CORE	9A-017 - CONCRETE CORE
	9A-018A - ACID BRICK	9A-018 - ACID BRICK
	9A-019A - STEEL COATINGS	9A-019 - STEEL COATINGS
	9A-020 - UNKNOWN LIQUID	9A-020 - UNKNOWN LIQUID
	9A-022 - LOOSE MEDIA	9A-022 - LOOSE MEDIA
PA 4 - Uranium Machining	9A-024 - CONCRETE CHIPS	9A-024 - CONCRETE CHIPS
	9A-025A - STEEL COATINGS	9A-025 - STEEL COATINGS
	9A-026 - UNKNOWN LIQUID	9A-026 - UNKNOWN LIQUID
	9A-028(TCLP) - TRANSITE	9A-049 - CONCRETE CHIPS
	9A-048 - CONCRETE CHIPS	9A-051 - CONCRETE CHIPS
	9A-048(TCLP) - CONCRETE CHIPS	
	9A-049 - CONCRETE CHIPS	
	9A-051 - CONCRETE CHIPS	

Long dash (_____) indicates no sample taken from this process area.

000035

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 9A - Special Products Plant		
PA 5 - Triple Beta Heat Treating	9A-030 - CONCRETE CORE	9A-030 - CONCRETE CORE
	9A-031 - CONCRETE CORE	9A-031 - CONCRETE CORE
	9A-032 - CONCRETE CORE	9A-032 - CONCRETE CORE
	9A-033 - ACID BRICK	9A-033 - ACID BRICK
	9A-035A - STEEL COATINGS	9A-035 - STEEL COATINGS
PA 6 - Scrap Metal Pickling	9A-037 - CONCRETE CORE	9A-037 - CONCRETE CORE
	9A-038 - CONCRETE CORE	9A-038 - CONCRETE CORE
	9A-039 - CONCRETE CORE	9A-039 - CONCRETE CORE
	9A-041 - ACID BRICK	9A-041 - ACID BRICK
		9A-042 - STEEL COATINGS
PA 7 - Briquetting	9A-043 - CONCRETE CORE	9A-043 - CONCRETE CORE
	9A-044 - CONCRETE CORE	9A-044 - CONCRETE CORE
	9A-045 - CONCRETE CORE	9A-045 - CONCRETE CORE
		9A-047 - STEEL COATINGS
PA 8 - Internal and External Remelt Furnaces	_____	_____
PA 9 - Thorium Metal	_____	_____
Component 9B - Plant 9 Sump Treatment Facility		
PA 1 - Sump Treatment	9B-003A - CONCRETE CORE	9B-003 - CONCRETE CORE
	9B-004A - CONCRETE CORE	9B-004 - CONCRETE CORE
	9B-005A - CONCRETE CORE	9B-005 - CONCRETE CORE
	9B-007 - STEEL COATINGS	9B-007 - STEEL COATINGS
	9B-008A - MASONRY CHIPS	9B-008 - MASONRY CHIPS

Long dash (_____) indicates no sample taken from this process area.

0000056

F 2173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 9C - Plant 9 Dust Collector		
PA 1 - Dust Collector	9C-003 - CONCRETE CHIPS 9C-005 - STEEL COATINGS	9C-003 - CONCRETE CHIPS
Component 9D - Plant 9 Substation		
PA 1 - Electrical Substation	9D-003 - CONCRETE CHIPS 9D-005A - STEEL COATINGS	9D-003 - CONCRETE CHIPS
Component 9E - Plant 9 Cylinder Shed		
PA 1 - Storage	9E-002 - CONCRETE CHIPS 9E-004 - STEEL COATINGS	9E-002 - CONCRETE CHIPS
Component 9F - Electrostatic Precipitator		
PA 1 - Electrostatic Precipitator	9F-003 - CONCRETE CORE 9F-004 - CONCRETE CORE 9F-005 - CONCRETE CORE	9F-003 - CONCRETE CORE 9F-004 - CONCRETE CORE 9F-005 - CONCRETE CORE
Component 10A - Boiler Plant		
PA 1 - Steam Production	10A-001 - CONCRETE CHIPS 10A-002 - CONCRETE CHIPS	10A-001 - CONCRETE CHIPS 10A-002 - CONCRETE CHIPS
Component 10B - Boiler Plant Maintenance Bldg.		
PA 1 - Maintenance	10B-004 - CONCRETE CORE 10B-005 - CONCRETE CORE 10B-006 - CONCRETE CORE 10B-007(DUP) - CONCRETE CORE 10B-009 - STEEL COATINGS	10B-004 - CONCRETE CORE 10B-005 - CONCRETE CORE 10B-006 - CONCRETE CORE 10B-007(DUP) - CONCRETE CORE
Component 10C - Wet Salt Storage Bin		
PA 1 - Wet Salt Storage	_____	_____
Component 10D - Cont. Oil/Graphite Burn Pad		
PA 1 - Pad	10D-001 - CONCRETE CORE 10D-002 - CONCRETE CORE 10D-004 - UNKNOWN LIQUID	10D-001 - CONCRETE CORE 10D-002 - CONCRETE CORE 10D-003 - CONCRETE CORE 10D-004 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 10E - Utilities Heavy Equipment Building		
PA 1 - Utilities Heavy Equipment Building	_____	_____
Component 11 - Service Building		
PA 1 - Laundry	11-004A - CONCRETE CORE	11-004 - CONCRETE CORE
	11-005A - CONCRETE CORE	11-005 - CONCRETE CORE
	11-006A - CONCRETE CORE	11-006 - CONCRETE CORE
	11-007A(DUP) - CONCRETE CORE	11-007 - CONCRETE CORE
	11-008 - MASONRY CHIPS	11-008 - MASONRY CHIPS
PA 2 - Maintenance	11-012 - CONCRETE CORE	11-012 - CONCRETE CORE
	11-013 - CONCRETE CORE	11-013 - CONCRETE CORE
	11-014 - CONCRETE CORE	11-014 - CONCRETE CORE
	11-016 - MASONRY CHIPS	11-016 - MASONRY CHIPS
PA 3 - Locker Room (Changing Room)	11-017 - CONCRETE CORE	11-017 - CONCRETE CORE
	11-018 - CONCRETE CORE	11-018 - CONCRETE CORE
	11-019 - CONCRETE CORE	11-019 - CONCRETE CORE
	11-021 - MASONRY CHIPS	11-021 - MASONRY CHIPS
PA 4 - Cafeteria/Kitchen	11-022 - CONCRETE CHIPS	11-022 - CONCRETE CHIPS
	11-024 - MASONRY CHIPS	11-024 - MASONRY CHIPS
PA 5 - Pistol Range	11-026A - CONCRETE CHIPS	11-026 - CONCRETE CHIPS
Component 12A - Main Maintenance Building		
PA 1 - Decontamination and Emergency Generator Rooms	12A-003 - CONCRETE CORE	
	12A-004 - CONCRETE CORE	
	12A-005 - CONCRETE CORE	
	12A-007 - ACID BRICK	
	12A-008(DUP) - ACID BRICK	
	12A-010 - MASONRY CHIPS	
	12A-012 - STEEL COATINGS	
	12A-022 - CONCRETE CORE	
	12A-023 - CONCRETE CORE	
	12A-024 - CONCRETE CORE	
	12A-030 - CONCRETE CORE	

Long dash (_____) indicates no sample taken from this process area.

000038

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
		12A-003 - CONCRETE CORE
	12A-032 - CONCRETE CORE	12A-004 - CONCRETE CORE
	12A-037 - LOOSE MEDIA	12A-005 - CONCRETE CORE
	12A-044 - MASONRY CHIPS	12A-007R - ACID BRICK
		12A-008R(DUP) - ACID BRICK
		12A-010R - MASONRY CHIPS
		12A-012R - STEEL COATINGS
	12A-031 - CONCRETE CORE	
Component 12A - Main Maintenance Building		
PA 2 - Maintenance Stores and Offices	12A-014 - CONCRETE CORE	12A-014R - CONCRETE CORE
	12A-015 - CONCRETE CORE	12A-015R - CONCRETE CORE
	12A-016 - CONCRETE CORE	12A-016R - CONCRETE CORE
	12A-018 - MASONRY CHIPS	12A-018R - MASONRY CHIPS
	12A-020 - STEEL COATINGS	12A-020R - STEEL COATINGS
PA 3 - Electrical and Scale Shops	12A-026 - MASONRY CHIPS	12A-022R - CONCRETE CORE
	12A-028 - STEEL COATINGS	12A-023R - CONCRETE CORE
		12A-024R - CONCRETE CORE
		12A-026R - MASONRY CHIPS
PA 4 - Paint and Carpentry Shops	12A-033 - MASONRY CHIPS	12A-030R - CONCRETE CORE
	12A-035 - STEEL COATINGS	12A-031R - CONCRETE CORE
		12A-032R - CONCRETE CORE
		12A-033R - MASONRY CHIPS
		12A-035R - STEEL COATINGS
		12A-037R - LOOSE MEDIA

000029

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 12A - Main Maintenance Building		
PA 5 - Instrument Shops	12A-040 - CONCRETE CORE	12A-040R - CONCRETE CORE
	12A-041 - CONCRETE CORE	12A-041R - CONCRETE CORE
	12A-042 - CONCRETE CORE	12A-042R - CONCRETE CORE
	12A-046 - STEEL COATINGS	12A-044R - MASONRY CHIPS
		12A-046R - STEEL COATINGS
PA 6 - Machine, Pipe, Millwright & Welding Shops	12A-048 - CONCRETE CORE	12A-048R - CONCRETE CORE
	12A-049 - CONCRETE CORE	12A-049R - CONCRETE CORE
	12A-050 - CONCRETE CORE	12A-050R - CONCRETE CORE
	12A-052 - MASONRY CHIPS	12A-052R - MASONRY CHIPS
	12A-054 - STEEL COATINGS	12A-054R - STEEL COATINGS
Component 12B - Cylinder Storage Building		
PA 1 - Storage	_____	_____
Component 12C - Lumber Storage Building		
PA 1 - Storage	12C-002 - CONCRETE CHIPS	12C-002 - CONCRETE CHIPS
Component 12D - Maintenance Building Warehouse		
PA 1 - Maintenance Building Warehouse	_____	_____
Component 13A - Pilot Plant Wet Side		
PA 1 - Southern Extraction	13A-003 - CONCRETE CORE	13A-003R - CONCRETE CORE
	13A-004 - CONCRETE CORE	13A-004R - CONCRETE CORE
	13A-005 - CONCRETE CORE	13A-005R - CONCRETE CORE
	13A-007 - CONCRETE CORE	13A-007R - CONCRETE CORE
	13A-008 - CONCRETE CORE	13A-008R - CONCRETE CORE
	13A-009 - CONCRETE CORE	13A-009R - CONCRETE CORE
	13A-011 - ACID BRICK	13A-011R - ACID BRICK
	13A-012 - MASONRY CHIPS	13A-012R - MASONRY CHIPS
	13A-013 - STEEL COATINGS	13A-013R - STEEL COATINGS
	13A-015 - UNKNOWN LIQUID	13A-015R - UNKNOWN LIQUID
	13A-016 - UNKNOWN LIQUID	13A-016R - UNKNOWN LIQUID
	13A-017(DUP) - UNKNOWN LIQUID	13A-017R(DUP) - UNKNOWN LIQUID
	13A-020 - LOOSE MEDIA	

Long dash (_____) indicates no sample taken from this process area.

000040

P 2123

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 13A - Pilot Plant Wet Side		
PA 2 - Central	13A-022 - CONCRETE CORE	13A-022R - CONCRETE CORE
	13A-023 - CONCRETE CORE	13A-023R - CONCRETE CORE
	13A-024 - CONCRETE CORE	13A-024R - CONCRETE CORE
	13A-026 - CONCRETE CORE	13A-026R - CONCRETE CORE
	13A-027 - CONCRETE CORE	13A-027R - CONCRETE CORE
	13A-028 - CONCRETE CORE	13A-028R - CONCRETE CORE
	13A-030 - CONCRETE CORE	13A-030R - CONCRETE CORE
	13A-031 - CONCRETE CORE	13A-031R - CONCRETE CORE
	13A-032 - CONCRETE CORE	13A-032R - CONCRETE CORE
	13A-033 - ACID BRICK	13A-033R - ACID BRICK
	13A-035 - MASONRY CHIPS	13A-035R - MASONRY CHIPS
	13A-037 - STEEL COATINGS	13A-037R - STEEL COATINGS
	13A-038(DUP) - STEEL COATINGS	13A-038R(DUP) - STEEL COATINGS
	13A-041 - UNKNOWN LIQUID	13A-041R - UNKNOWN LIQUID
	13A-042(TCLP) - ACID BRICK	13A-042R(TCLP) - ACID BRICK
	13A-044 - CONCRETE CHIPS	13A-044R(TCLP) - CONCRETE CHIPS
	13A-044R(TCLP) - CONCRETE CHIPS	
PA 3 - Northern	13A-046 - CONCRETE CORE	13A-020R - LOOSE MEDIA
	13A-047(DUP) - CONCRETE CORE	13A-046R - CONCRETE CORE
	13A-048 - CONCRETE CORE	13A-047R(DUP) - CONCRETE CORE
	13A-049 - CONCRETE CORE	13A-048R - CONCRETE CORE
	13A-052 - CONCRETE CORE	13A-049R - CONCRETE CORE
	13A-053 - CONCRETE CORE	13A-052R - CONCRETE CORE
	13A-054 - CONCRETE CORE	13A-053R - CONCRETE CORE
	13A-056 - CONCRETE CORE	13A-054R - CONCRETE CORE
	13A-057 - CONCRETE CORE	13A-056R - CONCRETE CORE
	13A-058 - CONCRETE CORE	13A-057R - CONCRETE CORE
	13A-060 - ACID BRICK	13A-058R - CONCRETE CORE
	13A-061(DUP) - ACID BRICK	13A-060R - ACID BRICK
	13A-064 - MASONRY CHIPS	13A-061R(DUP) - ACID BRICK
	13A-066 - STEEL COATINGS	13A-064R - MASONRY CHIPS
	13A-068 - ACID BRICK	13A-066 - STEEL COATINGS
	13A-068R(TCLP) - ACID BRICK	13A-066R - STEEL COATINGS
	13A-069(TCLP) - CONCRETE CHIPS	13A-068R(TCLP) - ACID BRICK
	13A-070(DUP)(TCLP) - CONCRETE CHIPS	13A-069R(TCLP) - CONCRETE CHIPS
	13A-073 - UNKNOWN LIQUID	13A-070R(DUP)(TCLP) - CONCRETE CHIPS
	13A-074 - LOOSE MEDIA	13A-073R - UNKNOWN LIQUID
		13A-074R - LOOSE MEDIA

Long dash (_____) indicates no sample taken from this process area.

E50000

Metals and Radiologicals

	Metals	Radiologicals
Component 13B - Pilot Plant Maintenance Bldg.		
PA 1 - Maintenance	13B-003A - CONCRETE CORE 13B-004A - CONCRETE CORE 13B-005A - CONCRETE CORE 13B-007 - MASONRY CHIPS	13B-003 - CONCRETE CORE 13B-004 - CONCRETE CORE 13B-005 - CONCRETE CORE 13B-007 - MASONRY CHIPS
Component 13C - Sump Pump House		
PA 1 - Sump Pump	13C-003 - CONCRETE CORE 13C-004 - CONCRETE CORE 13C-005 - CONCRETE CORE 13C-007 - MASONRY CHIPS	13C-003 - CONCRETE CORE 13C-004 - CONCRETE CORE 13C-005 - CONCRETE CORE 13C-007 - MASONRY CHIPS
Component 13D - Pilot Plant Thorium Tank Farm		
PA 1 - Tank Storage	13D-002A - CONCRETE CHIPS 13D-003 - UNKNOWN LIQUID	13D-002 - CONCRETE CHIPS 13D-003 - UNKNOWN LIQUID
Component 14A - Administration Building		
PA 1 - Offices	14A-003 - CONCRETE CHIPS 14A-005 - MASONRY CHIPS	14A-003 - CONCRETE CHIPS 14A-005 - MASONRY CHIPS 14A-006 - HVAC FILTER
Component 14B - Building 14 EOC Generator Set		
PA 1 - Electrical Generator	_____	_____
Component 15A - Laboratory		
PA 1 - Western Restricted Access	15A-006A - CONCRETE CORE 15A-007A - CONCRETE CORE 15A-009 - MASONRY CHIPS 15A-010 - UNKNOWN LIQUID 15A-011(DUP) - UNKNOWN LIQUID 15A-013 - SEDIMENT	15A-009 - MASONRY CHIPS 15A-010 - UNKNOWN LIQUID 15A-011(DUP) - UNKNOWN LIQUID 15A-013 - SEDIMENT
PA 2 - Eastern Unrestricted Access	15A-003 - CONCRETE CHIPS 15A-004 - MASONRY CHIPS	15A-003 - CONCRETE CHIPS 15A-004 - MASONRY CHIPS 15A-006 - CONCRETE CORE 15A-007 - CONCRETE CORE 15A-008 - CONCRETE CORE

 Long dash (_____) indicates no sample taken from this process area.

000042

7173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 15A - Laboratory		
PA 3 - Basement	15A-016 - CONCRETE CORE	15A-016 - CONCRETE CORE
	15A-017 - CONCRETE CORE	15A-017 - CONCRETE CORE
	15A-019 - MASONRY CHIPS	15A-018 - CONCRETE CORE
	15A-020 - UNKNOWN LIQUID	15A-019 - MASONRY CHIPS
		15A-020 - UNKNOWN LIQUID
Component 15B - Laboratory Chemical Storage Building		
PA 1 - Laboratory Chemical Storage Building	_____	_____
Component 16A - Main Electrical Station		
PA 1 - Electrical Distribution	16A-002 - CONCRETE CHIPS	16A-002 - CONCRETE CHIPS
	16A-003(DUP) - CONCRETE CHIPS	16A-003(DUP) - CONCRETE CHIPS
Component 16B - Electrical Substation		
PA 1 - Electrical Distribution	16B-004 - CONCRETE CHIPS	16B-004 - CONCRETE CHIPS
	16B-005(DUP) - CONCRETE CHIPS	16B-005(DUP) - CONCRETE CHIPS
	16B-007 - MASONRY CHIPS	16B-007 - MASONRY CHIPS
Component 16C - Electrical Panels & Transformer		
PA 1 - Electrical Distribution	16C-002 - CONCRETE CHIPS	16C-002 - CONCRETE CHIPS
	16C-003 - LOOSE MEDIA	16C-003 - LOOSE MEDIA
	16C-004 - WOOD	16C-004 - WOOD
Component 16D - Main Electrical Switch House		
PA 1 - Electrical Distribution	16D-003 - CONCRETE CHIPS	16D-003 - CONCRETE CHIPS
	16D-004 - MASONRY CHIPS	16D-004 - MASONRY CHIPS
Component 16E - Main Electrical Transformers		
PA 1 - Electrical Distribution	16E-002 - CONCRETE CHIPS	16E-002 - CONCRETE CHIPS
Component 16F - Trailer Substation #1		
PA 1 - Electrical Distribution	16F-002 - CONCRETE CHIPS	16F-002 - CONCRETE CHIPS

000043

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 16G - Trailer Substation #2		
PA 1 - Electrical Distribution	16G-002 - CONCRETE CHIPS	16G-002 - CONCRETE CHIPS
Component 16H - 10-Plex North Substation		
PA 1 - 10-Plex North Substation	_____	_____
Component 16J - 10-Plex South Substation		
PA 1 - 10-Plex South Substation	_____	_____
Component 18A - BDN Surge Lagoon		
PA 1 - Wastewater Treatment	18A-002A - UNKNOWN LIQUID	18A-002 - UNKNOWN LIQUID
	18A-004A - UNKNOWN LIQUID	18A-004 - UNKNOWN LIQUID
	18A-005 - UNKNOWN LIQUID	18A-005 - UNKNOWN LIQUID
	18A-006 - UNKNOWN LIQUID	18A-006 - UNKNOWN LIQUID
	18A-007 - UNKNOWN LIQUID	18A-007 - UNKNOWN LIQUID
	18A-008(DUP) - UNKNOWN LIQUID	18A-008(DUP) - UNKNOWN LIQUID
	18A-011A - UNKNOWN LIQUID	18A-011 - UNKNOWN LIQUID
	18A-012 - UNKNOWN LIQUID	18A-012 - UNKNOWN LIQUID
	18A-013 - UNKNOWN LIQUID	18A-013 - UNKNOWN LIQUID
	18A-014 - UNKNOWN LIQUID	18A-014 - UNKNOWN LIQUID
	18A-015 - UNKNOWN LIQUID	18A-015 - UNKNOWN LIQUID
	18A-017 - SEDIMENT	18A-017 - SEDIMENT
	18A-018(DUP) - SEDIMENT	18A-018(DUP) - SEDIMENT
	18A-020 - SEDIMENT	18A-020 - SEDIMENT
	18A-021 - SEDIMENT	18A-021 - SEDIMENT
	18A-023 - SEDIMENT	18A-023 - SEDIMENT
	18A-024 - SEDIMENT	18A-024 - SEDIMENT
	18A-026 - SEDIMENT	18A-026 - SEDIMENT
	18A-027 - SEDIMENT	18A-027 - SEDIMENT
Component 18B - General Sump		
PA 1 - Wastewater Treatment	18B-002 - CONCRETE CORE	18B-002 - CONCRETE CORE
	18B-003 - CONCRETE CORE	18B-003 - CONCRETE CORE
	18B-004 - CONCRETE CORE	18B-004 - CONCRETE CORE
	18B-005 - STEEL COATINGS	18B-006 - LOOSE MEDIA
	18B-006 - LOOSE MEDIA	18B-007(DUP) - LOOSE MEDIA
	18B-007(DUP) - LOOSE MEDIA	

Long dash (_____) indicates no sample taken from this process area.

000044

F 2173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 18C - Coal Pile Runoff Basin		
PA 1 - Runoff Collection	18C-002 - UNKNOWN LIQUID	18C-002R - UNKNOWN LIQUID
	18C-004 - SEDIMENT	18C-004R - SEDIMENT
	18C-005(DUP) - SEDIMENT	18C-005R(DUP) - SEDIMENT
	18C-008 - UNKNOWN LIQUID	18C-008R - UNKNOWN LIQUID
	18C-011 - SEDIMENT	18C-011R - SEDIMENT
Component 18D - Biodenitrification Towers		
PA 1 - High Nitrate Wastewater Treatment	_____	_____
Component 18E - Storm Water Retention Basin		
PA 1 - Stormwater Storage	18E-001 - UNKNOWN LIQUID	18E-001 - UNKNOWN LIQUID
	18E-002(DUP) - UNKNOWN LIQUID	18E-006 - SEDIMENT
	18E-006 - SEDIMENT	18E-007 - SEDIMENT
	18E-007 - SEDIMENT	18E-010 - UNKNOWN LIQUID
	18E-010 - UNKNOWN LIQUID	18E-012 - SEDIMENT
	18E-012 - SEDIMENT	18E-013 - SEDIMENT
	18E-013 - SEDIMENT	18E-016 - UNKNOWN LIQUID
	18E-016 - UNKNOWN LIQUID	18E-017(DUP) - UNKNOWN LIQUID
	18E-017(DUP) - UNKNOWN LIQUID	18E-021 - SEDIMENT
	18E-021 - SEDIMENT	18E-023 - UNKNOWN LIQUID
	18E-023 - UNKNOWN LIQUID	18E-025 - SEDIMENT
	18E-025 - SEDIMENT	18E-027 - UNKNOWN LIQUID
	18E-027 - UNKNOWN LIQUID	18E-029 - SEDIMENT
	18E-029 - SEDIMENT	
Component 18G - Clearwell Pump House		
PA 1 - Clearwell Runoff Pump	18G-003 - CONCRETE CHIPS	18G-003 - CONCRETE CHIPS
Component 18H - BDN Effluent Treatment Facility		
PA 1 - BDN Effluent Treatment	18H-003 - CONCRETE CHIPS	18H-003 - CONCRETE CHIPS
Component 18J - Methanol Tank		
PA 1 - Storage	18J-002 - CONCRETE CHIPS	18J-002 - CONCRETE CHIPS
	18J-003 - UNKNOWN LIQUID	18J-003 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

000045

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 18K - Low Nitrate Tank		
PA 1 - Wastewater Storage	18K-001 - UNKNOWN LIQUID 18K-003 - SEDIMENT	18K-001 - UNKNOWN LIQUID 18K-003 - SEDIMENT
Component 18L - High Nitrate Tank		
PA 1 - Wastewater Storage	18L-001 - UNKNOWN LIQUID 18L-003 - SEDIMENT	18L-001 - UNKNOWN LIQUID 18L-003 - SEDIMENT
Component 18M - High Nitrate Storage Tank		
PA 1 - High Nitrate Storage	18M-003 - CONCRETE CHIPS 18M-004(DUP) - CONCRETE CHIPS 18M-006 - STEEL COATINGS	18M-003 - CONCRETE CHIPS 18M-004(DUP) - CONCRETE CHIPS
Component 18P - Dissolved Oxygen Building		
PA 1 - Dissolved Oxygen Building	_____	_____
Component 18Q - IAWWT Valve House		
PA 1 - IAWWT Valve House	_____	_____
Component 19A - Main Tank Farm		
PA 1 - Liquid Storage	_____	_____
Component 19B - Pilot Plant Ammonia Tank Farm		
PA 1 - Ammonia Storage	_____	_____
Component 19C - Tank Farm Control House		
PA 1 - Offices	_____	_____
Component 19D - Old North Tank Farm		
PA 1 - Bulk Storage	19D-003 - CONCRETE CORE 19D-004 - CONCRETE CORE 19D-005 - CONCRETE CORE	19D-003R - CONCRETE CORE 19D-004R - CONCRETE CORE 19D-005R - CONCRETE CORE 19D-013R - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

000042

82128

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 19D - Old North Tank Farm		
PA 2 - Sump	19D-007 - STEEL COATINGS 19D-009 - CONCRETE CORE 19D-010 - CONCRETE CORE 19D-011 - CONCRETE CORE 19D-013 - UNKNOWN LIQUID	19D-009R - CONCRETE CORE 19D-010R - CONCRETE CORE 19D-011R - CONCRETE CORE
Component 19E - Tank Farm Lime Slitter Building		
PA 1 - Tank Farm Lime Slitter Building	_____	_____
Component 20A - Pump Station & Power Center		
PA 1 - Pump Station	_____	_____
Component 20B - Water Plant		
PA 1 - Water Treatment	_____	_____
Component 20C - Cooling Towers		
PA 1 - Cooling Towers	20C-002 - CONCRETE CHIPS	20C-002 - CONCRETE CHIPS
Component 20D - Elevated Potable Storage Tank		
PA 1 - Water Storage	_____	_____
Component 20E - Well House #1		
PA 1 - Pump Station	_____	_____
Component 20F - Well House #2		
PA 1 - Pump Station	_____	_____
Component 20G - Well House #3		
PA 1 - Pump Station	_____	_____
Component 20H - Process Water Storage Tank		
PA 1 - Water Storage	_____	_____

Long dash (_____) indicates no sample taken from this process area.

000047

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 22A - Gas Meter Building		
PA 1 - Gas Meter	_____	_____
Component 22B - Storm Sewer Lift Station		
PA 1 - Runoff Pumps	_____	_____
Component 22C - Truck Scale		
PA 1 - Scale	_____	_____
Component 22D - Scale House & Weigh Scale		
PA 1 - Scale	_____	_____
Component 22E - Utility Trench to Pit Area		
PA 1 - Material Handling	22E-002 - CONCRETE CORE	22E-002 - CONCRETE CORE
	22E-003 - CONCRETE CORE	22E-003 - CONCRETE CORE
	22E-004 - CONCRETE CORE	22E-004 - CONCRETE CORE
	22E-005 - UNKNOWN LIQUID	22E-005 - UNKNOWN LIQUID
	22E-007 - SEDIMENT	22E-007 - SEDIMENT
Component 23 - Meteorological Tower		
PA 1 - Meteorological Tower	_____	_____
Component 24A - Railroad Scale House		
PA 1 - Scale	24A-003 - CONCRETE CHIPS	24A-003 - CONCRETE CHIPS
	24A-005A - MASONRY CHIPS	24A-005 - MASONRY CHIPS
Component 24B - Railroad Engine House		
PA 1 - Engine Storage	24B-003 - CONCRETE CHIPS	24B-003 - CONCRETE CHIPS
	24B-005 - MASONRY CHIPS	24B-005 - MASONRY CHIPS
Component 25A - Chlorination Building		
PA 1 - Chlorine Treatment	_____	_____

Long dash (_____) indicates no sample taken from this process area.

000048

212269

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 25B - M.H.#175/Eff. Line/Sampling Bldg.		
PA 1 - Manhole 175	_____	_____
PA 2 - Effluent	_____	_____
Component 25C - Sewage Lift Station Building		
PA 1 - Waste Pumps	_____	_____
Component 25D - U.V. Disinfection Building		
PA 1 - U.V. Disinfection	_____	_____
Component 25E - Digester & Control Building		
PA 1 - Digester	25E-003 - CONCRETE CORE	25E-003R - CONCRETE CORE
	25E-004 - CONCRETE CORE	25E-004R - CONCRETE CORE
	25E-005 - CONCRETE CORE	25E-005R - CONCRETE CORE
	25E-007 - MASONRY CHIPS	25E-007 - MASONRY CHIPS
		25E-007R - MASONRY CHIPS
Component 25F - Sludge Drying Beds		
PA 1 - Sludge Drying	25F-002 - CONCRETE CHIPS	25F-002 - CONCRETE CHIPS
	25F-003 - UNKNOWN LIQUID	25F-003 - UNKNOWN LIQUID
	25F-005 - SEDIMENT	25F-005 - SEDIMENT
Component 25G - Primary Settling Basins		
PA 1 - Settling	25G-003 - CONCRETE CORE	25G-003R - CONCRETE CORE
	25G-004 - CONCRETE CORE	25G-004R - CONCRETE CORE
	25G-005 - CONCRETE CORE	25G-005R - CONCRETE CORE
	25G-007 - UNKNOWN LIQUID	25G-009R - SEDIMENT
	25G-009 - SEDIMENT	
Component 25H - Trickling Filters		
PA 1 - Sewage Treatment	25H-002 - CONCRETE CORE	25H-002 - CONCRETE CORE
	25H-003 - CONCRETE CORE	25H-003 - CONCRETE CORE
	25H-004 - CONCRETE CORE	25H-004 - CONCRETE CORE
	25H-005 - UNKNOWN LIQUID	25H-005 - UNKNOWN LIQUID

000049

 Long dash (_____) indicates no sample taken from this process area.

Metals and Radiologicals

	Metals	Radiologicals
Component 25J - 10-Plex Sewage Lift Station		
PA 1 - 10-Plex Sewage Lift Station	_____	_____
Component 26A - Pump House-HP Fire Protection		
PA 1 - Water Pumps	_____	_____
Component 26B - Elevated Water Storage Tank		
PA 1 - Water Storage	_____	_____
Component 26C - Main Electrical Strainer House		
PA 1 - Electrical Deluge System	26C-003 - CONCRETE CORE 26C-004 - CONCRETE CORE 26C-005 - CONCRETE CORE 26C-006 - MASONRY CHIPS 26C-007 - UNKNOWN LIQUID	26C-003 - CONCRETE CORE 26C-004 - CONCRETE CORE 26C-005 - CONCRETE CORE 26C-006 - MASONRY CHIPS 26C-007 - UNKNOWN LIQUID
Component 28A - Security Building		
PA 1 - Security Area	28A-003 - CONCRETE CHIPS 28A-005 - MASONRY CHIPS	28A-003 - CONCRETE CHIPS 28A-005 - MASONRY CHIPS 28A-006 - HVAC FILTER
Component 28B - Human Resources Building		
PA 1 - Offices	_____	_____
Component 28C - Guard Post on South End of 'D'		
PA 1 - Security	_____	_____
Component 28D - Guard Post on West End of 2nd		
PA 1 - Security	_____	_____
Component 28E - Guard Post of T-81		
PA 1 - Guard Post of T-81	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

000050

7173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 28F - Skeet Range Building		
PA 1 - Trap House	_____	_____
Component 28G - Guard Post South of Building		
PA 1 - Guard Post South of Building	_____	_____
Component 30A - Chemical Warehouse		
PA 1 - North Restricted Access Area	30A-003 - CONCRETE CHIPS 30A-004 - STEEL COATINGS 30A-007 - STEEL COATINGS	30A-003 - CONCRETE CHIPS
PA 2 - South Unrestricted Access Area	30A-006 - CONCRETE CHIPS	30A-006 - CONCRETE CHIPS
PA 3 - Loading Docks	30A-009 - CONCRETE CHIPS	30A-009 - CONCRETE CHIPS
Component 30B - Drum Storage Warehouse		
PA 1 - Storage	_____	_____
Component 30C - Old Ten Ton Scale		
PA 1 - Scale	_____	_____
Component 31A - Engine House/Garage		
PA 1 - Garage	31A-003A - CONCRETE CORE 31A-004A - CONCRETE CORE 31A-005A - CONCRETE CORE 31A-006A - MASONRY CHIPS 31A-007 - LOOSE MEDIA 31A-008 - UNKNOWN LIQUID 31A-009 - UNKNOWN LIQUID 31A-010 - UNKNOWN LIQUID	31A-003 - CONCRETE CORE 31A-004 - CONCRETE CORE 31A-005 - CONCRETE CORE 31A-006 - MASONRY CHIPS 31A-007 - LOOSE MEDIA 31A-008 - UNKNOWN LIQUID 31A-009 - UNKNOWN LIQUID 31A-010 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

0000541

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 31B - Old Truck Scale		
PA 1 - Platform	_____	_____
Component 32A - Magnesium Storage Building		
PA 1 - Storage	_____	_____
Component 32B - Building 32 Covered Loading Dock		
PA 1 - Loading Dock	32B-003 - CONCRETE CHIPS 32B-005 - STEEL COATINGS	32B-003 - CONCRETE CHIPS
Component 37 - Pilot Plant Annex		
PA 1 - East Wall Processes	37-003 - CONCRETE CHIPS 37-004 - MASONRY CHIPS 37-005 - STEEL COATINGS	37-003 - CONCRETE CHIPS 37-003R - CONCRETE CHIPS 37-004R - MASONRY CHIPS
PA 2 - Plasma Furnace	37-007 - CONCRETE CHIPS 37-009 - MASONRY CHIPS	37-007 - CONCRETE CHIPS 37-007R - CONCRETE CHIPS 37-009R - MASONRY CHIPS
PA 3 - P-2 Furnace	37-010 - CONCRETE CHIPS 37-011 - MASONRY CHIPS	37-010R - CONCRETE CHIPS 37-011R - MASONRY CHIPS
PA 4 - NuSal Heat Treat Furnace	37-013 - CONCRETE CHIPS 37-014 - MASONRY CHIPS 37-015(DUP) - MASONRY CHIPS	37-013R - CONCRETE CHIPS 37-014R - MASONRY CHIPS 37-015R(DUP) - MASONRY CHIPS
PA 5 - West Wall Processes	37-018 - CONCRETE CHIPS 37-020 - MASONRY CHIPS	37-018R - CONCRETE CHIPS 37-020R - MASONRY CHIPS

Long dash (_____) indicates no sample taken from this process area.

250000

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 37 - Pilot Plant Annex		
PA 6 - Southeast Processes	37-021 - CONCRETE CHIPS	37-021R - CONCRETE CHIPS
	37-022 - MASONRY CHIPS	37-022R - MASONRY CHIPS
	37-023 - UNKNOWN LIQUID	37-023R - UNKNOWN LIQUID
PA 7 - Outside Areas	37-027 - CONCRETE CHIPS	37-027R - CONCRETE CHIPS
	37-028(DUP) - CONCRETE CHIPS	37-028R(DUP) - CONCRETE CHIPS
	37-031 - UNKNOWN LIQUID	37-031R - UNKNOWN LIQUID
	37-033 - CONCRETE CHIPS	37-033R - CONCRETE CHIPS
	37-034 - UNKNOWN LIQUID	37-034R - UNKNOWN LIQUID
	37-035 - CONCRETE CHIPS	37-035R - CONCRETE CHIPS
Component 38A - Propane Storage		
PA 1 - Storage	_____	_____
Component 38B - Cylinder Filling Station		
PA 1 - Cylinder Filling	_____	_____
Component 39A - Incinerator Building		
PA 1 - Drum Dryer	39A-003 - CONCRETE CORE	39A-003 - CONCRETE CORE
	39A-004 - CONCRETE CORE	39A-004 - CONCRETE CORE
	39A-005 - CONCRETE CORE	39A-005 - CONCRETE CORE
	39A-007 - MASONRY CHIPS	39A-007 - MASONRY CHIPS
	39A-008(DUP) - MASONRY CHIPS	39A-008(DUP) - MASONRY CHIPS
	39A-010A - STEEL COATINGS	39A-010 - STEEL COATINGS
	39A-011 - UNKNOWN LIQUID	39A-011 - UNKNOWN LIQUID
	39A-013 - LOOSE MEDIA	39A-013 - LOOSE MEDIA
PA 2 - Trash Baler	39A-020 - CONCRETE CHIPS	39A-020 - CONCRETE CHIPS
	39A-022A - STEEL COATINGS	39A-022 - STEEL COATINGS

Long dash (_____) indicates no sample taken from this process area.

000053

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 39A - Incinerator Building		
PA 3 - Liquid Waste Incinerator	39A-015(TCLP) - TRANSITE 39A-016(DUP)(TCLP) - TRANSITE 39A-024 - CONCRETE CORE 39A-025 - CONCRETE CORE 39A-026 - CONCRETE CORE 39A-028A - STEEL COATINGS	39A-024 - CONCRETE CORE 39A-025 - CONCRETE CORE 39A-026 - CONCRETE CORE 39A-028 - STEEL COATINGS
PA 4 - Solid Waste Incinerator	39A-030 - CONCRETE CHIPS 39A-032A - STEEL COATINGS	39A-030 - CONCRETE CHIPS 39A-032 - STEEL COATINGS
Component 39B - Waste Oil Decant Shelter		
PA 1 - Oil-Water Separation	39B-002 - CONCRETE CORE 39B-003 - CONCRETE CORE 39B-004 - CONCRETE CORE 39B-005A - STEEL COATINGS 39B-006 - UNKNOWN LIQUID 39B-007 - LOOSE MEDIA	39B-002 - CONCRETE CORE 39B-003 - CONCRETE CORE 39B-004 - CONCRETE CORE 39B-006 - UNKNOWN LIQUID 39B-007 - LOOSE MEDIA
Component 39C - Incinerator Sprinkler Riser House		
PA 1 - Fire Protection	_____	_____
Component 39D - Sewage Treatment Plant Incinerator		
PA 1 - Incinerator	39D-003 - CONCRETE CHIPS 39D-005 - STEEL COATINGS	39D-003R - CONCRETE CHIPS
Component 45A - Rust Engineering Building		
PA 1 - Offices	45A-003 - CONCRETE CHIPS 45A-005A - STEEL COATINGS 45A-006 - HVAC FILTER	45A-003 - CONCRETE CHIPS 45A-005 - STEEL COATINGS 45A-006 - HVAC FILTER
Component 45B - Utility Shed East of Rust Trailers		
PA 1 - Storage	45B-002 - WOOD	45B-002 - WOOD

Long dash (_____) indicates no sample taken from this process area.

000054

7173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 46 - Heavy Equipment Building		
PA 1 - Heavy Equipment Storage	46-003 - CONCRETE CORE 46-004 - CONCRETE CORE 46-005 - CONCRETE CORE 46-006 - SEDIMENT 46-007 - UNKNOWN LIQUID 46-011 - STEEL COATINGS 46-011A - STEEL COATINGS 46-012A(DUP) - STEEL COATINGS	46-003 - CONCRETE CORE 46-004 - CONCRETE CORE 46-005 - CONCRETE CORE 46-006 - SEDIMENT 46-007 - UNKNOWN LIQUID
Component 51 - Six to Four Reduction Facility #2		
PA 1 - Storage	_____	_____
Component 53A - Health & Safety Building		
PA 1 - Medical Services	_____	_____
PA 2 - Offices	53A-003 - CONCRETE CHIPS	53A-003 - CONCRETE CHIPS
PA 3 - Security Communications	_____	_____
Component 53B - In-Vivo Building		
PA 1 - In-Vivo	_____	_____
Component 54A - Six to Four Reduction Facility #1		
PA 1 - Autoclave Area	54A-003 - CONCRETE CHIPS 54A-005 - MASONRY CHIPS 54A-006 - STEEL COATINGS 54A-016A - STEEL COATINGS 54A-040 - MASONRY CHIPS 54A-040(TCLP) - MASONRY CHIPS 54A-041 - MASONRY CHIPS 54A-041(TCLP) - MASONRY CHIPS	54A-003 - CONCRETE CHIPS 54A-005 - MASONRY CHIPS 54A-006 - STEEL COATINGS

Long dash (_____) indicates no sample taken from this process area.

000055

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 54A - Six to Four Reduction Facility #1		
PA 2 - UF6 Reduction Reactors	54A-007A - CONCRETE CHIPS	54A-007 - CONCRETE CHIPS
	54A-008 - MASONRY CHIPS	54A-008 - MASONRY CHIPS
	54A-010A - STEEL COATINGS	54A-010 - STEEL COATINGS
	54A-011A(DUP) - STEEL COATINGS	
PA 3 - AHF Recovery	54A-013 - CONCRETE CHIPS	54A-013 - CONCRETE CHIPS
	54A-015 - MASONRY CHIPS	54A-015 - MASONRY CHIPS
		54A-016 - STEEL COATINGS
PA 4 - DHF Recovery	54A-017 - CONCRETE CORE	54A-017 - CONCRETE CORE
	54A-018 - CONCRETE CORE	54A-018 - CONCRETE CORE
	54A-019 - CONCRETE CORE	54A-019 - CONCRETE CORE
	54A-021 - MASONRY CHIPS	54A-021 - MASONRY CHIPS
	54A-022A - STEEL COATINGS	54A-022 - STEEL COATINGS
PA 5 - Thorium Derby Production	54A-023 - CONCRETE CHIPS	54A-023 - CONCRETE CHIPS
	54A-024 - MASONRY CHIPS	54A-024 - MASONRY CHIPS
	54A-026A - STEEL COATINGS	54A-026 - STEEL COATINGS
PA 6 - Derby/Saw Sampling	54A-027 - CONCRETE CHIPS	54A-027 - CONCRETE CHIPS
	54A-029 - MASONRY CHIPS	54A-029 - MASONRY CHIPS
	54A-030 - STEEL COATINGS	54A-030 - STEEL COATINGS
PA 7 - P-1 Furnace Room	54A-031A - CONCRETE CORE	54A-031 - CONCRETE CORE
	54A-032A - CONCRETE CORE	54A-032 - CONCRETE CORE
	54A-033A - CONCRETE CORE	54A-033 - CONCRETE CORE
	54A-035 - MASONRY CHIPS	54A-035 - MASONRY CHIPS
	54A-036 - STEEL COATINGS	54A-036 - STEEL COATINGS

Long dash (_____) indicates no sample taken from this process area.

000036

2123

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 54A - Six to Four Reduction Facility #1		
PA 8 - PLT Furnace	54A-037 - CONCRETE CHIPS 54A-038 - MASONRY CHIPS	54A-037 - CONCRETE CHIPS 54A-038 - MASONRY CHIPS
Component 54B - Pilot Plant Shelter		
PA 1 - Drum Storage	54B-002 - CONCRETE CHIPS 54B-004 - STEEL COATINGS	54B-002 - CONCRETE CHIPS
Component 54C - Pilot Plant Diassociator Shelter		
PA 1 - Ammonia Dissociation	54C-002A - CONCRETE CHIPS 54C-003A - STEEL COATINGS 54C-004 - LOOSE MEDIA	54C-002 - CONCRETE CHIPS 54C-004 - LOOSE MEDIA
Component 55A - Slag Recycling Building		
PA 1 - Storage	55A-003 - CONCRETE CHIPS 55A-005 - STEEL COATINGS	55A-003 - CONCRETE CHIPS 55A-005 - STEEL COATINGS
Component 55B - Slag Recycling Pit/Elevator		
PA 1 - Slag Processing	55B-003 - CONCRETE CHIPS 55B-004A - STEEL COATINGS 55B-005 - LOOSE MEDIA 55B-006 - UNKNOWN LIQUID	55B-003 - CONCRETE CHIPS 55B-005 - LOOSE MEDIA 55B-006 - UNKNOWN LIQUID
Component 56A - CP Storage Warehouse		
PA 1 - Storage	56A-003 - CONCRETE CHIPS 56A-004 - STEEL COATINGS	56A-003 - CONCRETE CHIPS
Component 56B - Storage Shed (West)		
PA 1 - Storage	_____	_____
Component 56C - Storage Shed (East)		
PA 1 - Storage	_____	_____

Long dash (_____) indicates no sample taken from this process area.

250000

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 60 - Quonset Hut #1		
PA 1 - Drum Storage	_____	_____
Component 61 - Quonset Hut #2		
PA 1 - Storage	_____	_____
Component 62 - Quonset Hut #3		
PA 1 - Storage	62-003 - CONCRETE CHIPS	62-003 - CONCRETE CHIPS
Component 63 - KC-2 Warehouse		
PA 1 - Storage	63-003 - CONCRETE CHIPS 63-005 - MASONRY CHIPS 63-006(DUP) - MASONRY CHIPS	63-003 - CONCRETE CHIPS 63-005 - MASONRY CHIPS 63-006(DUP) - MASONRY CHIPS
Component 64 - Thorium Warehouse		
PA 1 - Thorium Overpacking	64-003 - CONCRETE CHIPS 64-004 - STEEL COATINGS	64-003 - CONCRETE CHIPS
PA 2 - Drum Storage	_____	_____
Component 65 - (Old) Plant 5 Warehouse		
PA 1 - Drum Storage.	_____	_____
Component 66 - Drum Reconditioning Building		
PA 1 - Shot Blasting	66-003 - CONCRETE CHIPS 66-005A - STEEL COATINGS	66-003 - CONCRETE CHIPS 66-003R - CONCRETE CHIPS
PA 2 - Painting	66-006A - CONCRETE CORE 66-007A - CONCRETE CORE 66-008A - CONCRETE CORE 66-009A - STEEL COATINGS 66-010 - LOOSE MEDIA	66-006 - CONCRETE CORE 66-007 - CONCRETE CORE 66-008 - CONCRETE CORE 66-010 - LOOSE MEDIA

Long dash (_____) indicates no sample taken from this process area.

000058

3212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 66 - Drum Reconditioning Building		
PA 3 - Drum Baling	66-014 - CONCRETE CHIPS	66-014 - CONCRETE CHIPS
	66-015(DUP) - CONCRETE CHIPS	66-015(DUP) - CONCRETE CHIPS
	66-016 - STEEL COATINGS	66-017 - UNKNOWN LIQUID
	66-017 - UNKNOWN LIQUID	
PA 4 - Solvent Storage	66-020A - STEEL COATINGS	_____
Component 67 - Plant 1 Thorium Warehouse		
PA 1 - Thorium Storage	67-002A - CONCRETE CHIPS	67-002 - CONCRETE CHIPS
Component 68 - Pilot Plant Warehouse		
PA 1 - Storage	68-003 - CONCRETE CHIPS	68-003 - CONCRETE CHIPS
	68-005 - STEEL COATINGS	
Component 69 - Decontamination Building		
PA 1 - Decontamination	69-003 - CONCRETE CORE	69-003 - CONCRETE CORE
	69-004 - CONCRETE CORE	69-004 - CONCRETE CORE
	69-006 - MASONRY CHIPS	69-005 - CONCRETE CORE
	69-007A - ACID BRICK	69-006 - MASONRY CHIPS
	69-009 - UNKNOWN LIQUID	69-007 - ACID BRICK
	69-012 - SLUDGE	69-009 - UNKNOWN LIQUID
		69-012 - SLUDGE
Component 71 - General In-Process Warehouse		
PA 1 - Isotopic Verification	71-001 - CONCRETE CHIPS	71-001 - CONCRETE CHIPS
	71-003 - MASONRY CHIPS	71-003 - MASONRY CHIPS
PA 2 - Storage	71-004 - CONCRETE CHIPS	71-004 - CONCRETE CHIPS
	71-005 - MASONRY CHIPS	71-005 - MASONRY CHIPS

Long dash (_____) indicates no sample taken from this process area.

650000

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 72 - Drum Storage Building		
PA 1 - Storage	72-003A - CONCRETE CHIPS 72-005 - STEEL COATINGS	72-003 - CONCRETE CHIPS
Component 73A - Fire Brigade Training Center Bldg.		
PA 1 - Training	_____	_____
Component 73B - Fire Training Pond		
PA 1 - Fire Training	_____	_____
Component 73C - Fire Training Tank		
PA 1 - Tank	_____	_____
Component 73D - Fire Training Burn Trough		
PA 1 - Fire Training	_____	_____
Component 73E - Confined Space Burn Tank		
PA 1 - Tank	_____	_____
Component 74A - Plant 2 East Pad		
PA 1 - Storage	74A-002 - CONCRETE CHIPS 74A-003 - UNKNOWN LIQUID	74A-002 - CONCRETE CHIPS 74A-003 - UNKNOWN LIQUID
Component 74B - Plant 2 West Pad		
PA 1 - Storage	74B-003 - CONCRETE CHIPS	74B-003 - CONCRETE CHIPS
Component 74C - Plant 8 East Pad		
PA 1 - Storage	74C-002 - CONCRETE CHIPS 74C-003 - LOOSE MEDIA 74C-004 - UNKNOWN LIQUID	74C-002 - CONCRETE CHIPS 74C-003 - LOOSE MEDIA 74C-004 - UNKNOWN LIQUID
Component 74D - Plant 8 West Pad		
PA 1 - Storage	74D-002A - CONCRETE CHIPS 74D-003 - UNKNOWN LIQUID 74D-005 - LOOSE MEDIA	74D-002 - CONCRETE CHIPS 74D-003 - UNKNOWN LIQUID 74D-005 - LOOSE MEDIA

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 74E - Plant 4 Pad		
PA 1 - Storage	74E-002 - CONCRETE CHIPS	74E-002 - CONCRETE CHIPS
	74E-003 - ASPHALT	74E-003 - ASPHALT
Component 74F - Plant 7 Pad		
PA 1 - Storage	74F-002 - CONCRETE CHIPS	74F-002 - CONCRETE CHIPS
Component 74G - Plant 5 East Pad		
PA 1 - Storage	74G-003 - CONCRETE CHIPS	74G-003 - CONCRETE CHIPS
	74G-005 - UNKNOWN LIQUID	74G-005 - UNKNOWN LIQUID
	74G-006(DUP) - UNKNOWN LIQUID	74G-006(DUP) - UNKNOWN LIQUID
	74G-008 - LOOSE MEDIA	74G-008 - LOOSE MEDIA
Component 74H - Plant 5 South Pad		
PA 1 - Storage	74H-002 - CONCRETE CHIPS	74H-002 - CONCRETE CHIPS
Component 74J - Plant 6 Pads		
PA 1 - Storage	74J-002A - CONCRETE CHIPS	74J-002 - CONCRETE CHIPS
Component 74K - Plant 9 Pad		
PA 1 - Storage	74K-002 - CONCRETE CHIPS	155405-1 - UNKNOWN LIQUID
		74K-002 - CONCRETE CHIPS
Component 74L - Building 65 West Pad		
PA 1 - Storage	74L-003 - CONCRETE CHIPS	74L-003 - CONCRETE CHIPS
Component 74M - Building 64 East Pad & R.R. Dock		
PA 1 - Storage	74M-002 - CONCRETE CHIPS	74M-002 - CONCRETE CHIPS
Component 74N - Building 12 North Pad		
PA 1 - Storage	74N-003 - CONCRETE CHIPS	74N-003 - CONCRETE CHIPS
	74N-004 - LOOSE MEDIA	74N-004 - LOOSE MEDIA

Long dash (_____) indicates no sample taken from this process area.

000064

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 74P - Decontamination Pad		
PA 1 - Decontamination	74P-003 - CONCRETE CORE	74P-003 - CONCRETE CORE
	74P-004 - CONCRETE CORE	74P-004 - CONCRETE CORE
	74P-005 - CONCRETE CORE	74P-005 - CONCRETE CORE
	74P-006(DUP) - CONCRETE CORE	74P-006(DUP) - CONCRETE CORE
	74P-008 - ASPHALT	74P-008 - ASPHALT
PA 2 - Scrap Pile Storage	_____	_____
Component 74Q - Plant 8 Old Metal Dissolver Pad		
PA 1 - Metal Dissolver	74Q-002 - CONCRETE CHIPS	74Q-002 - CONCRETE CHIPS
	74Q-003 - ACID BRICK	74Q-003 - ACID BRICK
	74Q-004 - CONCRETE CHIPS	74Q-004 - CONCRETE CHIPS
	74Q-005 - UNKNOWN LIQUID	74Q-005 - UNKNOWN LIQUID
	74Q-007 - LOOSE MEDIA	74Q-007 - LOOSE MEDIA
Component 74R - Plant 8 North Pad		
PA 1 - Storage	74R-003 - CONCRETE CORE	74R-003R - CONCRETE CORE
	74R-004 - CONCRETE CORE	74R-004R - CONCRETE CORE
	74R-005 - CONCRETE CORE	74R-005R - CONCRETE CORE
	74R-007 - UNKNOWN LIQUID	74R-007R - UNKNOWN LIQUID
	74R-009 - LOOSE MEDIA	74R-009R - LOOSE MEDIA
Component 74S - Building 63 West Pad		
PA 1 - Storage	74S-002 - CONCRETE CHIPS	74S-002 - CONCRETE CHIPS
Component 74T - Plant 1 Storage Pad		
PA 1 - New Drum Storage	74T-002A - CONCRETE CHIPS	74T-002 - CONCRETE CHIPS
	74T-003A(TCLP) - CONCRETE CHIPS	74T-003(TCLP) - CONCRETE CHIPS
	74T-005 - UNKNOWN LIQUID	74T-005 - UNKNOWN LIQUID
	74T-009A - CONCRETE CHIPS	74T-009 - CONCRETE CHIPS
	74T-010A(DUP) - CONCRETE CHIPS	74T-010(DUP) - CONCRETE CHIPS
	74T-012 - SEDIMENT	74T-012 - SEDIMENT
	74T-013 - UNKNOWN LIQUID	74T-013 - UNKNOWN LIQUID
	74T-017 - LOOSE MEDIA	74T-017 - LOOSE MEDIA
	74T-019 - LOOSE MEDIA	74T-019 - LOOSE MEDIA

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Long dash (_____) indicates no sample taken from this process area.

000062

8 7 1 7 3

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 74T - Plant 1 Storage Pad		
PA 2 - Copper Shredder/Drum Straightening	_____	_____
PA 3 - Copper Pile Storage	_____	_____
PA 4 - Old Drum Storage	_____	_____
Component 74U - Pilot Plant Pad		
PA 1 - Storage	74U-002 - CONCRETE CHIPS	74U-002 - CONCRETE CHIPS
Component 74V - Laboratory Pad		
PA 1 - Storage	74V-002 - CONCRETE CHIPS	74V-002 - CONCRETE CHIPS
Component 74W - Building 39A Pad		
PA 1 - Incinerator Building Pad	74W-002 - CONCRETE CORE	74W-002A - CONCRETE CORE
	74W-003 - CONCRETE CORE	74W-003A - CONCRETE CORE
	74W-004 - CONCRETE CORE	74W-004A - CONCRETE CORE
	74W-005 - UNKNOWN LIQUID	74W-005 - UNKNOWN LIQUID
Component 77 - Finished Products Warehouse (4A)		
PA 1 - Storage	77-003 - CONCRETE CHIPS	77-003 - CONCRETE CHIPS
	77-004A - STEEL COATINGS	77-004 - STEEL COATINGS
Component 78 - D & D Building (Under Constr.)		
PA 1 - Decontamination	_____	_____
Component 79 - Plant 6 Warehouse		
PA 1 - Drum Storage	79-003A - CONCRETE CHIPS	79-003 - CONCRETE CHIPS
	79-005A - STEEL COATINGS	79-005 - STEEL COATINGS
Component 80 - Plant 8 Warehouse		
PA 1 - Storage	80-003A - CONCRETE CHIPS	80-003 - CONCRETE CHIPS
	80-005A - STEEL COATINGS	80-005 - STEEL COATINGS

Long dash (_____) indicates no sample taken from this process area.

000093

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component 81 - Plant 9 Warehouse		
PA 1 - Drum Storage	81-003A - CONCRETE CHIPS	81-003A - CONCRETE CHIPS
	81-005A - STEEL COATINGS	81-005 - STEEL COATINGS
Component 82 - Receiving/Incoming Mat'ls. Inspection		
PA 1 - Receiving	_____	_____
Component 88 - Clearwell Line		
PA 1 - Water Handling	88-001 - UNKNOWN LIQUID	88-001 - UNKNOWN LIQUID
Component 89 - Parking Lot		
PA 1 - Parking	_____	_____
Component G1 - Railroad Tracks		
PA 1 - Railroad Tracks	_____	_____
Component G2 - Roads		
PA 1 - Roads	G02-001 - ASPHALT	G02-001 - ASPHALT
	G02-004 - ASPHALT	G02-004 - ASPHALT
Component G3 - Storm Sewer System		
PA 1 - Storm Sewers	G3-001 - UNKNOWN LIQUID	G3-001 - UNKNOWN LIQUID
	G3-002(DUP) - UNKNOWN LIQUID	G3-002(DUP) - UNKNOWN LIQUID
Component G4 - Utility Lines		
PA 1 - Utility Lines	_____	_____
Component G5 - Underground Storage Tanks		
PA 1 - Underground Tanks	_____	_____
Component G6 - Process Trailers		
PA 1 - Trailers	_____	_____

Long dash (_____) indicates no sample taken from this process area.

000094

8212

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component G7 - Non-process Trailers		
PA 1 - Trailers	_____	_____
Component G8 - Pipe Bridges		
PA 1 - Pipe Bridges	_____	_____
Component G9 - DRUMS (NON-RCRA)		
PA 1 - Drums	_____	_____
Component G10 - RCRA Drums		
PA 1 - Drums	_____	_____
Component G11 - Inventory		
PA 1 - Inventory	_____	_____
Component G12 - Mobile Containers (Sea-Land)		
PA 1 - Containers	_____	_____
Component G13 - Soil Piles		
PA 1 - East of Building 2A (SOIL PILE #1)	G13-001-M - SOIL	G13-001R - SOIL
PA 2 - West of Decon Pad 74P (Soil pile #3)	G13-007-M - SOIL	G13-004R - SOIL G13-007-R - SOIL
PA 3 - South of Building 8A	_____	_____
PA 4 - Southeast of Building 8A (Soil pile #2)	G13-004-M - SOIL	G13-004-R - SOIL
PA 5 - South of Building 80 (Soil pile #4)	G13-010-M - SOIL GI3-011-M(DUP) - SOIL	GI3-010-R - SOIL G13-011(DUP) - SOIL G13-015R - SOIL

Long dash (_____) indicates no sample taken from this process area.

0000065

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component G13 - Soil Piles		
PA 6 - South of Building 5A (Soil Pile #5)	G13-015-M - SOIL	_____
PA 7 - North of Building 9A	_____	_____
PA 8 - Between Railroad Tracks 6 & 9 (soil pile #6)	G13-019-M - SOIL G13-019S-M - SOIL	G13-019-R - SOIL G13-019S-R - SOIL
PA 9 - East of Coal Pile Runoff Basin	_____	_____
PA 10 - 3rd Street Dirt Pile (Soil pile #7)	G13-022-M - SOIL G13-023-M - SOIL G13-024-M - SOIL G13-025-M - SOIL	G13-022-R - SOIL G13-023-R - SOIL G13-024 - SOIL G13-025-R - SOIL
PA 11 - Southwest of Building 15	_____	_____
PA 12 - North of Building 67	_____	_____
Component P1 - Rock salt pile		
PA 1 - Rock Salt	_____	_____
Component P2 - Sand piles		
PA 1 - Sand	_____	_____
Component P3 - Gravel pile		
PA 1 - Gravel	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

000066

7173

Appendix L.1 - Data Source Table

Metals and Radiologicals

	Metals	Radiologicals
Component P4 - Copper metal scrap pile		
PA 1 - Copper	_____	_____
Component P5 - Coal pile		
PA 1 - Coal Pile	_____	_____
Component P6 - Scrap metal pile		
PA 1 - Scrap Metal	_____	_____
Component TS1 - Tension Support Structure #1		
PA 1 - Storage	_____	_____
Component TS2 - Tension Support Structure #2		
PA 1 - Storage	_____	_____
Component TS3 - Tension Support Structure #3		
PA 1 - Storage	_____	_____
Component TS-004 - Tension Support Structure #4		
PA 1 - Tension Support Structure #4	_____	_____
Component TS-005 - Tension Support Structure #5		
PA 1 - Tension Support Structure #5	_____	_____
Component TS-006 - Tension Support Structure #6		
PA 1 - Tension Support Structure #6	_____	_____

290000

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 1A - Preparation Plant			
PA 1 - Drum Sampling	_____	_____	_____
PA 2 - Crushing/Milling	1A-005(TCLP) - TRANSITE	1A-005(TCLP) - TRANSITE	_____
PA 3 - Enriched Materials Reclaimation	_____	_____	_____
PA 4 - Drum Washing	_____	_____	_____
PA 5 - Solvent Reclaimation	_____	_____	_____
PA 6 - Waste Water Handling	1A-028 - UNKNOWN LIQUID	1A-028 - UNKNOWN LIQUID	_____
PA 7 - Repackaging	_____	_____	_____
Component 1B - Plant 1 Storage Shelter			
PA 1 - Covered Storage	_____	_____	_____
Component 1C - Plant 1 Ore Silos			
PA 1 - Milled Ore Storage	_____	_____	_____
Component 2A - Ore Refinery Plant			
PA 1 - Digestion	2A-012 - UNKNOWN LIQUID 2A-014(TCLP) - TRANSITE 2A-015 - ACID BRICK 2A-016(DUP) - ACID BRICK 2A-018(TCLP) - CONCRETE CHIPS 2A-019(DUP)(TCLP) - CONCRETE CHIPS 2A-054(TCLP) - TRANSITE	2A-012 - UNKNOWN LIQUID 2A-014(TCLP) - TRANSITE 2A-015 - ACID BRICK 2A-016(DUP)(TCLP) - ACID BRICK 2A-018(TCLP) - CONCRETE CHIPS 2A-019(DUP)(TCLP) - CONCRETE CHIPS	_____

09/06/95 - Draft L.1-57

Long dash (_____) indicates no sample taken from this process area.

000068

7173

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 2A - Ore Refinery Plant			
PA 2 - Drum Digestion	_____	_____	_____
PA 3 - Extraction	2A-035 - UNKNOWN LIQUID	2A-035 - UNKNOWN LIQUID	_____
PA 4 - Denitration	2A-046 - LOOSE MEDIA 2A-048 - UNKNOWN LIQUID 2A-049(DUP) - UNKNOWN LIQUID	2A-046 - LOOSE MEDIA 2A-048 - UNKNOWN LIQUID 2A-049(DUP) - UNKNOWN LIQUID	_____
PA 5 - Enriched Calcining	_____	_____	_____
Component 2B - General/Refinery Sump Control Bldg.			
PA 1 - Storage	2B-005 - UNKNOWN LIQUID	2B-005 - UNKNOWN LIQUID	_____
Component 2C - Bulk Lime Handling Building			
PA 1 - Bulk Lime Handling	2C-007 - UNKNOWN LIQUID 2C-009 - SEDIMENT	2C-007 - UNKNOWN LIQUID 2C-009 - SEDIMENT	_____
Component 2D - Metal Dissolver Building			
PA 1 - Metal Dissolution	_____	_____	_____
PA 2 - West Metal Dissolution	2D-016 - UNKNOWN LIQUID	2D-016 - UNKNOWN LIQUID	_____
PA 3 - Charcoal Treatment	2D-023 - LOOSE MEDIA	2D-023 - LOOSE MEDIA	_____
Component 2E - NFS Storage & Pump House			
PA 1 - NFS Storage	_____	_____	_____
Component 2F - Cold Side Ore Conveyor			
PA 1 - Cold Ore Conveyor	_____	_____	_____

690000

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 2G - Hot Side Ore Conveyor			
PA 1 - Hot Ore Conveyor	_____	_____	_____
Component 2H - Conveyor Tunnel (From Plant 1)			
PA 1 - Ore Conveyor	2H-007 - UNKNOWN LIQUID 2H-009 - LOOSE MEDIA 2H-012 - SEDIMENT	2H-007 - UNKNOWN LIQUID 2H-009 - LOOSE MEDIA 2H-012 - SEDIMENT	_____
Component 3A - Maintenance Building			
PA 1 - Maintenance	_____	_____	_____
Component 3B - Ozone Building			
PA 1 - Acid Bleaching	_____	_____	_____
Component 3C - NAR Control House			
PA 1 - NAR Control	_____	_____	_____
Component 3D - NAR Towers			
PA 1 - Nitric Acid Recovery	3D-006 - UNKNOWN LIQUID	3D-006 - UNKNOWN LIQUID	_____
Component 3E - Hot Raffinate Building			
PA 1 - Filtering	3E-008 - UNKNOWN LIQUID 3E-010 - UNKNOWN LIQUID 3E-015(TCLP) - TRANSITE	3E-008 - UNKNOWN LIQUID 3E-010 - UNKNOWN LIQUID 3E-015(TCLP) - TRANSITE	_____
Component 3F - Harshaw Digestion Fume Recovery			
PA 1 - Harshaw Fume Recovery	3F-008 - UNKNOWN LIQUID 3F-011(DUP) - UNKNOWN LIQUID	3F-008 - UNKNOWN LIQUID 3F-011(DUP) - UNKNOWN LIQUID	_____
Component 3G - Refrigeration Building			
PA 1 - Refrigeration	_____	_____	_____
Component 3H - Refinery Sump			
PA 1 - Wastewater Treatment	3H-007 - LOOSE MEDIA	3H-007 - LOOSE MEDIA	_____
Component 3J - Combined Raffinate Tanks			
PA 1 - Combined Raffinate	3J-007 - UNKNOWN LIQUID	3J-007 - UNKNOWN LIQUID	_____

Long dash (_____) indicates no sample taken from this process area.

000070

3212

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 3K - Old Cooling Water Tower			
PA 1 - Process Water Cooling	3K-007 - UNKNOWN LIQUID	3K-007 - UNKNOWN LIQUID	_____
Component 3L - Electrical Power Center Building			
PA 1 - Electrical Distribution	_____	_____	_____
Component 4A - Green Salt Plant			
PA 1 - Hydrofluorination	4A-009 - UNKNOWN LIQUID 4A-011 - LOOSE MEDIA 4A-012(TCLP) - TRANSITE 4A-013(DUP)(TCLP) - TRANSITE	4A-009 - UNKNOWN LIQUID 4A-011 - LOOSE MEDIA 4A-012(TCLP) - TRANSITE 4A-013(DUP)(TCLP) - TRANSITE	_____
PA 2 - Ammonia Dissociation and Nitrogen Generation	_____	_____	_____
PA 3 - Hydrofluoric Acid Recovery	4A-034 - UNKNOWN LIQUID 4A-035 - LOOSE MEDIA	4A-034 - UNKNOWN LIQUID 4A-035 - LOOSE MEDIA	_____
Component 4B - Plant 4 Warehouse			
PA 1 - UF4 Storage	_____	_____	_____
Component 4C - Plant 4 Maintenance Building			
PA 1 - Maintenance	_____	_____	_____
Component 5A - Metals Production Plant			
PA 1 - Reduction	5A-005 - LOOSE MEDIA 5A-007(TCLP) - TRANSITE	5A-005 - LOOSE MEDIA 5A-007(TCLP) - TRANSITE	_____
PA 2 - Casting (Remelt)	5A-013 - LOOSE MEDIA 5A-015 - LOOSE MEDIA	5A-013 - LOOSE MEDIA 5A-015 - LOOSE MEDIA	_____
PA 3 - Ingot Cropping	5A-061 - CONCRETE CORE 5A-061(TCLP) - CONCRETE CORE 5A-062 - CONCRETE CORE 5A-062(TCLP) - CONCRETE CORE 5A-063 - CONCRETE CORE 5A-063(TCLP) - CONCRETE CORE 5A-064 - CONCRETE CORE 5A-065 - CONCRETE CORE 5A-065(TCLP) - CONCRETE CORE		

F20000

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
		_____	_____
	5A-066 - CONCRETE CORE		
Component 5A - Metals Production Plant			
PA 4 - Saw Sharpening	_____	_____	_____
PA 5 - Mold Preparation	5A-027 - CONCRETE CHIPS 5A-027(TCLP) - CONCRETE CHIPS 5A-058 - CONCRETE CORE 5A-058(TCLP) - CONCRETE CORE 5A-059 - CONCRETE CORE 5A-059(TCLP) - CONCRETE CORE 5A-060 - CONCRETE CORE 5A-060(TCLP) - CONCRETE CORE	5A-027 - CONCRETE CHIPS	_____
PA 6 - Graphite Machining	_____	_____	_____
PA 7 - Hilco Oil Reclaimer	_____	_____	_____
PA 8 - South Staging (and Storage)	_____	_____	_____
PA 9 - North Staging (and Storage)	_____	_____	_____

Long dash (_____) indicates no sample taken from this process area.

27000072

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 5A - Metals Production Plant			
PA 10 - Water Treatment	5A-048 - LOOSE MEDIA 5A-049(DUP) - LOOSE MEDIA	5A-048 - LOOSE MEDIA 5A-049(DUP) - LOOSE MEDIA	_____
PA 11 - Plasma Spraying	_____	_____	_____
PA 12 - Maintenance	_____	_____	_____
Component 5B - Plant 5 Ingot Pickling			
PA 1 - Storage	_____	_____	_____
Component 5C - Plant 5 Electrical Substation			
PA 1 - Electrical Distribution	_____	_____	_____
Component 5D - West Derby Breakout/ Slag Mill			
PA 1 - Storage	_____	_____	_____
Component 5E - Plant 5 Filter Building			
PA 1 - Filter Building	_____	_____	_____
Component 5F - Plant 5 Covered Storage Pad			
PA 1 - Storage	_____	_____	_____
Component 5G - Plant 5 Ingot Storage Shelter			
PA 1 - Ingot Storage	_____	_____	_____
Component 6A - Metals Fabrication Plant			
PA 1 - Rolling Mill	6A-006 - UNKNOWN LIQUID 6A-007(DUP) - UNKNOWN LIQUID 6A-012 - LOOSE MEDIA 6A-015(TCLP) - TRANSITE	6A-006 - UNKNOWN LIQUID 6A-007(DUP) - UNKNOWN LIQUID 6A-012 - LOOSE MEDIA 6A-015(TCLP) - TRANSITE	_____
PA 2 - Machining	6A-019 - UNKNOWN LIQUID	6A-019 - UNKNOWN LIQUID	_____

Long dash (_____) indicates no sample taken from this process area.

000023

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 6A - Metals Fabrication Plant			
PA 3 - Chip Briquetting	_____	_____	_____
PA 4 - Heat Treating	_____	_____	_____
PA 5 - Vacuum Outgas Furnace	_____	_____	_____
PA 6 - Old Water Treatment	_____	_____	_____
PA 7 - Pickling	_____	_____	_____
Component 6B - Plant 6 Covered Storage Area			
PA 1 - Storage	6B-004 - UNKNOWN LIQUID	6B-004 - UNKNOWN LIQUID	_____
Component 6C - Plant 6 Electrostatic Precipitator (South)			
PA 1 - Electrostatic Precipitator	_____	_____	_____
Component 6D - Plant 6 Electrostatic Precipitator (Central)			
PA 1 - Electrostatic Precipitator	6D-003 - LOOSE MEDIA	6D-003 - LOOSE MEDIA	6D-002 - CONCRETE CHIPS 6D-003 - LOOSE MEDIA
Component 6E - Plant 6 Electrostatic Precipitator (North)			
PA 1 - Electrostatic Precipitator	_____	_____	_____
Component 6F - Plant 6 Salt Oil Heat Treat Building			
PA 1 - Salt Oil Treating	6F-010 - UNKNOWN LIQUID	6F-010 - UNKNOWN LIQUID	_____
Component 6G - Plant 6 Sump Building			
PA 1 - Water Treatment	_____	_____	_____
Component 7A - Plant 7			
PA 1 - UF6 to UF4 Process	_____	_____	_____

Long dash (_____) indicates no sample taken from this process area.

000074

7123

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 7A - Plant 7			
PA 2 - Storage	———	———	———
PA 3 - Nitrogen Generator	———	———	———
PA 4 - HF Recovery Systems	———	———	———
Component 7B - Plant 7 Overhead Crane			
PA 1 - Overhead Crane	———	———	———
Component 8A - Recovery Plant			
PA 1 - Oxidation Furnace #2	8A-007 - LOOSE MEDIA 8A-009(TCLP) - TRANSITE	8A-007 - LOOSE MEDIA 8A-009(TCLP) - TRANSITE	———
PA 2 - Oxidation Furnace #1	———	———	———
PA 3 - Graphite Furnace	———	———	———
PA 4 - Muffle Furnace	———	———	———
PA 5 - Box Furnace	8A-032 - UNKNOWN LIQUID 8A-034 - SEDIMENT	8A-032 - UNKNOWN LIQUID 8A-034 - SEDIMENT	———
PA 6 - Greensalt & ThF4 Reversion	———	———	———
PA 7 - Old Rotary Kiln	8A-044 - LOOSE MEDIA	8A-044 - LOOSE MEDIA	———
PA 8 - Ball Mill	———	———	———

Long dash (_____) indicates no sample taken from this process area.

000075

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 8A - Recovery Plant			
PA 9 - Primary Calciner	_____	_____	_____
PA 10 - Rotex Screening	_____	_____	_____
PA 11 - Williams Crushing Hammer Mill	_____	_____	_____
PA 12 - Oil Centrifuge	_____	_____	_____
PA 13 - Hydrometallurgical System, WINLO, & Water Treatmen	8A-088 - LOOSE MEDIA 8A-090 - UNKNOWN LIQUID	8A-088 - LOOSE MEDIA 8A-090 - UNKNOWN LIQUID	_____
PA 14 - UAP Furnace	_____	_____	_____
PA 15 - Thorium Storage Silo	_____	_____	_____
PA 16 - Bulk Storage Tanks	8A-101 - LOOSE MEDIA	8A-101 - LOOSE MEDIA	_____
Component 8B - Plant 8 Maintenance Building			
PA 1 - Maintenance	_____	_____	_____
Component 8C - Rotary Kiln/Drum Reconditioning			
PA 1 - Rotary Kiln	_____	_____	_____
PA 2 - Drum Reconditioning	_____	_____	_____
Component 8D - Plant 8 Railroad Filter Building			
PA 1 - Wastewater Collection	_____	_____	_____

970000

Long dash (_____) indicates no sample taken from this process area.

2123

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 8E - Drum Conveyor Shelter			
PA 1 - Shelter	_____	_____	_____
Component 8F - Plant 8 Old Drum Washer			
PA 1 - Drum Washer	_____	_____	_____
Component 9A - Special Products Plant			
PA 1 - Uranium Reduction and Derby Cleaning	9A-007 - LOOSE MEDIA	9A-007 - LOOSE MEDIA	_____
PA 2 - Enriched Uranium Casting	9A-012 - LOOSE MEDIA	9A-012 - LOOSE MEDIA	_____
PA 3 - Zirnlo Decladding	9A-020 - UNKNOWN LIQUID 9A-022 - LOOSE MEDIA	9A-020 - UNKNOWN LIQUID 9A-022 - LOOSE MEDIA	_____
PA 4 - Uranium Machining	9A-026 - UNKNOWN LIQUID 9A-028(TCLP) - TRANSITE 9A-048 - CONCRETE CHIPS 9A-048(TCLP) - CONCRETE CHIPS 9A-049 - CONCRETE CHIPS 9A-051 - CONCRETE CHIPS	9A-026 - UNKNOWN LIQUID 9A-028(TCLP) - TRANSITE 9A-048 - CONCRETE CHIPS 9A-048(TCLP) - CONCRETE CHIPS 9A-049 - CONCRETE CHIPS 9A-051 - CONCRETE CHIPS	_____
PA 5 - Triple Beta Heat Treating	_____	_____	_____
PA 6 - Scrap Metal Pickling	_____	_____	_____
PA 7 - Briquetting	_____	_____	_____
PA 8 - Internal and External Remelt Furnaces	_____	_____	_____

Long dash (_____) indicates no sample taken from this process area.

240000

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 9A - Special Products Plant			
PA 9 - Thorium Metal	_____	_____	_____
Component 9B - Plant 9 Sump Treatment Facility			
PA 1 - Sump Treatment	9B-003A - CONCRETE CORE 9B-004A - CONCRETE CORE 9B-005A - CONCRETE CORE 9B-008A - MASONRY CHIPS	9B-003A - CONCRETE CORE 9B-004A - CONCRETE CORE 9B-005A - CONCRETE CORE 9B-008A - MASONRY CHIPS	_____
Component 9C - Plant 9 Dust Collector			
PA 1 - Dust Collector	_____	_____	_____
Component 9D - Plant 9 Substation			
PA 1 - Electrical Substation	_____	_____	9D-003 - CONCRETE CHIPS
Component 9E - Plant 9 Cylinder Shed			
PA 1 - Storage	_____	_____	_____
Component 9F - Electrostatic Precipitator			
PA 1 - Electrostatic Precipitator	_____	_____	_____
Component 10A - Boiler Plant			
PA 1 - Steam Production	_____	_____	_____
Component 10B - Boiler Plant Maintenance Bldg.			
PA 1 - Maintenance	_____	_____	_____
Component 10C - Wet Salt Storage Bin			
PA 1 - Wet Salt Storage	_____	_____	_____
Component 10D - Cont. Oil/Graphite Burn Pad			
PA 1 - Pad	10D-004 - UNKNOWN LIQUID	10D-004 - UNKNOWN LIQUID	10D-001A - CONCRETE CORE 10D-002A - CONCRETE CORE 10D-003A - CONCRETE CORE 10D-004 - UNKNOWN LIQUID

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 10E - Utilities Heavy Equipment Building			
PA 1 - Utilities Heavy Equipment Building	_____	_____	_____
Component 11 - Service Building			
PA 1 - Laundry	_____	_____	_____
PA 2 - Maintenance	_____	_____	_____
PA 3 - Locker Room (Changing Room)	_____	_____	_____
PA 4 - Cafeteria/Kitchen	_____	_____	_____
PA 5 - Pistol Range	_____	_____	_____
Component 12A - Main Maintenance Building			
PA 1 - Decontamination and Emergency Generator Rooms	12A-037 - LOOSE MEDIA	12A-037 - LOOSE MEDIA	_____
PA 2 - Maintenance Stores and Offices	_____	_____	_____
PA 3 - Electrical and Scale Shops	_____	_____	_____
PA 4 - Paint and Carpentry Shops	_____	_____	_____
PA 5 - Instrument Shops	_____	_____	_____
PA 6 - Machine, Pipe, Millwright & Welding Shops	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 12B - Cylinder Storage Building			
PA 1 - Storage	_____	_____	_____
Component 12C - Lumber Storage Building			
PA 1 - Storage	_____	_____	_____
Component 12D - Maintenance Building Warehouse			
PA 1 - Maintenance Building Warehouse	_____	_____	_____
Component 13A - Pilot Plant Wet Side			
PA 1 - Southern Extraction	13A-015 - UNKNOWN LIQUID 13A-016 - UNKNOWN LIQUID 13A-017(DUP) - UNKNOWN LIQUID 13A-020 - LOOSE MEDIA	13A-015 - UNKNOWN LIQUID 13A-016 - UNKNOWN LIQUID 13A-017(DUP) - UNKNOWN LIQUID 13A-020 - LOOSE MEDIA	_____
PA 2 - Central	13A-041 - UNKNOWN LIQUID 13A-042 - ACID BRICK 13A-042(TCLP) - ACID BRICK 13A-044 - CONCRETE CHIPS 13A-044(TCLP) - CONCRETE CHIPS 13A-077 - CONCRETE CORE 13A-077(TCLP) - CONCRETE CORE 13A-078 - CONCRETE CORE 13A-078(TCLP) - CONCRETE CORE 13A-079 - CONCRETE CORE 13A-079(TCLP) - CONCRETE CORE 13A-080 - CONCRETE CORE 13A-080(TCLP) - CONCRETE CORE 13A-081 - CONCRETE CORE 13A-082 - CONCRETE CORE 13A-082(TCLP) - CONCRETE CORE	13A-041 - UNKNOWN LIQUID 13A-042 - ACID BRICK 13A-042(TCLP) - ACID BRICK 13A-044 - CONCRETE CHIPS 13A-044(TCLP) - CONCRETE CHIPS	_____
PA 3 - Northern	13A-064 - MASONRY CHIPS 13A-068 - ACID BRICK 13A-068R(TCLP) - ACID BRICK 13A-069 - CONCRETE CHIPS 13A-069(TCLP) - CONCRETE CHIPS 13A-070(DUP)(TCLP) - CONCRETE CHIPS 13A-073 - UNKNOWN LIQUID 13A-074 - LOOSE MEDIA	13A-064 - MASONRY CHIPS 13A-068 - ACID BRICK 13A-068R(TCLP) - ACID BRICK 13A-069 - CONCRETE CHIPS 13A-069(TCLP) - CONCRETE CHIPS 13A-070(DUP)(TCLP) - CONCRETE CHIPS 13A-073 - UNKNOWN LIQUID 13A-074 - LOOSE MEDIA	_____

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 13B - Pilot Plant Maintenance Bldg.			
PA 1 - Maintenance	_____	_____	_____
Component 13C - Sump Pump House			
PA 1 - Sump Pump	_____	_____	_____
Component 13D - Pilot Plant Thorium Tank Farm			
PA 1 - Tank Storage	13D-003 - UNKNOWN LIQUID	13D-003 - UNKNOWN LIQUID	_____
Component 14A - Administration Building			
PA 1 - Offices	_____	_____	_____
Component 14B - Building 14 EOC Generator Set			
PA 1 - Electrical Generator	_____	_____	_____
Component 15A - Laboratory			
PA 1 - Western Restricted Access	15A-010 - UNKNOWN LIQUID 15A-011(DUP) - UNKNOWN LIQUID 15A-013 - SEDIMENT	15A-010 - UNKNOWN LIQUID 15A-011(DUP) - UNKNOWN LIQUID 15A-013 - SEDIMENT	_____
PA 2 - Eastern Unrestricted Access	_____	_____	_____
PA 3 - Basement	15A-020 - UNKNOWN LIQUID	15A-020 - UNKNOWN LIQUID	_____
Component 15B - Laboratory Chemical Storage Building			
PA 1 - Laboratory Chemical Storage Building	_____	_____	_____
Component 16A - Main Electrical Station			
PA 1 - Electrical Distribution	_____	_____	16A-002A - CONCRETE CHIPS 16A-003A(DUP) - CONCRETE CHIPS
Component 16B - Electrical Substation			
PA 1 - Electrical Distribution	_____	_____	16B-004 - CONCRETE CHIPS 16B-005(DUP) - CONCRETE CHIPS

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 16C - Electrical Panels & Transformer			
PA 1 - Electrical Distribution	16C-003 - LOOSE MEDIA 16C-004 - WOOD	16C-003 - LOOSE MEDIA 16C-004 - WOOD	16C-002 - CONCRETE CHIPS 16C-003 - LOOSE MEDIA 16C-004 - WOOD
Component 16D - Main Electrical Switch House			
PA 1 - Electrical Distribution	_____	_____	_____
Component 16E - Main Electrical Transformers			
PA 1 - Electrical Distribution	_____	_____	16E-002A - CONCRETE CHIPS
Component 16F - Trailer Substation #1			
PA 1 - Electrical Distribution	_____	_____	16F-002 - CONCRETE CHIPS
Component 16G - Trailer Substation #2			
PA 1 - Electrical Distribution	_____	_____	16G-002A - CONCRETE CHIPS
Component 16H - 10-Plex North Substation			
PA 1 - 10-Plex North Substation	_____	_____	_____
Component 16J - 10-Plex South Substation			
PA 1 - 10-Plex South Substation	_____	_____	_____
Component 18A - BDN Surge Lagoon			
PA 1 - Wastewater Treatment	18A-002A - UNKNOWN LIQUID 18A-004A - UNKNOWN LIQUID 18A-005 - UNKNOWN LIQUID 18A-006 - UNKNOWN LIQUID 18A-007 - UNKNOWN LIQUID 18A-008(DUP) - UNKNOWN LIQUID 18A-011A - UNKNOWN LIQUID 18A-012 - UNKNOWN LIQUID 18A-013 - UNKNOWN LIQUID 18A-014 - UNKNOWN LIQUID 18A-015 - UNKNOWN LIQUID 18A-017 - SEDIMENT 18A-018(DUP) - SEDIMENT 18A-020 - SEDIMENT 18A-021 - SEDIMENT 18A-023 - SEDIMENT 18A-024 - SEDIMENT 18A-026 - SEDIMENT 18A-027 - SEDIMENT	18A-002A - UNKNOWN LIQUID 18A-004A - UNKNOWN LIQUID 18A-005 - UNKNOWN LIQUID 18A-006 - UNKNOWN LIQUID 18A-007 - UNKNOWN LIQUID 18A-008(DUP) - UNKNOWN LIQUID 18A-011A - UNKNOWN LIQUID 18A-012 - UNKNOWN LIQUID 18A-013 - UNKNOWN LIQUID 18A-014 - UNKNOWN LIQUID 18A-015 - UNKNOWN LIQUID 18A-017 - SEDIMENT 18A-018(DUP) - SEDIMENT 18A-020 - SEDIMENT 18A-021 - SEDIMENT 18A-023 - SEDIMENT 18A-024 - SEDIMENT 18A-026 - SEDIMENT 18A-027 - SEDIMENT	18A-006 - UNKNOWN LIQUID

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Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 18B - General Sump			
PA 1 - Wastewater Treatment	18B-006 - LOOSE MEDIA	18B-006 - LOOSE MEDIA	_____
	18B-007(DUP) - LOOSE MEDIA	18B-007(DUP) - LOOSE MEDIA	
Component 18C - Coal Pile Runoff Basin			
PA 1 - Runoff Collection	18C-002 - UNKNOWN LIQUID	18C-002 - UNKNOWN LIQUID	_____
	18C-003(DUP) - UNKNOWN LIQUID	18C-003(DUP) - UNKNOWN LIQUID	
	18C-004 - SEDIMENT	18C-004 - SEDIMENT	
	18C-005(DUP) - SEDIMENT	18C-005(DUP) - SEDIMENT	
	18C-008 - UNKNOWN LIQUID	18C-008 - UNKNOWN LIQUID	
	18C-009(DUP) - UNKNOWN LIQUID	18C-009(DUP) - UNKNOWN LIQUID	
	18C-011 - SEDIMENT	18C-011 - SEDIMENT	
	18C-012(DUP) - SEDIMENT	18C-012(DUP) - SEDIMENT	
Component 18D - Biodenitrification Towers			
PA 1 - High Nitrate Wastewater Treatment	_____	_____	_____
Component 18E - Storm Water Retention Basin			
PA 1 - Stormwater Storage	18E-001 - UNKNOWN LIQUID	18E-001 - UNKNOWN LIQUID	_____
	18E-002(DUP) - UNKNOWN LIQUID	18E-002(DUP) - UNKNOWN LIQUID	
	18E-006 - SEDIMENT	18E-006 - SEDIMENT	
	18E-007 - SEDIMENT	18E-007 - SEDIMENT	
	18E-010 - UNKNOWN LIQUID	18E-010 - UNKNOWN LIQUID	
	18E-012 - SEDIMENT	18E-012 - SEDIMENT	
	18E-013 - SEDIMENT	18E-013 - SEDIMENT	
	18E-016 - UNKNOWN LIQUID	18E-016 - UNKNOWN LIQUID	
	18E-017(DUP) - UNKNOWN LIQUID	18E-017(DUP) - UNKNOWN LIQUID	
	18E-021 - SEDIMENT	18E-021 - SEDIMENT	
	18E-023 - UNKNOWN LIQUID	18E-023 - UNKNOWN LIQUID	
	18E-025 - SEDIMENT	18E-025 - SEDIMENT	
	18E-027 - UNKNOWN LIQUID	18E-027 - UNKNOWN LIQUID	
	18E-029 - SEDIMENT	18E-029 - SEDIMENT	
Component 18G - Clearwell Pump House			
PA 1 - Clearwell Runoff Pump	_____	_____	18G-003A - CONCRETE CHIPS

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 18H - BDN Effluent Treatment Facility			
PA 1 - BDN Effluent Treatment	_____	_____	_____
Component 18J - Methanol Tank			
PA 1 - Storage	18J-003 - UNKNOWN LIQUID	18J-003 - UNKNOWN LIQUID	_____
Component 18K - Low Nitrate Tank			
PA 1 - Wastewater Storage	18K-001 - UNKNOWN LIQUID 18K-003 - SEDIMENT	18K-001 - UNKNOWN LIQUID 18K-003 - SEDIMENT	_____
Component 18L - High Nitrate Tank			
PA 1 - Wastewater Storage	18L-001 - UNKNOWN LIQUID 18L-003 - SEDIMENT	18L-001 - UNKNOWN LIQUID 18L-003 - SEDIMENT	_____
Component 18M - High Nitrate Storage Tank			
PA 1 - High Nitrate Storage	_____	_____	_____
Component 18P - Dissolved Oxygen Building			
PA 1 - Dissolved Oxygen Building	_____	_____	_____
Component 18Q - IAWWT Valve House			
PA 1 - IAWWT Valve House	_____	_____	_____
Component 19A - Main Tank Farm			
PA 1 - Liquid Storage	_____	_____	_____
Component 19B - Pilot Plant Ammonia Tank Farm			
PA 1 - Ammonia Storage	_____	_____	_____
Component 19C - Tank Farm Control House			
PA 1 - Offices	_____	_____	_____
Component 19D - Old North Tank Farm			
PA 1 - Bulk Storage	_____	_____	_____
PA 2 - Sump	19D-013 - UNKNOWN LIQUID	19D-013 - UNKNOWN LIQUID	_____

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Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 19E - Tank Farm Lime Slitter Building			
PA 1 - Tank Farm Lime Slitter Building	_____	_____	_____
Component 20A - Pump Station & Power Center			
PA 1 - Pump Station	_____	_____	_____
Component 20B - Water Plant			
PA 1 - Water Treatment	_____	_____	_____
Component 20C - Cooling Towers			
PA 1 - Cooling Towers	_____	_____	_____
Component 20D - Elevated Potable Storage Tank			
PA 1 - Water Storage	_____	_____	_____
Component 20E - Well House #1			
PA 1 - Pump Station	_____	_____	_____
Component 20F - Well House #2			
PA 1 - Pump Station	_____	_____	_____
Component 20G - Well House #3			
PA 1 - Pump Station	_____	_____	_____
Component 20H - Process Water Storage Tank			
PA 1 - Water Storage	_____	_____	_____
Component 22A - Gas Meter Building			
PA 1 - Gas Meter	_____	_____	_____
Component 22B - Storm Sewer Lift Station			
PA 1 - Runoff Pumps	_____	_____	_____
Component 22C - Truck Scale			
PA 1 - Scale	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 22D - Scale House & Weigh Scale			
PA 1 - Scale	_____	_____	_____
Component 22E - Utility Trench to Pit Area			
PA 1 - Material Handling	22E-005 - UNKNOWN LIQUID 22E-007 - SEDIMENT	22E-005 - UNKNOWN LIQUID 22E-007 - SEDIMENT	_____
Component 23 - Meteorological Tower			
PA 1 - Meteorological Tower	_____	_____	_____
Component 24A - Railroad Scale House			
PA 1 - Scale	_____	_____	_____
Component 24B - Railroad Engine House			
PA 1 - Engine Storage	_____	_____	_____
Component 25A - Chlorination Building			
PA 1 - Chlorine Treatment	_____	_____	_____
Component 25B - M.H.#175/Eff. Line/Sampling Bldg.			
PA 1 - Manhole 175	_____	_____	_____
PA 2 - Effluent	_____	_____	_____
Component 25C - Sewage Lift Station Building			
PA 1 - Waste Pumps	_____	_____	_____
Component 25D - U.V. Disinfection Building			
PA 1 - U.V. Disinfection	_____	_____	_____
Component 25E - Digester & Control Building			
PA 1 - Digester	_____	_____	_____
Component 25F - Sludge Drying Beds			
PA 1 - Sludge Drying	25F-003 - UNKNOWN LIQUID 25F-005 - SEDIMENT	25F-003 - UNKNOWN LIQUID 25F-005 - SEDIMENT	_____

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Long dash (_____) indicates no sample taken from this process area.

000086

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 25G - Primary Settling Basins			
PA 1 - Settling	25G-007 - UNKNOWN LIQUID 25G-009 - SEDIMENT	25G-007 - UNKNOWN LIQUID 25G-009 - SEDIMENT	_____
Component 25H - Trickling Filters			
PA 1 - Sewage Treatment	25H-005 - UNKNOWN LIQUID	25H-005 - UNKNOWN LIQUID	_____
Component 25J - 10-Plex Sewage Lift Station			
PA 1 - 10-Plex Sewage Lift Station	_____	_____	_____
Component 26A - Pump House-HP Fire Protection			
PA 1 - Water Pumps	_____	_____	_____
Component 26B - Elevated Water Storage Tank			
PA 1 - Water Storage	_____	_____	_____
Component 26C - Main Electrical Strainer House			
PA 1 - Electrical Deluge System	26C-007 - UNKNOWN LIQUID	26C-007 - UNKNOWN LIQUID	_____
Component 28A - Security Building			
PA 1 - Security Area	_____	_____	_____
Component 28B - Human Resources Building			
PA 1 - Offices	_____	_____	_____
Component 28C - Guard Post on South End of 'D'			
PA 1 - Security	_____	_____	_____
Component 28D - Guard Post on West End of 2nd			
PA 1 - Security	_____	_____	_____
Component 28E - Guard Post of T-81			
PA 1 - Guard Post of T-81	_____	_____	_____
Component 28F - Skeet Range Building			
PA 1 - Trap House	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 28G - Guard Post South of Building			
PA 1 - Guard Post South of Building	_____	_____	_____
Component 30A - Chemical Warehouse			
PA 1 - North Restricted Access Area	_____	_____	_____
PA 2 - South Unrestricted Access Area	_____	_____	_____
PA 3 - Loading Docks	_____	_____	_____
Component 30B - Drum Storage Warehouse			
PA 1 - Storage	_____	_____	_____
Component 30C - Old Ten Ton Scale			
PA 1 - Scale	_____	_____	_____
Component 31A - Engine House/Garage			
PA 1 - Garage	31A-007 - LOOSE MEDIA 31A-008 - UNKNOWN LIQUID 31A-009 - UNKNOWN LIQUID 31A-010 - UNKNOWN LIQUID	31A-007 - LOOSE MEDIA 31A-008 - UNKNOWN LIQUID 31A-009 - UNKNOWN LIQUID 31A-010 - UNKNOWN LIQUID	_____
Component 31B - Old Truck Scale			
PA 1 - Platform	_____	_____	_____
Component 32A - Magnesium Storage Building			
PA 1 - Storage	_____	_____	_____
Component 32B - Building 32 Covered Loading Dock			
PA 1 - Loading Dock	_____	_____	_____
Component 37 - Pilot Plant Annex			
PA 1 - East Wall Processes	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 37 - Pilot Plant Annex			
PA 2 - Plasma Furnace	_____	_____	_____
PA 3 - P-2 Furnace	_____	_____	_____
PA 4 - NuSal Heat Treat Furnace	_____	_____	_____
PA 5 - West Wall Processes	_____	_____	_____
PA 6 - Southeast Processes	37-023 - UNKNOWN LIQUID	37-023 - UNKNOWN LIQUID	_____
PA 7 - Outside Areas	37-031 - UNKNOWN LIQUID 37-034 - UNKNOWN LIQUID	37-031 - UNKNOWN LIQUID 37-034 - UNKNOWN LIQUID	_____
Component 38A - Propane Storage			
PA 1 - Storage	_____	_____	_____
Component 38B - Cylinder Filling Station			
PA 1 - Cylinder Filling	_____	_____	_____
Component 39A - Incinerator Building			
PA 1 - Drum Dryer	39A-011 - UNKNOWN LIQUID 39A-013 - LOOSE MEDIA	39A-011 - UNKNOWN LIQUID 39A-013 - LOOSE MEDIA	_____
PA 2 - Trash Baler	_____	_____	_____
PA 3 - Liquid Waste Incinerator	39A-015(TCLP) - TRANSITE 39A-016(DUP)(TCLP) - TRANSITE	39A-015(TCLP) - TRANSITE 39A-016(DUP)(TCLP) - TRANSITE	39A-024A - CONCRETE CORE 39A-025A - CONCRETE CORE 39A-026A - CONCRETE CORE

680000

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 39A - Incinerator Building			
PA 4 - Solid Waste Incinerator	_____	_____	_____
Component 39B - Waste Oil Decant Shelter			
PA 1 - Oil-Water Separation	39B-006 - UNKNOWN LIQUID 39B-007 - LOOSE MEDIA	39B-006 - UNKNOWN LIQUID 39B-007 - LOOSE MEDIA	_____
Component 39C - Incinerator Sprinkler Riser House			
PA 1 - Fire Protection	_____	_____	_____
Component 39D - Sewage Treatment Plant Incinerator			
PA 1 - Incinerator	_____	_____	39D-007 - CONCRETE CHIPS
Component 45A - Rust Engineering Building			
PA 1 - Offices	_____	_____	_____
Component 45B - Utility Shed East of Rust Trailers			
PA 1 - Storage	_____	_____	_____
Component 46 - Heavy Equipment Building			
PA 1 - Heavy Equipment Storage	46-006 - SEDIMENT 46-007 - UNKNOWN LIQUID	46-006 - SEDIMENT 46-007 - UNKNOWN LIQUID	_____
Component 51 - Six to Four Reduction Facility #2			
PA 1 - Storage	_____	_____	_____
Component 53A - Health & Safety Building			
PA 1 - Medical Services	_____	_____	_____
PA 2 - Offices	_____	_____	_____
PA 3 - Security Communications	_____	_____	_____
Component 53B - In-Vivo Building			
PA 1 - In-Vivo	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 54A - Six to Four Reduction Facility #1			
PA 1 - Autoclave Area	_____	_____	_____
PA 2 - UF6 Reduction Reactors	_____	_____	_____
PA 3 - AHF Recovery	_____	_____	_____
PA 4 - DHF Recovery	_____	_____	_____
PA 5 - Thorium Derby Production	_____	_____	_____
PA 6 - Derby/Saw Sampling	_____	_____	_____
PA 7 - P-1 Furnace Room	_____	_____	_____
PA 8 - PLT Furnace	_____	_____	_____
Component 54B - Pilot Plant Shelter			
PA 1 - Drum Storage	_____	_____	_____
Component 54C - Pilot Plant Diasociator Shelter			
PA 1 - Ammonia Dissociation	54C-004 - LOOSE MEDIA	54C-004 - LOOSE MEDIA	_____
Component 55A - Slag Recycling Building			
PA 1 - Storage	_____	_____	_____
Component 55B - Slag Recycling Pit/Elevator			
PA 1 - Slag Processing	55B-005 - LOOSE MEDIA 55B-006 - UNKNOWN LIQUID	55B-005 - LOOSE MEDIA 55B-006 - UNKNOWN LIQUID	_____

1500054

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 56A - CP Storage Warehouse			
PA 1 - Storage	_____	_____	_____
Component 56B - Storage Shed (West)			
PA 1 - Storage	_____	_____	_____
Component 56C - Storage Shed (East)			
PA 1 - Storage	_____	_____	_____
Component 60 - Quonset Hut #1			
PA 1 - Drum Storage	_____	_____	_____
Component 61 - Quonset Hut #2			
PA 1 - Storage	_____	_____	_____
Component 62 - Quonset Hut #3			
PA 1 - Storage	_____	_____	62-003 - CONCRETE CHIPS
Component 63 - KC-2 Warehouse			
PA 1 - Storage	_____	_____	_____
Component 64 - Thorium Warehouse			
PA 1 - Thorium Overpacking	_____	_____	_____
PA 2 - Drum Storage	_____	_____	_____
Component 65 - (Old) Plant 5 Warehouse			
PA 1 - Drum Storage	_____	_____	_____
Component 66 - Drum Reconditioning Building			
PA 1 - Shot Blasting	_____	_____	_____
PA 2 - Painting	66-010 - LOOSE MEDIA	66-010 - LOOSE MEDIA	_____

250000

Long dash (_____) indicates no sample taken from this process area.

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Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 66 - Drum Reconditioning Building			
PA 3 - Drum Baling	66-017-L - UNKNOWN LIQUID 66-017-O - OIL	66-017 - UNKNOWN LIQUID	_____
PA 4 - Solvent Storage	_____	_____	_____
Component 67 - Plant 1 Thorium Warehouse			
PA 1 - Thorium Storage	_____	_____	_____
Component 68 - Pilot Plant Warehouse			
PA 1 - Storage	_____	_____	_____
Component 69 - Decontamination Building			
PA 1 - Decontamination	69-009 - UNKNOWN LIQUID 69-012 - SLUDGE	69-009 - UNKNOWN LIQUID 69-012 - SLUDGE	_____
Component 71 - General In-Process Warehouse			
PA 1 - Isotopic Verification	_____	_____	_____
PA 2 - Storage	_____	_____	_____
Component 72 - Drum Storage Building			
PA 1 - Storage	_____	_____	_____
Component 73A - Fire Brigade Training Center Bldg.			
PA 1 - Training	_____	_____	_____
Component 73B - Fire Training Pond			
PA 1 - Fire Training	_____	_____	_____
Component 73C - Fire Training Tank			
PA 1 - Tank	_____	_____	_____
Component 73D - Fire Training Burn Trough			
PA 1 - Fire Training	_____	_____	_____

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Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 73E - Confined Space Burn Tank			
PA 1 - Tank	_____	_____	_____
Component 74A - Plant 2 East Pad			
PA 1 - Storage	74A-003 - UNKNOWN LIQUID	74A-003 - UNKNOWN LIQUID	_____
Component 74B - Plant 2 West Pad			
PA 1 - Storage	_____	_____	_____
Component 74C - Plant 8 East Pad			
PA 1 - Storage	74C-003 - LOOSE MEDIA 74C-004 - UNKNOWN LIQUID	74C-003 - LOOSE MEDIA 74C-004 - UNKNOWN LIQUID	_____
Component 74D - Plant 8 West Pad			
PA 1 - Storage	74D-003 - UNKNOWN LIQUID 74D-005 - LOOSE MEDIA	74D-003 - UNKNOWN LIQUID 74D-005 - LOOSE MEDIA	_____
Component 74E - Plant 4 Pad			
PA 1 - Storage	_____	_____	_____
Component 74F - Plant 7 Pad			
PA 1 - Storage	_____	_____	_____
Component 74G - Plant 5 East Pad			
PA 1 - Storage	74G-005 - UNKNOWN LIQUID 74G-006(DUP) - UNKNOWN LIQUID 74G-008 - LOOSE MEDIA	74G-005 - UNKNOWN LIQUID 74G-006(DUP) - UNKNOWN LIQUID 74G-008 - LOOSE MEDIA	_____
Component 74H - Plant 5 South Pad			
PA 1 - Storage	_____	_____	_____
Component 74J - Plant 6 Pads			
PA 1 - Storage	_____	_____	_____
Component 74K - Plant 9 Pad			
PA 1 - Storage	_____	_____	_____

000094

09/06/95 - Draft L.1- 83

Long dash (_____) indicates no sample taken from this process area.

7173

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 74L - Building 65 West Pad			
PA 1 - Storage	_____	_____	_____
Component 74M - Building 64 East Pad & R.R. Dock			
PA 1 - Storage	_____	_____	_____
Component 74N - Building 12 North Pad			
PA 1 - Storage	74N-004 - LOOSE MEDIA	74N-004 - LOOSE MEDIA	_____
Component 74P - Decontamination Pad			
PA 1 - Decontamination	_____	_____	_____
PA 2 - Scrap Pile Storage	_____	_____	_____
Component 74Q - Plant 8 Old Metal Dissolver Pad			
PA 1 - Metal Dissolver	74Q-005 - UNKNOWN LIQUID 74Q-007 - LOOSE MEDIA	74Q-005 - UNKNOWN LIQUID 74Q-007 - LOOSE MEDIA	_____
Component 74R - Plant 8 North Pad			
PA 1 - Storage	74R-007 - UNKNOWN LIQUID 74R-009 - LOOSE MEDIA	74R-007 - UNKNOWN LIQUID 74R-009 - LOOSE MEDIA	_____
Component 74S - Building 63 West Pad			
PA 1 - Storage	_____	_____	74S-002 - CONCRETE CHIPS
Component 74T - Plant 1 Storage Pad			
PA 1 - New Drum Storage	74T-003A - CONCRETE CHIPS 74T-003A(TCLP) - CONCRETE CHIPS 74T-005 - UNKNOWN LIQUID 74T-012 - SEDIMENT 74T-013 - UNKNOWN LIQUID 74T-017 - LOOSE MEDIA 74T-019 - LOOSE MEDIA	74T-003A - CONCRETE CHIPS 74T-003A(TCLP) - CONCRETE CHIPS 74T-005 - UNKNOWN LIQUID 74T-012 - SEDIMENT 74T-013 - UNKNOWN LIQUID 74T-017 - LOOSE MEDIA 74T-019 - LOOSE MEDIA	_____
PA 2 - Copper Shredder/Drum Straightening	_____	_____	_____

0000095

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 74T - Plant 1 Storage Pad			
PA 3 - Copper Pile Storage	_____	_____	_____
PA 4 - Old Drum Storage	_____	_____	_____
Component 74U - Pilot Plant Pad			
PA 1 - Storage	_____	_____	_____
Component 74V - Laboratory Pad			
PA 1 - Storage	_____	_____	_____
Component 74W - Building 39A Pad			
PA 1 - Incinerator Building Pad	74W-005 - UNKNOWN LIQUID	74W-005 - UNKNOWN LIQUID	_____
Component 77 - Finished Products Warehouse (4A)			
PA 1 - Storage	_____	_____	_____
Component 78 - D & D Building (Under Constr.)			
PA 1 - Decontamination	_____	_____	_____
Component 79 - Plant 6 Warehouse			
PA 1 - Drum Storage	_____	_____	_____
Component 80 - Plant 8 Warehouse			
PA 1 - Storage	_____	_____	_____
Component 81 - Plant 9 Warehouse			
PA 1 - Drum Storage	_____	_____	_____
Component 82 - Receiving/Incoming Mat'ls. Inspection			
PA 1 - Receiving	_____	_____	_____
Component 88 - Clearwell Line			
PA 1 - Water Handling	88-001 - UNKNOWN LIQUID	88-001 - UNKNOWN LIQUID	_____

000096

09/06/95 - Draft L.1-85

Long dash (_____) indicates no sample taken from this process area.

7173

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component 89 - Parking Lot			
PA 1 - Parking	_____	_____	_____
Component G1 - Railroad Tracks			
PA 1 - Railroad Tracks	_____	_____	_____
Component G2 - Roads			
PA 1 - Roads	G02-001 - ASPHALT G02-004 - ASPHALT	G02-001 - ASPHALT G02-004 - ASPHALT	G02-001 - ASPHALT G02-004 - ASPHALT
Component G3 - Storm Sewer System			
PA 1 - Storm Sewers	G3-001 - UNKNOWN LIQUID G3-002(DUP) - UNKNOWN LIQUID	G3-001 - UNKNOWN LIQUID G3-002(DUP) - UNKNOWN LIQUID	_____
Component G4 - Utility Lines			
PA 1 - Utility Lines	_____	_____	_____
Component G5 - Underground Storage Tanks			
PA 1 - Underground Tanks	_____	_____	_____
Component G6 - Process Trailers			
PA 1 - Trailers	_____	_____	_____
Component G7 - Non-process Trailers			
PA 1 - Trailers	_____	_____	_____
Component G8 - Pipe Bridges			
PA 1 - Pipe Bridges	_____	_____	_____
Component G9 - DRUMS (NON-RCRA)			
PA 1 - Drums	_____	_____	_____
Component G10 - RCRA Drums			
PA 1 - Drums	_____	_____	_____
Component G11 - Inventory			
PA 1 - Inventory	_____	_____	_____

000057

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component G12 - Mobile Containers (Sea-Land)			
PA 1 - Containers	_____	_____	_____
Component G13 - Soil Piles			
PA 1 - East of Building 2A (SOIL PILE #1)	G13-001-V - SOIL	G13-001-S - SOIL	G13-001-P - SOIL
PA 2 - West of Decon Pad 74P (Soil pile #3)	G13-007-V - SOIL	G13-007-S - SOIL	G13-007-P - SOIL
PA 3 - South of Building 8A	_____	_____	_____
PA 4 - Southeast of Building 8A (Soil pile #2)	G13-004-V - SOIL	G13-004-S - SOIL	G13-004-P - SOIL
PA 5 - South of Building 80 (Soil pile #4)	G13-010-V - SOIL G13-011-V(DUP) - SOIL	G13-010-S - SOIL G13-011-S(DUP) - SOIL	G13-010-P - SOIL G13-011-P(DUP) - SOIL
PA 6 - South of Building 5A (Soil Pile #5)	G13-015-V - SOIL	G13-015-S - SOIL	G13-015-P - SOIL
PA 7 - North of Building 9A	_____	_____	_____
PA 8 - Between Railroad Tracks 6 & 9 (soil pile #6)	G13-019-V - SOIL G13-019S-V - SOIL	G13-019-S - SOIL G13-019S-S - SOIL	G13-019-P - SOIL G13-019S-P - SOIL
PA 9 - East of Coal Pile Runoff Basin	_____	_____	_____

000098

09/06/95 - Draft L.1- 87

Long dash (_____) indicates no sample taken from this process area.

2173

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component G13 - Soil Piles			
PA 10 - 3rd Street Dirt Pile (Soil pile #7)	G13-022-V - SOIL G13-023-V - SOIL G13-024-V - SOIL G13-025-V - SOIL	G13-022-S - SOIL G13-023-S - SOIL G13-024-S - SOIL G13-025-S - SOIL	G13-022-P - SOIL G13-023-P - SOIL G13-024-P - SOIL G13-025-P - SOIL
PA 11 - Southwest of Building 15	_____	_____	_____
PA 12 - North of Building 67	_____	_____	_____
Component P1 - Rock salt pile			
PA 1 - Rock Salt	_____	_____	_____
Component P2 - Sand piles			
PA 1 - Sand	_____	_____	_____
Component P3 - Gravel pile			
PA 1 - Gravel	_____	_____	_____
Component P4 - Copper metal scrap pile			
PA 1 - Copper	_____	_____	_____
Component P5 - Coal pile			
PA 1 - Coal Pile	_____	_____	_____
Component P6 - Scrap metal pile			
PA 1 - Scrap Metal	_____	_____	_____
Component TS1 - Tension Support Structure #1			
PA 1 - Storage	_____	_____	_____
Component TS2 - Tension Support Structure #2			
PA 1 - Storage	_____	_____	_____

0000529

Long dash (_____) indicates no sample taken from this process area.

Appendix L.1 - Data Source Table

Volatiles, Semivolatiles, & Pesticides/PCBs

	Volatile	Semivolatile	Pesticides/PCBs
Component TS3 - Tension Support Structure #3			
PA 1 - Storage	_____	_____	_____
Component TS-004 - Tension Support Structure #4			
PA 1 - Tension Support Structure #4	_____	_____	_____
Component TS-005 - Tension Support Structure #5			
PA 1 - Tension Support Structure #5	_____	_____	_____
Component TS-006 - Tension Support Structure #6			
PA 1 - Tension Support Structure #6	_____	_____	_____

0004600

Long dash (_____) indicates no sample taken from this process area.

8212 7

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				2				5			
Sample:	1A-003				1A-008				1A-018			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	-.02		NV	pCi/g	.11		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.05		UJ	pCi/g	.30	+/- .1	J	pCi/g
Lead-210	2.10	+/- .4	J	pCi/g	4.00	+/- .6	J	pCi/g	2.70	+/- .4	J	pCi/g
Neptunium-237	.39		UJ	pCi/g	.21		NV	pCi/g	.41		UJ	pCi/g
Plutonium-238	.05		UJ	pCi/g	.03		NV	pCi/g	.04		UJ	pCi/g
Plutonium-239	.06		J	pCi/g					.23		J	pCi/g
Plutonium-239/240					.05		NV	pCi/g				
Plutonium-241	1.90		J	pCi/g	1.00		NV	pCi/g	1.80		UJ	pCi/g
Polonium-210	.33		J	pCi/g	.28		NV	pCi/g	7.20		J	pCi/g
Radium-226	1.10	+/- .2	-	pCi/g	.90	+/- .1	-	pCi/g	14.10	+/- 1.7	-	pCi/g
Radium-228	.70	+/- .2	J	pCi/g	.30	+/- .2	J	pCi/g	.50	+/- .2	J	pCi/g
Strontium-90	.50		UJ	pCi/g	.50		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	40.50	+/- 8.3	J	pCi/g	5.60	+/- 1.3	J	pCi/g	7.60	+/- 1.7	J	pCi/g
Thorium-227												
Thorium-228	.86		UJ	pCi/g	.79		NV	pCi/g	.38		J	pCi/g
Thorium-230	2.40		J	pCi/g	5.30		NV	pCi/g	17.00		J	pCi/g
Thorium-232	.67		UJ	pCi/g	.44	+/- .1	NV	pCi/g	.40		J	pCi/g
Uranium, Total	420.00	+/- 59.5	J	ug/g	1250.00	+/- 178	J	ug/g	242.00	+/- 34.3	J	ug/g
Uranium-233/234												
Uranium-234	130.00		J	pCi/g	540.00		NV	pCi/g	150.00		J	pCi/g
Uranium-235	11.00		J	pCi/g					21.00		J	pCi/g
Uranium-235/236					70.00		NV	pCi/g				
Uranium-236												
Uranium-238	110.00		J	pCi/g	48.00		NV	pCi/g	810.00		J	pCi/g

000101

C9212

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	5				5				5			
Sample:	1A-019				1A-020				1A-021 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.09		UJ	pCi/g	.30		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.30	+/- .2	J	pCi/g
Lead-210	.40	+/- .1	J	pCi/g	.20	+/- .1	J	pCi/g	5.90	+/- .9	J	pCi/g
Neptunium-237	.40		UJ	pCi/g	.40		UJ	pCi/g	.16	+/- .0625	J	pCi/g
Plutonium-238	.03		UJ	pCi/g	.04		UJ	pCi/g	.01	+/- .1859	UJ	pCi/g
Plutonium-239	.04		UJ	pCi/g	.04		UJ	pCi/g				
Plutonium-239/240									.10		UJ	pCi/g
Plutonium-241	1.80		UJ	pCi/g	1.80		UJ	pCi/g			NV	pCi/g
Polonium-210	.53		J	pCi/g	.31		J	pCi/g	1.00	+/- .2	J	pCi/g
Radium-226	1.30	+/- .2	-	pCi/g	.70	+/- .1	-	pCi/g	14.50	+/- 1.8	-	pCi/g
Radium-228	.30	+/- .1	J	pCi/g	.40	+/- .2	J	pCi/g	.40	+/- .2	J	pCi/g
Strontium-90	.70	+/- .6	J	pCi/g	.40	+/- .5	R	pCi/g	.70	+/- .5	J	pCi/g
Technetium-99	.60	+/- .4	J	pCi/g	10.50	+/- 2.3	J	pCi/g	5.20	+/- 1.2	J	pCi/g
Thorium-227												
Thorium-228	.24		J	pCi/g	.20		J	pCi/g	.45	+/- .2776	J	pCi/g
Thorium-230	1.50		J	pCi/g	.81		J	pCi/g	20.32	+/- 5.796	J	pCi/g
Thorium-232	.24		J	pCi/g	.21		J	pCi/g	.31	+/- .24	J	pCi/g
Uranium, Total	8.70	+/- 1.2	J	ug/g	56.30	+/- 8	J	ug/g	186.00	+/- 26.3	J	ug/g
Uranium-233/234												
Uranium-234	2.20		J	pCi/g	15.00		J	pCi/g	383.00	+/- 89.08	J	pCi/g
Uranium-235	.22		J	pCi/g	2.10		J	pCi/g				
Uranium-235/236									74.77	+/- 25.18	J	pCi/g
Uranium-236												
Uranium-238	3.40		J	pCi/g	16.00		J	pCi/g	610.70	+/- 132.1	J	pCi/g

00960

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	6				6				6			
Sample:	1A-024				1A-025				1A-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.23		NV	pCi/g	-.07		NV	pCi/g	-.05		NV	pCi/g
Cesium-137	.30	+/- .2	J	pCi/g	.10		UJ	pCi/g	.10	+/- 0	J	pCi/g
Lead-210	3.20	+/- .5	J	pCi/g	.07	+/- .13	UJ	pCi/g	.10		UJ	pCi/g
Neptunium-237	.23		NV	pCi/g					.03		NV	pCi/g
Plutonium-238	.03		NV	pCi/g	-.02		NV	pCi/g	.00		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.90		NV	pCi/g	.06		NV	pCi/g	.02		NV	pCi/g
Plutonium-241	2.80		NV	pCi/g	.71		NV	pCi/g	.88		NV	pCi/g
Polonium-210	2.90		NV	pCi/g	.53		NV	pCi/g	.50		NV	pCi/g
Radium-226	8.00	+/- 1	-	pCi/g	.70	+/- .1	-	pCi/g	.90	+/- .1	-	pCi/g
Radium-228	.50	+/- .2	J	pCi/g	.20		UJ	pCi/g	.60	+/- .2	J	pCi/g
Strontium-90	.70		UJ	pCi/g	.40		UJ	pCi/g	1.80		UJ	pCi/g
Technetium-99	29.60	+/- 6.1	J	pCi/g	7.00	+/- 1.6	J	pCi/g	1.30	+/- .5	J	pCi/g
Thorium-227												
Thorium-228	.94		NV	pCi/g	.32		NV	pCi/g	.56		NV	pCi/g
Thorium-230	68.00		NV	pCi/g	3.10		NV	pCi/g	1.70		NV	pCi/g
Thorium-232	1.00		NV	pCi/g	.13		NV	pCi/g	.28		NV	pCi/g
Uranium, Total	294.00	+/- 41.6	J	ug/g	10.20	+/- 1.4	J	ug/g	4.80	+/- .7	J	ug/g
Uranium-233/234												
Uranium-234					2.30		NV	pCi/g	1.10		NV	pCi/g
Uranium-235												
Uranium-235/236					.21		NV	pCi/g	.11		NV	pCi/g
Uranium-236												
Uranium-238					4.50		NV	pCi/g	1.40		NV	pCi/g

0001603

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	7
Sample:	1A-031

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/g
Cesium-137	.20		UJ	pCi/g
Lead-210	8.50	+/- 1.3	J	pCi/g
Neptunium-237	.40		UJ	pCi/g
Plutonium-238	1.40		J	pCi/g
Plutonium-239	.06		J	pCi/g
Plutonium-239/240				
Plutonium-241	1.80		UJ	pCi/g
Polonium-210	.24		J	pCi/g
Radium-226	3.90	+/- .5	-	pCi/g
Radium-228	.30	+/- .2	J	pCi/g
Strontium-90	.50		UJ	pCi/g
Technetium-99	2.50	+/- .7	J	pCi/g
Thorium-227				
Thorium-228	5.60		R	pCi/g
Thorium-230	25.00		R	pCi/g
Thorium-232	4.00		R	pCi/g
Uranium, Total	991.00	+/- 140	J	ug/g
Uranium-233/234				
Uranium-234	290.00		J	pCi/g
Uranium-235	22.00		J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	320.00		J	pCi/g

000264

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	2A-003				2A-004				2A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	2.58	+/- .36	J	pCi/g	.08		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	3.61	+/- .35	J	pCi/g	4.68	+/- .39	J	pCi/g	.32		UJ	pCi/g
Lead-210	2.86	+/- .54	-	pCi/g	.57	+/- .45	J	pCi/g	.71	+/- .4	J	pCi/g
Neptunium-237	3.50	+/- .48	NV	pCi/g	.27	+/- .19	NV	pCi/g	.13		NV	pCi/g
Plutonium-238	1.35	+/- .19	J	pCi/g	.25	+/- .089	J	pCi/g	.07	+/- .05	J	pCi/g
Plutonium-239												
Plutonium-239/240	21.60	+/- 1.8	J	pCi/g	.27	+/- .08	J	pCi/g	.03	+/- .022	J	pCi/g
Plutonium-241	96.50	+/- 21	NV	pCi/g	16.10	+/- 19	NV	pCi/g				
Polonium-210	.67	+/- .23	J	pCi/g	.59	+/- .33	J	pCi/g	.58	+/- .28	J	pCi/g
Radium-226	6.84	+/- 1	J	pCi/g	1.28	+/- .24	J	pCi/g	.66	+/- .14	-	pCi/g
Radium-228	5.15	+/- 1.1	J	pCi/g	1.49	+/- .74	J	pCi/g	2.04	+/- .81	-	pCi/g
Strontium-90	5.12	+/- .83	-	pCi/g	2.28	+/- .54	-	pCi/g	.62		UJ	pCi/g
Technetium-99	214.00	+/- 66	J	pCi/g	66.70	+/- 20	J	pCi/g	8.97	+/- 2.4	J	pCi/g
Thorium-227												
Thorium-228	10.20	+/- 2.5	J	pCi/g	1.08	+/- .22	J	pCi/g	.19	+/- .097	J	pCi/g
Thorium-230	133.00	+/- 31	J	pCi/g	8.08	+/- 1.5	J	pCi/g	.99	+/- .26	J	pCi/g
Thorium-232	3.07	+/- .89	J	pCi/g	1.03	+/- .21	J	pCi/g	.18	+/- .084	-	pCi/g
Uranium, Total	13900.00	+/- 170	J	ug/g	1180.00	+/- 15	J	ug/g	67.10	+/- .82	J	ug/g
Uranium-233/234												
Uranium-234	11200.00	+/- 2100	J	pCi/g	1130.00	+/- 200	J	pCi/g	124.00	+/- 22	J	pCi/g
Uranium-235												
Uranium-235/236	579.00	+/- 130	J	pCi/g	55.10	+/- 10	J	pCi/g	6.60	+/- 1.3	J	pCi/g
Uranium-236												
Uranium-238	7170.00	+/- 1400	J	pCi/g	669.00	+/- 120	J	pCi/g	55.60	+/- 10	J	pCi/g

000105

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				STEEL COATINGS				ACID BRICK			
Depth:									0-.5"			
Process Area:	1				1				1			
Sample:	2A-006R				2A-007R DUP				2A-010A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.92	+/- .39	J	pCi/g	1.80	+/- .27	J	pCi/g	.39	+/- .082	J	pCi/g
Cesium-137	.61		UJ	pCi/g	.47		UJ	pCi/g	.77	+/- .17	-	pCi/g
Lead-210	11.00	+/- 1.1	J	pCi/g	12.20	+/- 1.2	J	pCi/g	383.00	+/- 23	J	pCi/g
Neptunium-237	1.39	+/- .31	J	pCi/g	1.44	+/- .28	-	pCi/g	.18		UJ	pCi/g
Plutonium-238	2.70	+/- .3	J	pCi/g	2.15	+/- .25	J	pCi/g	.17		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	16.60	+/- 1.4	J	pCi/g	13.70	+/- 1.1	J	pCi/g	.09		UJ	pCi/g
Plutonium-241	82.60		-	pCi/g	71.00		-	pCi/g	22.30		NV	pCi/g
Polonium-210	14.20	+/- 2.5	J	pCi/g	12.20	+/- 2.1	J	pCi/g	671.00	+/- 43	J	pCi/g
Radium-226	40.50	+/- 5.6	J	pCi/g	40.70	+/- 5.7	J	pCi/g	530.00	+/- 79	-	pCi/g
Radium-228	12.90	+/- 2.7	J	pCi/g	13.00	+/- 2.6	J	pCi/g	2.90	+/- 1.1	-	pCi/g
Strontium-90	1.55	+/- 1	J	pCi/g	.62		UJ	pCi/g	.47		UJ	pCi/g
Technetium-99	320.00	+/- 31	J	pCi/g	401.00	+/- 39	J	pCi/g	42.00	+/- 12	-	pCi/g
Thorium-227												
Thorium-228	17.20	+/- 4.6	J	pCi/g	18.90	+/- 4.6	J	pCi/g	21.70	+/- 4.2	J	pCi/g
Thorium-230	543.00	+/- 130	J	pCi/g	551.00	+/- 120	J	pCi/g	216.00	+/- 40	J	pCi/g
Thorium-232	12.30	+/- 3.4	J	pCi/g	13.20	+/- 3.3	J	pCi/g	9.12	+/- 1.8	J	pCi/g
Uranium, Total	39400.00	+/- 910	-	ug/g	38000.00	+/- 880	-	ug/g	2850.00	+/- 79	-	ug/g
Uranium-233/234	10200.00	+/- 2000	J	pCi/g	8350.00	+/- 1000	J	pCi/g				
Uranium-234									1300.00	+/- 88	J	pCi/g
Uranium-235												
Uranium-235/236	556.00	+/- 120	J	pCi/g	446.00	+/- 77	J	pCi/g	59.40	+/- 5.6	J	pCi/g
Uranium-236												
Uranium-238	8490.00	+/- 1600	J	pCi/g	7120.00	+/- 890	J	pCi/g	1240.00	+/- 84	J	pCi/g

009406

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	ACID BRICK				ACID BRICK				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	2A-015 (TCLP)				2A-016 (TCLP) DUP				2A-018 (TCLP)			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.96	+/- .43	J	pCi/L	.76	+/- .34	-	pCi/L	.30		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L	10.80	+/- 2.1	-	pCi/L	2.15	+/- 1.8	J	pCi/L
Lead-210	1010.00	+/- 63	J	pCi/L	672.00	+/- 42	J	pCi/L	30.20	+/- 4	J	pCi/L
Neptunium-237	7.50		UJ	pCi/L	14.00		UJ	pCi/L	7.30		UJ	pCi/L
Plutonium-238	.84		UJ	pCi/L	1.30		UJ	pCi/L	.39		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.84		UJ	pCi/L	1.00		UJ	pCi/L	.39		UJ	pCi/L
Plutonium-241	367.00		NV	pCi/L	327.00		NV	pCi/L				
Polonium-210	62.40	+/- 13	J	pCi/L	97.90	+/- 19	J	pCi/L	1.80		UJ	pCi/L
Radium-226	374.00	+/- 58	J	pCi/L	250.00	+/- 40	J	pCi/L	56.80	+/- 20	J	pCi/L
Radium-228	2.80	+/- 1	J	pCi/L	2.05	+/- .99	J	pCi/L	2.05	+/- .99	J	pCi/L
Strontium-90	1.10		UJ	pCi/L	1.74	+/- 1	J	pCi/L	1.79	+/- .63	-	pCi/L
Technetium-99	1120.00	+/- 380	-	pCi/L	2080.00	+/- 660	-	pCi/L	297.00	+/- 130	-	pCi/L
Thorium-227												
Thorium-228	2.70		UJ	pCi/L	2.91	+/- 1.2	J	pCi/L	5.40		UJ	pCi/L
Thorium-230	13.20	+/- 4	J	pCi/L	18.40	+/- 4.6	J	pCi/L	4.94	+/- 3.5	J	pCi/L
Thorium-232	1.10		UJ	pCi/L	.63		UJ	pCi/L	3.70		UJ	pCi/L
Uranium, Total	130000.00	+/- 1600	J	ug/L	89000.00	+/- 1100	J	ug/L	36000.00	+/- 430	-	ug/L
Uranium-233/234												
Uranium-234	74900.00	+/- 24000	J	pCi/L	51400.00	+/- 14000	J	pCi/L	28700.00	+/- 9000	J	pCi/L
Uranium-235												
Uranium-235/236	5350.00	+/- 1800	J	pCi/L	1920.00	+/- 600	J	pCi/L	1830.00	+/- 650	J	pCi/L
Uranium-236												
Uranium-238	64900.00	+/- 20000	J	pCi/L	43300.00	+/- 12000	J	pCi/L	16100.00	+/- 5000	J	pCi/L

000107

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	1				2				2			
Sample:	2A-019(TCLP) DUP				2A-022				2A-023			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.34		UJ	pCi/L	.13		J	pCi/g	.16		J	pCi/g
Cesium-137	2.10		UJ	pCi/L	.60	+/- .4	J	pCi/g	.10	+/- .1	J	pCi/g
Lead-210	16.00	+/- 3.4	J	pCi/L	3.10	+/- .6	J	pCi/g	.60	+/- .3	J	pCi/g
Neptunium-237	11.00		UJ	pCi/L	.47		UJ	pCi/g	.49		UJ	pCi/g
Plutonium-238	.65		UJ	pCi/L	.23		J	pCi/g	.04		UJ	pCi/g
Plutonium-239					.94		J	pCi/g	.04		UJ	pCi/g
Plutonium-239/240	.79		UJ	pCi/L								
Plutonium-241					4.10		J	pCi/g	1.80		UJ	pCi/g
Polonium-210	3.20		UJ	pCi/L	.98		J	pCi/g	.27		J	pCi/g
Radium-226	42.70	+/- 14	J	pCi/L	6.60	+/- .9	J	pCi/g	1.40	+/- 1.7	R	pCi/g
Radium-228	3.15	+/- 1.1	J	pCi/L	.70	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	1.44	+/- .82	J	pCi/L	1.10	+/- 1.1	J	pCi/g	1.10	+/- 1.1	J	pCi/g
Technetium-99	639.00	+/- 240	-	pCi/L	32.70	+/- 3.9	J	pCi/g	15.40	+/- 2	J	pCi/g
Thorium-227												
Thorium-228	1.46	+/- .87	J	pCi/L	1.36	+/- .59	J	pCi/g	.26		J	pCi/g
Thorium-230	1.70		UJ	pCi/L	18.42	+/- 4.9	J	pCi/g	.94		J	pCi/g
Thorium-232	1.20		UJ	pCi/L	.88	+/- .44	J	pCi/g	.23		J	pCi/g
Uranium, Total	37000.00	+/- 430	-	ug/L	2670.00	+/- 378	J	ug/g	4.20	+/- .6	J	ug/g
Uranium-233/234												
Uranium-234	25200.00	+/- 7000	J	pCi/L	1800.00		J	pCi/g	41.00		J	pCi/g
Uranium-235					220.00		J	pCi/g	4.60		J	pCi/g
Uranium-235/236	1930.00	+/- 650	J	pCi/L								
Uranium-236												
Uranium-238	13100.00	+/- 3800	J	pCi/L	1100.00		J	pCi/g	24.00		J	pCi/g

000108

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-4"				0-.5"				0-.5"			
Process Area:	2				2				3			
Sample:	2A-024				2A-025 DUP				2A-028			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		J	pCi/g	.30		NV	pCi/g	.21	+/- .07	J	pCi/g
Cesium-137	.20	+/- .1	J	pCi/g	.50	+/- .3	J	pCi/g	.40	+/- .16	-	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	2.60	+/- .5	J	pCi/g	2.37	+/- .73	J	pCi/g
Neptunium-237	.41		UJ	pCi/g	-.49	+/- .414	UJ	pCi/g	.24	+/- .14	J	pCi/g
Plutonium-238	.03		UJ	pCi/g	.18	+/- .2331	UJ	pCi/g	.99	+/- .19	-	pCi/g
Plutonium-239	.04		UJ	pCi/g								
Plutonium-239/240					1.30	+/- .3	J	pCi/g	1.08	+/- .2	-	pCi/g
Plutonium-241	1.80		J	pCi/g			NV	pCi/g	64.20		NV	pCi/g
Polonium-210	.34		J	pCi/g	3.70	+/- .7	J	pCi/g	3.77	+/- .71	J	pCi/g
Radium-226	1.10	+/- 1.3	R	pCi/g	5.80	+/- 7.1	R	pCi/g	11.10	+/- 1.7	-	pCi/g
Radium-228	.70	+/- .4	J	pCi/g	1.00	+/- .4	J	pCi/g	4.01	+/- 1	-	pCi/g
Strontium-90	1.00		UJ	pCi/g	1.00		UJ	pCi/g	.38	+/- .27	J	pCi/g
Technetium-99	7.90	+/- 1.1	J	pCi/g	50.20	+/- 5.8	J	pCi/g	.77	+/- .27	-	pCi/g
Thorium-227												
Thorium-228	.19		J	pCi/g	1.72	+/- .66	J	pCi/g	386.00	+/- 120	J	pCi/g
Thorium-230	.81		J	pCi/g	17.23	+/- 4.31	J	pCi/g	660.00	+/- 200	J	pCi/g
Thorium-232	.21		J	pCi/g	.95	+/- .42	J	pCi/g	250.00	+/- 76	J	pCi/g
Uranium, Total	23.20	+/- 3.3	J	ug/g	3700.00	+/- 524	J	ug/g	7720.00	+/- 210	-	ug/g
Uranium-233/234												
Uranium-234	11.00		J	pCi/g	18940.00	+/- 10090	J	pCi/g	3370.00	+/- 340	J	pCi/g
Uranium-235	1.30		J	pCi/g	2473.00	+/- 1509	J	pCi/g				
Uranium-235/236									368.00	+/- 42	J	pCi/g
Uranium-236												
Uranium-238	6.30		J	pCi/g	12150.00	+/- 6266	J	pCi/g	3530.00	+/- 360	J	pCi/g

000469

82123

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				ACID BRICK			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	3				3				3			
Sample:	2A-029				2A-030				2A-031R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/g	.06		UJ	pCi/g	.47	+/- .13	-	pCi/g
Cesium-137	.47	+/- .16	-	pCi/g	.22		UJ	pCi/g	1.13	+/- .2	-	pCi/g
Lead-210	.59		UJ	pCi/g	1.39	+/- .44	-	pCi/g	1750.00	+/- 110	J	pCi/g
Neptunium-237	.22	+/- .15	J	pCi/g	.11		UJ	pCi/g	.74	+/- .21	-	pCi/g
Plutonium-238	.12		UJ	pCi/g	.23		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.11		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241					22.00		UJ	pCi/g	6.26		NV	pCi/g
Polonium-210	4.31	+/- .8	J	pCi/g	.41	+/- .25	J	pCi/g	2970.00	+/- 180	J	pCi/g
Radium-226	.41	+/- .12	-	pCi/g	.68	+/- .16	-	pCi/g	14.10	+/- 2	-	pCi/g
Radium-228	4.68	+/- 1.2	-	pCi/g	1.35	+/- 1.1	J	pCi/g	4.58	+/- 1.3	-	pCi/g
Strontium-90	.32		UJ	pCi/g	.37		UJ	pCi/g	.45		UJ	pCi/g
Technetium-99	.60		UJ	pCi/g	2.40	+/- .73	-	pCi/g	70.70	+/- 19	-	pCi/g
Thorium-227												
Thorium-228	4.44	+/- .83	J	pCi/g	5.40	+/- 1	J	pCi/g	4.11	+/- .94	J	pCi/g
Thorium-230	1.32	+/- .54	J	pCi/g	2.58	+/- .6	J	pCi/g	295.00	+/- 60	J	pCi/g
Thorium-232	1.35	+/- .28	J	pCi/g	3.42	+/- .7	J	pCi/g	3.10	+/- .73	J	pCi/g
Uranium, Total	3160.00	+/- 87	-	ug/g	151.00	+/- 4.2	-	ug/g	355.00	+/- 9.7	-	ug/g
Uranium-233/234												
Uranium-234	1670.00	+/- 320	J	pCi/g	80.00	+/- 7.3	J	pCi/g	193.00	+/- 38	J	pCi/g
Uranium-235												
Uranium-235/236	158.00	+/- 31	J	pCi/g	3.67	+/- .43	J	pCi/g	9.33	+/- 2.1	J	pCi/g
Uranium-236												
Uranium-238	1280.00	+/- 250	J	pCi/g	72.30	+/- 6.7	J	pCi/g	142.00	+/- 28	J	pCi/g

007590

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	3				4				4			
Sample:	2A-033R				2A-038				2A-039			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.24	+/- .081	J	pCi/g	.50	+/- .1	J	pCi/g	.15	+/- .059	-	pCi/g
Cesium-137	.53	+/- .43	J	pCi/g	.34	+/- .18	J	pCi/g	.42	+/- .17	-	pCi/g
Lead-210	1.40	+/- .57	J	pCi/g	2.29	+/- .7	J	pCi/g	.58		UJ	pCi/g
Neptunium-237	.40	+/- .15	-	pCi/g	.44	+/- .26	J	pCi/g	.13		UJ	pCi/g
Plutonium-238	.30	+/- .084	-	pCi/g	4.95	+/- .55	-	pCi/g	.12		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.92	+/- .14	-	pCi/g	4.95	+/- .55	-	pCi/g	.05		UJ	pCi/g
Plutonium-241	8.95		-	pCi/g	77.50		NV	pCi/g	17.20		NV	pCi/g
Polonium-210	4.93	+/- 1	J	pCi/g	1.39	+/- .37	J	pCi/g	4.65	+/- .92	J	pCi/g
Radium-226	1.74	+/- .31	J	pCi/g	.96	+/- .27	-	pCi/g	3.87	+/- .58	-	pCi/g
Radium-228	33.90	+/- 5.3	J	pCi/g	.63		UJ	pCi/g	2.42	+/- .98	-	pCi/g
Strontium-90	1.40		UJ	pCi/g	.31		UJ	pCi/g	.38		UJ	pCi/g
Technetium-99	92.60	+/- 9.2	J	pCi/g	252.00	+/- 71	-	pCi/g	12.10	+/- 3.6	-	pCi/g
Thorium-227												
Thorium-228	82.30	+/- 15	J	pCi/g	16.70	+/- 3.1	J	pCi/g	6.43	+/- 1.8	J	pCi/g
Thorium-230	35.60	+/- 6.7	J	pCi/g	8.11	+/- 1.6	J	pCi/g	257.00	+/- 61	J	pCi/g
Thorium-232	74.80	+/- 14	J	pCi/g	3.13	+/- .65	J	pCi/g	4.32	+/- 1.3	J	pCi/g
Uranium, Total	19200.00	+/- 440	-	ug/g	11500.00	+/- .32	-	ug/g	1660.00	+/- 45	-	ug/g
Uranium-233/234	3580.00	+/- 710	J	pCi/g								
Uranium-234					5340.00	+/- 510	J	pCi/g	783.00	+/- 150	J	pCi/g
Uranium-235												
Uranium-235/236	221.00	+/- 50	J	pCi/g	180.00	+/- 25	J	pCi/g	32.60	+/- 6.7	J	pCi/g
Uranium-236												
Uranium-238	3570.00	+/- 700	J	pCi/g	2560.00	+/- 250	J	pCi/g	783.00	+/- 150	J	pCi/g

000111

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Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				ACID BRICK				STEEL COATINGS			
Depth:	1-4"				0-.5"							
Process Area:	4				4				4			
Sample:	2A-040				2A-042R				2A-044R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07		UJ	pCi/g	.35	+/- .13	-	pCi/g	1.36	+/- .31	J	pCi/g
Cesium-137	.23		UJ	pCi/g	1.53	+/- .22	-	pCi/g	.53		UJ	pCi/g
Lead-210	.84	+/- .18	UJ	pCi/g	2.77	+/- .74	J	pCi/g	1.34	+/- .58	J	pCi/g
Neptunium-237	.13		UJ	pCi/g	.29	+/- .16	J	pCi/g	1.06	+/- .24	-	pCi/g
Plutonium-238	.10		UJ	pCi/g	.12		UJ	pCi/g	1.66	+/- .22	J	pCi/g
Plutonium-239												
Plutonium-239/240	.04	+/- .034	J	pCi/g	.05		UJ	pCi/g	15.70	+/- 1.3	J	pCi/g
Plutonium-241	2.08		NV	pCi/g	17.00		NV	pCi/g	72.20		-	pCi/g
Polonium-210	.18	+/- .18	J	pCi/g	2.35	+/- .58	J	pCi/g	1.83	+/- .48	J	pCi/g
Radium-226	1.48	+/- .25	-	pCi/g	.25	+/- .098	-	pCi/g	5.25	+/- .77	J	pCi/g
Radium-228	.70		UJ	pCi/g	2.39	+/- .9	-	pCi/g	10.30	+/- 2.3	J	pCi/g
Strontium-90	.35		UJ	pCi/g	.37	+/- .28	J	pCi/g	.49		UJ	pCi/g
Technetium-99	13.60	+/- 3.9	-	pCi/g	56.80	+/- 16	-	pCi/g	69.80	+/- 7	J	pCi/g
Thorium-227												
Thorium-228	.28	+/- .083	-	pCi/g	8.80	+/- 1.6	J	pCi/g	20.30	+/- 2.3	J	pCi/g
Thorium-230	1.30	+/- .27	J	pCi/g	9.40	+/- 1.9	J	pCi/g	58.10	+/- 5.9	J	pCi/g
Thorium-232	.16	+/- .057	-	pCi/g	8.17	+/- 1.5	J	pCi/g	17.50	+/- 1.9	J	pCi/g
Uranium, Total	12.10	+/- .34	-	ug/g	2140.00	+/- 58	-	ug/g	45000.00	+/- 1000	-	ug/g
Uranium-233/234									11600.00	+/- 2500	J	pCi/g
Uranium-234	6.65	+/- .61	J	pCi/g	729.00	+/- 140	J	pCi/g				
Uranium-235												
Uranium-235/236	.35	+/- .074	J	pCi/g	40.80	+/- 8.2	J	pCi/g	1020.00	+/- 230	J	pCi/g
Uranium-236												
Uranium-238	7.07	+/- .63	J	pCi/g	561.00	+/- 110	J	pCi/g	9500.00	+/- 2100	J	pCi/g

000142

Material:	STEEL COATINGS
Depth:	
Process Area:	5
Sample:	2A-052R

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.11	+/- .045	J	pCi/g
Cesium-137	.78	+/- .44	-	pCi/g
Lead-210	2.52	+/- .62	J	pCi/g
Neptunium-237	.22		R	pCi/g
Plutonium-238	.72	+/- .2	J	pCi/g
Plutonium-239				
Plutonium-239/240	.36	+/- .11	J	pCi/g
Plutonium-241	13.00		UJ	pCi/g
Polonium-210	1.03	+/- .27	-	pCi/g
Radium-226	15.80	+/- 2.3	J	pCi/g
Radium-228	8.18	+/- 1.7	J	pCi/g
Strontium-90	.78		UJ	pCi/g
Technetium-99	9.53	+/- 1	J	pCi/g
Thorium-227				
Thorium-228	4.99	+/- 1.9	J	pCi/g
Thorium-230	18.20	+/- 3.9	J	pCi/g
Thorium-232	4.62	+/- 1.6	J	pCi/g
Uranium, Total	7550.00	+/- 210	J	ug/g
Uranium-233/234				
Uranium-234	1360.00	+/- 380	J	pCi/g
Uranium-235				
Uranium-235/236	115.00	+/- 36	J	pCi/g
Uranium-236				
Uranium-238	1300.00	+/- 360	J	pCi/g

000113

2178

Appendix L.2 - Major Media
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	2B-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.06		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g
Lead-210	1.40	+/- .39	-	pCi/g
Neptunium-237	.09		UJ	pCi/g
Plutonium-238	.11		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.09		UJ	pCi/g
Plutonium-241				
Polonium-210	.39	+/- .29	J	pCi/g
Radium-226	.56	+/- .09	-	pCi/g
Radium-228	.25	+/- .32	J	pCi/g
Strontium-90	2.50	+/- .58	-	pCi/g
Technetium-99	8.10	+/- 1	-	pCi/g
Thorium-227				
Thorium-228	.35	+/- .2	J	pCi/g
Thorium-230	1.30	+/- .23	J	pCi/g
Thorium-232	.20	+/- .11	J	pCi/g
Uranium, Total	380.00	+/- 23	-	ug/g
Uranium-233/234				
Uranium-234	150.00	+/- 17	J	pCi/g
Uranium-235				
Uranium-235/236	7.50	+/- 1.2	J	pCi/g
Uranium-236				
Uranium-238	110.00	+/- 13	-	pCi/g

000144

Appendix L.2 - Major Media
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	2C-003				2C-004				2C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/g	.10		UJ	pCi/g	.23	+/- .11	-	pCi/g
Cesium-137	.02	+/- .017	J	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Lead-210	1.10	+/- .41	-	pCi/g	.52	+/- .29	J	pCi/g	.42		UJ	pCi/g
Neptunium-237	.11	+/- .072	J	pCi/g	.11		UJ	pCi/g	.20		UJ	pCi/g
Plutonium-238	.14		UJ	pCi/g	.11		UJ	pCi/g	.13		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.08	+/- .1	J	pCi/g	.02		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241												
Polonium-210	.59	+/- .32	J	pCi/g	.62	+/- .24	-	pCi/g	.57	+/- .23	-	pCi/g
Radium-226	.50	+/- .09	-	pCi/g	.37	+/- .045	-	pCi/g	.37	+/- .046	-	pCi/g
Radium-228	.36	+/- 2	J	pCi/g	.29	+/- .15	J	pCi/g	.24	+/- .12	-	pCi/g
Strontium-90	3.30	+/- .85	-	pCi/g	1.70	+/- .46	-	pCi/g	.32		UJ	pCi/g
Technetium-99	2.30	+/- .34	-	pCi/g	.27	+/- .18	J	pCi/g	.23		UJ	pCi/g
Thorium-227												
Thorium-228	.33	+/- .18	J	pCi/g	.25	+/- .19	J	pCi/g	.47	+/- .15	-	pCi/g
Thorium-230	3.10	+/- .35	J	pCi/g	.32	+/- .13	J	pCi/g	.34	+/- .14	-	pCi/g
Thorium-232	.28	+/- .1	J	pCi/g	.24	+/- .11	J	pCi/g	.18	+/- .083	-	pCi/g
Uranium, Total	88.00	+/- 5.7	-	ug/g	5.70	+/- .4	-	ug/g	1.70	+/- .14	-	ug/g
Uranium-233/234												
Uranium-234	36.00	+/- 4.2	J	pCi/g	1.90	+/- .37	J	pCi/g	1.30	+/- .28	J	pCi/g
Uranium-235												
Uranium-235/236	1.10	+/- .35	J	pCi/g	.09		UJ	pCi/g	.10		UJ	pCi/g
Uranium-236												
Uranium-238	37.00	+/- 4.4	-	pCi/g	1.80	+/- .35	-	pCi/g	.98	+/- .24	-	pCi/g

0600445

2126

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	2D-003				2D-004				2D-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.20	+/- .2	J	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	3.00	+/- .6	J	pCi/g	2.10	+/- .6	R	pCi/g	.30	+/- .3	J	pCi/g
Neptunium-237	.41		UJ	pCi/g	-2.12	+/- 1.292	UJ	pCi/g	.00	+/- .0349	UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.09	+/- .1	UJ	pCi/g	.06	+/- .09	UJ	pCi/g
Plutonium-239	.19		-	pCi/g	.09	+/- .08	UJ	pCi/g	.01	+/- .05	UJ	pCi/g
Plutonium-239/240												
Plutonium-241												
Polonium-210	.46		J	pCi/g	.70	+/- .1	J	pCi/g	.70	+/- .1	J	pCi/g
Radium-226	2.40	+/- .4	-	pCi/g	1.60	+/- .3	-	pCi/g	.90	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g	.30	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	.30		UJ	pCi/g	.70		UJ	pCi/g
Technetium-99	11.00	+/- 1.5	J	pCi/g	4.50	+/- .7	J	pCi/g	.40	+/- .3	J	pCi/g
Thorium-227												
Thorium-228	.67	+/- .14	J	pCi/g	.33	+/- .1	J	pCi/g	.18	+/- .08	J	pCi/g
Thorium-230	3.16	+/- .49	J	pCi/g	1.74	+/- .29	J	pCi/g	.68	+/- .17	J	pCi/g
Thorium-232	.36	+/- .09	J	pCi/g	.22	+/- .07	J	pCi/g	.20	+/- .07	J	pCi/g
Uranium, Total	935.00	+/- 132	-	ug/g	422.00	+/- 59.6	-	ug/g	17.50	+/- 2.5	-	ug/g
Uranium-233/234												
Uranium-234	330.00		J	pCi/g	235.70	+/- 47.21	J	pCi/g	2.65	+/- .43	J	pCi/g
Uranium-235	43.00		J	pCi/g	51.85	+/- 13.12	J	pCi/g	.66	+/- .14	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	260.00		J	pCi/g	197.50	+/- 40.06	J	pCi/g	2.23	+/- .36	J	pCi/g

27000

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	ACID BRICK				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	1				2				2			
Sample:	2D-007				2D-009				2D-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.00		J	pCi/g	-.01		NV	pCi/g	-.04		NV	pCi/g
Cesium-137	.50	+/- .1	-	pCi/g	.20		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	2.60	+/- .6	J	pCi/g	4.30	+/- .7	J	pCi/g	.70	+/- .3	J	pCi/g
Neptunium-237	.40		UJ	pCi/g	.76		NV	pCi/g	.03		NV	pCi/g
Plutonium-238	1.20		-	pCi/g	.02		NV	pCi/g	.02		NV	pCi/g
Plutonium-239	16.00		-	pCi/g								
Plutonium-239/240					.23		NV	pCi/g	.04		NV	pCi/g
Plutonium-241	1.80		J	pCi/g	2.80		NV	pCi/g	.82		NV	pCi/g
Polonium-210	.43		-	pCi/g	1.00	+/- .2	J	pCi/g	.63		NV	pCi/g
Radium-226	4.50	+/- .8	-	pCi/g	2.80	+/- .5	-	pCi/g	1.40	+/- .3	-	pCi/g
Radium-228	.80	+/- .3	-	pCi/g	.30		UJ	pCi/g	.40	+/- .3	J	pCi/g
Strontium-90	1.20	+/- 1	J	pCi/g	.40		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	217.00	+/- 25.2	J	pCi/g	53.90	+/- 6.4	J	pCi/g	7.80	+/- 1.1	J	pCi/g
Thorium-227												
Thorium-228	6.00		J	pCi/g	.83		NV	pCi/g	.35		NV	pCi/g
Thorium-230	76.00		J	pCi/g	3.90		NV	pCi/g	1.40		NV	pCi/g
Thorium-232	4.70		UJ	pCi/g	.38		NV	pCi/g	.12		NV	pCi/g
Uranium, Total	3550.00	+/- 502	-	ug/g	1190.00	+/- 169	-	ug/g	241.00	+/- 34	-	ug/g
Uranium-233/234												
Uranium-234	1400.00		J	pCi/g	480.00		NV	pCi/g	92.15	+/- 17.72	J	pCi/g
Uranium-235	200.00		J	pCi/g					11.84	+/- 3.5	J	pCi/g
Uranium-235/236					76.00		NV	pCi/g				
Uranium-236												
Uranium-238	940.00		J	pCi/g	450.00		NV	pCi/g	90.01	+/- 17.25	J	pCi/g

000117

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				ACID BRICK				CONCRETE CORE			
Depth:	1-4"				0-.5"				0-.5"			
Process Area:	2				2				3			
Sample:	2D-011				2D-012				2D-019			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		NV	pCi/g	.13		J	pCi/g	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.70	+/- .3	J	pCi/g	2.10	+/- .5	J	pCi/g	1.40	+/- .4	J	pCi/g
Neptunium-237	.03		NV	pCi/g	.40		UJ	pCi/g	.41		UJ	pCi/g
Plutonium-238	.03		NV	pCi/g	.06		J	pCi/g	.03		UJ	pCi/g
Plutonium-239					.49		-	pCi/g	.14		-	pCi/g
Plutonium-239/240	.14		NV	pCi/g								
Plutonium-241	2.70		NV	pCi/g	2.00		UJ	pCi/g				
Polonium-210	.53		NV	pCi/g	12.00		-	pCi/g	.71		-	pCi/g
Radium-226	1.20	+/- .3	-	pCi/g	2.20	+/- .4	-	pCi/g	2.30	+/- .4	-	pCi/g
Radium-228	.20		UJ	pCi/g	.20		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.50		UJ	pCi/g	.60		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	3.80	+/- .6	J	pCi/g	58.60	+/- 6.9	J	pCi/g	6.70	+/- 1	J	pCi/g
Thorium-227												
Thorium-228	.44		NV	pCi/g	2.30		UJ	pCi/g	.34	+/- .1	J	pCi/g
Thorium-230	3.10		NV	pCi/g	57.00		J	pCi/g	2.94	+/- .46	J	pCi/g
Thorium-232	.23		NV	pCi/g	2.10		J	pCi/g	.20	+/- .07	J	pCi/g
Uranium, Total	84.10	+/- 11.9	-	ug/g	1310.00	+/- 185	-	ug/g	487.00	+/- 68.8	-	ug/g
Uranium-233/234												
Uranium-234	27.00		NV	pCi/g	460.00		-	pCi/g	150.00		-	pCi/g
Uranium-235					53.00		-	pCi/g	17.00		-	pCi/g
Uranium-235/236	2.40		NV	pCi/g								
Uranium-236												
Uranium-238	25.00		NV	pCi/g	340.00		-	pCi/g	130.00		-	pCi/g

000174

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"			
Process Area:	3				3			
Sample:	2D-020				2D-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.30	+/- .3	J	pCi/g	.30	+/- .3	J	pCi/g
Neptunium-237	.03	+/- .0263	J	pCi/g	.01	+/- .0271	UJ	pCi/g
Plutonium-238	.09	+/- .11	UJ	pCi/g	.07	+/- .12	UJ	pCi/g
Plutonium-239	.02	+/- .05	UJ	pCi/g	.03	+/- .07	UJ	pCi/g
Plutonium-239/240								
Plutonium-241								
Polonium-210	.60	+/- .1	J	pCi/g	.70	+/- .2	J	pCi/g
Radium-226	1.10	+/- .2	-	pCi/g	1.40	+/- .3	-	pCi/g
Radium-228	.40	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	.20		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227								
Thorium-228	.19	+/- .08	J	pCi/g	.12	+/- .07	J	pCi/g
Thorium-230	.71	+/- .17	J	pCi/g	.31	+/- .13	J	pCi/g
Thorium-232	.25	+/- .07	J	pCi/g	.13	+/- .06	J	pCi/g
Uranium, Total	7.50	+/- 1.1	-	ug/g	2.30	+/- .3	-	ug/g
Uranium-233/234								
Uranium-234	2.03	+/- .36	J	pCi/g	1.24	+/- .26	J	pCi/g
Uranium-235	.43	+/- .11	J	pCi/g	.36	+/- .09	J	pCi/g
Uranium-235/236								
Uranium-236								
Uranium-238	1.74	+/- .3	J	pCi/g	1.06	+/- .21	J	pCi/g

000169

8212

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 2E - NFS Storage & Pump House
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	2E-003				2E-004				2E-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60		NV	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	6.50	+/- 1.1	J	pCi/g	2.30	+/- .6	J	pCi/g	.50	+/- .3	J	pCi/g
Neptunium-237	1.07		NV	pCi/g	.08	+/- .0357	J	pCi/g	.01	+/- .0231	UJ	pCi/g
Plutonium-238	.46		NV	pCi/g	.05	+/- .08	UJ	pCi/g	.03	+/- .08	UJ	pCi/g
Plutonium-239					.10	+/- .05	UJ	pCi/g	.00	+/- .04	UJ	pCi/g
Plutonium-239/240	1.10		NV	pCi/g								
Plutonium-241	7.11		NV	pCi/g								
Polonium-210	.66		NV	pCi/g	1.00	+/- .2	J	pCi/g	.90	+/- .2	J	pCi/g
Radium-226	9.50	+/- 1.6	-	pCi/g	1.90	+/- .4	-	pCi/g	1.40	+/- .3	-	pCi/g
Radium-228	.20		UJ	pCi/g	.30		UJ	pCi/g	.40		UJ	pCi/g
Strontium-90	.40		UJ	pCi/g	.30		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	5.60	+/- .8	J	pCi/g	1.70	+/- .4	J	pCi/g	.40		UJ	pCi/g
Thorium-227												
Thorium-228	7.72		NV	pCi/g	.62	+/- .13	J	pCi/g	.22	+/- .09	J	pCi/g
Thorium-230	7.78		NV	pCi/g	1.74	+/- .3	J	pCi/g	.63	+/- .16	J	pCi/g
Thorium-232	.31		NV	pCi/g	.25	+/- .08	J	pCi/g	.17	+/- .07	J	pCi/g
Uranium, Total	2570.00	+/- 363	-	ug/g	116.00	+/- 16.4	-	ug/g	5.70	+/- .8	-	ug/g
Uranium-233/234												
Uranium-234	2070.00		NV	pCi/g	139.70	+/- 25.22	J	pCi/g	2.90	+/- .46	J	pCi/g
Uranium-235					23.20	+/- 4.93	J	pCi/g	.81	+/- .15	J	pCi/g
Uranium-235/236	395.00		NV	pCi/g								
Uranium-236												
Uranium-238	925.00		NV	pCi/g	48.73	+/- 9.42	J	pCi/g	1.80	+/- .3	J	pCi/g

000420

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	2E-007

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.51	+/- .11	J	pCi/g
Cesium-137	.26	+/- .059	-	pCi/g
Lead-210	1.10	+/- .33	-	pCi/g
Neptunium-237	.52	+/- .15	-	pCi/g
Plutonium-238	.58	+/- .49	J	pCi/g
Plutonium-239				
Plutonium-239/240	1.70	+/- 1.4	J	pCi/g
Plutonium-241	6.30	+/- .76	NV	pCi/g
Polonium-210	.70	+/- .25	-	pCi/g
Radium-226	.74	+/- .16	-	pCi/g
Radium-228	.45	+/- .82	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	1.40	+/- .31	-	pCi/g
Thorium-227				
Thorium-228	2.80	+/- .45	J	pCi/g
Thorium-230	7.80	+/- .94	J	pCi/g
Thorium-232	.26	+/- .12	J	pCi/g
Uranium, Total	3400.00	+/- 200	-	ug/g
Uranium-233/234				
Uranium-234	2800.00	+/- 350	J	pCi/g
Uranium-235				
Uranium-235/236	170.00	+/- 23	J	pCi/g
Uranium-236				
Uranium-238	770.00	+/- 98	J	pCi/g

000121

000121

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2F - Cold Side Ore Conveyor
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	2F-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/g
Cesium-137	.03	+/- .021	J	pCi/g
Lead-210	1.40	+/- .29	-	pCi/g
Neptunium-237	.27		UJ	pCi/g
Plutonium-238	.12		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.19		UJ	pCi/g
Plutonium-241				
Polonium-210	.38	+/- .28	J	pCi/g
Radium-226	.79	+/- .13	-	pCi/g
Radium-228	.46	+/- 25	J	pCi/g
Strontium-90	.70	+/- .32	-	pCi/g
Technetium-99	2.60	+/- 1.1	-	pCi/g
Thorium-227				
Thorium-228	.74	+/- .26	-	pCi/g
Thorium-230	1.10	+/- 1.2	-	pCi/g
Thorium-232	.71	+/- .17	-	pCi/g
Uranium, Total	1000.00	+/- 62	-	ug/g
Uranium-233/234				
Uranium-234	690.00	+/- 85	J	pCi/g
Uranium-235				
Uranium-235/236	29.00	+/- 4.2	J	pCi/g
Uranium-236				
Uranium-238	700.00	+/- 86	J	pCi/g

0002290

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2G - Hot Side Ore Conveyor
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	2G-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	-.04		NV	pCi/g
Cesium-137	1.50		UJ	pCi/g
Lead-210	14.30	+/- 2.2	J	pCi/g
Neptunium-237	.10		NV	pCi/g
Plutonium-238	.02		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.24		NV	pCi/g
Plutonium-241	1.12		NV	pCi/g
Polonium-210	.94		NV	pCi/g
Radium-226	4.70	+/- .7	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.20		UJ	pCi/g
Technetium-99	3.20	+/- 1	J	pCi/g
Thorium-227				
Thorium-228	.84		NV	pCi/g
Thorium-230	11.20		NV	pCi/g
Thorium-232	.52		NV	pCi/g
Uranium, Total	1120.00	+/- 159	J	ug/g
Uranium-233/234				
Uranium-234	231.00		NV	pCi/g
Uranium-235				
Uranium-235/236	17.30		NV	pCi/g
Uranium-236				
Uranium-238	241.00		NV	pCi/g

0004123

2173

Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	2H-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.21	+/- .15	J	pCi/g
Cesium-137	.05	+/- .03	J	pCi/g
Lead-210	30.00	+/- 2.8	-	pCi/g
Neptunium-237	.54	+/- .16	-	pCi/g
Plutonium-238	.08	+/- .092	J	pCi/g
Plutonium-239				
Plutonium-239/240	.16		UJ	pCi/g
Plutonium-241				
Polonium-210	27.00	+/- 4.1	J	pCi/g
Radium-226	10.00	+/- 1.4	-	pCi/g
Radium-228	.95	+/- 8.1	J	pCi/g
Strontium-90	1.80	+/- .49	-	pCi/g
Technetium-99	12.00	+/- 4.9	-	pCi/g
Thorium-227				
Thorium-228	1.58	+/- .285	-	pCi/g
Thorium-230	109.00	+/- 11.1	-	pCi/g
Thorium-232	.75	+/- .146	-	pCi/g
Uranium, Total	3900.00	+/- 240	-	ug/g
Uranium-233/234				
Uranium-234	2800.00	+/- 1100	J	pCi/g
Uranium-235				
Uranium-235/236	120.00	+/- 48	J	pCi/g
Uranium-236				
Uranium-238	2800.00	+/- 1100	J	pCi/g

000424

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3A - Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3A-003R				3A-004R				3A-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/g	.20		UJ	pCi/g	.20		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.20	+/- .1	J	pCi/g	.10		UJ	pCi/g
Lead-210	1.40	+/- .3	J	pCi/g	.20	+/- .2	J	pCi/g	.40	+/- .3	J	pCi/g
Neptunium-237	.42	+/- .2118	J	pCi/g	-.98	+/- .2696	UJ	pCi/g	-.69	+/- .8599	UJ	pCi/g
Plutonium-238	.07	+/- .2	UJ	pCi/g	.07	+/- .18	UJ	pCi/g	.00	+/- .19	UJ	pCi/g
Plutonium-239	.04	+/- .09	UJ	pCi/g	-.02	+/- .07	UJ	pCi/g	.01	+/- .09	UJ	pCi/g
Plutonium-239/240												
Plutonium-241												
Polonium-210	2.70	+/- .4	J	pCi/g	.80	+/- .2	J	pCi/g	1.00	+/- .2	J	pCi/g
Radium-226	2.50	+/- .4	J	pCi/g	1.00	+/- .2	J	pCi/g	.50	+/- .2	J	pCi/g
Radium-228	.30	+/- .3	J	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.40	+/- .5	J	pCi/g	.40		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	1.80	+/- 1.4	-	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.18	+/- .15	J	pCi/g	.25	+/- .15	J	pCi/g	.20	+/- .15	J	pCi/g
Thorium-230	5.86	+/- .92	J	pCi/g	.77	+/- .28	J	pCi/g	.56	+/- .26	J	pCi/g
Thorium-232	.50	+/- .15	J	pCi/g	.23	+/- .11	J	pCi/g	.16	+/- .11	J	pCi/g
Uranium, Total	284.00	+/- 40.3	J	ug/g	8.20	+/- 1.2	J	ug/g	3.30	+/- .5	J	ug/g
Uranium-233/234												
Uranium-234	79.35	+/- 12.52	J	pCi/g	1.87	+/- .29	J	pCi/g	.92	+/- .15	J	pCi/g
Uranium-235	5.88	+/- 2.63	J	pCi/g	.52	+/- .11	J	pCi/g	.09	+/- .04	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	81.21	+/- 12.61	J	pCi/g	1.78	+/- .28	J	pCi/g	.95	+/- .15	J	pCi/g

000125

2123

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3A - Maintenance Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	3A-009R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.50	+/- .4	R	pCi/g
Neptunium-237	-.89	+/- .5947	UJ	pCi/g
Plutonium-238	.07	+/- .18	UJ	pCi/g
Plutonium-239	-.03	+/- .07	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.50	+/- .3	-	pCi/g
Radium-226	.20	+/- .1	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.50	+/- .5	J	pCi/g
Technetium-99	.60	+/- .5	J	pCi/g
Thorium-227				
Thorium-228	.50	+/- .18	J	pCi/g
Thorium-230	2.03	+/- .41	J	pCi/g
Thorium-232	.53	+/- .15	J	pCi/g
Uranium, Total	50.40	+/- 7.1	J	ug/g
Uranium-233/234				
Uranium-234	16.72	+/- 3	J	pCi/g
Uranium-235	2.20	+/- .58	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	15.43	+/- 2.79	J	pCi/g

000126

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3B - Ozone Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3B-003				3B-004				3B-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.09		UJ	pCi/g	.06		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	.90		UJ	pCi/g	.44		UJ	pCi/g	.57	+/- .31	J	pCi/g
Neptunium-237	.07	+/- .046	J	pCi/g	.03		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.06	+/- .31	J	pCi/g	.01		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241	3.80	+/- 2.5	J	pCi/g	1.90	+/- 2.4	J	pCi/g	3.30	+/- 2.6	J	pCi/g
Polonium-210	1.90	+/- 1.2	J	pCi/g	.83	+/- 1	J	pCi/g	1.70	+/- 1.2	J	pCi/g
Radium-226	1.10	+/- .32	-	pCi/g	.40	+/- .16	-	pCi/g	.36	+/- .13	-	pCi/g
Radium-228	.55	+/- .29	J	pCi/g	.30		UJ	pCi/g	.23		UJ	pCi/g
Strontium-90	.08		UJ	pCi/g	.08		UJ	pCi/g	.07		UJ	pCi/g
Technetium-99	7.10	+/- .96	-	pCi/g	.62		UJ	pCi/g	.62		UJ	pCi/g
Thorium-227	.98		UJ	pCi/g	.12		UJ	pCi/g	.15	+/- .91	J	pCi/g
Thorium-228	.65	+/- .32	-	pCi/g	.30	+/- .38	J	pCi/g	.23	+/- .37	J	pCi/g
Thorium-230	9.00	+/- 1.4	-	pCi/g	1.80	+/- .48	-	pCi/g	.88	+/- .4	-	pCi/g
Thorium-232	.53	+/- .31	J	pCi/g	.26	+/- .38	J	pCi/g	.21	+/- .37	J	pCi/g
Uranium, Total	160.00	+/- 30	J	ug/g	15.00	+/- 3	J	ug/g	4.70	+/- .9	J	ug/g
Uranium-233/234												
Uranium-234	85.00	+/- 13	-	pCi/g	16.00	+/- 2.5	-	pCi/g	6.50	+/- 1.1	-	pCi/g
Uranium-235												
Uranium-235/236	7.00	+/- 1.2	-	pCi/g	1.40	+/- .51	-	pCi/g	.52	+/- .44	J	pCi/g
Uranium-236												
Uranium-238	84.00	+/- 13	-	pCi/g	18.00	+/- 2.7	-	pCi/g	8.10	+/- 1.3	-	pCi/g

000127

7173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3B - Ozone Building
Analytical Results - Radionuclides

Material:	STEEL COATINGS
Depth:	
Process Area:	1
Sample:	3B-007

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14		UJ	pCi/g
Cesium-137	.19		UJ	pCi/g
Lead-210	2.20	+/- 1.4	J	pCi/g
Neptunium-237	.05		UJ	pCi/g
Plutonium-238	.09	+/- .39	J	pCi/g
Plutonium-239				
Plutonium-239/240	.11	+/- .39	J	pCi/g
Plutonium-241	1.50		UJ	pCi/g
Polonium-210	4.20	+/- 1.1	-	pCi/g
Radium-226	5.00	+/- 1.3	-	pCi/g
Radium-228	2.10	+/- .8	-	pCi/g
Strontium-90	.15		UJ	pCi/g
Technetium-99	8.70	+/- 3.3	-	pCi/g
Thorium-227	1.50	+/- 2.5	J	pCi/g
Thorium-228	1.50	+/- 1.2	J	pCi/g
Thorium-230	60.00	+/- 9	-	pCi/g
Thorium-232	1.20	+/- 1.1	J	pCi/g
Uranium, Total	740.00	+/- 100	J	ug/g
Uranium-233/234				
Uranium-234	310.00	+/- 47	-	pCi/g
Uranium-235				
Uranium-235/236	24.00	+/- 5.3	-	pCi/g
Uranium-236				
Uranium-238	310.00	+/- 46	-	pCi/g

000328

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 3C - NAR Control House
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	3C-003				3C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.05	+/- .33	J	pCi/g	.16		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.11		UJ	pCi/g
Lead-210	.39	+/- .3	J	pCi/g	.97		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.05	+/- .035	J	pCi/g
Plutonium-238	.03		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.03		UJ	pCi/g	.15	+/- .39	J	pCi/g
Plutonium-241	-19.00	+/- 2.9	UJ	pCi/g	1.40		UJ	pCi/g
Polonium-210	.46	+/- .63	J	pCi/g	4.10	+/- .95	-	pCi/g
Radium-226	.35	+/- .1	-	pCi/g	2.30	+/- .63	-	pCi/g
Radium-228	.22	+/- .14	J	pCi/g	.69	+/- .38	J	pCi/g
Strontium-90	.17		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	.65	+/- .44	J	pCi/g	45.00	+/- 7.8	-	pCi/g
Thorium-227					.85	+/- 2.8	J	pCi/g
Thorium-228	.29	+/- 1.1	J	pCi/g	.60	+/- 1.3	J	pCi/g
Thorium-230	1.20	+/- 1.2	J	pCi/g	22.00	+/- 3.8	-	pCi/g
Thorium-232	.21	+/- 1.1	J	pCi/g	.54	+/- 1.3	J	pCi/g
Uranium, Total	85.00	+/- 20	J	ug/g	410.00	+/- 80	-	ug/g
Uranium-233/234								
Uranium-234	27.00	+/- 4	-	pCi/g	.02	+/- 27	-	pCi/g
Uranium-235								
Uranium-235/236	2.10	+/- .58	-	pCi/g	16.00	+/- 3.8	-	pCi/g
Uranium-236								
Uranium-238	39.00	+/- 5.8	-	pCi/g	150.00	+/- 22	-	pCi/g

000129

7173

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3D-002				3D-003				3D-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04	+/- .28	J	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.41	+/- .36	J	pCi/g	.27		UJ	pCi/g	.27	+/- .26	J	pCi/g
Neptunium-237	.06		UJ	pCi/g	.05		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.04		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.15	+/- .31	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241	.07	+/- 1	UJ	pCi/g								
Polonium-210	.61	+/- .95	J	pCi/g	.22	+/- .63	J	pCi/g	.24	+/- .63	J	pCi/g
Radium-226	.33	+/- .099	-	pCi/g	.20	+/- .076	-	pCi/g	.24	+/- .077	-	pCi/g
Radium-228	.37	+/- .14	-	pCi/g	.16	+/- .15	J	pCi/g	.14	+/- .095	J	pCi/g
Strontium-90	.24		UJ	pCi/g	.17		UJ	pCi/g	.14		UJ	pCi/g
Technetium-99	4.20	+/- .65	-	pCi/g	.71	+/- .44	J	pCi/g	.52		UJ	pCi/g
Thorium-227												
Thorium-228	.42	+/- 1.2	J	pCi/g	.15	+/- .57	J	pCi/g	.19	+/- .47	J	pCi/g
Thorium-230	2.40	+/- 1.3	J	pCi/g	.66	+/- .59	J	pCi/g	.59	+/- .49	J	pCi/g
Thorium-232	.30	+/- 1.2	J	pCi/g	.16	+/- .57	J	pCi/g	.15	+/- .46	J	pCi/g
Uranium, Total	70.00	+/- 10	J	ug/g	2.60	+/- .5	-	ug/g	3.50	+/- .7	-	ug/g
Uranium-233/234												
Uranium-234	34.00	+/- 5.1	-	pCi/g	2.00	+/- .5	-	pCi/g	1.10	+/- .41	-	pCi/g
Uranium-235												
Uranium-235/236	4.80	+/- .84	-	pCi/g	.26	+/- .4	J	pCi/g	.09	+/- .39	J	pCi/g
Uranium-236												
Uranium-238	2.40	+/- 3.7	-	pCi/g	1.30	+/- .49	-	pCi/g	.79	+/- .43	J	pCi/g

000130

Material:	STEEL COATINGS			
Depth:				
Process Area:	1			
Sample:	3D-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.53	+/- 1.3	J	pCi/g
Cesium-137	.28		UJ	pCi/g
Lead-210	2.40		UJ	pCi/g
Neptunium-237	.15		UJ	pCi/g
Plutonium-238	.09	+/- 1.2	J	pCi/g
Plutonium-239				
Plutonium-239/240	.78	+/- 1.2	J	pCi/g
Plutonium-241	13.00		UJ	pCi/g
Polonium-210	3.80	+/- 2.6	J	pCi/g
Radium-226	1.40	+/- .64	J	pCi/g
Radium-228	.91		UJ	pCi/g
Strontium-90	.09		UJ	pCi/g
Technetium-99	2.70		U	pCi/g
Thorium-227	3.60	+/- 4.7	J	pCi/g
Thorium-228	.46	+/- 2.5	J	pCi/g
Thorium-230	9.00	+/- 4.1	-	pCi/g
Thorium-232	.25	+/- 2.5	J	pCi/g
Uranium, Total	760.00	+/- 100	J	ug/g
Uranium-233/234				
Uranium-234	230.00	+/- 39	J	pCi/g
Uranium-235				
Uranium-235/236	22.00	+/- 16	J	pCi/g
Uranium-236				
Uranium-238	170.00	+/- 30	J	pCi/g

0001131

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3E-003				3E-004				3E-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.40	+/- 1.7	J	pCi/g	.05		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.31	+/- .17	J	pCi/g	.06		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	1.80		UJ	pCi/g	.77	+/- .38	-	pCi/g	.54	+/- .31	J	pCi/g
Neptunium-237	2.30	+/- .6	J	pCi/g	.07		UJ	pCi/g	.09		UJ	pCi/g
Plutonium-238	.39	+/- 1.3	J	pCi/g	.03		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	5.10	+/- 1.5	-	pCi/g	.11	+/- .46	J	pCi/g	.03		UJ	pCi/g
Plutonium-241	29.00	+/- 9.8	-	pCi/g	2.80		UJ	pCi/g	1.90		UJ	pCi/g
Polonium-210	.34		UJ	pCi/g	.42		UJ	pCi/g	.40		UJ	pCi/g
Radium-226	1.30	+/- .45	-	pCi/g	.32	+/- .14	-	pCi/g	.34	+/- .13	-	pCi/g
Radium-228	.51	+/- .39	J	pCi/g	.25		UJ	pCi/g	.21		UJ	pCi/g
Strontium-90	.10	+/- .064	J	pCi/g	.08		UJ	pCi/g	.09		UJ	pCi/g
Technetium-99	31.00	+/- 4.2	-	pCi/g	12.00	+/- 1.7	-	pCi/g	4.70	+/- .77	-	pCi/g
Thorium-227	23.00	+/- 3.1	-	pCi/g	3.10	+/- .93	-	pCi/g	.11		UJ	pCi/g
Thorium-228	1.80	+/- 1.2	J	pCi/g	.27	+/- .35	J	pCi/g	.18	+/- .34	J	pCi/g
Thorium-230	140.00	+/- 21	-	pCi/g	2.50	+/- .54	-	pCi/g	.43	+/- .35	J	pCi/g
Thorium-232	.99	+/- 1.2	J	pCi/g	.20	+/- .35	J	pCi/g	.19	+/- .34	J	pCi/g
Uranium, Total	2000.00	+/- 400	-	ug/g	24.00	+/- 5	-	ug/g	4.10	+/- .8	-	ug/g
Uranium-233/234												
Uranium-234	900.00	+/- 150	J	pCi/g	12.00	+/- 1.9	J	pCi/g	1.60	+/- .52	J	pCi/g
Uranium-235												
Uranium-235/236	97.00	+/- 48	J	pCi/g	1.20	+/- .46	J	pCi/g	.10	+/- .43	J	pCi/g
Uranium-236												
Uranium-238	750.00	+/- 130	J	pCi/g	12.00	+/- 1.8	J	pCi/g	2.40	+/- .59	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Radionuclides

Material:	ACID BRICK				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	1				1				1			
Sample:	3E-006				3E-007				3E-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.21	+/- .57	J	pCi/g	2.30	+/- 1.2	J	pCi/g	.16	+/- 1.6	J	pCi/g
Cesium-137	.12		UJ	pCi/g	.28		UJ	pCi/g	.13		UJ	pCi/g
Lead-210	1.90		UJ	pCi/g	15.00	+/- 4.4	-	pCi/g	2.00	+/- 1.1	J	pCi/g
Neptunium-237	.35	+/- .2	J	pCi/g	1.40	+/- .34	J	pCi/g	.41		UJ	pCi/g
Plutonium-238	.10	+/- .45	J	pCi/g	.34	+/- .53	J	pCi/g	.11		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	1.30	+/- .5	J	pCi/g	6.70	+/- 1.2	J	pCi/g	.53	+/- 1.3	J	pCi/g
Plutonium-241	4.16	+/- 1.48	J	pCi/g	8.60	+/- 1.9	J	pCi/g	7.20		UJ	pCi/g
Polonium-210	.89	+/- .63	J	pCi/g	11.00	+/- 2.3	-	pCi/g	4.80	+/- 1.4	-	pCi/g
Radium-226	2.80	+/- .66	-	pCi/g	43.00	+/- 9.3	-	pCi/g	2.50	+/- .65	-	pCi/g
Radium-228	2.70	+/- .75	-	pCi/g	3.40	+/- 1.1	-	pCi/g	.60	+/- .27	-	pCi/g
Strontium-90	.18		UJ	pCi/g	.42		UJ	pCi/g	.09		UJ	pCi/g
Technetium-99	7.80	+/- 1	J	pCi/g	36.00	+/- 4.7	J	pCi/g	11.00	+/- 1.5	-	pCi/g
Thorium-227									67.00	+/- 3.1	-	pCi/g
Thorium-228	2.20		UJ	pCi/g	1.90	+/- .7	-	pCi/g	.68	+/- 1.1	J	pCi/g
Thorium-230	16.00	+/- 29	J	pCi/g	230.00	+/- 34	-	pCi/g	150.00	+/- 23	-	pCi/g
Thorium-232	3.50	+/- 28	J	pCi/g	1.60	+/- .68	-	pCi/g	.68	+/- 1.1	J	pCi/g
Uranium, Total	1500.00	+/- 300	-	ug/g	220.00	+/- 40	-	ug/g	1100.00	+/- 200	-	ug/g
Uranium-233/234												
Uranium-234	740.00	+/- 120	-	pCi/g	1200.00	+/- 170	-	pCi/g	570.00	+/- 90	J	pCi/g
Uranium-235												
Uranium-235/236	97.00	+/- 41	-	pCi/g	110.00	+/- 19	-	pCi/g	40.00	+/- 24	J	pCi/g
Uranium-236												
Uranium-238	500.00	+/- 88	-	pCi/g	970.00	+/- 140	-	pCi/g	620.00	+/- 97	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"			
Process Area:	1				1			
Sample:	3E-013				3E-014			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.37	+/- .47	J	pCi/g	.04		UJ	pCi/g
Cesium-137	.08		UJ	pCi/g	.09		UJ	pCi/g
Lead-210	.91	+/- .59	J	pCi/g	1.20	+/- .59	-	pCi/g
Neptunium-237	.07		UJ	pCi/g	.08		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.06	+/- .4	J	pCi/g	.08	+/- .36	J	pCi/g
Plutonium-241	2.40		UJ	pCi/g	3.20	+/- 2.5	J	pCi/g
Polonium-210	.42		UJ	pCi/g	.38		UJ	pCi/g
Radium-226	.80	+/- .25	-	pCi/g	.80	+/- .25	-	pCi/g
Radium-228	.43	+/- .3	J	pCi/g	.32		UJ	pCi/g
Strontium-90	.08		UJ	pCi/g	.08		UJ	pCi/g
Technetium-99	4.30	+/- .72	-	pCi/g	1.20	+/- .48	-	pCi/g
Thorium-227	8.10	+/- 1.2	-	pCi/g	8.60	+/- 1.2	-	pCi/g
Thorium-228	.26	+/- .44	J	pCi/g	.28	+/- .44	J	pCi/g
Thorium-230	15.00	+/- 2.3	-	pCi/g	13.00	+/- 2	-	pCi/g
Thorium-232	.29	+/- .44	J	pCi/g	.21	+/- .44	J	pCi/g
Uranium, Total	68.00	+/- 10	-	ug/g	100.00	+/- 20	-	ug/g
Uranium-233/234								
Uranium-234	39.00	+/- 5.7	J	pCi/g	42.00	+/- 6.2	J	pCi/g
Uranium-235								
Uranium-235/236	3.20	+/- .6	J	pCi/g	3.60	+/- .63	J	pCi/g
Uranium-236								
Uranium-238	37.00	+/- 5.4	J	pCi/g	39.00	+/- 5.8	J	pCi/g

0004340

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3F-002				3F-003				3F-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.26	+/- .5	J	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.08		UJ	pCi/g	.06		UJ	pCi/g	.07		UJ	pCi/g
Lead-210	1.90	+/- .58	-	pCi/g	.85	+/- .33	-	pCi/g	.89	+/- .43	-	pCi/g
Neptunium-237	.08		UJ	pCi/g	.12	+/- .078	J	pCi/g	.12	+/- .076	J	pCi/g
Plutonium-238	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-241	2.20		UJ	pCi/g	2.40		UJ	pCi/g	1.70		UJ	pCi/g
Polonium-210	2.90	+/- 1.1	-	pCi/g	.37		UJ	pCi/g	.37		UJ	pCi/g
Radium-226	3.30	+/- .82	-	pCi/g	.30	+/- .15	-	pCi/g	.64	+/- .21	-	pCi/g
Radium-228	.33		UJ	pCi/g	.26		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.09		UJ	pCi/g	.09		UJ	pCi/g	.08		UJ	pCi/g
Technetium-99	1.40	+/- .49	-	pCi/g	.56		UJ	pCi/g	.56		UJ	pCi/g
Thorium-227	2.40	+/- 1.3	J	pCi/g	1.00	+/- 1.2	J	pCi/g	1.50	+/- .85	J	pCi/g
Thorium-228	.42	+/- .47	J	pCi/g	.17	+/- .43	J	pCi/g	.20	+/- .32	J	pCi/g
Thorium-230	2.00	+/- .58	-	pCi/g	.48	+/- .45	J	pCi/g	.71	+/- .35	-	pCi/g
Thorium-232	.35	+/- .47	J	pCi/g	.15	+/- .43	J	pCi/g	.21	+/- .32	J	pCi/g
Uranium, Total	35.00	+/- 7	-	ug/g	3.70	+/- .7	-	ug/g	5.30	+/- 1	-	ug/g
Uranium-233/234												
Uranium-234	20.00	+/- 3	J	pCi/g	1.50	+/- .48	J	pCi/g	2.70	+/- .63	J	pCi/g
Uranium-235												
Uranium-235/236	1.70	+/- .48	J	pCi/g	.07	+/- .4	J	pCi/g	.22	+/- .44	J	pCi/g
Uranium-236												
Uranium-238	20.00	+/- 1.7	J	pCi/g	1.30	+/- .46	J	pCi/g	2.40	+/- .6	J	pCi/g

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Radionuclides

Material:	ACID BRICK				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	3F-005				3F-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.06		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.09		UJ	pCi/g	.14		UJ	pCi/g
Lead-210	2.60	+/- 1.1	J	pCi/g	9.10	+/- 2.3	-	pCi/g
Neptunium-237	.19		UJ	pCi/g	.23	+/- .14	J	pCi/g
Plutonium-238	.02	+/- .44	J	pCi/g	.32	+/- .3	J	pCi/g
Plutonium-239								
Plutonium-239/240	.01	+/- .44	J	pCi/g	.18	+/- .3	J	pCi/g
Plutonium-241	-23.70	+/- 4.14	UJ	pCi/g	.73		UJ	pCi/g
Polonium-210	.81	+/- .62	J	pCi/g	7.90	+/- 1.7	-	pCi/g
Radium-226	3.40	+/- .78	-	pCi/g	.49	+/- .31	J	pCi/g
Radium-228	2.00	+/- .64	-	pCi/g	.98	+/- .53	J	pCi/g
Strontium-90	.36	+/- .15	-	pCi/g	.46		UJ	pCi/g
Technetium-99	.49		UJ	pCi/g	2.90		UJ	pCi/g
Thorium-227								
Thorium-228	.85	+/- 1.6	R	pCi/g	1.70	+/- .52	J	pCi/g
Thorium-230	1.10	+/- 1.6	R	pCi/g	15.00	+/- 2.3	J	pCi/g
Thorium-232	1.30	+/- 1.6	R	pCi/g	1.40	+/- .48	J	pCi/g
Uranium, Total	6.90	+/- 1	-	ug/g	110.00	+/- 20	-	ug/g
Uranium-233/234								
Uranium-234	.44	+/- .57	J	pCi/g	64.00	+/- 9.6	J	pCi/g
Uranium-235								
Uranium-235/236	.08		UJ	pCi/g	6.80	+/- 1.4	J	pCi/g
Uranium-236								
Uranium-238	.26		UJ	pCi/g	63.00	+/- 9.3	J	pCi/g

000536

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3G - Refrigeration Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3G-003				3G-004				3G-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.03		NV	pCi/g	.50		UJ	pCi/g	.50		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.02		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	2.20	+/- .9	J	pCi/g	.40	+/- .3	J	pCi/g	.30	+/- .3	J	pCi/g
Neptunium-237	.03		NV	pCi/g	-.02	+/- .0388	UJ	pCi/g	-.02	+/- .0412	UJ	pCi/g
Plutonium-238	.03		NV	pCi/g	.12	+/- .1803	UJ	pCi/g	.12	+/- .1743	UJ	pCi/g
Plutonium-239					.01		NV	pCi/g				
Plutonium-239/240	.06		NV	pCi/g	.01	+/- .08404	UJ	pCi/g	-.09	+/- .07692	UJ	pCi/g
Plutonium-241	.18		NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	1.10		NV	pCi/g	.50	+/- .4	J	pCi/g	.90	+/- .4	J	pCi/g
Radium-226	5.10	+/- .7	J	pCi/g	1.20	+/- .3	J	pCi/g	1.20	+/- .3	J	pCi/g
Radium-228	.40	+/- .4	R	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.70	+/- 2	R	pCi/g	2.20	+/- 2	J	pCi/g	1.40		UJ	pCi/g
Technetium-99	1.00	+/- .3	J	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.57		NV	pCi/g	.13	+/- .175	UJ	pCi/g	.11	+/- .1769	UJ	pCi/g
Thorium-230	1.32		NV	pCi/g	1.90	+/- .3554	J	pCi/g	.39	+/- .2182	J	pCi/g
Thorium-232	.37		NV	pCi/g	.13	+/- .09905	J	pCi/g	.14	+/- .1049	J	pCi/g
Uranium, Total	1220.00	+/- 173	J	ug/g	8.30	+/- 1.2	J	ug/g	8.20	+/- 1.2	J	ug/g
Uranium-233/234												
Uranium-234	340.00		NV	pCi/g	5.07	+/- .8018	J	pCi/g	-17.24	+/- 4.024	UJ	pCi/g
Uranium-235					.27		NV	pCi/g				
Uranium-235/236	32.10		NV	pCi/g	.42	+/- .1099	J	pCi/g	-1.31	+/- .6421	UJ	pCi/g
Uranium-236					.08		NV	pCi/g				
Uranium-238	351.00		NV	pCi/g	5.13	+/- .8032	J	pCi/g	-14.52	+/- 3.437	UJ	pCi/g

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3H-002				3H-003				3H-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.05		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.30	+/- .1	J	pCi/g	.00		UJ	pCi/g	.00		UJ	pCi/g
Lead-210	1.60	+/- 1	J	pCi/g	.60		UJ	pCi/g	.70		UJ	pCi/g
Neptunium-237	.27		NV	pCi/g	.04	+/- .08	UJ	pCi/g	.05	+/- .07	UJ	pCi/g
Plutonium-238	.07		NV	pCi/g	-.06	+/- .2077	UJ	pCi/g	.06	+/- .2106	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.04		NV	pCi/g	.10	+/- .2	R	pCi/g	.20		UJ	pCi/g
Plutonium-241	-.24		NV	pCi/g							NV	pCi/g
Polonium-210	.20		NV	pCi/g	.50	+/- .3	-	pCi/g	.70	+/- .3	-	pCi/g
Radium-226	1.50	+/- .3	-	pCi/g	1.00	+/- .3	-	pCi/g	.70	+/- .2	-	pCi/g
Radium-228	1.20	+/- .8	J	pCi/g	.60		UJ	pCi/g	.80	+/- .8	J	pCi/g
Strontium-90	3.00	+/- 1.2	-	pCi/g	1.20	+/- 1	J	pCi/g	1.60	+/- 1	J	pCi/g
Technetium-99	16.90	+/- 5.2	-	pCi/g	13.60	+/- 4.4	-	pCi/g	3.60	+/- 1.1	-	pCi/g
Thorium-227												
Thorium-228	1.32		NV	pCi/g	.60	+/- .3084	J	pCi/g	.54	+/- .3446	J	pCi/g
Thorium-230	1.92		NV	pCi/g	1.25	+/- .53	J	pCi/g	1.15	+/- .58	J	pCi/g
Thorium-232	.31		NV	pCi/g	.47	+/- .24	J	pCi/g	.36	+/- .23	J	pCi/g
Uranium, Total	1400.00	+/- 198	-	ug/g	238.00	+/- 33.7	-	ug/g	29.70	+/- 4.2	-	ug/g
Uranium-233/234												
Uranium-234	509.00		NV	pCi/g	86.28	+/- 18.13	J	pCi/g	6.73	+/- 1.437	J	pCi/g
Uranium-235												
Uranium-235/236	63.00		NV	pCi/g	5.04	+/- 1.791	J	pCi/g	.37	+/- .1843	J	pCi/g
Uranium-236												
Uranium-238	426.00		NV	pCi/g	71.02	+/- 14.23	J	pCi/g	5.82	+/- 1.149	J	pCi/g

000138

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Radionuclides

Material:	ACID BRICK
Depth:	0-.5"
Process Area:	1
Sample:	3H-005

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	-.02		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	15.40	+/- 6	J	pCi/g
Neptunium-237	.04		NV	pCi/g
Plutonium-238	.04		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.11		NV	pCi/g
Plutonium-241	.04		NV	pCi/g
Polonium-210	6.42		NV	pCi/g
Radium-226	8.60	+/- 1.2	-	pCi/g
Radium-228	.60		UJ	pCi/g
Strontium-90	7.10	+/- 1.8	-	pCi/g
Technetium-99	5.10	+/- 1.6	-	pCi/g
Thorium-227				
Thorium-228	14.90		NV	pCi/g
Thorium-230	29.00		NV	pCi/g
Thorium-232	3.82		NV	pCi/g
Uranium, Total	185.00	+/- 26.2	-	ug/g
Uranium-233/234				
Uranium-234	61.20		NV	pCi/g
Uranium-235				
Uranium-235/236	5.74		NV	pCi/g
Uranium-236				
Uranium-238	62.20		NV	pCi/g

000439

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	1				1				1			
Sample:	3J-002				3J-002A				3J-003			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10	+/- .1	R	pCi/g	2.00	+/- .387	-	pCi/g	.10		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.30	+/- .127	-	pCi/g	.03		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	21.00		UJ	pCi/g	.60	+/- .3	J	pCi/g
Neptunium-237	.02	+/- .03	UJ	pCi/g	1.90	+/- .38	J	pCi/g	.01	+/- .02	UJ	pCi/g
Plutonium-238	.04	+/- .08	UJ	pCi/g	.01		UJ	pCi/g	-.01	+/- .08	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.02	+/- .04	UJ	pCi/g	.07	+/- .0172	-	pCi/g	-.03	+/- .03	UJ	pCi/g
Plutonium-241					24.50	+/- 2.78	-	pCi/g				
Polonium-210	1.40	+/- .3	J	pCi/g	5.12	+/- .701	-	pCi/g	1.20	+/- .2	J	pCi/g
Radium-226	1.20	+/- .2	-	pCi/g	7.07	+/- .586	-	pCi/g	1.20	+/- .3	-	pCi/g
Radium-228	.20	+/- .3	J	pCi/g	2.23	+/- .359	-	pCi/g	.20	+/- .3	J	pCi/g
Strontium-90	.30	+/- .4	J	pCi/g	1.82	+/- .337	-	pCi/g	.30		UJ	pCi/g
Technetium-99	2.20	+/- .6	-	pCi/g	183.00	+/- 14.5	-	pCi/g	.70	+/- .3	-	pCi/g
Thorium-227												
Thorium-228	.19	+/- .1	J	pCi/g	3.62		UJ	pCi/g	.26	+/- .11	J	pCi/g
Thorium-230	1.42	+/- .27	J	pCi/g	244.00	+/- 25.6	-	pCi/g	.58	+/- .18	J	pCi/g
Thorium-232	.16	+/- .08	J	pCi/g	7.57	+/- 2.32	-	pCi/g	.17	+/- .08	J	pCi/g
Uranium, Total	6.90	+/- 1	J	ug/g	6390.00	+/- 389	-	ug/g	1.70	+/- .2	J	ug/g
Uranium-233/234												
Uranium-234	2.54	+/- .38	J	pCi/g	3560.00	+/- 359	-	pCi/g	.51	+/- .12	J	pCi/g
Uranium-235												
Uranium-235/236	.31	+/- .07	J	pCi/g	560.00	+/- 64	-	pCi/g	.03	+/- .03	J	pCi/g
Uranium-236												
Uranium-238	2.06	+/- .31	J	pCi/g	3060.00	+/- 310	-	pCi/g	.42	+/- .11	J	pCi/g

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"				1-4"			
Process Area:	1				1				1			
Sample:	3J-003A				3J-004				3J-004A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/g	.10		UJ	pCi/g	.14		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.04		UJ	pCi/g	.07		UJ	pCi/g
Lead-210	2.94		UJ	pCi/g	.50	+/- .2	J	pCi/g	26.90	+/- 3.94	-	pCi/g
Neptunium-237	.12		UJ	pCi/g	-.02	+/- .02	UJ	pCi/g	.17	+/- .102	J	pCi/g
Plutonium-238	.00	+/- .00809	J	pCi/g	.05	+/- .08	UJ	pCi/g	.55	+/- .063	-	pCi/g
Plutonium-239												
Plutonium-239/240	.19	+/- .0303	-	pCi/g	-.04	+/- .04	UJ	pCi/g	8.59	+/- .733	-	pCi/g
Plutonium-241	2.50	+/- .918	-	pCi/g					.85		UJ	pCi/g
Polonium-210	.77	+/- .162	-	pCi/g	1.00	+/- .2	-	pCi/g	7.51	+/- .875	-	pCi/g
Radium-226	.86	+/- .0934	-	pCi/g	.80	+/- .2	-	pCi/g	9.21	+/- .679	-	pCi/g
Radium-228	.26	+/- .101	-	pCi/g	.30		UJ	pCi/g	1.23	+/- .19	-	pCi/g
Strontium-90	.16		UJ	pCi/g	.30		UJ	pCi/g	.28		UJ	pCi/g
Technetium-99	32.70	+/- 2.88	-	pCi/g	6.90	+/- 1.8	-	pCi/g	.44	+/- .314	J	pCi/g
Thorium-227												
Thorium-228	.45	+/- .0903	-	pCi/g	.16	+/- .1	J	pCi/g	6.90		UJ	pCi/g
Thorium-230	6.91	+/- .7	-	pCi/g	.43	+/- .17	J	pCi/g	153.00	+/- 21	-	pCi/g
Thorium-232	.39	+/- .0707	-	pCi/g	.06	+/- .07	UJ	pCi/g	5.55	+/- 2.86	J	pCi/g
Uranium, Total	1850.00	+/- 113	-	ug/g	1.60	+/- .2	J	ug/g	29.80	+/- 1.86	-	ug/g
Uranium-233/234												
Uranium-234	37.00	+/- 3.37	-	pCi/g	.41	+/- .11	J	pCi/g	18.50	+/- 1.57	-	pCi/g
Uranium-235												
Uranium-235/236	3.32	+/- .376	-	pCi/g	.02	+/- .03	UJ	pCi/g	1.91	+/- .2	-	pCi/g
Uranium-236												
Uranium-238	29.80	+/- 2.73	-	pCi/g	.33	+/- .1	J	pCi/g	17.70	+/- 1.51	-	pCi/g

000141

7173

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Radionuclides

Material:	ACID BRICK				ACID BRICK			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	3J-005				3J-005A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.27		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.20		UJ	pCi/g
Lead-210	.40	+/- .2	J	pCi/g	54.30	+/- 6.06	-	pCi/g
Neptunium-237	-.03	+/- .0558	UJ	pCi/g	.15		UJ	pCi/g
Plutonium-238	-.16	+/- .109	UJ	pCi/g	.49	+/- .0618	-	pCi/g
Plutonium-239								
Plutonium-239/240	.04	+/- .05	UJ	pCi/g	5.79	+/- .512	-	pCi/g
Plutonium-241					20.10	+/- 2.78	-	pCi/g
Polonium-210	12.30	+/- 1.7	-	pCi/g	45.60	+/- 5.12	-	pCi/g
Radium-226	.60	+/- .2	-	pCi/g	104.00	+/- 7.42	-	pCi/g
Radium-228	.30		UJ	pCi/g	5.30	+/- .556	-	pCi/g
Strontium-90	.30		UJ	pCi/g	.84	+/- .202	-	pCi/g
Technetium-99	10.60	+/- 2.7	-	pCi/g	167.00	+/- 1.54	-	pCi/g
Thorium-227								
Thorium-228	2.30	+/- .43	J	pCi/g	9.54	+/- 1.82	-	pCi/g
Thorium-230	4.41	+/- .76	J	pCi/g	63.40	+/- 7.21	-	pCi/g
Thorium-232	1.26	+/- .26	J	pCi/g	3.28	+/- .798	-	pCi/g
Uranium, Total	9.40	+/- 1.3	J	ug/g	865.00	+/- 52.7	-	ug/g
Uranium-233/234								
Uranium-234	6.15	+/- .86	J	pCi/g	335.00	+/- 32	-	pCi/g
Uranium-235								
Uranium-235/236	.58	+/- .11	J	pCi/g	69.50	+/- 7.51	-	pCi/g
Uranium-236								
Uranium-238	4.86	+/- .69	J	pCi/g	295.00	+/- 28.3	-	pCi/g

000142

Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3K-003				3K-004				3K-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.09	+/- .071	J	pCi/g	.07		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	1.30	+/- .55	-	pCi/g	.87	+/- .37	-	pCi/g	.79	+/- .33	-	pCi/g
Neptunium-237	.08		UJ	pCi/g	.08		UJ	pCi/g	.09		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.03		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-241	1.90		UJ	pCi/g	1.80		UJ	pCi/g	2.00		UJ	pCi/g
Polonium-210	1.50	+/- 1	J	pCi/g	.37		UJ	pCi/g	.55		UJ	pCi/g
Radium-226	1.30	+/- .34	-	pCi/g	.49	+/- .16	-	pCi/g	.36	+/- .13	-	pCi/g
Radium-228	.34	+/- .2	J	pCi/g	.26		UJ	pCi/g	.23		UJ	pCi/g
Strontium-90	.09		UJ	pCi/g	.08		UJ	pCi/g	.21		UJ	pCi/g
Technetium-99	.56		UJ	pCi/g	.56		UJ	pCi/g	.57		UJ	pCi/g
Thorium-227	4.70	+/- .8	-	pCi/g	3.70	+/- .82	-	pCi/g	2.90	+/- .76	-	pCi/g
Thorium-228	.35	+/- .3	J	pCi/g	.34	+/- .31	J	pCi/g	.22	+/- .28	J	pCi/g
Thorium-230	6.90	+/- 1.1	-	pCi/g	1.50	+/- .39	-	pCi/g	.60	+/- .3	-	pCi/g
Thorium-232	.29	+/- .3	J	pCi/g	.23	+/- .31	J	pCi/g	.20	+/- .28	J	pCi/g
Uranium, Total	97.00	+/- 20	-	ug/g	15.00	+/- .24	-	ug/g	1.00	+/- .2	-	ug/g
Uranium-233/234												
Uranium-234	47.00	+/- 6.9	J	pCi/g	7.30	+/- 1.3	J	pCi/g	1.20	+/- .51	J	pCi/g
Uranium-235												
Uranium-235/236	3.10	+/- .59	J	pCi/g	.41	+/- .53	J	pCi/g	.10	+/- .46	J	pCi/g
Uranium-236												
Uranium-238	44.00	+/- 6.6	J	pCi/g	6.80	+/- 1.2	J	pCi/g	1.10	+/- .51	J	pCi/g

0003432

C2L2

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3L - Electrical Power Center Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	3L-004				3L-005 DUP				3L-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.50		NV	pCi/g	.00		NV	pCi/g	.20		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.20		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.70	+/- .3	J	pCi/g	.60	+/- .3	J	pCi/g	.30	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .0203	UJ	pCi/g	.05	+/- .0345	J	pCi/g	.05	+/- .0773	UJ	pCi/g
Plutonium-238	.00	+/- .2	UJ	pCi/g	-.10	+/- .2	UJ	pCi/g	-.05	+/- .2	UJ	pCi/g
Plutonium-239									-.03	+/- .11	UJ	pCi/g
Plutonium-239/240	.10	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g				
Plutonium-241			NV	pCi/g			NV	pCi/g				
Polonium-210	1.60	+/- .4	J	pCi/g	1.20	+/- .3	J	pCi/g	1.40	+/- .3	J	pCi/g
Radium-226	1.50	+/- 1.8	R	pCi/g	1.50	+/- 1.8	R	pCi/g	.80	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.90		UJ	pCi/g	1.20	+/- 1.1	J	pCi/g	.50	+/- .6	J	pCi/g
Technetium-99	1.90	+/- .5	J	pCi/g	1.70	+/- .5	J	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.30	+/- .15	J	pCi/g	.29	+/- .15	J	pCi/g	.42	+/- .17	J	pCi/g
Thorium-230	1.16	+/- .32	J	pCi/g	.70	+/- .26	J	pCi/g	.44	+/- .25	J	pCi/g
Thorium-232	.11	+/- .11	J	pCi/g	.19	+/- .12	J	pCi/g	.15	+/- .16	UJ	pCi/g
Uranium, Total	27.20	+/- 3.9	J	ug/g	19.00	+/- 2.7	J	ug/g	4.10	+/- .6	J	ug/g
Uranium-233/234												
Uranium-234	105.70	+/- 23.14	J	pCi/g	11.49	+/- 2.58	J	pCi/g	1.01	+/- .17	J	pCi/g
Uranium-235	8.00	+/- 3.7	J	pCi/g	3.40	+/- .92	J	pCi/g	.11	+/- .05	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	127.90	+/- 26.83	J	pCi/g	13.12	+/- 2.85	J	pCi/g	1.02	+/- .17	J	pCi/g

0001444

Material:	STEEL COATINGS
Depth:	
Process Area:	1
Sample:	3L-008A

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20	+/- .06	J	pCi/g
Cesium-137	.55		UJ	pCi/g
Lead-210	.64		UJ	pCi/g
Neptunium-237	.07	+/- .052	J	pCi/g
Plutonium-238	.43	+/- .14	J	pCi/g
Plutonium-239				
Plutonium-239/240	.68	+/- .13	J	pCi/g
Plutonium-241	5.90	+/- 4.1	J	pCi/g
Polonium-210	1.58	+/- .39	-	pCi/g
Radium-226	12.20	+/- 1.7	J	pCi/g
Radium-228	1.98	+/- 1.4	J	pCi/g
Strontium-90	.55	+/- .45	J	pCi/g
Technetium-99	18.50	+/- 1.9	J	pCi/g
Thorium-227				
Thorium-228	19.70	+/- 3.9	J	pCi/g
Thorium-230	36.10	+/- 6.7	J	pCi/g
Thorium-232	17.70	+/- 3.6	J	pCi/g
Uranium, Total	13300.00	+/- 370	J	ug/g
Uranium-233/234				
Uranium-234	3240.00	+/- 1000	J	pCi/g
Uranium-235				
Uranium-235/236	354.00	+/- 120	J	pCi/g
Uranium-236				
Uranium-238	3110.00	+/- 990	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	4A-003A				4A-004A DUP				4A-007A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.04		NV	pCi/g	.00		NV	pCi/g	.07		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.04		UJ	pCi/g	.70	+/- .52	J	pCi/g
Lead-210	.90	+/- .3	J	pCi/g	.80	+/- .3	J	pCi/g	1.63	+/- .65	J	pCi/g
Neptunium-237	.19		NV	pCi/g	.19	+/- .1622	UJ	pCi/g	.23	+/- .13	J	pCi/g
Plutonium-238	.01		NV	pCi/g	-.10	+/- .2	UJ	pCi/g	.40	+/- .1	J	pCi/g
Plutonium-239												
Plutonium-239/240	.00		NV	pCi/g	.10	+/- .1	J	pCi/g	.53	+/- .12	J	pCi/g
Plutonium-241	3.70		NV	pCi/g			NV	pCi/g	17.10		-	pCi/g
Polonium-210	.44		NV	pCi/g	1.50	+/- .4	J	pCi/g	3.12	+/- .63	J	pCi/g
Radium-226	2.10	+/- .3	J	pCi/g	1.60	+/- 2	R	pCi/g	8.63	+/- 1.2	J	pCi/g
Radium-228	.70	+/- .4	J	pCi/g	.40	+/- .3	J	pCi/g	11.00	+/- 2.8	J	pCi/g
Strontium-90	1.00		UJ	pCi/g	.90		UJ	pCi/g	.62		UJ	pCi/g
Technetium-99	52.80	+/- 63.5	J	pCi/g	46.00	+/- 55.4	R	pCi/g	160.00	+/- 16	J	pCi/g
Thorium-227												
Thorium-228	1.10		NV	pCi/g	.83	+/- .23	J	pCi/g	16.00	+/- 2.9	J	pCi/g
Thorium-230	2.00		NV	pCi/g	1.90	+/- .38	J	pCi/g	45.60	+/- 8.2	J	pCi/g
Thorium-232	.67		NV	pCi/g	.56	+/- .16	J	pCi/g	15.30	+/- 2.8	J	pCi/g
Uranium, Total	3230.00	+/- 458	J	ug/g	936.00	+/- 133	J	ug/g	22900.00	+/- 540	-	ug/g
Uranium-233/234									3530.00	+/- 690	J	pCi/g
Uranium-234	111.00		NV	pCi/g	1074.00	+/- 330.8	J	pCi/g				
Uranium-235					316.70	+/- 114.6	J	pCi/g				
Uranium-235/236	164.00		NV	pCi/g					188.00	+/- 41	J	pCi/g
Uranium-236												
Uranium-238	1200.00		NV	pCi/g	1238.00	+/- 377.1	J	pCi/g	3910.00	+/- 760	J	pCi/g

00946

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	2				2				2			
Sample:	4A-017A				4A-018A				4A-019A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.04	+/- .061	NV	pCi/g	-.05		NV	pCi/g	-.01		NV	pCi/g
Cesium-137	.04		UJ	pCi/g	.10	+/- .03	J	pCi/g	.03		UJ	pCi/g
Lead-210	.50	+/- .2	J	pCi/g	.50	+/- .2	J	pCi/g	.50	+/- .3	J	pCi/g
Neptunium-237	.00	+/- .05	NV	pCi/g	.00	+/- .053	NV	pCi/g	3.88		NV	pCi/g
Plutonium-238	-.02	+/- .04	NV	pCi/g	-.02		NV	pCi/g	.06		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.02	+/- .028	NV	pCi/g	-.01		NV	pCi/g	.02		NV	pCi/g
Plutonium-241	.48	+/- 1	NV	pCi/g	-.01		NV	pCi/g	.68		NV	pCi/g
Polonium-210	.33	+/- .18	NV	pCi/g	.04		NV	pCi/g	.32		NV	pCi/g
Radium-226	2.60	+/- 3.2	R	pCi/g	1.50	+/- 1.8	R	pCi/g	1.40	+/- 1.7	R	pCi/g
Radium-228	1.40	+/- .4	J	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.00		UJ	pCi/g	.90		UJ	pCi/g	.80		UJ	pCi/g
Technetium-99	31.00	+/- 37.3	R	pCi/g	12.90	+/- 15.5	R	pCi/g	2.50	+/- 3.1	R	pCi/g
Thorium-227												
Thorium-228	1.70	+/- .27	NV	pCi/g	.49		NV	pCi/g	.26		NV	pCi/g
Thorium-230	1.60	+/- .24	NV	pCi/g	.80		NV	pCi/g	.47		NV	pCi/g
Thorium-232	.90	+/- .15	NV	pCi/g	.22		NV	pCi/g	.16		NV	pCi/g
Uranium, Total	183.00	+/- 25.8	J	ug/g	51.50	+/- 7.3	J	ug/g	5.50	+/- .8	J	ug/g
Uranium-233/234												
Uranium-234	75.56	+/- 18.76	J	pCi/g	14.00		NV	pCi/g	1.22		NV	pCi/g
Uranium-235	19.85	+/- 6.12	J	pCi/g								
Uranium-235/236					2.10		NV	pCi/g	.13		NV	pCi/g
Uranium-236												
Uranium-238	84.32	+/- 20.64	J	pCi/g	16.00		NV	pCi/g	1.26		NV	pCi/g

000147

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				STEEL COATINGS				STEEL COATINGS			
Depth:	0-.5"											
Process Area:	2				2				2			
Sample:	4A-020A DUP				4A-023A				4A-025A DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.00		NV	pCi/g	.19	+/- .096	J	pCi/g	.33	+/- .11	J	pCi/g
Cesium-137	.10		UJ	pCi/g	.52		UJ	pCi/g	.50		UJ	pCi/g
Lead-210	1.00	+/- .3	J	pCi/g	3.04	+/- .69	J	pCi/g	5.11	+/- .74	J	pCi/g
Neptunium-237	.01	+/- .0241	UJ	pCi/g	.46	+/- .16	-	pCi/g	.38	+/- .15	-	pCi/g
Plutonium-238	.00	+/- .2	UJ	pCi/g	1.68	+/- .27	J	pCi/g	1.22	+/- .3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.10	+/- .1	J	pCi/g	.80	+/- .14	-	pCi/g	1.48	+/- .28	J	pCi/g
Plutonium-241			NV	pCi/g	6.65	+/- 5.3	R	pCi/g	6.89	+/- 2.5	-	pCi/g
Polonium-210	1.40	+/- .4	J	pCi/g	4.35	+/- .96	J	pCi/g	8.16	+/- 2.5	J	pCi/g
Radium-226	2.80	+/- 3.4	R	pCi/g	1.71	+/- .29	J	pCi/g	11.10	+/- 1.6	J	pCi/g
Radium-228	.80	+/- .3	J	pCi/g	87.10	+/- 13	J	pCi/g	2.69	+/- 1.3	J	pCi/g
Strontium-90	.90		UJ	pCi/g	1.30		UJ	pCi/g	.56		UJ	pCi/g
Technetium-99	26.00	+/- 31.3	R	pCi/g	153.00	+/- 15	J	pCi/g	292.00	+/- 28	J	pCi/g
Thorium-227												
Thorium-228	1.26	+/- .29	J	pCi/g	37.60	+/- 6.9	J	pCi/g	8.67	+/- 2.4	J	pCi/g
Thorium-230	.76	+/- .27	J	pCi/g	25.20	+/- 4.7	J	pCi/g	257.00	+/- 61	J	pCi/g
Thorium-232	.86	+/- .22	J	pCi/g	41.50	+/- 7.6	J	pCi/g	7.71	+/- 2.2	J	pCi/g
Uranium, Total	201.00	+/- 28.4	J	ug/g	18000.00	+/- 430	-	ug/g	13200.00	+/- 310	-	ug/g
Uranium-233/234					2130.00	+/- 430	J	pCi/g	2850.00	+/- 560	J	pCi/g
Uranium-234	93.66	+/- 23.44	J	pCi/g								
Uranium-235	23.19	+/- 7.18	J	pCi/g								
Uranium-235/236					97.80	+/- 24	J	pCi/g	127.00	+/- 30	J	pCi/g
Uranium-236												
Uranium-238	114.00	+/- 27.99	J	pCi/g	2160.00	+/- 430	J	pCi/g	2700.00	+/- 530	J	pCi/g

000748

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	3				3				3			
Sample:	4A-028A				4A-029A				4A-030A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.02		NV	pCi/g	-.04		NV	pCi/g	.01		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	.60	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g
Neptunium-237	.66		NV	pCi/g	.04		NV	pCi/g	-.01		NV	pCi/g
Plutonium-238	.05		NV	pCi/g	.01		NV	pCi/g	-.01		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.28		NV	pCi/g	.06		NV	pCi/g	.00		NV	pCi/g
Plutonium-241	.72		NV	pCi/g	.88		NV	pCi/g	.14		NV	pCi/g
Polonium-210	.22		NV	pCi/g	.46		NV	pCi/g	.32		NV	pCi/g
Radium-226	2.00	+/- .4	-	pCi/g	1.20	+/- .3	-	pCi/g	1.10	+/- .2	-	pCi/g
Radium-228	.80	+/- .4	J	pCi/g	.30	+/- .3	J	pCi/g	.80	+/- .4	J	pCi/g
Strontium-90	.90		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	.20		UJ	pCi/g	9.40	+/- 2.4	-	pCi/g	2.70	+/- .7	-	pCi/g
Thorium-227												
Thorium-228	.01		NV	pCi/g	.42		NV	pCi/g	.32		NV	pCi/g
Thorium-230	9.76		NV	pCi/g	.53		NV	pCi/g	.63		NV	pCi/g
Thorium-232	1.76		NV	pCi/g	.13		NV	pCi/g	.09		NV	pCi/g
Uranium, Total	2140.00	+/- 302	J	ug/g	134.00	+/- 18.9	J	ug/g	8.70	+/- 1.2	J	ug/g
Uranium-233/234												
Uranium-234	845.00		NV	pCi/g	50.00		NV	pCi/g	5.90		NV	pCi/g
Uranium-235												
Uranium-235/236	113.00		NV	pCi/g	5.20		NV	pCi/g	.64		NV	pCi/g
Uranium-236												
Uranium-238	673.00		NV	pCi/g	42.00		NV	pCi/g	4.40		NV	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS			
Depth:				
Process Area:	3			
Sample:	4A-032A			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.08		UJ	pCi/g
Cesium-137	.63		UJ	pCi/g
Lead-210	.83	+/- .57	J	pCi/g
Neptunium-237	.20		UJ	pCi/g
Plutonium-238	1.17	+/- .33	J	pCi/g
Plutonium-239				
Plutonium-239/240	.43	+/- .19	J	pCi/g
Plutonium-241	1.59	+/- 2.5	J	pCi/g
Polonium-210	4.05	+/- .86	J	pCi/g
Radium-226	3.42	+/- .51	J	pCi/g
Radium-228	1.40		UJ	pCi/g
Strontium-90	.53		UJ	pCi/g
Technetium-99	5.45	+/- .85	J	pCi/g
Thorium-227				
Thorium-228	4.82	+/- .93	J	pCi/g
Thorium-230	11.80	+/- 2.2	J	pCi/g
Thorium-232	4.27	+/- .83	J	pCi/g
Uranium, Total	1040.00	+/- 24	-	ug/g
Uranium-233/234	265.00	+/- 57	J	pCi/g
Uranium-234				
Uranium-235				
Uranium-235/236	11.70	+/- 2.8	J	pCi/g
Uranium-236				
Uranium-238	226.00	+/- 49	J	pCi/g

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Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	4C-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.40		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.70	+/- .3	J	pCi/g
Neptunium-237	.05	+/- .1461	UJ	pCi/g
Plutonium-238	.12	+/- .19	UJ	pCi/g
Plutonium-239	-.01	+/- .08	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.20	+/- .3	-	pCi/g
Radium-226	1.00	+/- .2	J	pCi/g
Radium-228	.30	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	3.10	+/- 2.4	J	pCi/g
Thorium-227				
Thorium-228	.32	+/- .16	J	pCi/g
Thorium-230	.95	+/- .29	J	pCi/g
Thorium-232	.28	+/- .12	J	pCi/g
Uranium, Total	263.00	+/- 37.2	J	ug/g
Uranium-233/234				
Uranium-234	67.90	+/- 11.11	J	pCi/g
Uranium-235	13.86	+/- 3.39	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	72.23	+/- 11.67	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				2				2			
Sample:	5A-003				5A-009				5A-010 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07	+/- .27	J	pCi/g	.18		UJ	pCi/g	.05	+/- .29	J	pCi/g
Cesium-137	.30		UJ	pCi/g	.32		UJ	pCi/g	.22		UJ	pCi/g
Lead-210	4.40		UJ	pCi/g	3.80		UJ	pCi/g	3.50		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.04	+/- .039	J	pCi/g	.06		UJ	pCi/g
Plutonium-238	.06	+/- .28	J	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.06	+/- .28	J	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241	-17.00	+/- -15	UJ	pCi/g	1.70		UJ	pCi/g	-17.00	+/- 2.5	UJ	pCi/g
Polonium-210	.29	+/- .7	J	pCi/g	9.40	+/- 4.2	-	pCi/g	.31	+/- .69	J	pCi/g
Radium-226	.51		UJ	pCi/g	2.40	+/- .76	-	pCi/g	.39		UJ	pCi/g
Radium-228	.87		UJ	pCi/g	.92		UJ	pCi/g	.66		UJ	pCi/g
Strontium-90	.18		UJ	pCi/g	.09		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	39.00	+/- 4.5	-	pCi/g	8.50	+/- 1.1	-	pCi/g	8.60	+/- 1.1	-	pCi/g
Thorium-227					.28	+/- .7	J	pCi/g				
Thorium-228	8.20		UJ	pCi/g	.46	+/- .29	J	pCi/g	.32		UJ	pCi/g
Thorium-230	32.00	+/- 110	J	pCi/g	6.50	+/- 1	-	pCi/g	1.60	+/- 2.7	J	pCi/g
Thorium-232	11.00		UJ	pCi/g	.40	+/- .29	J	pCi/g	.36	+/- 2.7	J	pCi/g
Uranium, Total	7800.00	+/- 1000	J	ug/g	4700.00	+/- 900	J	ug/g	7100.00	+/- 1000	J	ug/g
Uranium-233/234												
Uranium-234	4000.00	+/- 610	-	pCi/g	19000.00	+/- 2900	-	pCi/g	1700.00	+/- 260	J	pCi/g
Uranium-235												
Uranium-235/236	260.00	+/- 180	J	pCi/g	1700.00	+/- 530	J	pCi/g	130.00	+/- 26	J	pCi/g
Uranium-236												
Uranium-238	5300.00	+/- 810	-	pCi/g	37000.00	+/- 5500	J	pCi/g	3200.00	+/- 480	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	2				3				3			
Sample:	5A-012				5A-017				5A-018			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.43	+/- 1.4	J	pCi/g	.20	+/- .3	J	pCi/g	.07	+/- .27	J	pCi/g
Cesium-137	.89		UJ	pCi/g	.21		UJ	pCi/g	.21		UJ	pCi/g
Lead-210	8.10		UJ	pCi/g	3.00		UJ	pCi/g	2.80		UJ	pCi/g
Neptunium-237	.16	+/- .053	J	pCi/g	.11	+/- .062	J	pCi/g	.07	+/- .055	J	pCi/g
Plutonium-238	.06	+/- .4	J	pCi/g	.04	+/- .31	J	pCi/g	.03	+/- .3	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.30	+/- .46	-	pCi/g	.24	+/- .32	J	pCi/g	.13	+/- .3	J	pCi/g
Plutonium-241	1.50		UJ	pCi/g	.99	+/- .97	UJ	pCi/g	-11.00	+/- 2.2	UJ	pCi/g
Polonium-210	1.50	+/- .9	J	pCi/g	.28	+/- .92	J	pCi/g	.30	+/- .62	J	pCi/g
Radium-226	1.80	+/- 1	J	pCi/g	.40		UJ	pCi/g	.38		UJ	pCi/g
Radium-228	3.10		UJ	pCi/g	.66		UJ	pCi/g	.64		UJ	pCi/g
Strontium-90	.15		UJ	pCi/g	.17		UJ	pCi/g	.05	+/- .22	-	pCi/g
Technetium-99	3.70	+/- 3	J	pCi/g	210.00	+/- 24	-	pCi/g	140.00	+/- 16	-	pCi/g
Thorium-227	.29		UJ	pCi/g								
Thorium-228	.83	+/- 1.2	J	pCi/g	1.70		UJ	pCi/g	1.60		UJ	pCi/g
Thorium-230	13.00	+/- 2.3	-	pCi/g	4.50	+/- 9.3	J	pCi/g	5.60	+/- 9.1	J	pCi/g
Thorium-232	.63	+/- 1.2	J	pCi/g	1.30		UJ	pCi/g	.66		UJ	pCi/g
Uranium, Total	18000.00	+/- 3000	-	ug/g	4800.00	+/- 900	J	ug/g	2900.00	+/- 600	J	ug/g
Uranium-233/234												
Uranium-234	7000.00	+/- 1000	R	pCi/g	1800.00	+/- 260	-	pCi/g	970.00	+/- 140	-	pCi/g
Uranium-235												
Uranium-235/236	540.00	+/- 130	R	pCi/g	190.00	+/- 36	-	pCi/g	100.00	+/- 25	-	pCi/g
Uranium-236												
Uranium-238	7500.00	+/- 1100	R	pCi/g	2100.00	+/- 310	J	pCi/g	1400.00	+/- 210	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				STEEL COATINGS				CONCRETE CHIPS			
Depth:	1-4"								0-.5"			
Process Area:	3				3				4			
Sample:	5A-019				5A-021				5A-022			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	.15		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.07		UJ	pCi/g	.49		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	.76		UJ	pCi/g	4.60		UJ	pCi/g	.75		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g	.11	+/- .045	J	pCi/g	.06		UJ	pCi/g
Plutonium-238	.02		UJ	pCi/g	.04		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.02		UJ	pCi/g	.28	+/- .36	J	pCi/g	.03		UJ	pCi/g
Plutonium-241					1.30		UJ	pCi/g	-2.40	+/- 1	UJ	pCi/g
Polonium-210	.26	+/- .7	J	pCi/g	1.50	+/- .84	J	pCi/g	.18	+/- .74	J	pCi/g
Radium-226	.30	+/- .15	-	pCi/g	.81		UJ	pCi/g	.37	+/- .13	-	pCi/g
Radium-228	.30	+/- .23	J	pCi/g	3.90	+/- 1.5	-	pCi/g	.31	+/- .18	J	pCi/g
Strontium-90	.17		UJ	pCi/g	.14		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	6.80	+/- .92	-	pCi/g	27.00	+/- 5.2	-	pCi/g	4.90	+/- .72	-	pCi/g
Thorium-227					1.00	+/- 2.5	J	pCi/g				
Thorium-228	.17		UJ	pCi/g	2.20	+/- 1.2	J	pCi/g	.60		UJ	pCi/g
Thorium-230	.64	+/- .91	J	pCi/g	18.00	+/- 3	-	pCi/g	1.90	+/- 5.8	J	pCi/g
Thorium-232	.22	+/- .89	J	pCi/g	2.20	+/- 1.2	J	pCi/g	.56	+/- 5.7	J	pCi/g
Uranium, Total	84.00	+/- 20	J	ug/g	3200.00	+/- 600	J	ug/g	320.00	+/- 60	J	ug/g
Uranium-233/234												
Uranium-234	54.00	+/- 8.1	-	pCi/g	2300.00	+/- 340	R	pCi/g	110.00	+/- 17	-	pCi/g
Uranium-235												
Uranium-235/236	4.70	+/- .94	-	pCi/g	150.00	+/- 49	R	pCi/g	8.60	+/- 8.1	J	pCi/g
Uranium-236												
Uranium-238	58.00	+/- 8.6	J	pCi/g	2600.00	+/- 390	R	pCi/g	130.00	+/- 21	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	4				5				5			
Sample:	5A-023				5A-025				5A-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.16		UJ	pCi/g	.16		UJ	pCi/g	.71	+/- 1.3	J	pCi/g
Cesium-137	.63	+/- .34	J	pCi/g	.73		UJ	pCi/g	.88		UJ	pCi/g
Lead-210	3.20		UJ	pCi/g	7.50		UJ	pCi/g	7.80		UJ	pCi/g
Neptunium-237	.12	+/- .046	J	pCi/g	.19	+/- .065	J	pCi/g	.33	+/- .086	J	pCi/g
Plutonium-238	.05		UJ	pCi/g	.02		UJ	pCi/g	.10	+/- .38	J	pCi/g
Plutonium-239												
Plutonium-239/240	.20	+/- .39	J	pCi/g	.03	+/- .28	J	pCi/g	.99	+/- .43	-	pCi/g
Plutonium-241	1.40		UJ	pCi/g	4.60	+/- 2.7	J	pCi/g	1.40		UJ	pCi/g
Polonium-210	1.70	+/- .86	J	pCi/g	1.60	+/- 1.1	J	pCi/g	.94	+/- .85	J	pCi/g
Radium-226	.63		UJ	pCi/g	3.60	+/- 1.4	-	pCi/g	1.50		UJ	pCi/g
Radium-228	1.80	+/- 1.4	J	pCi/g	2.00		UJ	pCi/g	3.50	+/- 2	J	pCi/g
Strontium-90	.14		UJ	pCi/g	.08		UJ	pCi/g	.13		UJ	pCi/g
Technetium-99	30.00	+/- 5.6	-	pCi/g	29.00	+/- 3.4	-	pCi/g	120.00	+/- 21	-	pCi/g
Thorium-227	.45	+/- 2.5	U	pCi/g	.16	+/- .74	J	pCi/g	.65	+/- 2.4	J	pCi/g
Thorium-228	1.40	+/- 1.2	J	pCi/g	.46	+/- .31	J	pCi/g	1.50	+/- 1.1	J	pCi/g
Thorium-230	7.40	+/- 1.7	-	pCi/g	2.10	+/- .45	-	pCi/g	39.00	+/- 5.9	-	pCi/g
Thorium-232	1.20	+/- 1.2	J	pCi/g	.37	+/- .3	J	pCi/g	1.30	+/- 1.1	J	pCi/g
Uranium, Total	2500.00	+/- 500	J	ug/g	10000.00	+/- 2000	J	ug/g	17000.00	+/- 3000	-	ug/g
Uranium-233/234												
Uranium-234	1000.00	+/- 150	J	pCi/g	800.00	+/- 140	-	pCi/g	5800.00	+/- 860	R	pCi/g
Uranium-235												
Uranium-235/236	74.00	+/- 28	J	pCi/g	110.00	+/- 57	-	pCi/g	370.00	+/- 100	R	pCi/g
Uranium-236												
Uranium-238	1100.00	+/- 170	J	pCi/g	4200.00	+/- 630	-	pCi/g	6300.00	+/- 920	R	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	5				6				6			
Sample:	5A-027(TCLP)				5A-029				5A-030			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/L	.16		UJ	pCi/g	.38		UJ	pCi/g
Cesium-137	7.10		UJ	pCi/L	.51		UJ	pCi/g	.67	+/- .3	-	pCi/g
Lead-210	140.00	+/- 100	J	pCi/L	6.10		UJ	pCi/g	2.10		UJ	pCi/g
Neptunium-237	.10		UJ	pCi/L	.05	+/- .045	J	pCi/g	.07	+/- .04	J	pCi/g
Plutonium-238	.05		UJ	pCi/L	.01		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.08		UJ	pCi/L	.03		UJ	pCi/g	.40	+/- .37	J	pCi/g
Plutonium-241					36.00	+/- .68	J	pCi/g	1.30		UJ	pCi/g
Polonium-210	.13		UJ	pCi/L	2.70	+/- 1.2	-	pCi/g	2.20	+/- .92	-	pCi/g
Radium-226	.36	+/- .14	-	pCi/L	3.70	+/- 1.2	-	pCi/g	.50	+/- .29	J	pCi/g
Radium-228	1.40		UJ	pCi/L	1.50		UJ	pCi/g	1.20	+/- .83	J	pCi/g
Strontium-90	.84		UJ	pCi/L	.10		UJ	pCi/g	.14		UJ	pCi/g
Technetium-99	160.00	+/- 28	-	pCi/L	60.00	+/- 6.9	-	pCi/g	110.00	+/- 17	-	pCi/g
Thorium-227					.10		UJ	pCi/g	.32		UJ	pCi/g
Thorium-228	.22		UJ	pCi/L	.34	+/- .29	J	pCi/g	.85	+/- 1.1	J	pCi/g
Thorium-230	.14		UJ	pCi/L	2.00	+/- .42	-	pCi/g	7.20	+/- 1.6	-	pCi/g
Thorium-232	.06		UJ	pCi/L	.23	+/- .28	J	pCi/g	.69	+/- 1.1	J	pCi/g
Uranium, Total	48.00	+/- 10	-	ug/L	2200.00	+/- 400	J	ug/g	2300.00	+/- 500	J	ug/g
Uranium-233/234												
Uranium-234	13.00	+/- 2.1	-	pCi/L	680.00	+/- 1.1	-	pCi/g	1200.00	+/- 180	R	pCi/g
Uranium-235												
Uranium-235/236	1.10	+/- .71	J	pCi/L	72.00	+/- 41	J	pCi/g	110.00	+/- 24	R	pCi/g
Uranium-236												
Uranium-238	20.00	+/- 3	-	pCi/L	1200.00	+/- 180	-	pCi/g	1800.00	+/- 260	R	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	7				7				7			
Sample:	5A-034				5A-035				5A-036			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06	+/- .3	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.07		UJ	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	1.10		UJ	pCi/g	.61		UJ	pCi/g	.39		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.56		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.01	+/- .3	J	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.06	+/- .3	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241	-18.00	+/- 2.8	UJ	pCi/g								
Polonium-210	.18	+/- .61	J	pCi/g	.18	+/- .64	J	pCi/g	.23	+/- .73	J	pCi/g
Radium-226	.27	+/- .12	-	pCi/g	.26	+/- .11	-	pCi/g	.29	+/- .1	-	pCi/g
Radium-228	.29	+/- .23	J	pCi/g	.28	+/- .14	-	pCi/g	.14	+/- .13	J	pCi/g
Strontium-90	.18		UJ	pCi/g	.15		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	8.90	+/- 1.1	-	pCi/g	3.70	+/- .61	-	pCi/g	1.10	+/- .45	-	pCi/g
Thorium-227												
Thorium-228	.44		UJ	pCi/g	.39	+/- 3	J	pCi/g	.20	+/- .46	J	pCi/g
Thorium-230	2.30	+/- 5.7	J	pCi/g	1.10	+/- 3	J	pCi/g	.71	+/- .49	J	pCi/g
Thorium-232	.44		UJ	pCi/g	.29		UJ	pCi/g	.19	+/- .46	J	pCi/g
Uranium, Total	430.00	+/- 90	J	ug/g	210.00	+/- 40	J	ug/g	51.00	+/- 10	J	ug/g
Uranium-233/234												
Uranium-234	210.00	+/- 32	-	pCi/g	63.00	+/- 10	-	pCi/g	20.00	+/- 3	-	pCi/g
Uranium-235												
Uranium-235/236	19.00	+/- 8.7	-	pCi/g	5.90	+/- 4	J	pCi/g	1.60	+/- .51	-	pCi/g
Uranium-236												
Uranium-238	280.00	+/- 43	-	pCi/g	87.00	+/- 14	-	pCi/g	24.00	+/- 3.7	-	pCi/g

257800

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	8				8				9			
Sample:	5A-038				5A-039				5A-041			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/g	.15		UJ	pCi/g	.15	+/- .27	J	pCi/g
Cesium-137	.23		UJ	pCi/g	.47	+/- .34	J	pCi/g	.27		UJ	pCi/g
Lead-210	2.90		UJ	pCi/g	4.40		UJ	pCi/g	4.00		UJ	pCi/g
Neptunium-237	.11	+/- .051	J	pCi/g	.06	+/- .036	J	pCi/g	.18	+/- .068	-	pCi/g
Plutonium-238	.02		UJ	pCi/g	.05		UJ	pCi/g	.08	+/- .36	J	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.33	+/- .41	J	pCi/g	.46	+/- .38	J	pCi/g
Plutonium-241	10.00	+/- .33	J	pCi/g	1.50		UJ	pCi/g	-1.10	+/- 1.3	UJ	pCi/g
Polonium-210	1.10	+/- 1	J	pCi/g	2.10	+/- .85	-	pCi/g	.27	+/- .7	J	pCi/g
Radium-226	3.10	+/- .84	-	pCi/g	1.30	+/- .78	J	pCi/g	.59	+/- .32	J	pCi/g
Radium-228	.82	+/- .66	J	pCi/g	4.00	+/- 1.7	-	pCi/g	.80		UJ	pCi/g
Strontium-90	.13		UJ	pCi/g	.15		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	7.70	+/- 1	-	pCi/g	15.00	+/- 3.8	-	pCi/g	240.00	+/- 27	-	pCi/g
Thorium-227	.26	+/- 1.1	J	pCi/g	.84	+/- 2.5	J	pCi/g				
Thorium-228	.57	+/- .44	J	pCi/g	3.10	+/- 1.2	-	pCi/g	11.00		UJ	pCi/g
Thorium-230	18.00	+/- 2.7	-	pCi/g	38.00	+/- 5.8	-	pCi/g	27.00	+/- 110	J	pCi/g
Thorium-232	.68	+/- .45	J	pCi/g	3.00	+/- 1.2	-	pCi/g	8.60		UJ	pCi/g
Uranium, Total	1200.00	+/- 200	J	ug/g	4100.00	+/- 800	J	ug/g	13000.00	+/- 3000	J	ug/g
Uranium-233/234												
Uranium-234	590.00	+/- 92	-	pCi/g	1900.00	+/- 280	R	pCi/g	2500.00	+/- 400	-	pCi/g
Uranium-235												
Uranium-235/236	41.00	+/- 23	J	pCi/g	120.00	+/- 43	R	pCi/g	390.00	+/- 180	-	pCi/g
Uranium-236												
Uranium-238	730.00	+/- 110	-	pCi/g	2000.00	+/- 300	R	pCi/g	9100.00	+/- 1400	-	pCi/g

0001538

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	9				10				10			
Sample:	5A-043				5A-044				5A-045			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/g	.09	+/- .29	J	pCi/g	.10	+/- .29	J	pCi/g
Cesium-137	.63		UJ	pCi/g	.28	+/- .16	J	pCi/g	.36	+/- .18	-	pCi/g
Lead-210	6.80	+/- 3.6	J	pCi/g	2.40		UJ	pCi/g	2.90		UJ	pCi/g
Neptunium-237	.06	+/- .039	J	pCi/g	.12	+/- .057	-	pCi/g	.14	+/- .06	-	pCi/g
Plutonium-238	.06		UJ	pCi/g	.08	+/- .28	J	pCi/g	.07	+/- .3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.13	+/- .4	J	pCi/g	.38	+/- .29	J	pCi/g	.36	+/- .31	J	pCi/g
Plutonium-241	1.50		UJ	pCi/g	-.95	+/- .92	UJ	pCi/g	-.70	+/- 1	UJ	pCi/g
Polonium-210	.70	+/- .86	J	pCi/g	.28	+/- .63	J	pCi/g	.26	+/- .62	J	pCi/g
Radium-226	.82		UJ	pCi/g	.90	+/- .3	-	pCi/g	.82	+/- .33	-	pCi/g
Radium-228	1.70		UJ	pCi/g	.73	+/- .36	-	pCi/g	.58		UJ	pCi/g
Strontium-90	.14		UJ	pCi/g	.18		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	36.00	+/- 6.5	-	pCi/g	52.00	+/- 5.9	-	pCi/g	13.50		-	pCi/g
Thorium-227	1.70	+/- 2.4	J	pCi/g								
Thorium-228	6.30	+/- 1.5	-	pCi/g	.58	+/- 2.7	J	pCi/g	.77		UJ	pCi/g
Thorium-230	13.00	+/- 2.3	-	pCi/g	3.80	+/- 2.8	J	pCi/g	4.60	+/- 5.5	J	pCi/g
Thorium-232	2.80	+/- 1.2	-	pCi/g	.52	+/- 2.7	J	pCi/g	.55		UJ	pCi/g
Uranium, Total	3000.00	+/- 600	J	ug/g	1000.00	+/- 200	J	ug/g	2290.00		J	ug/g
Uranium-233/234												
Uranium-234	1400.00	+/- 210	J	pCi/g	960.00	+/- 140	J	pCi/g	950.00	+/- 140	-	pCi/g
Uranium-235												
Uranium-235/236	95.00	+/- 35	J	pCi/g	96.00	+/- 19	J	pCi/g	90.00	+/- 20	-	pCi/g
Uranium-236												
Uranium-238	1600.00	+/- 230	J	pCi/g	1900.00	+/- 280	J	pCi/g	1800.00	+/- 270	-	pCi/g

000459

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				STEEL COATINGS				CONCRETE CHIPS			
Depth:	1-4"								0-.5"			
Process Area:	10				10				11			
Sample:	5A-046				5A-047				5A-052			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	15.00	+/- 7.5	J	pCi/g	.12	+/- .89	J	pCi/g
Cesium-137	.08	+/- .075	J	pCi/g	2.90	+/- .85	J	pCi/g	.28		UJ	pCi/g
Lead-210	.98		UJ	pCi/g	5.50		UJ	pCi/g	3.50		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.18		UJ	pCi/g	.08	+/- .044	J	pCi/g
Plutonium-238	.01	+/- .3	J	pCi/g	.13		U	pCi/g	.07	+/- .3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.04	+/- .3	J	pCi/g	.65	+/- 1.6	J	pCi/g	.25	+/- .31	J	pCi/g
Plutonium-241	-20.00	+/- 3.1	UJ	pCi/g	18.00		UJ	pCi/g	6.20	+/- 2.8	J	pCi/g
Polonium-210	.32	+/- .7	J	pCi/g	3.10	+/- 1.9	J	pCi/g	.34	+/- .96	J	pCi/g
Radium-226	.32	+/- .12	-	pCi/g	2.19	+/- 1.3	J	pCi/g	.95	+/- .48	J	pCi/g
Radium-228	.20	+/- .17	J	pCi/g	3.10	+/- 1.9	J	pCi/g	.87		UJ	pCi/g
Strontium-90	.15		UJ	pCi/g	.09		UJ	pCi/g	.08		UJ	pCi/g
Technetium-99	12.00	+/- 1.4	-	pCi/g	69.00	+/- 22	-	pCi/g	82.00	+/- 9.5	-	pCi/g
Thorium-227					3.20	+/- 2.2	J	pCi/g	.91		UJ	pCi/g
Thorium-228	.55	+/- 5.7	J	pCi/g	3.40	+/- 1.3	J	pCi/g	.54	+/- .3	J	pCi/g
Thorium-230	2.90	+/- 5.8	J	pCi/g	55.00	+/- 8.3	-	pCi/g	1.60	+/- .39	-	pCi/g
Thorium-232	.51	+/- 5.7	J	pCi/g	3.50	+/- 1.3	J	pCi/g	.30	+/- .29	J	pCi/g
Uranium, Total	840.00	+/- 200	J	ug/g	7500.00	+/- 1000	J	ug/g	2400.00	+/- 500	J	ug/g
Uranium-233/234												
Uranium-234	220.00	+/- 34	-	pCi/g	3200.00	+/- 470	J	pCi/g	590.00	+/- 100	-	pCi/g
Uranium-235												
Uranium-235/236	23.00	+/- 9.2	-	pCi/g	220.00	+/- 38	J	pCi/g	63.00	+/- 42	J	pCi/g
Uranium-236												
Uranium-238	490.00	+/- 73	-	pCi/g	3600.00	+/- 530	J	pCi/g	1300.00	+/- 200	-	pCi/g

060160

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	11				12				11			
Sample:	5A-053				5A-055				5A-057			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/g	.05	+/- .29	J	pCi/g	.15		UJ	pCi/g
Cesium-137	.86		UJ	pCi/g	.15		UJ	pCi/g	.63		UJ	pCi/g
Lead-210	7.80		UJ	pCi/g	2.60		UJ	pCi/g	6.30		UJ	pCi/g
Neptunium-237	.05	+/- .036	J	pCi/g	.05		UJ	pCi/g	.08	+/- .041	J	pCi/g
Plutonium-238	.05		UJ	pCi/g	.03		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.13	+/- .36	J	pCi/g	.13	+/- .33	J	pCi/g	.39	+/- .39	J	pCi/g
Plutonium-241	1.30		UJ	pCi/g					1.30		UJ	pCi/g
Polonium-210	1.40	+/- .89	J	pCi/g	.28	+/- .67	J	pCi/g	.93	+/- .87	J	pCi/g
Radium-226	1.50		UJ	pCi/g	.27	+/- .19	J	pCi/g	1.10		UJ	pCi/g
Radium-228	3.20		UJ	pCi/g	.55	+/- .3	J	pCi/g	2.10		UJ	pCi/g
Strontium-90	.14		UJ	pCi/g	.16		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	44.00	+/- 7.6	-	pCi/g	6.60	+/- .88	-	pCi/g	57.00	+/- 9.6	-	pCi/g
Thorium-227	.30		UJ	pCi/g					.31		UJ	pCi/g
Thorium-228	.25	+/- 1.2	J	pCi/g	.48		UJ	pCi/g	.40	+/- 1.1	J	pCi/g
Thorium-230	3.30	+/- 1.4	-	pCi/g	3.50	+/- 5.6	J	pCi/g	13.00	+/- 2.3	-	pCi/g
Thorium-232	.21	+/- 1.2	J	pCi/g	.48		UJ	pCi/g	.52	+/- 1.1	J	pCi/g
Uranium, Total	1400.00	+/- 300	J	ug/g	2900.00	+/- 600	J	ug/g	8000.00	+/- 2000	-	ug/g
Uranium-233/234												
Uranium-234	580.00	+/- 87	J	pCi/g	830.00	+/- 120	-	pCi/g	3600.00	+/- 530	R	pCi/g
Uranium-235												
Uranium-235/236	46.00	+/- 13	J	pCi/g	58.00	+/- 14	-	pCi/g	210.00	+/- 37	R	pCi/g
Uranium-236												
Uranium-238	580.00	+/- 87	J	pCi/g	1200.00	+/- 180	-	pCi/g	4500.00	+/- 660	R	pCi/g

000161

7173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 5B - Plant 5 Ingot Pickling
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	5B-002				5B-003 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	.90	+/- .3	J	pCi/g
Neptunium-237	.10	+/- .04	J	pCi/g	.07	+/- .04	J	pCi/g
Plutonium-238	.00	+/- .1	UJ	pCi/g	.00	+/- .1	UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.00	+/- .04	UJ	pCi/g	.01	+/- .04	UJ	pCi/g
Plutonium-241								
Polonium-210	.80	+/- .2	-	pCi/g	.80	+/- .2	J	pCi/g
Radium-226	1.20	+/- .2	-	pCi/g	1.20	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g	.30	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g	.20	+/- .3	R	pCi/g
Technetium-99	.80	+/- .4	J	pCi/g	.50	+/- .3	J	pCi/g
Thorium-227								
Thorium-228	.22	+/- .13	J	pCi/g	.35	+/- .14	J	pCi/g
Thorium-230	.45	+/- .25	J	pCi/g	.82	+/- .28	J	pCi/g
Thorium-232	.10	+/- .13	J	pCi/g	.24	+/- .14	J	pCi/g
Uranium, Total	12.90	+/- 1.8	J	ug/g	10.30	+/- 1.5	J	ug/g
Uranium-233/234								
Uranium-234	3.21	+/- .58	J	pCi/g	2.41	+/- .45	J	pCi/g
Uranium-235	.40	+/- .17	J	pCi/g	.20	+/- .14	J	pCi/g
Uranium-235/236								
Uranium-236								
Uranium-238	4.45	+/- .73	J	pCi/g	3.33	+/- .54	J	pCi/g

000162

Appendix L.2 - Major Media
Category 4 - Process Support
Component 5C - Plant 5 Electrical Substation
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	5C-003				5C-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.56		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	2.15	+/- .62	J	pCi/g
Neptunium-237	.18	+/- .0866	J	pCi/g	.06		UJ	pCi/g
Plutonium-238	-.03	+/- .18	UJ	pCi/g	.41	+/- .15	J	pCi/g
Plutonium-239	.00	+/- .08	UJ	pCi/g				
Plutonium-239/240					.14	+/- .061	-	pCi/g
Plutonium-241					12.00		UJ	pCi/g
Polonium-210	1.70	+/- .3	J	pCi/g	.94	+/- .3	-	pCi/g
Radium-226	.70	+/- .2	J	pCi/g	.65	+/- .17	J	pCi/g
Radium-228	.30		UJ	pCi/g	1.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	.78	+/- .54	J	pCi/g
Technetium-99	.30		UJ	pCi/g	2.33	+/- .39	J	pCi/g
Thorium-227								
Thorium-228	.34	+/- .15	J	pCi/g	1.72	+/- 1.4	J	pCi/g
Thorium-230	.51	+/- .24	J	pCi/g	4.85	+/- 1.5	J	pCi/g
Thorium-232	.09	+/- .14	UJ	pCi/g	1.59	+/- 1.1	J	pCi/g
Uranium, Total	54.80	+/- 7.7	J	ug/g	766.00	+/- 21	J	ug/g
Uranium-233/234								
Uranium-234	12.34	+/- 2.33	J	pCi/g	138.00	+/- 31	J	pCi/g
Uranium-235	1.60	+/- .48	J	pCi/g				
Uranium-235/236					6.70	+/- 1.9	J	pCi/g
Uranium-236								
Uranium-238	12.98	+/- 2.44	J	pCi/g	169.00	+/- 38	J	pCi/g

000163

7173

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 5E - Plant 5 Filter Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	5E-001			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10	+/- .03	J	pCi/g
Lead-210	1.00	+/- .3	J	pCi/g
Neptunium-237	.06	+/- .03	J	pCi/g
Plutonium-238	.10	+/- .1	J	pCi/g
Plutonium-239				
Plutonium-239/240	.00	+/- .03	UJ	pCi/g
Plutonium-241				
Polonium-210	.70	+/- .2	-	pCi/g
Radium-226	.90	+/- .2	-	pCi/g
Radium-228	.40	+/- .3	J	pCi/g
Strontium-90	.20	+/- .3	R	pCi/g
Technetium-99	.60	+/- .3	-	pCi/g
Thorium-227				
Thorium-228	.27	+/- .13	J	pCi/g
Thorium-230	.43	+/- .25	J	pCi/g
Thorium-232	-.02	+/- .12	UJ	pCi/g
Uranium, Total	43.00	+/- 6.1	J	ug/g
Uranium-233/234				
Uranium-234	5.61	+/- 1.01	J	pCi/g
Uranium-235	1.10	+/- .35	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	15.65	+/- 2.34	J	pCi/g

000469

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 5G - Plant 5 Ingot Storage Shelter
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	5G-002				5G-003 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.00		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.80	+/- .8	J	pCi/g	.80	+/- .8	J	pCi/g
Neptunium-237	.11	+/- .08	J	pCi/g	.02	+/- .08	UJ	pCi/g
Plutonium-238	.14	+/- .22	UJ	pCi/g	.01	+/- .2705	UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.20		UJ	pCi/g	.40		UJ	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g
Polonium-210	.90	+/- .5	J	pCi/g	1.00	+/- .4	-	pCi/g
Radium-226	1.10	+/- .3	-	pCi/g	1.10	+/- .3	-	pCi/g
Radium-228	.60		UJ	pCi/g	.60		UJ	pCi/g
Strontium-90	2.90	+/- 1.2	-	pCi/g	2.50	+/- 1.1	-	pCi/g
Technetium-99	1.00	+/- .4	-	pCi/g	.70	+/- .4	-	pCi/g
Thorium-227								
Thorium-228	.43	+/- .23	J	pCi/g	.18		UJ	pCi/g
Thorium-230	1.16	+/- .36	J	pCi/g	.42	+/- .25	J	pCi/g
Thorium-232	.31	+/- .17	J	pCi/g	.11		UJ	pCi/g
Uranium, Total	509.00	+/- 72.1	-	ug/g	626.00	+/- 88.7	-	ug/g
Uranium-233/234								
Uranium-234	48.90	+/- 12.58	J	pCi/g	50.10	+/- 11.25	J	pCi/g
Uranium-235								
Uranium-235/236	2.80	+/- 1.797	J	pCi/g	3.96	+/- 1.633	J	pCi/g
Uranium-236								
Uranium-238	225.00	+/- 40.45	J	pCi/g	231.10	+/- 37.98	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	1				1				1			
Sample:	6A-003				6A-005				6A-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.11	+/- .34	J	pCi/g	.46	+/- .85	J	pCi/g	.18	+/- .3	J	pCi/g
Cesium-137	.35		UJ	pCi/g	.25		UJ	pCi/g	.18		UJ	pCi/g
Lead-210	4.40		UJ	pCi/g	2.10		UJ	pCi/g	2.50		UJ	pCi/g
Neptunium-237	.44		UJ	pCi/g	.96	+/- .24	J	pCi/g	.45		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.29	+/- .26	J	pCi/g	.05		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.02		UJ	pCi/g	1.30	+/- .35	-	pCi/g	.13	+/- .62	J	pCi/g
Plutonium-241	-22.50	+/- 3.52	UJ	pCi/g	.59		UJ	pCi/g	-45.40	+/- 8.02	UJ	pCi/g
Polonium-210	.39	+/- .68	J	pCi/g	1.30	+/- .66	J	pCi/g	1.70	+/- .68	-	pCi/g
Radium-226	.75	+/- .42	J	pCi/g	.44		UJ	pCi/g	1.40	+/- .45	-	pCi/g
Radium-228	1.10		UJ	pCi/g	1.10	+/- .53	-	pCi/g	.58		UJ	pCi/g
Strontium-90	.21		UJ	pCi/g	.42		UJ	pCi/g	.23		UJ	pCi/g
Technetium-99	27.00	+/- 3.1	-	pCi/g	3.30	+/- 2.4	J	pCi/g	81.00	+/- 9.2	-	pCi/g
Thorium-227												
Thorium-228	120.00		UJ	pCi/g	4.50	+/- 1	J	pCi/g	1.60		UJ	pCi/g
Thorium-230	400.00	+/- 1300	J	pCi/g	76.00	+/- 11	J	pCi/g	4.20		UJ	pCi/g
Thorium-232	110.00		UJ	pCi/g	4.30	+/- .98	J	pCi/g	1.20		UJ	pCi/g
Uranium, Total	13000.00	+/- 3000	-	ug/g	280.00	+/- 60	-	ug/g	2900.00	+/- 600	-	ug/g
Uranium-233/234												
Uranium-234	5400.00	+/- 1600	-	pCi/g	2400.00	+/- 350	J	pCi/g	1100.00	+/- 160	-	pCi/g
Uranium-235												
Uranium-235/236	320.00		UJ	pCi/g	160.00	+/- 26	J	pCi/g	100.00	+/- 25	-	pCi/g
Uranium-236												
Uranium-238	5600.00	+/- 1700	-	pCi/g	2400.00	+/- 350	J	pCi/g	1300.00	+/- 200	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CHIPS			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	1				1				2			
Sample:	6A-010				6A-011				6A-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07	+/- .28	J	pCi/g	.04		UJ	pCi/g	.07		UJ	pCi/g
Cesium-137	.09		UJ	pCi/g	.06		UJ	pCi/g	.28		UJ	pCi/g
Lead-210	1.10		UJ	pCi/g	.39		UJ	pCi/g	4.60		UJ	pCi/g
Neptunium-237	.46		UJ	pCi/g	.40		UJ	pCi/g	.22		UJ	pCi/g
Plutonium-238	.04		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.03		UJ	pCi/g	.10	+/- .41	J	pCi/g
Plutonium-241	1.36	+/- 1.28	J	pCi/g					-18.70	+/- 3.4	UJ	pCi/g
Polonium-210	.49	+/- .59	J	pCi/g	.29	+/- .6	J	pCi/g	.37	+/- .82	J	pCi/g
Radium-226	.48	+/- .2	-	pCi/g	.36	+/- .15	-	pCi/g	.51		UJ	pCi/g
Radium-228	.31		UJ	pCi/g	.33	+/- .18	J	pCi/g	.88		UJ	pCi/g
Strontium-90	.18		UJ	pCi/g	.19		UJ	pCi/g	.21		UJ	pCi/g
Technetium-99	6.90	+/- .91	-	pCi/g	.58	+/- .43	J	pCi/g	98.00	+/- 11	J	pCi/g
Thorium-227												
Thorium-228	.62		UJ	pCi/g	.28	+/- .52	J	pCi/g	29.00		UJ	pCi/g
Thorium-230	2.80	+/- 5.3	J	pCi/g	.30	+/- .55	J	pCi/g	99.00	+/- 290	J	pCi/g
Thorium-232	.38	+/- 5.1	J	pCi/g	.15	+/- .52	J	pCi/g	17.00		UJ	pCi/g
Uranium, Total	1400.00	+/- 300	-	ug/g	110.00	+/- 20	-	ug/g	9000.00	+/- 2000	-	ug/g
Uranium-233/234												
Uranium-234	9.20	+/- 7	J	pCi/g	12.00	+/- 1.9	-	pCi/g	3100.00	+/- 650	-	pCi/g
Uranium-235												
Uranium-235/236	1.50		UJ	pCi/g	.66	+/- .42	J	pCi/g	290.00	+/- 400	J	pCi/g
Uranium-236												
Uranium-238	17.00	+/- 7.4	-	pCi/g	13.00	+/- 2	-	pCi/g	3700.00	+/- 740	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	2				3				3			
Sample:	6A-018				6A-022				6A-024			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.50	+/- 1.3	J	pCi/g	.06		UJ	pCi/g	.54	+/- .93	J	pCi/g
Cesium-137	4.10	+/- 1.2	-	pCi/g	.07		UJ	pCi/g	.44		UJ	pCi/g
Lead-210	2.60		UJ	pCi/g	1.00		UJ	pCi/g	3.80		UJ	pCi/g
Neptunium-237	.35	+/- .15	J	pCi/g	.20		UJ	pCi/g	.23	+/- .13	J	pCi/g
Plutonium-238	.27	+/- .29	J	pCi/g	.04	+/- .83	J	pCi/g	.44	+/- .29	J	pCi/g
Plutonium-239												
Plutonium-239/240	.63	+/- .32	J	pCi/g	.08		UJ	pCi/g	.12	+/- .28	J	pCi/g
Plutonium-241	.73		UJ	pCi/g	-56.10	+/- 9.38	UJ	pCi/g	.69		UJ	pCi/g
Polonium-210	2.50	+/- .89	-	pCi/g	.34	+/- .71	J	pCi/g	.67	+/- .76	J	pCi/g
Radium-226	1.30	+/- .61	-	pCi/g	.31	+/- .14	J	pCi/g	.76		UJ	pCi/g
Radium-228	30.00	+/- 7.5	-	pCi/g	.23		UJ	pCi/g	1.40		UJ	pCi/g
Strontium-90	.74	+/- .35	-	pCi/g	.03		UJ	pCi/g	.42		UJ	pCi/g
Technetium-99	50.00	+/- 6.2	-	pCi/g	13.00	+/- 1.5	J	pCi/g	21.00	+/- 3.4	-	pCi/g
Thorium-227												
Thorium-228	14.00	+/- 2.2	J	pCi/g	.40	+/- 2.9	J	pCi/g	1.70	+/- .43	J	pCi/g
Thorium-230	26.00	+/- 3.9	J	pCi/g	.92	+/- 2.9	J	pCi/g	1.60	+/- .47	J	pCi/g
Thorium-232	13.00	+/- 2	J	pCi/g	.25	+/- 2.9	J	pCi/g	1.10	+/- .36	J	pCi/g
Uranium, Total	340.00	+/- 70	-	ug/g	480.00	+/- 100	-	ug/g	880.00	+/- 200	-	ug/g
Uranium-233/234												
Uranium-234	1100.00	+/- 170	J	pCi/g	130.00	+/- 20	-	pCi/g	3300.00	+/- 490	J	pCi/g
Uranium-235												
Uranium-235/236	160.00	+/- 27	J	pCi/g	15.00	+/- 4.6	-	pCi/g	290.00	+/- 47	J	pCi/g
Uranium-236												
Uranium-238	2100.00	+/- 310	J	pCi/g	190.00	+/- 28	-	pCi/g	4600.00	+/- 680	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	4				4				5			
Sample:	6A-025				6A-027				6A-028			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07		UJ	pCi/g	.23		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.09		UJ	pCi/g	.32		UJ	pCi/g	.14		UJ	pCi/g
Lead-210	1.40		UJ	pCi/g	2.90		UJ	pCi/g	2.30		UJ	pCi/g
Neptunium-237	.19		UJ	pCi/g	1.60	+/- .42	J	pCi/g	.19		UJ	pCi/g
Plutonium-238	.04		UJ	pCi/g	.09		UJ	pCi/g	.06	+/- .43	J	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.26	+/- .56	J	pCi/g	.11	+/- .43	J	pCi/g
Plutonium-241					1.40		UJ	pCi/g	-21.20	+/- 3.73	UJ	pCi/g
Polonium-210	.24	+/- .8	J	pCi/g	.52	+/- .92	J	pCi/g	.39	+/- .64	J	pCi/g
Radium-226	.31	+/- .19	J	pCi/g	.55		UJ	pCi/g	.26		UJ	pCi/g
Radium-228	.31		UJ	pCi/g	.94		UJ	pCi/g	.62	+/- .41	J	pCi/g
Strontium-90	.19		U	pCi/g	.40		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	10.00	+/- 1.3	J	pCi/g	250.00	+/- 28	-	pCi/g	9.10	+/- 1.1	J	pCi/g
Thorium-227												
Thorium-228	.78	+/- 5.2	J	pCi/g	2.40	+/- .95	J	pCi/g	3.30		UJ	pCi/g
Thorium-230	2.60	+/- 5.2	J	pCi/g	.34		UJ	pCi/g	8.70	+/- 27	J	pCi/g
Thorium-232	.29		UJ	pCi/g	.14		UJ	pCi/g	1.50		UJ	pCi/g
Uranium, Total	1100.00	+/- 200	-	ug/g	6200.00	+/- 1000	-	ug/g	2100.00	+/- 400	-	ug/g
Uranium-233/234												
Uranium-234	350.00	+/- 53	-	pCi/g	3700.00	+/- 550	J	pCi/g	610.00	+/- 100	-	pCi/g
Uranium-235												
Uranium-235/236	31.00	+/- 9.4	-	pCi/g	490.00	+/- 90	J	pCi/g	40.00	+/- 37	J	pCi/g
Uranium-236												
Uranium-238	440.00	+/- 67	-	pCi/g	6300.00	+/- 930	J	pCi/g	730.00	+/- 120	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	5				6				6			
Sample:	6A-029				6A-031				6A-032			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.12		UJ	pCi/g	.07		UJ	pCi/g	.08		UJ	pCi/g
Cesium-137	.26		UJ	pCi/g	.20	+/- .13	J	pCi/g	.08		UJ	pCi/g
Lead-210	2.20		UJ	pCi/g	2.30		UJ	pCi/g	.95		UJ	pCi/g
Neptunium-237	.43	+/- .15	J	pCi/g	.45	+/- .23	J	pCi/g	.20		UJ	pCi/g
Plutonium-238	13.00	+/- 6.1	R	pCi/g	.05	+/- .41	J	pCi/g	.03	+/- .43	J	pCi/g
Plutonium-239												
Plutonium-239/240	55.00	+/- 11	R	pCi/g	.40	+/- .42	J	pCi/g	.08	+/- .43	J	pCi/g
Plutonium-241	200.00	+/- 43	R	pCi/g	.55	+/- 1.26	UJ	pCi/g	-.91	+/- 1.37	UJ	pCi/g
Polonium-210	1.30	+/- .73	J	pCi/g	.30	+/- .56	J	pCi/g	.29	+/- .74	J	pCi/g
Radium-226	.44		UJ	pCi/g	.55	+/- .27	J	pCi/g	.30	+/- .14	J	pCi/g
Radium-228	.81	+/- .57	J	pCi/g	.47		UJ	pCi/g	.24	+/- .25	J	pCi/g
Strontium-90	.44		UJ	pCi/g	.20		UJ	pCi/g	.21		UJ	pCi/g
Technetium-99	3.70	+/- 2.4	J	pCi/g	110.00	+/- 13	J	pCi/g	28.00	+/- 3.2	J	pCi/g
Thorium-227												
Thorium-228	4.20	+/- 1.3	J	pCi/g	.73		UJ	pCi/g	.37	+/- 2.8	J	pCi/g
Thorium-230	72.00	+/- 11	J	pCi/g	4.80	+/- 11	J	pCi/g	1.50	+/- 2.8	J	pCi/g
Thorium-232	4.10	+/- 1.3	J	pCi/g	.64		UJ	pCi/g	.22	+/- 2.8	J	pCi/g
Uranium, Total	330.00	+/- 60	-	ug/g	3200.00	+/- 600	-	ug/g	390.00	+/- 80	-	ug/g
Uranium-233/234												
Uranium-234	1700.00	+/- 250	J	pCi/g	460.00	+/- 72	-	pCi/g	67.00	+/- 11	-	pCi/g
Uranium-235												
Uranium-235/236	160.00	+/- 26	J	pCi/g	60.00	+/- 19	-	pCi/g	7.20	+/- 4.1	J	pCi/g
Uranium-236												
Uranium-238	1700.00	+/- 250	J	pCi/g	1000.00	+/- 160	-	pCi/g	130.00	+/- 20	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				STEEL COATINGS				CONCRETE CORE			
Depth:	1-4"								0-.5"			
Process Area:	6				6				7			
Sample:	6A-033				6A-035				6A-036			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07		UJ	pCi/g	.16		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.05		UJ	pCi/g	.78		UJ	pCi/g	.19		UJ	pCi/g
Lead-210	.53		UJ	pCi/g	9.30		UJ	pCi/g	3.10		UJ	pCi/g
Neptunium-237	.20		UJ	pCi/g	.45	+/- .2	J	pCi/g	.20		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.06	+/- .59	J	pCi/g	.02	+/- .45	J	pCi/g
Plutonium-239												
Plutonium-239/240	.03	+/- .42	J	pCi/g	.53	+/- .61	J	pCi/g	.06	+/- .45	J	pCi/g
Plutonium-241	-23.60	+/- 4.06	UJ	pCi/g	2.40	+/- 1.8	J	pCi/g	-24.20	+/- 4.19	UJ	pCi/g
Polonium-210	.25	+/- .68	J	pCi/g	.53	+/- 1.4	J	pCi/g	.20	+/- .95	J	pCi/g
Radium-226	.33	+/- .14	J	pCi/g	1.40		UJ	pCi/g	.35		UJ	pCi/g
Radium-228	.25	+/- .21	J	pCi/g	2.40		UJ	pCi/g	1.30	+/- .58	-	pCi/g
Strontium-90	.22	+/- .13	J	pCi/g	.43	+/- .29	J	pCi/g	.19		UJ	pCi/g
Technetium-99	6.90	+/- .9	J	pCi/g	280.00	+/- 31	J	pCi/g	69.00	+/- 7.9	J	pCi/g
Thorium-227												
Thorium-228	.26		UJ	pCi/g	2.10	+/- 1	-	pCi/g	12.00		UJ	pCi/g
Thorium-230	1.60	+/- 3	J	pCi/g	4.90	+/- 1.3	-	pCi/g	20.00	+/- 110	J	pCi/g
Thorium-232	.32	+/- 2.9	J	pCi/g	.92	+/- .96	J	pCi/g	8.00		UJ	pCi/g
Uranium, Total	56.00	+/- 10	-	ug/g	3000.00	+/- 600	-	ug/g	6900.00	+/- 1000	-	ug/g
Uranium-233/234												
Uranium-234	8.80	+/- 4.6	J	pCi/g	10000.00	+/- 1500	J	pCi/g	810.00	+/- 210	-	pCi/g
Uranium-235												
Uranium-235/236	1.50	+/- 3.8	J	pCi/g	960.00	+/- 180	J	pCi/g	83.00	+/- 150	J	pCi/g
Uranium-236												
Uranium-238	17.00	+/- 5.4	-	pCi/g	15000.00	+/- 2200	J	pCi/g	2400.00	+/- 400	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	.5-1"				1-4"							
Process Area:	7				7				7			
Sample:	6A-037				6A-038				6A-040			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06		UJ	pCi/g	.05		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.12		UJ	pCi/g	.05		UJ	pCi/g	.44		UJ	pCi/g
Lead-210	1.80		UJ	pCi/g	.40		UJ	pCi/g	3.20		UJ	pCi/g
Neptunium-237	.20		UJ	pCi/g	.21		UJ	pCi/g	.25	+/- .13	J	pCi/g
Plutonium-238	.04	+/- .41	J	pCi/g	.01	+/- .4	J	pCi/g	.17	+/- .26	J	pCi/g
Plutonium-239												
Plutonium-239/240	.03	+/- .41	J	pCi/g	.03		UJ	pCi/g	.09		UJ	pCi/g
Plutonium-241	-21.60	+/- 3.76	UJ	pCi/g	-20.30	+/- 3.56	UJ	pCi/g	.65		UJ	pCi/g
Polonium-210	.30	+/- .92	J	pCi/g	.29	+/- .58	J	pCi/g	.93	+/- .81	J	pCi/g
Radium-226	.32	+/- .18	J	pCi/g	.31	+/- .13	J	pCi/g	.74		UJ	pCi/g
Radium-228	.54	+/- .35	J	pCi/g	.32	+/- .18	J	pCi/g	210.00	+/- 51	-	pCi/g
Strontium-90	.19		UJ	pCi/g	.27	+/- .13	-	pCi/g	1.70	+/- .59	-	pCi/g
Technetium-99	14.00	+/- 1.6	J	pCi/g	.49		UJ	pCi/g	13.00	+/- 2.9	-	pCi/g
Thorium-227												
Thorium-228	10.00		UJ	pCi/g	.26	+/- .94	J	pCi/g	51.00	+/- 7.7	J	pCi/g
Thorium-230	39.00	+/- 110	J	pCi/g	.51	+/- .95	J	pCi/g	7.10	+/- 1.4	J	pCi/g
Thorium-232	7.90	+/- 110	J	pCi/g	.22	+/- .94	J	pCi/g	46.00	+/- 7	J	pCi/g
Uranium, Total	3700.00	+/- 700	-	ug/g	38.00	+/- 8	-	ug/g	390.00	+/- 80	-	ug/g
Uranium-233/234												
Uranium-234	700.00	+/- 200	-	pCi/g	8.70	+/- 1.7	-	pCi/g	1500.00	+/- 220	J	pCi/g
Uranium-235												
Uranium-235/236	62.00	+/- 150	J	pCi/g	.69	+/- .4	J	pCi/g	150.00	+/- 25	J	pCi/g
Uranium-236												
Uranium-238	1400.00	+/- 280	-	pCi/g	11.00	+/- 2	-	pCi/g	2200.00	+/- 320	J	pCi/g

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Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage Area
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	6B-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00	-	NV	pCi/g
Cesium-137	.20	+/- .1	J	pCi/g
Lead-210	3.90	+/- 1.7	J	pCi/g
Neptunium-237	.03		NV	pCi/g
Plutonium-238	.04		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.05		NV	pCi/g
Plutonium-241	2.50		NV	pCi/g
Polonium-210	.40		NV	pCi/g
Radium-226	.80	+/- .3	-	pCi/g
Radium-228	.60		UJ	pCi/g
Strontium-90	2.10	+/- 1.2	J	pCi/g
Technetium-99	8.30	+/- 2.5	-	pCi/g
Thorium-227				
Thorium-228	.02		NV	pCi/g
Thorium-230	.65		NV	pCi/g
Thorium-232	.23		NV	pCi/g
Uranium, Total	1170.00	+/- 166	-	ug/g
Uranium-233/234				
Uranium-234	204.00		NV	pCi/g
Uranium-235				
Uranium-235/236	19.00		NV	pCi/g
Uranium-236				
Uranium-238	446.00		NV	pCi/g

00473

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 6C - Plant 6 Electrostatic Precipitator (South)
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	6C-003				6C-004				6C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.02		NV	pCi/g	.20		UJ	pCi/g	.30		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.80	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g	.40	+/- .2	J	pCi/g
Neptunium-237	.02		NV	pCi/g	.09	+/- .0839	UJ	pCi/g	.11	+/- .0984	UJ	pCi/g
Plutonium-238	.03		NV	pCi/g	-.06	+/- .18	UJ	pCi/g	-.08	+/- .19	UJ	pCi/g
Plutonium-239					-.05	+/- .1	UJ	pCi/g	.00	+/- .09	UJ	pCi/g
Plutonium-239/240	.01		NV	pCi/g								
Plutonium-241	.38		NV	pCi/g								
Polonium-210	.30		NV	pCi/g	1.10	+/- .2	-	pCi/g	1.00	+/- .2	-	pCi/g
Radium-226	.80	+/- .2	J	pCi/g	.80	+/- .2	J	pCi/g	.80	+/- .2	J	pCi/g
Radium-228	.40	+/- .3	J	pCi/g	.50	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	.40		UJ	pCi/g	.50		UJ	pCi/g	.40		UJ	pCi/g
Technetium-99	1.00	+/- .8	J	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.26		NV	pCi/g	.18	+/- .14	J	pCi/g	.17	+/- .15	J	pCi/g
Thorium-230	.69		NV	pCi/g	.70	+/- .26	J	pCi/g	.85	+/- .28	J	pCi/g
Thorium-232	.17		NV	pCi/g	.20	+/- .1	J	pCi/g	.27	+/- .11	J	pCi/g
Uranium, Total	124.00	+/- 17.5	J	ug/g	8.60	+/- 1.2	J	ug/g	5.60	+/- .8	J	ug/g
Uranium-233/234												
Uranium-234	26.80		NV	pCi/g	2.62	+/- .43	J	pCi/g	1.00	+/- .16	J	pCi/g
Uranium-235					.33	+/- .1	J	pCi/g	.07	+/- .04	J	pCi/g
Uranium-235/236	2.69		NV	pCi/g								
Uranium-236												
Uranium-238	43.80		NV	pCi/g	3.72	+/- .58	J	pCi/g	1.46	+/- .22	J	pCi/g

0001270

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Precipitator (Central)
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	6D-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.00		UJ	pCi/g
Lead-210	.60	+/- .7	J	pCi/g
Neptunium-237	-.01	+/- .07	UJ	pCi/g
Plutonium-238	.15	+/- .2192	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.20		UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	1.20	+/- .4	-	pCi/g
Radium-226	.90	+/- .3	-	pCi/g
Radium-228	1.10	+/- .9	J	pCi/g
Strontium-90	1.20		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g
Thorium-227				
Thorium-228	.19	+/- .2063	UJ	pCi/g
Thorium-230	.80	+/- .41	J	pCi/g
Thorium-232	.34	+/- .21	J	pCi/g
Uranium, Total	12.90	+/- 1.8	-	ug/g
Uranium-233/234				
Uranium-234	7.57	+/- 1.577	J	pCi/g
Uranium-235				
Uranium-235/236	.56	+/- .1879	J	pCi/g
Uranium-236				
Uranium-238	9.39	+/- 1.792	J	pCi/g

000425

Appendix L.2 - Major Media
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	6F-003				6F-004				6F-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.04		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.00		UJ	pCi/g	.00		UJ	pCi/g
Lead-210	1.60		R	pCi/g	1.70	+/- 1	J	pCi/g	1.40	+/- 1.3	R	pCi/g
Neptunium-237	.04		NV	pCi/g	.04	+/- .07	UJ	pCi/g	.05	+/- .11	UJ	pCi/g
Plutonium-238	.02		NV	pCi/g	.13	+/- .2326	UJ	pCi/g	.13	+/- .1891	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.02		NV	pCi/g	.20		UJ	pCi/g	.10	+/- .1	R	pCi/g
Plutonium-241	.87		NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	.36		NV	pCi/g	.50	+/- .3	J	pCi/g	.60	+/- .3	-	pCi/g
Radium-226	.60	+/- .1	-	pCi/g	.40	+/- .1	-	pCi/g	.70	+/- .1	-	pCi/g
Radium-228	.20	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g	.40	+/- .2	-	pCi/g
Strontium-90	1.10		UJ	pCi/g	1.00	+/- 1	J	pCi/g	1.30		UJ	pCi/g
Technetium-99	2.30	+/- .8	-	pCi/g	1.20	+/- .5	-	pCi/g	.40		UJ	pCi/g
Thorium-227												
Thorium-228	.37		NV	pCi/g	.16		UJ	pCi/g	.50	+/- .2815	J	pCi/g
Thorium-230	.48		NV	pCi/g	.35	+/- .25	J	pCi/g	.47	+/- .35	J	pCi/g
Thorium-232	.26		NV	pCi/g	.17	+/- .13	J	pCi/g	.19	+/- .19	UJ	pCi/g
Uranium, Total	611.00	+/- 86.5	-	ug/g	211.00	+/- 29.9	-	ug/g	5.60	+/- .8	-	ug/g
Uranium-233/234												
Uranium-234	114.00		NV	pCi/g	49.72	+/- 13.95	J	pCi/g	.95	+/- .2958	J	pCi/g
Uranium-235												
Uranium-235/236	13.50		NV	pCi/g	2.37	+/- 1.678	J	pCi/g	.05	+/- .03842	J	pCi/g
Uranium-236												
Uranium-238	520.00		NV	pCi/g	224.10	+/- 49.93	J	pCi/g	1.77	+/- .3534	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	6F-006 DUP				6F-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.00		NV	pCi/g	-.03		NV	pCi/g
Cesium-137	.00		UJ	pCi/g	.00		UJ	pCi/g
Lead-210	5.30	+/- 2.2	J	pCi/g	3.20	+/- 1.5	J	pCi/g
Neptunium-237	-.02	+/- .07	UJ	pCi/g	-.01		NV	pCi/g
Plutonium-238	-.06	+/- .258	UJ	pCi/g	.02		NV	pCi/g
Plutonium-239								
Plutonium-239/240	.20		UJ	pCi/g	.03		NV	pCi/g
Plutonium-241			NV	pCi/g	.78		NV	pCi/g
Polonium-210	.80	+/- .3	-	pCi/g	.14		NV	pCi/g
Radium-226	.70	+/- .1	-	pCi/g	1.60	+/- .2	-	pCi/g
Radium-228	.20	+/- .1	J	pCi/g	.50	+/- .2	-	pCi/g
Strontium-90	1.10	+/- .9	J	pCi/g	11.20	+/- 3	J	pCi/g
Technetium-99	1.60	+/- .6	-	pCi/g	2.80	+/- .9	-	pCi/g
Thorium-227								
Thorium-228	.23	+/- .18	J	pCi/g	2.38		NV	pCi/g
Thorium-230	.46	+/- .26	J	pCi/g	.95		NV	pCi/g
Thorium-232	.15	+/- .14	J	pCi/g	1.33		NV	pCi/g
Uranium, Total	2160.00	+/- 306	-	ug/g	975.00	+/- 138	-	ug/g
Uranium-233/234								
Uranium-234	30.04	+/- 44.72	UJ	pCi/g	34.80		NV	pCi/g
Uranium-235								
Uranium-235/236	8.06	+/- 7.461	UJ	pCi/g	.57		NV	pCi/g
Uranium-236								
Uranium-238	372.30	+/- 72.59	J	pCi/g	189.00		NV	pCi/g

000177

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	1				1				2			
Sample:	8A-003A				8A-005A				8A-012A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.17		UJ	pCi/g	.17		UJ	pCi/g	.63	+/- 1.7	J	pCi/g
Cesium-137	.38		UJ	pCi/g	.04		UJ	pCi/g	.34		UJ	pCi/g
Lead-210	4.10		UJ	pCi/g	.36		UJ	pCi/g	3.50		UJ	pCi/g
Neptunium-237	.26		UJ	pCi/g	.16		UJ	pCi/g	1.90	+/- .57	J	pCi/g
Plutonium-238	.14	+/- 1.1	J	pCi/g	.07		UJ	pCi/g	.46	+/- 1.3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.71	+/- 1.1	J	pCi/g	.11	+/- .53	J	pCi/g	2.50	+/- 1.4	J	pCi/g
Plutonium-241	7.00		UJ	pCi/g	1.70	+/- 1.5	J	pCi/g	19.00	+/- 8.9	-	pCi/g
Polonium-210	6.00	+/- 1.6	-	pCi/g	.29	+/- 1.4	J	pCi/g	.40		UJ	pCi/g
Radium-226	.68		UJ	pCi/g	.11	+/- .09	J	pCi/g	.61		UJ	pCi/g
Radium-228	3.20	+/- 1.1	-	pCi/g	.18		UJ	pCi/g	5.40	+/- 1.6	-	pCi/g
Strontium-90	.08		UJ	pCi/g	.42		UJ	pCi/g	.08		UJ	pCi/g
Technetium-99	160.00	+/- 22	-	pCi/g	2.80		UJ	pCi/g	640.00	+/- 85	-	pCi/g
Thorium-227	31.00	+/- 3	-	pCi/g					53.00	+/- 3.2	-	pCi/g
Thorium-228	4.80	+/- 1.3	-	pCi/g	.11	+/- .7	J	pCi/g	8.30	+/- 1.7	-	pCi/g
Thorium-230	13.00	+/- 2.3	-	pCi/g	2.90	+/- .89	-	pCi/g	36.00	+/- 5.5	-	pCi/g
Thorium-232	2.30	+/- 1.2	J	pCi/g	.07	+/- .69	J	pCi/g	6.40	+/- 1.6	-	pCi/g
Uranium, Total	6400.00	+/- 1000	-	ug/g	120.00	+/- 20	-	ug/g	7500.00	+/- 1000	-	ug/g
Uranium-233/234												
Uranium-234	3800.00	+/- 570	J	pCi/g	38.00	+/- 110	R	pCi/g	3800.00	+/- 560	J	pCi/g
Uranium-235												
Uranium-235/236	460.00	+/- 86	J	pCi/g	7.90	+/- 140	R	pCi/g	370.00	+/- 69	J	pCi/g
Uranium-236												
Uranium-238	3000.00	+/- 450	J	pCi/g	31.00	+/- 110	R	pCi/g	3600.00	+/- 530	J	pCi/g

8210000

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				STEEL COATINGS				CONCRETE CHIPS			
Depth:									0-.5"			
Process Area:	2				3				4			
Sample:	8A-014A				8A-020A				8A-022A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.19	+/- 1.2	J	pCi/g	.16		UJ	pCi/g	.31	+/- .58	J	pCi/g
Cesium-137	.70		UJ	pCi/g	.42		UJ	pCi/g	.81	+/- .29	-	pCi/g
Lead-210	7.70		UJ	pCi/g	4.70		U	pCi/g	3.00		UJ	pCi/g
Neptunium-237	1.50	+/- .36	J	pCi/g	.40	+/- .21	J	pCi/g	.23	+/- .18	J	pCi/g
Plutonium-238	.37	+/- .52	J	pCi/g	.26	+/- .53	J	pCi/g	.39	+/- .42	J	pCi/g
Plutonium-239												
Plutonium-239/240	2.90	+/- .7	J	pCi/g	1.40	+/- .59	J	pCi/g	1.40	+/- .47	J	pCi/g
Plutonium-241	7.00	+/- 1.8	J	pCi/g	3.00	+/- 1.6	J	pCi/g	1.91	+/- 1.26	J	pCi/g
Polonium-210	1.60	+/- 1.3	J	pCi/g	5.10	+/- 1.7	-	pCi/g	.46	+/- .66	J	pCi/g
Radium-226	1.20		UJ	pCi/g	6.20	+/- 1.5	-	pCi/g	.60	+/- .3	J	pCi/g
Radium-228	5.20	+/- 2.1	-	pCi/g	10.00	+/- 2.6	-	pCi/g	2.00	+/- .75	-	pCi/g
Strontium-90	.82	+/- .3	-	pCi/g	.65	+/- .34	J	pCi/g	.20		UJ	pCi/g
Technetium-99	78.00	+/- 9.1	J	pCi/g	30.00	+/- 4.2	J	pCi/g	2800.00	+/- 320	J	pCi/g
Thorium-227												
Thorium-228	6.10	+/- 1.2	-	pCi/g	5.20	+/- 1	-	pCi/g	12.00		UJ	pCi/g
Thorium-230	34.00	+/- 5.2	-	pCi/g	56.00	+/- 8.4	-	pCi/g	55.00	+/- 120	J	pCi/g
Thorium-232	3.10	+/- .85	-	pCi/g	4.80	+/- 1	-	pCi/g	9.80		UJ	pCi/g
Uranium, Total	4000.00	+/- 800	-	ug/g	700.00	+/- 100	-	ug/g	5600.00	+/- 1000	UJ	ug/g
Uranium-233/234												
Uranium-234	12000.00	+/- 1800	J	pCi/g	3700.00	+/- 550	J	pCi/g	2100.00	+/- 360	-	pCi/g
Uranium-235												
Uranium-235/236	980.00	+/- 180	J	pCi/g	260.00	+/- 46	J	pCi/g	180.00	+/- 160	J	pCi/g
Uranium-236												
Uranium-238	14000.00	+/- 2100	J	pCi/g	3700.00	+/- 540	J	pCi/g	1900.00	+/- 350	-	pCi/g

6275000

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	4				4				5			
Sample:	8A-023A DUP				8A-026A				8A-028A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.79	+/- .32	-	pCi/g	.44	+/- 1.2	J	pCi/g	.51	+/- .31	J	pCi/g
Cesium-137	.95	+/- .33	-	pCi/g	.54		UJ	pCi/g	.50	+/- .21	-	pCi/g
Lead-210	3.10		UJ	pCi/g	5.80		UJ	pCi/g	2.40		UJ	pCi/g
Neptunium-237	.50		UJ	pCi/g	1.10	+/- .3	J	pCi/g	.46		UJ	pCi/g
Plutonium-238	.34	+/- .29	J	pCi/g	1.70	+/- .59	J	pCi/g	.30	+/- .32	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.10	+/- .34	J	pCi/g	3.00	+/- .72	J	pCi/g	1.10	+/- .36	J	pCi/g
Plutonium-241	1.29	+/- 1.14	J	pCi/g	4.60	+/- 1.5	J	pCi/g	2.32	+/- 1.35	J	pCi/g
Polonium-210	.70	+/- .7	J	pCi/g	1.80	+/- 1.7	J	pCi/g	.69	+/- .7	J	pCi/g
Radium-226	.57	+/- .37	J	pCi/g	2.80	+/- .95	-	pCi/g	.61	+/- .33	J	pCi/g
Radium-228	2.40	+/- .82	-	pCi/g	26.00	+/- 6.2	-	pCi/g	1.50	+/- .56	-	pCi/g
Strontium-90	.18		UJ	pCi/g	.62	+/- .32	J	pCi/g	.23	+/- .14	J	pCi/g
Technetium-99	2900.00	+/- 330	-	pCi/g	150.00	+/- 18	J	pCi/g	200.00	+/- 23	-	pCi/g
Thorium-227												
Thorium-228	9.10		UJ	pCi/g	16.00	+/- 2.5	-	pCi/g	11.00		UJ	pCi/g
Thorium-230	47.00	+/- 120	J	pCi/g	70.00	+/- 10	-	pCi/g	44.00	+/- 120	J	pCi/g
Thorium-232	7.60		UJ	pCi/g	14.00	+/- 2.3	-	pCi/g	9.40		UJ	pCi/g
Uranium, Total	4100.00	+/- 800	-	ug/g	2000.00	+/- 400	-	ug/g	1500.00	+/- 300	-	ug/g
Uranium-233/234												
Uranium-234	2100.00	+/- 340	-	pCi/g	6400.00	+/- 940	-	pCi/g	920.00	+/- 200	-	pCi/g
Uranium-235												
Uranium-235/236	200.00	+/- 180	J	pCi/g	520.00	+/- 100	-	pCi/g	140.00	+/- 170	J	pCi/g
Uranium-236												
Uranium-238	1900.00	+/- 320	-	pCi/g	6200.00	+/- 920	-	pCi/g	830.00	+/- 190	-	pCi/g

000430

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	5				6				6			
Sample:	8A-030A				8A-036A				8A-038A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.19	+/- 1.2	J	pCi/g	.81	+/- .3	-	pCi/g	.16		UJ	pCi/g
Cesium-137	.65	+/- .3	-	pCi/g	4.80	+/- 1.4	-	pCi/g	.43		UJ	pCi/g
Lead-210	3.80		UJ	pCi/g	2.10		UJ	pCi/g	4.70		UJ	pCi/g
Neptunium-237	.34	+/- .19	J	pCi/g	.45		UJ	pCi/g	.53	+/- .23	J	pCi/g
Plutonium-238	.45	+/- .55	J	pCi/g	.12	+/- .27	J	pCi/g	.43	+/- .58	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.90	+/- .63	J	pCi/g	1.90	+/- .4	J	pCi/g	1.70	+/- .65	J	pCi/g
Plutonium-241	1.70		UJ	pCi/g	1.65	+/- 1.18	J	pCi/g	2.90	+/- 1.7	J	pCi/g
Polonium-210	1.40	+/- 1.4	J	pCi/g	.53	+/- .66	J	pCi/g	1.90	+/- 1.4	J	pCi/g
Radium-226	2.50	+/- .74	-	pCi/g	.97	+/- .35	-	pCi/g	2.30	+/- .78	-	pCi/g
Radium-228	9.60	+/- 2.5	-	pCi/g	2.50	+/- .8	-	pCi/g	32.00	+/- 7.5	-	pCi/g
Strontium-90	.40		UJ	pCi/g	.65	+/- .21	J	pCi/g	.76	+/- .34	-	pCi/g
Technetium-99	29.00	+/- 4.1	J	pCi/g	160.00	+/- 18	-	pCi/g	74.00	+/- 8.7	J	pCi/g
Thorium-227												
Thorium-228	5.20	+/- 1.3	-	pCi/g	2.50	+/- 11	J	pCi/g	12.00	+/- 1.9	-	pCi/g
Thorium-230	72.00	+/- 11	-	pCi/g	47.00	+/- 14	-	pCi/g	57.00	+/- 8.5	-	pCi/g
Thorium-232	5.20	+/- 1.3	-	pCi/g	2.20	+/- 11	J	pCi/g	11.00	+/- 1.8	-	pCi/g
Uranium, Total	580.00	+/- 100	-	ug/g	1500.00	+/- 300	-	ug/g	660.00	+/- 100	-	ug/g
Uranium-233/234												
Uranium-234	1900.00	+/- 290	-	pCi/g	740.00	+/- 110	-	pCi/g	3100.00	+/- 450	J	pCi/g
Uranium-235												
Uranium-235/236	140.00	+/- 26	-	pCi/g	92.00	+/- 22	-	pCi/g	240.00	+/- 42	J	pCi/g
Uranium-236												
Uranium-238	1900.00	+/- 280	-	pCi/g	670.00	+/- 100	-	pCi/g	2900.00	+/- 420	J	pCi/g

000181

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	7				7				8			
Sample:	8A-040A				8A-042A				8A-049A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.87	+/- .36	-	pCi/g	1.70	+/- 1.3	J	pCi/g	.26	+/- .31	J	pCi/g
Cesium-137	1.40	+/- .5	-	pCi/g	.87		UJ	pCi/g	.18		UJ	pCi/g
Lead-210	3.80		UJ	pCi/g	10.00		UJ	pCi/g	2.70		UJ	pCi/g
Neptunium-237	3.10	+/- .81	J	pCi/g	2.60	+/- .52	J	pCi/g	.41		UJ	pCi/g
Plutonium-238	2.30	+/- .47	J	pCi/g	2.70	+/- .68	J	pCi/g	.08		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	4.20	+/- .72	J	pCi/g	15.00	+/- 2.3	J	pCi/g	.21	+/- .54	J	pCi/g
Plutonium-241	4.63	+/- 1.66	J	pCi/g	17.00	+/- 2.9	J	pCi/g	6.68	+/- 2.53	J	pCi/g
Polonium-210	2.20	+/- .78	-	pCi/g	36.00	+/- 16	-	pCi/g	.87	+/- .66	J	pCi/g
Radium-226	1.60	+/- .61	-	pCi/g	11.00	+/- 2.7	-	pCi/g	1.30	+/- .45	-	pCi/g
Radium-228	60.00	+/- 15	-	pCi/g	72.00	+/- 17	-	pCi/g	1.80	+/- .69	-	pCi/g
Strontium-90	.49	+/- .18	J	pCi/g	1.00	+/- .33	-	pCi/g	.18		UJ	pCi/g
Technetium-99	600.00	+/- 68	-	pCi/g	290.00	+/- 32	J	pCi/g	73.00	+/- 8.3	-	pCi/g
Thorium-227												
Thorium-228	50.00	+/- 120	J	pCi/g	36.00	+/- 5.4	J	pCi/g	100.00		UJ	pCi/g
Thorium-230	93.00	+/- 120	J	pCi/g	650.00	+/- 95	J	pCi/g	330.00		UJ	pCi/g
Thorium-232	50.00	+/- 120	J	pCi/g	33.00	+/- 5.1	J	pCi/g	53.00		UJ	pCi/g
Uranium, Total	7000.00	+/- 1000	-	ug/g	1700.00	+/- 300	-	ug/g	3700.00	+/- 700	-	ug/g
Uranium-233/234												
Uranium-234	3100.00	+/- 490	-	pCi/g	1600.00	+/- 240	-	pCi/g	2700.00	+/- 1500	J	pCi/g
Uranium-235												
Uranium-235/236	350.00	+/- 190	J	pCi/g	150.00	+/- 26	-	pCi/g	1700.00	+/- 1700	J	pCi/g
Uranium-236												
Uranium-238	2600.00	+/- 420	-	pCi/g	1500.00	+/- 220	-	pCi/g	2200.00	+/- 1400	J	pCi/g

00525

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	8				9				9			
Sample:	8A-051A				8A-053A				8A-055A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.18		UJ	pCi/g	.10	+/- .3	J	pCi/g	.16		UJ	pCi/g
Cesium-137	.20		UJ	pCi/g	.27		UJ	pCi/g	.18		UJ	pCi/g
Lead-210	2.30		UJ	pCi/g	3.70		UJ	pCi/g	3.00	+/- 1.9	UJ	pCi/g
Neptunium-237	.32	+/- .2	J	pCi/g	.43		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-238	.44	+/- .54	J	pCi/g	.03	+/- .33	J	pCi/g	.09	+/- .52	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.70	+/- .61	J	pCi/g	.18	+/- .33	J	pCi/g	.86	+/- .55	J	pCi/g
Plutonium-241	1.60		UJ	pCi/g	-25.30	+/- 3.89	UJ	pCi/g	1.60		UJ	pCi/g
Polonium-210	1.90	+/- 1.5	J	pCi/g	.60	+/- .69	J	pCi/g	3.40	+/- 1.6	-	pCi/g
Radium-226	3.70	+/- .88	-	pCi/g	.71	+/- .37	J	pCi/g	.53	+/- .3	J	pCi/g
Radium-228	9.10	+/- 2.2	-	pCi/g	.86		UJ	pCi/g	1.40	+/- .66	-	pCi/g
Strontium-90	.73	+/- .36	-	pCi/g	.18		UJ	pCi/g	.47	+/- .32	J	pCi/g
Technetium-99	320.00	+/- 35	J	pCi/g	200.00	+/- 23	-	pCi/g	13.00	+/- 2.8	J	pCi/g
Thorium-227												
Thorium-228	6.10	+/- 1.7	J	pCi/g	54.00		UJ	pCi/g	1.40	+/- .84	J	pCi/g
Thorium-230	52.00	+/- 8	J	pCi/g	340.00		UJ	pCi/g	25.00	+/- 3.9	-	pCi/g
Thorium-232	5.10	+/- 1.6	J	pCi/g	110.00		UJ	pCi/g	1.10	+/- .82	J	pCi/g
Uranium, Total	400.00	+/- 80	-	ug/g	8000.00	+/- 2000	-	ug/g	1500.00	+/- 300	-	ug/g
Uranium-233/234												
Uranium-234	1600.00	+/- 230	J	pCi/g	3800.00	+/- 1600	-	pCi/g	600.00	+/- 98	-	pCi/g
Uranium-235												
Uranium-235/236	140.00	+/- 23	J	pCi/g	330.00		UJ	pCi/g	46.00	+/- 40	J	pCi/g
Uranium-236												
Uranium-238	1400.00	+/- 210	J	pCi/g	3800.00	+/- 1600	-	pCi/g	520.00	+/- 86	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	10				10				11			
Sample:	8A-062A				8A-064A				8A-066A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.38	+/- .31	J	pCi/g	1.70	+/- 1.4	J	pCi/g	.50	+/- .35	J	pCi/g
Cesium-137	.18	+/- .11	J	pCi/g	.61		UJ	pCi/g	.11	+/- .069	J	pCi/g
Lead-210	1.60		UJ	pCi/g	5.20		UJ	pCi/g	1.10		UJ	pCi/g
Neptunium-237	.49		UJ	pCi/g	1.70	+/- .33	J	pCi/g	.41		UJ	pCi/g
Plutonium-238	.09	+/- .27	J	pCi/g	.73	+/- .28	-	pCi/g	.06	+/- .36	J	pCi/g
Plutonium-239												
Plutonium-239/240	.21	+/- .27	J	pCi/g	4.80	+/- .8	-	pCi/g	.45	+/- .37	J	pCi/g
Plutonium-241	1.00	+/- 1.1	J	pCi/g	.65		UJ	pCi/g	2.21	+/- 1.48	J	pCi/g
Polonium-210	.44	+/- .73	J	pCi/g	4.40	+/- 1	-	pCi/g	.32	+/- .7	J	pCi/g
Radium-226	.56	+/- .25	-	pCi/g	3.90	+/- 1.3	-	pCi/g	.45	+/- .18	J	pCi/g
Radium-228	1.90	+/- .57	-	pCi/g	12.00	+/- 3.3	-	pCi/g	1.20	+/- .41	-	pCi/g
Strontium-90	.17		UJ	pCi/g	.57	+/- .35	J	pCi/g	.12		UJ	pCi/g
Technetium-99	88.00	+/- 10	-	pCi/g	140.00	+/- 16	-	pCi/g	37.00	+/- 4.3	-	pCi/g
Thorium-227												
Thorium-228	8.70		UJ	pCi/g	12.00	+/- 2.2	J	pCi/g	.57		UJ	pCi/g
Thorium-230	38.00	+/- 120	J	pCi/g	160.00	+/- 24	J	pCi/g	8.70	+/- 7.5	J	pCi/g
Thorium-232	7.20		UJ	pCi/g	9.20	+/- 1.8	J	pCi/g	.69	+/- 7.1	J	pCi/g
Uranium, Total	810.00	+/- 200	-	ug/g	1400.00	+/- 300	-	ug/g	410.00	+/- 80	-	ug/g
Uranium-233/234												
Uranium-234	440.00	+/- 150	-	pCi/g	10000.00	+/- 1500	R	pCi/g	170.00	+/- 26	-	pCi/g
Uranium-235												
Uranium-235/236	49.00	+/- 160	J	pCi/g	860.00	+/- 140	R	pCi/g	19.00	+/- 9.4	-	pCi/g
Uranium-236												
Uranium-238	370.00	+/- 150	-	pCi/g	9800.00	+/- 1400	R	pCi/g	150.00	+/- 23	-	pCi/g

000284

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				STEEL COATINGS				CONCRETE CORE			
Depth:									0-.5"			
Process Area:	11				11				12			
Sample:	8A-068A				8A-069A DUP				8A-072			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.90	+/- 2.7	J	pCi/g	.16		UJ	pCi/g	.40	+/- 1.8	J	pCi/g
Cesium-137	.31		UJ	pCi/g	.33		UJ	pCi/g	.24	+/- .11	J	pCi/g
Lead-210	3.30		UJ	pCi/g	3.30		UJ	pCi/g	1.70		UJ	pCi/g
Neptunium-237	.37	+/- .19	J	pCi/g	.72	+/- .24	J	pCi/g	1.10	+/- .43	J	pCi/g
Plutonium-238	.51	+/- .5	J	pCi/g	.59	+/- .54	J	pCi/g	.25	+/- 1.2	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.30	+/- .55	J	pCi/g	2.00	+/- .63	J	pCi/g	1.80	+/- 1.3	J	pCi/g
Plutonium-241	3.10	+/- 1.5	J	pCi/g	3.40	+/- 1.5	J	pCi/g	20.00	+/- 8.6	-	pCi/g
Polonium-210	1.30	+/- 1.3	J	pCi/g	1.90	+/- 1.3	J	pCi/g	.38		UJ	pCi/g
Radium-226	1.60	+/- .6	-	pCi/g	2.40	+/- .76	-	pCi/g	.86	+/- .32	-	pCi/g
Radium-228	14.00	+/- 3.4	-	pCi/g	13.00	+/- 3.3	-	pCi/g	2.90	+/- .82	-	pCi/g
Strontium-90	.42	+/- .28	J	pCi/g	.38		UJ	pCi/g	.09		UJ	pCi/g
Technetium-99	58.00	+/- 7	J	pCi/g	72.00	+/- 8.5	J	pCi/g	43.00	+/- 5.7	-	pCi/g
Thorium-227									14.00	+/- 3.1	-	pCi/g
Thorium-228	4.90	+/- 1.1	-	pCi/g	7.10	+/- 1.3	-	pCi/g	3.90	+/- 1.3	-	pCi/g
Thorium-230	47.00	+/- 7.1	J	pCi/g	68.00	+/- 10	J	pCi/g	52.00	+/- 7.8	-	pCi/g
Thorium-232	4.80	+/- 1.1	-	pCi/g	6.70	+/- 1.3	-	pCi/g	3.20	+/- 1.3	-	pCi/g
Uranium, Total	410.00	+/- 80	-	ug/g	450.00	+/- 90	-	ug/g	1300.00	+/- 300	-	ug/g
Uranium-233/234												
Uranium-234	1800.00	+/- 270	J	pCi/g	2200.00	+/- 320	J	pCi/g	730.00	+/- 110	J	pCi/g
Uranium-235												
Uranium-235/236	170.00	+/- 28	J	pCi/g	200.00	+/- 33	J	pCi/g	74.00	+/- 25	J	pCi/g
Uranium-236												
Uranium-238	1700.00	+/- 250	J	pCi/g	2100.00	+/- 310	J	pCi/g	640.00	+/- 100	J	pCi/g

000185

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	12				12				12			
Sample:	8A-073				8A-074				8A-075 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.17	+/- .89	J	pCi/g	.05		UJ	pCi/g	1.20	+/- .32	-	pCi/g
Cesium-137	.07		UJ	pCi/g	.04		UJ	pCi/g	.21	+/- .13	J	pCi/g
Lead-210	.55		UJ	pCi/g	.47	+/- .3	J	pCi/g	1.90		UJ	pCi/g
Neptunium-237	.15		UJ	pCi/g	.08		UJ	pCi/g	1.20	+/- .54	J	pCi/g
Plutonium-238	.04		UJ	pCi/g	.02		UJ	pCi/g	.33	+/- .31	J	pCi/g
Plutonium-239												
Plutonium-239/240	.17	+/- .63	J	pCi/g	.02		UJ	pCi/g	2.70	+/- .53	J	pCi/g
Plutonium-241	4.70	+/- 3.9	J	pCi/g	2.30		UJ	pCi/g	2.94	+/- 1.4	J	pCi/g
Polonium-210	.71	+/- 1.1	J	pCi/g	.38		UJ	pCi/g	.49	+/- .66	J	pCi/g
Radium-226	.34	+/- .13	-	pCi/g	.25	+/- .1	-	pCi/g	.79	+/- .31	-	pCi/g
Radium-228	.41	+/- .18	-	pCi/g	.26	+/- .12	-	pCi/g	2.90	+/- .85	-	pCi/g
Strontium-90	.09		UJ	pCi/g	.09		UJ	pCi/g	.19		UJ	pCi/g
Technetium-99	5.30	+/- .84	-	pCi/g	1.00	+/- .48	-	pCi/g	43.00	+/- 5	-	pCi/g
Thorium-227	2.70	+/- 1.6	J	pCi/g	2.00	+/- .8	-	pCi/g				
Thorium-228	.49	+/- .58	J	pCi/g	.22	+/- .3	J	pCi/g	5.60	+/- 12	J	pCi/g
Thorium-230	6.90	+/- 1.2	-	pCi/g	2.70	+/- .53	-	pCi/g	90.00	+/- 19	J	pCi/g
Thorium-232	.43	+/- .58	J	pCi/g	.25	+/- .3	J	pCi/g	5.90	+/- 12	J	pCi/g
Uranium, Total	99.00	+/- 20	-	ug/g	36.00	+/- 7	-	ug/g	2000.00	+/- 400	-	ug/g
Uranium-233/234												
Uranium-234	46.00	+/- 8.4	J	pCi/g	11.00	+/- 1.7	J	pCi/g	900.00	+/- 140	-	pCi/g
Uranium-235												
Uranium-235/236	4.00	+/- 4.2	J	pCi/g	.95	+/- .56	J	pCi/g	89.00	+/- 23	-	pCi/g
Uranium-236												
Uranium-238	41.00	+/- 7.7	J	pCi/g	9.30	+/- 1.5	J	pCi/g	810.00	+/- 120	-	pCi/g

000486

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	12				13				13			
Sample:	8A-078A				8A-080				8A-081			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	4.90	+/- .99	J	pCi/g	1.70	+/- .35	J	pCi/g	1.10	+/- .33	-	pCi/g
Cesium-137	2.10	+/- .96	-	pCi/g	.24		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	9.30		UJ	pCi/g	3.20		UJ	pCi/g	.90		UJ	pCi/g
Neptunium-237	49.00	+/- 7.3	J	pCi/g	.45		UJ	pCi/g	.43		UJ	pCi/g
Plutonium-238	16.00	+/- 2.4	-	pCi/g	.27	+/- .28	J	pCi/g	.21	+/- .28	J	pCi/g
Plutonium-239												
Plutonium-239/240	92.00	+/- 14	-	pCi/g	.27	+/- .28	J	pCi/g	.04	+/- .28	J	pCi/g
Plutonium-241	.64		UJ	pCi/g	.86	+/- 1.1	J	pCi/g	.79	+/- 1.13	J	pCi/g
Polonium-210	14.00	+/- 2.6	-	pCi/g	.68	+/- .61	J	pCi/g	.32	+/- .68	J	pCi/g
Radium-226	54.00	+/- 14	-	pCi/g	.78	+/- .42	J	pCi/g	.56	+/- .22	-	pCi/g
Radium-228	340.00	+/- 84	-	pCi/g	14.00	+/- 3.5	-	pCi/g	7.60	+/- 1.9	-	pCi/g
Strontium-90	4.20	+/- 1.2	-	pCi/g	.17		UJ	pCi/g	.19		UJ	pCi/g
Technetium-99	1000.00	+/- 110	-	pCi/g	190.00	+/- 22	-	pCi/g	40.00	+/- 4.5	-	pCi/g
Thorium-227												
Thorium-228	300.00	+/- 43	J	pCi/g	15.00	+/- 12	J	pCi/g	5.00	+/- 3.1	J	pCi/g
Thorium-230	5600.00	+/- 820	J	pCi/g	21.00	+/- 13	J	pCi/g	2.80	+/- 3.1	J	pCi/g
Thorium-232	260.00	+/- 39	J	pCi/g	15.00	+/- 12	J	pCi/g	4.70	+/- 3.1	J	pCi/g
Uranium, Total	6500.00	+/- 1000	-	ug/g	4700.00	+/- 900	-	ug/g	63.00	+/- 10	-	ug/g
Uranium-233/234												
Uranium-234	37000.00	+/- 5500	J	pCi/g	1700.00	+/- 250	-	pCi/g	42.00	+/- 7.2	-	pCi/g
Uranium-235												
Uranium-235/236	3900.00	+/- 590	J	pCi/g	150.00	+/- 30	-	pCi/g	3.60	+/- 4.1	J	pCi/g
Uranium-236												
Uranium-238	33000.00	+/- 4800	J	pCi/g	1500.00	+/- 220	-	pCi/g	37.00	+/- 6.6	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				MASONRY CHIPS				STEEL COATINGS			
Depth:	1-4"				0-.5"							
Process Area:	13				13				13			
Sample:	8A-082				8A-084A				8A-086			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60	+/- .32	J	pCi/g	.42	+/- .61	J	pCi/g	.27	+/- 1.2	J	pCi/g
Cesium-137	.31		UJ	pCi/g	.24	+/- .13	J	pCi/g	.34		UJ	pCi/g
Lead-210	4.20		UJ	pCi/g	1.80		UJ	pCi/g	2.80		UJ	pCi/g
Neptunium-237	.46		UJ	pCi/g	.73	+/- .25	J	pCi/g	.42	+/- .16	J	pCi/g
Plutonium-238	.12	+/- .34	J	pCi/g	.26	+/- .39	J	pCi/g	2.20	+/- .47	-	pCi/g
Plutonium-239												
Plutonium-239/240	.19	+/- .34	J	pCi/g	1.90	+/- .5	J	pCi/g	1.30	+/- .39	-	pCi/g
Plutonium-241	-27.10	+/- 4.25	UJ	pCi/g	2.66	+/- 1.16	J	pCi/g	.78		UJ	pCi/g
Polonium-210	.38	+/- .76	J	pCi/g	1.80	+/- .77	-	pCi/g	8.60	+/- 1.6	-	pCi/g
Radium-226	.73	+/- .37	J	pCi/g	2.20	+/- .53	-	pCi/g	11.00	+/- 2.9	-	pCi/g
Radium-228	3.50	+/- 1.3	-	pCi/g	5.00	+/- 1.3	-	pCi/g	22.00	+/- 5.7	-	pCi/g
Strontium-90	.19		UJ	pCi/g	.17		UJ	pCi/g	1.70	+/- .56	-	pCi/g
Technetium-99	89.00	+/- 10	-	pCi/g	63.00	+/- 72	J	pCi/g	99.00	+/- 11	-	pCi/g
Thorium-227												
Thorium-228	12.00		UJ	pCi/g	3.40	+/- 12	J	pCi/g	22.00	+/- 3.6	J	pCi/g
Thorium-230	46.00	+/- 120	J	pCi/g	38.00	+/- 13	-	pCi/g	210.00	+/- 31	J	pCi/g
Thorium-232	8.80		UJ	pCi/g	3.90	+/- 12	J	pCi/g	21.00	+/- 3.6	J	pCi/g
Uranium, Total	5700.00	+/- 1000	-	ug/g	1200.00	+/- 200	-	ug/g	800.00	+/- 200	-	ug/g
Uranium-233/234												
Uranium-234	3200.00	+/- 510	-	pCi/g	390.00	+/- 61	-	pCi/g	3000.00	+/- 440	J	pCi/g
Uranium-235												
Uranium-235/236	300.00	+/- 200	J	pCi/g	44.00	+/- 17	-	pCi/g	240.00	+/- 38	J	pCi/g
Uranium-236												
Uranium-238	3200.00	+/- 500	-	pCi/g	390.00	+/- 62	-	pCi/g	2900.00	+/- 430	J	pCi/g

000188

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	14				14				16			
Sample:	8A-092A				8A-094A				8A-096			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.22	+/- .32	J	pCi/g	2.30	+/- .66	J	pCi/g	.13	+/- .31	J	pCi/g
Cesium-137	.07		UJ	pCi/g	.35		UJ	pCi/g	.13	+/- .077	J	pCi/g
Lead-210	.87		UJ	pCi/g	3.10		UJ	pCi/g	.58		UJ	pCi/g
Neptunium-237	.40		UJ	pCi/g	11.00	+/- 1.7	J	pCi/g	.48		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	4.50	+/- .74	-	pCi/g	.03	+/- .26	J	pCi/g
Plutonium-239												
Plutonium-239/240	.09	+/- .42	J	pCi/g	26.00	+/- 3.8	-	pCi/g	.25	+/- .27	J	pCi/g
Plutonium-241	-31.00	+/- 5.11	UJ	pCi/g	13.00	+/- 3.8	-	pCi/g	.58		UJ	pCi/g
Polonium-210	.26	+/- .68	J	pCi/g	5.30	+/- 1.3	-	pCi/g	.71	+/- .64	J	pCi/g
Radium-226	.43	+/- .16	-	pCi/g	6.10	+/- 1.7	-	pCi/g	.61	+/- .2	-	pCi/g
Radium-228	.95	+/- .41	-	pCi/g	31.00	+/- 7.6	-	pCi/g	.79	+/- .29	-	pCi/g
Strontium-90	.11	+/- .13	J	pCi/g	.43		UJ	pCi/g	.16		UJ	pCi/g
Technetium-99	7.60	+/- .99	-	pCi/g	570.00	+/- 64	-	pCi/g	6.00	+/- .82	-	pCi/g
Thorium-227												
Thorium-228	11.00		UJ	pCi/g	52.00	+/- 7.9	J	pCi/g	.68	+/- 2.8	J	pCi/g
Thorium-230	34.00	+/- 120	J	pCi/g	580.00	+/- 86	J	pCi/g	3.50	+/- 2.9	J	pCi/g
Thorium-232	8.90		UJ	pCi/g	49.00	+/- 7.6	J	pCi/g	.63	+/- 2.8	J	pCi/g
Uranium, Total	260.00	+/- 50	-	ug/g	1600.00	+/- 300	-	ug/g	48.00	+/- 10	-	ug/g
Uranium-233/234												
Uranium-234	99.00	+/- 150	J	pCi/g	11000.00	+/- 1700	R	pCi/g	26.00	+/- 6.7	-	pCi/g
Uranium-235												
Uranium-235/236	33.00		UJ	pCi/g	1100.00	+/- 170	R	pCi/g	2.50	+/- 6.4	J	pCi/g
Uranium-236												
Uranium-238	100.00	+/- 150	J	pCi/g	10000.00	+/- 1500	R	pCi/g	23.00	+/- 6.4	-	pCi/g

000189

9212

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	.5-1"				1-4"							
Process Area:	16				16				16			
Sample:	8A-097				8A-098				8A-100A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05	+/- .32	J	pCi/g	.04		UJ	pCi/g	1.20	+/- .68	J	pCi/g
Cesium-137	.05		UJ	pCi/g	.06		UJ	pCi/g	.12		UJ	pCi/g
Lead-210	.37		UJ	pCi/g	.38	+/- .4	J	pCi/g	2.40	+/- 1.2	-	pCi/g
Neptunium-237	.44		UJ	pCi/g	.45		UJ	pCi/g	.38	+/- .15	J	pCi/g
Plutonium-238	.02		UJ	pCi/g	.02		UJ	pCi/g	.28	+/- .27	J	pCi/g
Plutonium-239												
Plutonium-239/240	.02		UJ	pCi/g	.02		UJ	pCi/g	5.20	+/- .87	-	pCi/g
Plutonium-241									.65		UJ	pCi/g
Polonium-210	.27	+/- .69	J	pCi/g	.25	+/- .8	J	pCi/g	3.50	+/- 1.1	-	pCi/g
Radium-226	.31	+/- .13	-	pCi/g	.40	+/- .14	-	pCi/g	.48	+/- .26	J	pCi/g
Radium-228	.23		UJ	pCi/g	.24		UJ	pCi/g	.95	+/- .48	J	pCi/g
Strontium-90	.19		UJ	pCi/g	.20		UJ	pCi/g	.38		UJ	pCi/g
Technetium-99	4.20	+/- .66	-	pCi/g	2.10	+/- .5	-	pCi/g	9.90	+/- 2.7	-	pCi/g
Thorium-227												
Thorium-228	.32	+/- .98	J	pCi/g	.20	+/- .63	J	pCi/g	5.00	+/- 1.7	J	pCi/g
Thorium-230	.24	+/- 1	J	pCi/g	.25	+/- .66	J	pCi/g	96.00	+/- 15	J	pCi/g
Thorium-232	.19	+/- .98	J	pCi/g	.13	+/- .63	J	pCi/g	3.60	+/- 1.5	J	pCi/g
Uranium, Total	10.00	+/- 2	-	ug/g	4.00	+/- .8	-	ug/g	330.00	+/- 70	-	ug/g
Uranium-233/234												
Uranium-234	4.90	+/- .86	-	pCi/g	4.60	+/- .8	-	pCi/g	170.00	+/- 26	J	pCi/g
Uranium-235												
Uranium-235/236	.25	+/- .47	J	pCi/g	.33	+/- .42	J	pCi/g	19.00	+/- 5.2	J	pCi/g
Uranium-236												
Uranium-238	4.20	+/- .77	-	pCi/g	4.10	+/- .73	-	pCi/g	150.00	+/- 23	J	pCi/g

000130

Appendix L.2 - Major Media
Category 4 - Process Support
Component 8B - Plant 8 Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	8B-003				8B-004				8B-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		R	pCi/g	.10		UJ	pCi/g	.20		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.04		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g	.50	+/- .2	J	pCi/g
Neptunium-237	.00	+/- .02	UJ	pCi/g	.04	+/- .0271	J	pCi/g	.01	+/- .01	J	pCi/g
Plutonium-238	.02	+/- .09	UJ	pCi/g	.05	+/- .09	UJ	pCi/g	.10		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	-.01	+/- .04	UJ	pCi/g	-.01	+/- .04	UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241												
Polonium-210	1.40	+/- .3	J	pCi/g	1.20	+/- .3	-	pCi/g	1.30	+/- .3	-	pCi/g
Radium-226	.80	+/- .2	-	pCi/g	1.10	+/- .2	-	pCi/g	1.20	+/- .2	-	pCi/g
Radium-228	.40		UJ	pCi/g	.40	+/- .3	J	pCi/g	1.20	+/- .4	J	pCi/g
Strontium-90	.30		UJ	pCi/g	.40		UJ	pCi/g	.30	+/- .4	J	pCi/g
Technetium-99	.20		UJ	pCi/g	1.70	+/- .5	-	pCi/g	.40	+/- .2	J	pCi/g
Thorium-227												
Thorium-228	.30	+/- .12	J	pCi/g	.47	+/- .13	J	pCi/g	.24	+/- .11	J	pCi/g
Thorium-230	.70	+/- .2	J	pCi/g	1.00	+/- .23	J	pCi/g	1.64	+/- .3	J	pCi/g
Thorium-232	.17	+/- .09	J	pCi/g	.35	+/- .1	J	pCi/g	.22	+/- .09	J	pCi/g
Uranium, Total	4.80	+/- .7	J	ug/g	155.00	+/- 22	J	ug/g	108.00	+/- 15.2	J	ug/g
Uranium-233/234												
Uranium-234	1.83	+/- .28	J	pCi/g	50.39	+/- 6.96	J	pCi/g	44.03	+/- 6.02	J	pCi/g
Uranium-235												
Uranium-235/236	.16	+/- .06	J	pCi/g	3.85	+/- .72	J	pCi/g	3.01	+/- .54	J	pCi/g
Uranium-236												
Uranium-238	1.69	+/- .26	J	pCi/g	48.88	+/- 6.76	J	pCi/g	39.42	+/- 5.41	J	pCi/g

000191

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 8B - Plant 8 Maintenance Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	8B-007 DUP			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.05		UJ	pCi/g
Lead-210	.40	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .02	UJ	pCi/g
Plutonium-238	.03	+/- .08	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	-.03	+/- .03	UJ	pCi/g
Plutonium-241				
Polonium-210	1.20	+/- .3	-	pCi/g
Radium-226	1.20	+/- .3	-	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.50	+/- .2	J	pCi/g
Thorium-227				
Thorium-228	.22	+/- .1	J	pCi/g
Thorium-230	1.38	+/- .27	J	pCi/g
Thorium-232	.16	+/- .08	J	pCi/g
Uranium, Total	103.00	+/- 14.6	J	ug/g
Uranium-233/234				
Uranium-234	33.95	+/- 4.58	J	pCi/g
Uranium-235				
Uranium-235/236	2.60	+/- .46	J	pCi/g
Uranium-236				
Uranium-238	32.63	+/- 4.41	J	pCi/g

25600

Appendix L.2 - Major Media
Category 3 - Process
Component 8C - Rotary Kiln/Drum Reconditioning
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				2			
Sample:	8C-003				8C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	-.01		NV	pCi/g	-.05		NV	pCi/g
Cesium-137	.03		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.70	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g
Neptunium-237	.00		NV	pCi/g	.04		NV	pCi/g
Plutonium-238	.01		NV	pCi/g	.01		NV	pCi/g
Plutonium-239								
Plutonium-239/240	-.01		NV	pCi/g	.00		NV	pCi/g
Plutonium-241	3.86		NV	pCi/g	.08		NV	pCi/g
Polonium-210	.63		NV	pCi/g	.29		NV	pCi/g
Radium-226	.80	+/- .2	-	pCi/g	.60	+/- .1	-	pCi/g
Radium-228	.30		UJ	pCi/g	.50	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	.50	+/- .3	J	pCi/g	1.00	+/- .4	-	pCi/g
Thorium-227								
Thorium-228	.44		NV	pCi/g	.27		NV	pCi/g
Thorium-230	.61		NV	pCi/g	.60		NV	pCi/g
Thorium-232	.16		NV	pCi/g	.19		NV	pCi/g
Uranium, Total	50.20	+/- 7.1	J	ug/g	8.00	+/- 1.1	J	ug/g
Uranium-233/234								
Uranium-234	17.60		NV	pCi/g	3.36		NV	pCi/g
Uranium-235								
Uranium-235/236	1.41		NV	pCi/g	.29		NV	pCi/g
Uranium-236								
Uranium-238	16.10		NV	pCi/g	2.96		NV	pCi/g

000193

21273

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	9A-003				9A-004				9A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06	+/- .28	J	pCi/g	.03		UJ	pCi/g	.15	+/- .31	J	pCi/g
Cesium-137	.33		UJ	pCi/g	.11		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	3.90		UJ	pCi/g	1.40		UJ	pCi/g	.45		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g	.06		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.02		UJ	pCi/g	.01		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.05	+/- .31	J	pCi/g	.02	+/- .28	J	pCi/g	.02		UJ	pCi/g
Plutonium-241	-13.00	+/- 2.4	UJ	pCi/g	-14.00	+/- 2.4	UJ	pCi/g				
Polonium-210	.30	+/- .63	J	pCi/g	.33	+/- .59	J	pCi/g	.22	+/- .61	J	pCi/g
Radium-226	.61	+/- .45	J	pCi/g	.51	+/- .2	-	pCi/g	.43	+/- .17	-	pCi/g
Radium-228	1.00		UJ	pCi/g	.46	+/- .32	J	pCi/g	1.10	+/- .38	-	pCi/g
Strontium-90	.26	+/- .14	J	pCi/g	.19		UJ	pCi/g	.33	+/- .16	-	pCi/g
Technetium-99	16.00	+/- 2	-	pCi/g	1.90	+/- .51	-	pCi/g	1.70	+/- .5	-	pCi/g
Thorium-227												
Thorium-228	15.00		UJ	pCi/g	1.60		UJ	pCi/g	2.00	+/- .49	-	pCi/g
Thorium-230	37.00	+/- 88	U	pCi/g	3.60	+/- 9.2	J	pCi/g	.67	+/- .37	J	pCi/g
Thorium-232	6.40		UJ	pCi/g	.87		UJ	pCi/g	2.20	+/- .5	-	pCi/g
Uranium, Total	6100.00	+/- 1000	J	ug/g	830.00	+/- 200	J	ug/g	49.00	+/- 10	J	ug/g
Uranium-233/234												
Uranium-234	670.00	+/- 170	-	pCi/g	100.00	+/- 21	-	pCi/g	7.60	+/- 1.2	-	pCi/g
Uranium-235												
Uranium-235/236	95.00	+/- 150	J	pCi/g	12.00	+/- 17	J	pCi/g	.88	+/- .43	-	pCi/g
Uranium-236												
Uranium-238	3500.00	+/- 540	J	pCi/g	420.00	+/- 65	J	pCi/g	20.00	+/- 2.9	J	pCi/g

000494

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	1				2				2			
Sample:	9A-006				9A-010				9A-011			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.77	+/- 1.5	J	pCi/g	.74	+/- .38	J	pCi/g	.81	+/- 1.3	J	pCi/g
Cesium-137	1.20		UJ	pCi/g	.85		UJ	pCi/g	1.10		UJ	pCi/g
Lead-210	8.90		UJ	pCi/g	8.50		UJ	pCi/g	8.00		UJ	pCi/g
Neptunium-237	.19	+/- .16	J	pCi/g	18.00	+/- 2.6	-	pCi/g	.61	+/- .21	J	pCi/g
Plutonium-238	.16	+/- 1.3	J	pCi/g	1.40	+/- .35	-	pCi/g	.11	+/- 1.2	J	pCi/g
Plutonium-239												
Plutonium-239/240	.65	+/- 1.3	J	pCi/g	14.00	+/- 2.1	-	pCi/g	.67	+/- 1.2	J	pCi/g
Plutonium-241	13.00		UJ	pCi/g	47.00	+/- 7	J	pCi/g	33.00	+/- 14	J	pCi/g
Polonium-210	.84	+/- 2.2	J	pCi/g	.27	+/- .58	J	pCi/g	.62	+/- 2.2	J	pCi/g
Radium-226	2.10		UJ	pCi/g	1.50		UJ	pCi/g	1.80		UJ	pCi/g
Radium-228	160.00	+/- 38	J	pCi/g	2.50		UJ	pCi/g	96.00	+/- 23	J	pCi/g
Strontium-90	1.30		UJ	pCi/g	.18	+/- .11	J	pCi/g	.11		UJ	pCi/g
Technetium-99	55.00	+/- 18	-	pCi/g	8100.00	+/- 920	-	pCi/g	77.00	+/- 24	-	pCi/g
Thorium-227	32.00	+/- 3.2	-	pCi/g					45.00	+/- 2.7	-	pCi/g
Thorium-228	110.00	+/- 15	-	pCi/g	180.00		UJ	pCi/g	83.00	+/- 12	-	pCi/g
Thorium-230	13.00	+/- 2.7	-	pCi/g	980.00	+/- 930	J	pCi/g	8.40	+/- 2	-	pCi/g
Thorium-232	100.00	+/- 15	-	pCi/g	85.00		UJ	pCi/g	77.00	+/- 12	-	pCi/g
Uranium, Total	6200.00	+/- 1000	J	ug/g	65000.00	+/- 10000	J	ug/g	5600.00	+/- 1000	J	ug/g
Uranium-233/234												
Uranium-234	2900.00	+/- 430	J	pCi/g	49000.00	+/- 7500	-	pCi/g	1800.00	+/- 270	J	pCi/g
Uranium-235												
Uranium-235/236	330.00	+/- 48	J	pCi/g	6800.00	+/- 2000	-	pCi/g	210.00	+/- 31	J	pCi/g
Uranium-236												
Uranium-238	5200.00	+/- 770	J	pCi/g	34000.00	+/- 5200	J	pCi/g	1300.00	+/- 200	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	3				3				3			
Sample:	9A-015				9A-016				9A-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.21	+/- .27	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.17		UJ	pCi/g	.06		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	2.60		UJ	pCi/g	.59		UJ	pCi/g	.43		UJ	pCi/g
Neptunium-237	.23	+/- .082	-	pCi/g	.06		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.06	+/- .28	J	pCi/g	.01	+/- .29	J	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.34	+/- .29	J	pCi/g	.02	+/- .29	J	pCi/g	.02		UJ	pCi/g
Plutonium-241	1.20	+/- .84	J	pCi/g	-15.00	+/- 2.6	UJ	pCi/g				
Polonium-210	.35	+/- .65	J	pCi/g	.34	+/- .68	J	pCi/g	.31	+/- .7	J	pCi/g
Radium-226	.61	+/- .38	J	pCi/g	.30	+/- .14	-	pCi/g	.43	+/- .16	-	pCi/g
Radium-228	.57		UJ	pCi/g	.26		UJ	pCi/g	.23		UJ	pCi/g
Strontium-90	.30	+/- .15	-	pCi/g	.17		UJ	pCi/g	.16	+/- .1	J	pCi/g
Technetium-99	130.00	+/- 14	-	pCi/g	2.90	+/- .57	-	pCi/g	2.00	+/- .52	-	pCi/g
Thorium-227												
Thorium-228	2.30	+/- 8.7	J	pCi/g	.41		UJ	pCi/g	.15	+/- .44	J	pCi/g
Thorium-230	7.40	+/- 8.9	J	pCi/g	1.20	+/- 2.2	J	pCi/g	.48	+/- .45	J	pCi/g
Thorium-232	.80		UJ	pCi/g	.37	+/- 2.1	J	pCi/g	.23	+/- .44	J	pCi/g
Uranium, Total	1900.00	+/- 400	J	ug/g	67.00	+/- 10	J	ug/g	22.00	+/- 4	J	ug/g
Uranium-233/234												
Uranium-234	1100.00	+/- 160	-	pCi/g	31.00	+/- 5.9	-	pCi/g	9.70	+/- 1.5	-	pCi/g
Uranium-235												
Uranium-235/236	150.00	+/- 29	-	pCi/g	2.90	+/- 4.1	J	pCi/g	1.10	+/- .42	-	pCi/g
Uranium-236												
Uranium-238	1000.00	+/- 150	J	pCi/g	30.00	+/- 5.8	J	pCi/g	9.40	+/- 1.5	J	pCi/g

005600

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	ACID BRICK				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	3				3				4			
Sample:	9A-018				9A-019				9A-024			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.23	+/- .27	J	pCi/g	.26	+/- 1.4	J	pCi/g	.29	+/- .29	J	pCi/g
Cesium-137	.36		UJ	pCi/g	.49		UJ	pCi/g	.92		UJ	pCi/g
Lead-210	4.40		UJ	pCi/g	4.10		UJ	pCi/g	11.00		UJ	pCi/g
Neptunium-237	.13	+/- .064	-	pCi/g	.20	+/- .16	J	pCi/g	8.60	+/- 1.3	-	pCi/g
Plutonium-238	.02	+/- .3	J	pCi/g	.22	+/- 1.3	J	pCi/g	.61	+/- .29	-	pCi/g
Plutonium-239												
Plutonium-239/240	.09	+/- .3	J	pCi/g	.37	+/- 1.3	J	pCi/g	5.00	+/- .82	-	pCi/g
Plutonium-241	-16.00	+/- 2.7	UJ	pCi/g	14.00		UJ	pCi/g	13.00	+/- 2	J	pCi/g
Polonium-210	.06	+/- .59	J	pCi/g	.70	+/- 2.2	J	pCi/g	.18	+/- .68	J	pCi/g
Radium-226	1.10	+/- .58	J	pCi/g	.90		UJ	pCi/g	1.60		UJ	pCi/g
Radium-228	2.50	+/- 1	-	pCi/g	1.50		UJ	pCi/g	2.80		UJ	pCi/g
Strontium-90	.16		UJ	pCi/g	.12		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	19.00	+/- 2.2	-	pCi/g	59.00	+/- 20	-	pCi/g	6100.00	+/- 690	-	pCi/g
Thorium-227					.56	+/- 4.9	J	pCi/g				
Thorium-228	16.00		UJ	pCi/g	1.50	+/- 2.7	J	pCi/g	140.00		UJ	pCi/g
Thorium-230	70.00	+/- 90	J	pCi/g	2.70	+/- 2.9	J	pCi/g	340.00	+/- 880	J	pCi/g
Thorium-232	8.30		UJ	pCi/g	.77	+/- 2.6	J	pCi/g	93.00		UJ	pCi/g
Uranium, Total	9400.00	+/- 2000	J	ug/g	3800.00	+/- 800	J	ug/g	23000.00	+/- 5000	J	ug/g
Uranium-233/234												
Uranium-234	890.00	+/- 190	-	pCi/g	1300.00	+/- 192	J	pCi/g	23000.00	+/- 3700	-	pCi/g
Uranium-235												
Uranium-235/236	110.00	+/- 160	J	pCi/g	130.00	+/- 25	J	pCi/g	2900.00	+/- 1600	J	pCi/g
Uranium-236												
Uranium-238	3800.00	+/- 590	J	pCi/g	1200.00	+/- 180	J	pCi/g	18000.00	+/- 3000	J	pCi/g

000197

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	4				5				5			
Sample:	9A-025				9A-030				9A-031			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	1.20	+/- 1.4	J	pCi/g	.18	+/- .27	J	pCi/g	.03		UJ	pCi/g
Cesium-137	1.60		UJ	pCi/g	.43		UJ	pCi/g	.07		UJ	pCi/g
Lead-210	11.00		UJ	pCi/g	5.50		UJ	pCi/g	.85		UJ	pCi/g
Neptunium-237	1.90	+/- .41	J	pCi/g	.19	+/- .075	-	pCi/g	.06		UJ	pCi/g
Plutonium-238	.55	+/- 1.2	J	pCi/g	.02	+/- .29	J	pCi/g	.01	+/- .31	J	pCi/g
Plutonium-239												
Plutonium-239/240	3.30	+/- 1.3	-	pCi/g	.31	+/- .3	J	pCi/g	.04	+/- .31	J	pCi/g
Plutonium-241	14.00		UJ	pCi/g	.21	+/- .82	UJ	pCi/g	15.00	+/- 2.6	UJ	pCi/g
Polonium-210	1.00	+/- 2	J	pCi/g	.29	+/- .71	J	pCi/g	.29	+/- .63	J	pCi/g
Radium-226	2.80		UJ	pCi/g	.74		UJ	pCi/g	.43	+/- .18	-	pCi/g
Radium-228	4.20		UJ	pCi/g	1.30		UJ	pCi/g	.33	+/- .31	J	pCi/g
Strontium-90	.09		UJ	pCi/g	.17		UJ	pCi/g	.18		UJ	pCi/g
Technetium-99	190.00	+/- 55	-	pCi/g	270.00	+/- 30	-	pCi/g	18.00	+/- 2.1	-	pCi/g
Thorium-227	2.70	+/- 4.4	J	pCi/g								
Thorium-228	5.70	+/- 3.1	J	pCi/g	1.60		UJ	pCi/g	.39		UJ	pCi/g
Thorium-230	3.40	+/- 2.7	J	pCi/g	6.50	+/- 9.3	J	pCi/g	2.00	+/- 2.2	J	pCi/g
Thorium-232	1.00	+/- 2.4	J	pCi/g	.85	+/- 9.1	J	pCi/g	.41	+/- 2.2	J	pCi/g
Uranium, Total	26000.00	+/- 5000	J	ug/g	9300.00	+/- 2000	J	ug/g	270.00	+/- 50	J	ug/g
Uranium-233/234												
Uranium-234	4300.00	+/- 640	J	pCi/g	6500.00	+/- 980	-	pCi/g	150.00	+/- 23	-	pCi/g
Uranium-235												
Uranium-235/236	600.00	+/- 81	J	pCi/g	640.00	+/- 190	-	pCi/g	14.00	+/- 4.7	-	pCi/g
Uranium-236												
Uranium-238	8800.00	+/- 1300	J	pCi/g	5000.00	+/- 750	J	pCi/g	120.00	+/- 18	J	pCi/g

000158

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				ACID BRICK				STEEL COATINGS			
Depth:	1-4"				0-.5"							
Process Area:	5				5				5			
Sample:	9A-032				9A-033				9A-035			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.23	+/- .51	J	pCi/g	.16		UJ	pCi/g
Cesium-137	.06		UJ	pCi/g	.19		UJ	pCi/g	.14		UJ	pCi/g
Lead-210	.49		UJ	pCi/g	3.30		UJ	pCi/g	1.40		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g	.12	+/- .072	J	pCi/g	.08	+/- .038	J	pCi/g
Plutonium-238	.02	+/- .28	J	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01	+/- .28	J	pCi/g	.09	+/- .49	J	pCi/g	.31	+/- .38	J	pCi/g
Plutonium-241	-13.00	+/- 2.3	UJ	pCi/g	-33.00	+/- 4.5	UJ	pCi/g	1.40		UJ	pCi/g
Polonium-210	.31	+/- .61	J	pCi/g	.13		UJ	pCi/g	1.10	+/- .89	J	pCi/g
Radium-226	.39	+/- .15	-	pCi/g	1.10	+/- .39	-	pCi/g	.25		UJ	pCi/g
Radium-228	.53	+/- .23	-	pCi/g	1.90	+/- .67	-	pCi/g	1.60	+/- .65	-	pCi/g
Strontium-90	.17		UJ	pCi/g	.20		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	9.10	+/- 1.1	-	pCi/g	27.00	+/- 3.1	J	pCi/g	26.00	+/- 5.1	-	pCi/g
Thorium-227									.73	+/- 2.5	U	pCi/g
Thorium-228	.27	+/- .47	J	pCi/g	1.40	+/- 5.3	J	pCi/g	.86	+/- 1.1	J	pCi/g
Thorium-230	.60	+/- .49	J	pCi/g	2.40	+/- 5.4	J	pCi/g	1.20	+/- 1.2	J	pCi/g
Thorium-232	.34	+/- .47	J	pCi/g	.56		UJ	pCi/g	.75	+/- 1.1	J	pCi/g
Uranium, Total	61.00	+/- 10	J	ug/g	2600.00	+/- 500	J	ug/g	670.00	+/- 100	-	ug/g
Uranium-233/234												
Uranium-234	34.00	+/- 5	-	pCi/g	1400.00	+/- 210	J	pCi/g	510.00	+/- 75	J	pCi/g
Uranium-235												
Uranium-235/236	3.30	+/- .67	-	pCi/g	150.00	+/- 25	J	pCi/g	55.00	+/- 14	J	pCi/g
Uranium-236												
Uranium-238	27.00	+/- 4	J	pCi/g	1100.00	+/- 160	J	pCi/g	440.00	+/- 66	J	pCi/g

000459

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	6				6				6			
Sample:	9A-037				9A-038				9A-039			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04	+/- .24	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.11		UJ	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	1.70		UJ	pCi/g	.46		UJ	pCi/g	.54		UJ	pCi/g
Neptunium-237	.03		UJ	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01	+/- .27	J	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.02	+/- .28	J	pCi/g	.02		UJ	pCi/g
Plutonium-241	-23.00	+/- 3.5	UJ	pCi/g	-20.00	+/- 2.8	UJ	pCi/g				
Polonium-210	.30	+/- .63	J	pCi/g	.29	+/- .65	J	pCi/g	.18		J	pCi/g
Radium-226	.43	+/- .2	-	pCi/g	.43	+/- .14	-	pCi/g	.23	+/- .14	J	pCi/g
Radium-228	.35		UJ	pCi/g	.36	+/- .19	J	pCi/g	.24		UJ	pCi/g
Strontium-90	.18		UJ	pCi/g	.15		UJ	pCi/g	.18	+/- .12	UJ	pCi/g
Technetium-99	4.60	+/- .67	J	pCi/g	1.30	+/- .43	J	pCi/g	3.70	+/- .59	J	pCi/g
Thorium-227												
Thorium-228	.46		UJ	pCi/g	.14	+/- .68	J	pCi/g	.14	+/- .5	J	pCi/g
Thorium-230	1.80	+/- 5.3	J	pCi/g	.41	+/- .69	J	pCi/g	.28	+/- .5	J	pCi/g
Thorium-232	.51		UJ	pCi/g	.12	+/- .68	J	pCi/g	.15	+/- .5	J	pCi/g
Uranium, Total	1000.00	+/- 200	J	ug/g	23.00	+/- 5	J	ug/g	27.00	+/- 5	J	ug/g
Uranium-233/234												
Uranium-234	110.00	+/- 18	J	pCi/g	3.90	+/- .98	J	pCi/g	11.00	+/- 1.9	J	pCi/g
Uranium-235												
Uranium-235/236	14.00	+/- 8.3	J	pCi/g	.45	+/- .77	J	pCi/g	1.30	+/- .82	J	pCi/g
Uranium-236												
Uranium-238	370.00	+/- 55	J	pCi/g	11.00	+/- 1.9	J	pCi/g	13.00	+/- 2.1	J	pCi/g

005600

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	ACID BRICK				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	6				6				7			
Sample:	9A-041				9A-042				9A-043			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15	+/- .51	J	pCi/g	.60	+/- 1.3	J	pCi/g	.15	+/- .23	J	pCi/g
Cesium-137	.09		UJ	pCi/g	.32		UJ	pCi/g	.19		UJ	pCi/g
Lead-210	1.50		UJ	pCi/g	2.30		UJ	pCi/g	3.20		UJ	pCi/g
Neptunium-237	.09	+/- .078	J	pCi/g	.07	+/- .15	J	pCi/g	.40	+/- .092	J	pCi/g
Plutonium-238	.06		UJ	pCi/g	.21	+/- 1.3	J	pCi/g	.06	+/- .3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.07	+/- .68	J	pCi/g	.34	+/- 1.3	J	pCi/g	.34		J	pCi/g
Plutonium-241					14.00		UJ	pCi/g	-.64	+/- 1.4	UJ	pCi/g
Polonium-210	.18		UJ	pCi/g	1.40	+/- 2.5	J	pCi/g	.26	+/- .73	J	pCi/g
Radium-226	1.10	+/- .33	-	pCi/g	.55		UJ	pCi/g	.35		UJ	pCi/g
Radium-228	1.70	+/- .55	-	pCi/g	.91		UJ	pCi/g	.81	+/- .54	J	pCi/g
Strontium-90	.18		UJ	pCi/g	.16		UJ	pCi/g	.23		UJ	pCi/g
Technetium-99	17.00	+/- 2	J	pCi/g	14.00	+/- 7.6	J	pCi/g	110.00	+/- 12	J	pCi/g
Thorium-227					.40		U	pCi/g				
Thorium-228	.91	+/- 6	J	pCi/g	.45	+/- 2.6	J	pCi/g	1.80	+/- 5.6	J	pCi/g
Thorium-230	1.60	+/- 6.1	J	pCi/g	1.10	+/- 2.7	J	pCi/g	3.30	+/- 5.7	J	pCi/g
Thorium-232	1.60	+/- 6	J	pCi/g	.48	+/- 2.6	J	pCi/g	.77	+/- 5.6	J	pCi/g
Uranium, Total	490.00	+/- 100	J	ug/g	780.00	+/- 200	J	ug/g	3700.00	+/- 700	J	ug/g
Uranium-233/234												
Uranium-234	240.00	+/- 37	J	pCi/g	370.00	+/- 58	J	pCi/g	1600.00	+/- 230	J	pCi/g
Uranium-235												
Uranium-235/236	95.00	+/- 9.8	J	pCi/g	41.00	+/- 17	J	pCi/g	180.00	+/- 30	J	pCi/g
Uranium-236												
Uranium-238	210.00	+/- 33	J	pCi/g	300.00	+/- 48	J	pCi/g	1400.00	+/- 210	J	pCi/g

000201

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	.5-1"				1-4"							
Process Area:	7				7				7			
Sample:	9A-044				9A-045				9A-047			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.04		UJ	pCi/g	1.60		U	pCi/g
Cesium-137	.06		UJ	pCi/g	.05		UJ	pCi/g	.36		UJ	pCi/g
Lead-210	.80		UJ	pCi/g	.44		UJ	pCi/g	2.90		UJ	pCi/g
Neptunium-237	.04		UJ	pCi/g	.04		UJ	pCi/g	.16	+/- .16	J	pCi/g
Plutonium-238	.02		UJ	pCi/g	.01	+/- .26	J	pCi/g	.19	+/- 1.2	J	pCi/g
Plutonium-239												
Plutonium-239/240	.02	+/- .27	J	pCi/g	.02		UJ	pCi/g	.41	+/- 1.3	J	pCi/g
Plutonium-241	-18.00	+/- 2.6	UJ	pCi/g					13.00		UJ	pCi/g
Polonium-210	.24	+/- .59	J	pCi/g	.25	+/- .58	J	pCi/g	.75	+/- 2.1	J	pCi/g
Radium-226	.28	+/- .13	-	pCi/g	.29	+/- .12	-	pCi/g	.66		UJ	pCi/g
Radium-228	.34	+/- .18	J	pCi/g	.29	+/- .19	J	pCi/g	1.20		UJ	pCi/g
Strontium-90	.18		UJ	pCi/g	.18		UJ	pCi/g	.50		UJ	pCi/g
Technetium-99	11.00	+/- 1.3	J	pCi/g	4.10	+/- .62	J	pCi/g	8.70	+/- 6.4	J	pCi/g
Thorium-227									.30	+/- 4.6	J	pCi/g
Thorium-228	.39	+/- 2.8	J	pCi/g	.30	+/- 1	J	pCi/g	.75	+/- 2.5	J	pCi/g
Thorium-230	.96	+/- 2.8	J	pCi/g	.47	+/- 1.1	J	pCi/g	1.70	+/- 2.6	J	pCi/g
Thorium-232	.21	+/- 2.8	J	pCi/g	.23	+/- 1	J	pCi/g	.51	+/- 2.5	J	pCi/g
Uranium, Total	99.00	+/- 20	-	ug/g	28.00	+/- 6	J	ug/g	1300.00	+/- 300	J	ug/g
Uranium-233/234												
Uranium-234	38.00	+/- 6.7	J	pCi/g	10.00	+/- 1.6	J	pCi/g	640.00	+/- 97	J	pCi/g
Uranium-235												
Uranium-235/236	4.10	+/- 4	J	pCi/g	1.20	+/- .45	J	pCi/g	70.00	+/- 17	J	pCi/g
Uranium-236												
Uranium-238	37.00	+/- 6.6	J	pCi/g	9.50	+/- 1.5	J	pCi/g	450.00	+/- 70	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	4				4			
Sample:	9A-049				9A-051			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.27	+/- .34	NV	pCi/g	.04	+/- .12	NV	pCi/g
Cesium-137	.03		NV	pCi/g	.03		NV	pCi/g
Lead-210	4.90	+/- 1.3	NV	pCi/g	3.90	+/- 1.2	NV	pCi/g
Neptunium-237	.84	+/- .18	NV	pCi/g	.07	+/- .071	NV	pCi/g
Plutonium-238	.02	+/- .16	NV	pCi/g	.01	+/- .16	NV	pCi/g
Plutonium-239								
Plutonium-239/240	.60	+/- .51	NV	pCi/g	.15	+/- .14	NV	pCi/g
Plutonium-241								
Polonium-210	1.70	+/- 2.1	NV	pCi/g	1.20	+/- 1.3	NV	pCi/g
Radium-226	.32		NV	pCi/g	.33		NV	pCi/g
Radium-228	.28		NV	pCi/g	.25		NV	pCi/g
Strontium-90	.54	+/- .25	NV	pCi/g	.06	+/- .18	NV	pCi/g
Technetium-99	120.00	+/- 4.5	NV	pCi/g	30.00	+/- 1.3	NV	pCi/g
Thorium-227								
Thorium-228	1.90	+/- .3	NV	pCi/g	.76	+/- .2	NV	pCi/g
Thorium-230	.71	+/- .16	NV	pCi/g	.48	+/- .16	NV	pCi/g
Thorium-232	.17	+/- .08	NV	pCi/g	.17	+/- .085	NV	pCi/g
Uranium, Total	6500.00	+/- 400	NV	ug/g	780.00	+/- 47	NV	ug/g
Uranium-233/234								
Uranium-234	170.00	+/- 67	NV	pCi/g	180.00	+/- 72	NV	pCi/g
Uranium-235								
Uranium-235/236	9.30	+/- 6.3	NV	pCi/g	10.00	+/- 6.2	NV	pCi/g
Uranium-236								
Uranium-238	180.00		NV	pCi/g	170.00		NV	pCi/g

9212

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Facility
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	9B-003				9B-004				9B-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	.16		UJ	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.17		UJ	pCi/g	.10		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	1.80		UJ	pCi/g	.88		UJ	pCi/g	.62	+/- .38	J	pCi/g
Neptunium-237	.38		UJ	pCi/g	.07		UJ	pCi/g	.29	+/- .1	J	pCi/g
Plutonium-238	.06		UJ	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.09		UJ	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-241	7.30		UJ	pCi/g	1.80		UJ	pCi/g	2.70	+/- 2.7	J	pCi/g
Polonium-210	.44		UJ	pCi/g	.40		UJ	pCi/g	.42		UJ	pCi/g
Radium-226	.71	+/- .3	-	pCi/g	.72	+/- .25	-	pCi/g	.45	+/- .16	-	pCi/g
Radium-228	.61		UJ	pCi/g	.37	+/- .25	J	pCi/g	.29	+/- .16	J	pCi/g
Strontium-90	.08		UJ	pCi/g	.09		UJ	pCi/g	.10		UJ	pCi/g
Technetium-99	51.00	+/- 6.8	-	pCi/g	30.00	+/- 4	-	pCi/g	4.00	+/- .69	-	pCi/g
Thorium-227	15.00	+/- 3.2	-	pCi/g	4.70	+/- .8	-	pCi/g	4.20	+/- .81	-	pCi/g
Thorium-228	.75	+/- 1.2	J	pCi/g	.35	+/- .3	J	pCi/g	.34	+/- .31	J	pCi/g
Thorium-230	.97	+/- 1.2	J	pCi/g	.87	+/- .34	-	pCi/g	.94	+/- .35	-	pCi/g
Thorium-232	.51	+/- 1.2	J	pCi/g	.25	+/- .3	J	pCi/g	.28	+/- .31	J	pCi/g
Uranium, Total	860.00	+/- 200	-	ug/g	270.00	+/- 50	-	ug/g	59.00	+/- 10	-	ug/g
Uranium-233/234												
Uranium-234	100.00	+/- 15	J	pCi/g	34.00	+/- 10	J	pCi/g	41.00	+/- 6	J	pCi/g
Uranium-235												
Uranium-235/236	13.00	+/- 2.3	J	pCi/g	5.90	+/- 8.2	J	pCi/g	4.90	+/- .78	J	pCi/g
Uranium-236												
Uranium-238	380.00	+/- 57	J	pCi/g	120.00	+/- 20	J	pCi/g	37.00	+/- 5.4	J	pCi/g

0002004

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Facility
Analytical Results - Radionuclides

Material:	STEEL COATINGS				MASONRY CHIPS			
Depth:					0-.5"			
Process Area:	1				1			
Sample:	9B-007				9B-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.13	+/- .76	J	pCi/g	.07	+/- .63	J	pCi/g
Cesium-137	.71		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	6.60		UJ	pCi/g	1.70	+/- .97	J	pCi/g
Neptunium-237	.91	+/- .22	J	pCi/g	.23		UJ	pCi/g
Plutonium-238	.39	+/- .27	J	pCi/g	.04	+/- .45	J	pCi/g
Plutonium-239								
Plutonium-239/240	2.00	+/- .44	-	pCi/g	.13	+/- .45	J	pCi/g
Plutonium-241	.65		UJ	pCi/g	-22.80	+/- 4.04	UJ	pCi/g
Polonium-210	.83	+/- .55	J	pCi/g	.08		UJ	pCi/g
Radium-226	1.20		UJ	pCi/g	1.10	+/- .31	J	pCi/g
Radium-228	36.00	+/- 9	-	pCi/g	2.40	+/- .67	-	pCi/g
Strontium-90	.42		UJ	pCi/g	.19		UJ	pCi/g
Technetium-99	600.00	+/- 67	-	pCi/g	21.00	+/- 2.4	J	pCi/g
Thorium-227								
Thorium-228	19.00	+/- 3	J	pCi/g	1.90		UJ	pCi/g
Thorium-230	26.00	+/- 4	J	pCi/g	13.00	+/- 29	J	pCi/g
Thorium-232	17.00	+/- 2.7	J	pCi/g	1.60		UJ	pCi/g
Uranium, Total	1000.00	+/- 200	-	ug/g	690.00	+/- 100	-	ug/g
Uranium-233/234								
Uranium-234	4400.00	+/- 650	J	pCi/g	180.00	+/- 50	-	pCi/g
Uranium-235								
Uranium-235/236	570.00	+/- 88	J	pCi/g	21.00	+/- 37	J	pCi/g
Uranium-236								
Uranium-238	4300.00	+/- 640	J	pCi/g	230.00	+/- 57	-	pCi/g

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 9C - Plant 9 Dust Collector
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	9C-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.30	+/- .2	J	pCi/g
Lead-210	6.30	+/- 2.6	J	pCi/g
Neptunium-237	2.60		NV	pCi/g
Plutonium-238	.12		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.17		NV	pCi/g
Plutonium-241	3.80		NV	pCi/g
Polonium-210	.54		NV	pCi/g
Radium-226	20.10	+/- 2.5	-	pCi/g
Radium-228	20.90	+/- 3.1	-	pCi/g
Strontium-90	4.70	+/- 1.2	-	pCi/g
Technetium-99	6.90	+/- 2.1	U	pCi/g
Thorium-227				
Thorium-228	31.00		NV	pCi/g
Thorium-230	3.70		NV	pCi/g
Thorium-232	17.00		NV	pCi/g
Uranium, Total	5770.00	+/- 818	-	ug/g
Uranium-233/234				
Uranium-234	1970.00	+/- 194	NV	pCi/g
Uranium-235				
Uranium-235/236	126.00		NV	pCi/g
Uranium-236				
Uranium-238	1770.00	+/- 175	NV	pCi/g

000206

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	9D-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/g
Cesium-137	.20	+/- .1	J	pCi/g
Lead-210	.20	+/- .2	J	pCi/g
Neptunium-237	.06	+/- .0769	UJ	pCi/g
Plutonium-238	-.08	+/- .18	UJ	pCi/g
Plutonium-239	.02	+/- .08	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	.90	+/- .2	-	pCi/g
Radium-226	1.30	+/- .3	J	pCi/g
Radium-228	.40	+/- .3	J	pCi/g
Strontium-90	.50	+/- .4	J	pCi/g
Technetium-99	.60	+/- .6	J	pCi/g
Thorium-227				
Thorium-228	.90	+/- .2	J	pCi/g
Thorium-230	.66	+/- .26	J	pCi/g
Thorium-232	.50	+/- .18	J	pCi/g
Uranium, Total	41.30	+/- 5.8	J	ug/g
Uranium-233/234				
Uranium-234	14.33	+/- 2.61	J	pCi/g
Uranium-235	1.89	+/- .52	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	13.65	+/- 2.5	J	pCi/g

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9E - Plant 9 Cylinder Shed
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	9E-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.90	+/- .3	J	pCi/g
Neptunium-237	-.02	+/- .0344	UJ	pCi/g
Plutonium-238	-.02	+/- .09	UJ	pCi/g
Plutonium-239	.05	+/- .04	J	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.20	+/- .4	J	pCi/g
Radium-226	.70	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.80	+/- .3	-	pCi/g
Thorium-227				
Thorium-228	.29	+/- .1	J	pCi/g
Thorium-230	.61	+/- .17	J	pCi/g
Thorium-232	.24	+/- .08	J	pCi/g
Uranium, Total	16.00	+/- 2.3	J	ug/g
Uranium-233/234				
Uranium-234	7.38	+/- 1.37	J	pCi/g
Uranium-235	.66	+/- .21	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	6.52	+/- 1.23	J	pCi/g

002008

Appendix L.2 - Major Media
Category 3 - Process
Component 9F - Electrostatic Precipitator
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	9F-003				9F-004				9F-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.02		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.50	+/- .2	J	pCi/g	.00		UJ	pCi/g	.00		UJ	pCi/g
Lead-210	3.90	+/- 1.8	J	pCi/g	1.70	+/- 1.1	J	pCi/g	1.90	+/- 1.1	J	pCi/g
Neptunium-237	.55		NV	pCi/g	.01	+/- .04	UJ	pCi/g	-.03	+/- .08	UJ	pCi/g
Plutonium-238	.10		NV	pCi/g	.12	+/- .17	J	pCi/g	.12	+/- .1799	J	pCi/g
Plutonium-239												
Plutonium-239/240	.52		NV	pCi/g	.10		UJ	pCi/g	.10	+/- .2	R	pCi/g
Plutonium-241	3.51		NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	.89		NV	pCi/g	.80	+/- .4	J	pCi/g	1.40		UJ	pCi/g
Radium-226	2.00	+/- .3	-	pCi/g	1.10	+/- .2	-	pCi/g	.80	+/- .1	-	pCi/g
Radium-228	1.00	+/- .2	-	pCi/g	.20	+/- .1	J	pCi/g	.20	+/- .2	J	pCi/g
Strontium-90	1.40	+/- .9	J	pCi/g	1.00		UJ	pCi/g	1.60	+/- 1.1	J	pCi/g
Technetium-99	149.00	+/- 45.9	-	pCi/g	5.00	+/- 1.5	-	pCi/g	2.00	+/- .7	-	pCi/g
Thorium-227												
Thorium-228	.17		NV	pCi/g	.22	+/- .162	J	pCi/g	.17	+/- .13	J	pCi/g
Thorium-230	14.40		NV	pCi/g	.43	+/- .29	J	pCi/g	.21	+/- .24	J	pCi/g
Thorium-232	.98		NV	pCi/g	.22	+/- .15	J	pCi/g	.10	+/- .12	UJ	pCi/g
Uranium, Total	3710.00	+/- 525	-	ug/g	189.00	+/- 26.7	-	ug/g	36.50	+/- 5.2	-	ug/g
Uranium-233/234												
Uranium-234	1390.00		NV	pCi/g	42.13	+/- 20.6	R	pCi/g	20.92	+/- 8.901	J	pCi/g
Uranium-235												
Uranium-235/236	186.00		NV	pCi/g	4.29	+/- 2.558	R	pCi/g	2.13	+/- .7493	J	pCi/g
Uranium-236												
Uranium-238	24.80		NV	pCi/g	33.07	+/- 10.44	R	pCi/g	16.19	+/- 3.742	J	pCi/g

000209

2173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 10A - Boiler Plant
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	10A-001				10A-002			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.16		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.02		UJ	pCi/g
Lead-210	2.49		UJ	pCi/g	2.43		UJ	pCi/g
Neptunium-237	.16		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-238	.02	+/- .0179	J	pCi/g	.04		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.04		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241								
Polonium-210	.38	+/- .185	J	pCi/g	.21		UJ	pCi/g
Radium-226	.46	+/- .0598	-	pCi/g	.45	+/- .0585	-	pCi/g
Radium-228	.24	+/- .0718	-	pCi/g	.24	+/- .0719	-	pCi/g
Strontium-90	.30		UJ	pCi/g	.28		UJ	pCi/g
Technetium-99	.52		UJ	pCi/g	.51		UJ	pCi/g
Thorium-227								
Thorium-228	.18	+/- .0724	-	pCi/g	.26	+/- .0799	-	pCi/g
Thorium-230	.24	+/- .118	-	pCi/g	.12	+/- .115	J	pCi/g
Thorium-232	.15	+/- .0531	-	pCi/g	.19	+/- .0569	-	pCi/g
Uranium, Total	1.10	+/- .0612	-	ug/g	1.59	+/- .112	-	ug/g
Uranium-233/234								
Uranium-234	.67	+/- .115	-	pCi/g	1.06	+/- .159	-	pCi/g
Uranium-235								
Uranium-235/236	.09	+/- .0469	J	pCi/g	.18	+/- .0604	-	pCi/g
Uranium-236								
Uranium-238	1.60	+/- .176	-	pCi/g	.96	+/- .136	-	pCi/g

000210

Appendix L.2 - Major Media
Category 4 - Process Support
Component 10B - Boiler Plant Maintenance Bldg.
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	10B-004				10B-005				10B-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.00		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	1.00	+/- .3	J	pCi/g	1.00	+/- .3	J	pCi/g	.70	+/- .3	J	pCi/g
Neptunium-237	.02	+/- .0338	UJ	pCi/g	-.02	+/- .0287	UJ	pCi/g	.04	+/- .0355	UJ	pCi/g
Plutonium-238	-.10	+/- .2	UJ	pCi/g	.10	+/- .2	UJ	pCi/g	.00	+/- .2	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.10	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	.70		UJ	pCi/g	1.40	+/- .5	J	pCi/g	1.10	+/- .4	J	pCi/g
Radium-226	1.40	+/- .2	J	pCi/g	1.30	+/- 1.6	J	pCi/g	2.90	+/- 3.5	R	pCi/g
Radium-228	.60	+/- .4	J	pCi/g	.40	+/- .3	J	pCi/g	.90	+/- .4	-	pCi/g
Strontium-90	1.00		UJ	pCi/g	1.00		UJ	pCi/g	.80		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g	.20		UJ	pCi/g	.40		UJ	pCi/g
Thorium-227												
Thorium-228					.31	+/- .14	J	pCi/g	1.04	+/- .26	J	pCi/g
Thorium-230					.20	+/- .22	J	pCi/g	.20	+/- .22	J	pCi/g
Thorium-232					.19	+/- .11	J	pCi/g	.84	+/- .21	J	pCi/g
Uranium, Total	4.60	+/- .7	J	ug/g	3.60	+/- .5	J	ug/g	24.00	+/- 3.4	J	ug/g
Uranium-233/234												
Uranium-234	.61	+/- .28	J	pCi/g	.75	+/- .27	J	pCi/g	11.67	+/- 2.28	J	pCi/g
Uranium-235	.32	+/- .13	J	pCi/g	.08	+/- .08	UJ	pCi/g	1.20	+/- .38	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	.39	+/- .23	J	pCi/g	.50	+/- .23	J	pCi/g	8.24	+/- 1.64	J	pCi/g

000211

7173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 10B - Boiler Plant Maintenance Bldg.
Analytical Results - Radionuclides

Material:	CONCRETE CORE			
Depth:	0-.5"			
Process Area:	1			
Sample:	10B-007 DUP			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.70	+/- .3	J	pCi/g
Neptunium-237	.01	+/- .0387	UJ	pCi/g
Plutonium-238	.00	+/- .2	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10	+/- .1	J	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	.90	+/- .3	J	pCi/g
Radium-226	1.20	+/- 1.4	R	pCi/g
Radium-228	.90	+/- .4	-	pCi/g
Strontium-90	1.00		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g
Thorium-227				
Thorium-228	.25	+/- .13	J	pCi/g
Thorium-230	.20	+/- .22	UJ	pCi/g
Thorium-232	.29	+/- .13	J	pCi/g
Uranium, Total	3.00	+/- .4	J	ug/g
Uranium-233/234				
Uranium-234	.40	+/- .23	J	pCi/g
Uranium-235	.12	+/- .08	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	.43	+/- .22	J	pCi/g

27300

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	10D-001				10D-002				10D-003			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.51		NV	pCi/g	.12		NV	pCi/g	.02		NV	pCi/g
Cesium-137	.20		UJ	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	31.10	+/- 4.7	J	pCi/g	13.70	+/- 2.1	J	pCi/g	3.40	+/- .6	J	pCi/g
Neptunium-237	2.20		NV	pCi/g	.66		NV	pCi/g	.57		NV	pCi/g
Plutonium-238	.39		NV	pCi/g	.09		NV	pCi/g	.06		NV	pCi/g
Plutonium-239												
Plutonium-239/240	2.70		NV	pCi/g	.95		NV	pCi/g	.15		NV	pCi/g
Plutonium-241	13.00		NV	pCi/g	4.60		NV	pCi/g	.35		NV	pCi/g
Polonium-210	.63		NV	pCi/g	.49		NV	pCi/g	.22		NV	pCi/g
Radium-226	3.40	+/- .6	-	pCi/g	1.80	+/- .3	-	pCi/g	1.30	+/- .2	-	pCi/g
Radium-228	1.20	+/- .4	-	pCi/g	.80	+/- .4	-	pCi/g	.40		UJ	pCi/g
Strontium-90	1.00	+/- .4	-	pCi/g	.20	+/- .3	R	pCi/g	.30	+/- .4	R	pCi/g
Technetium-99	10.60	+/- 2.6	-	pCi/g	33.90	+/- 8.5	-	pCi/g	12.80	+/- 3.2	-	pCi/g
Thorium-227												
Thorium-228	3.80		NV	pCi/g	1.20		NV	pCi/g	1.00		NV	pCi/g
Thorium-230	17.00		NV	pCi/g	5.30		NV	pCi/g	3.10		NV	pCi/g
Thorium-232	1.40		NV	pCi/g	.52		NV	pCi/g	.72		NV	pCi/g
Uranium, Total	5030.00	+/- 711	J	ug/g	1240.00	+/- 175	J	ug/g	742.00	+/- 105	J	ug/g
Uranium-233/234												
Uranium-234	2000.00		NV	pCi/g	600.00		NV	pCi/g	300.00		NV	pCi/g
Uranium-235												
Uranium-235/236	190.00		NV	pCi/g	60.00		NV	pCi/g	30.00		NV	pCi/g
Uranium-236												
Uranium-238	1500.00		NV	pCi/g	460.00		NV	pCi/g	260.00		NV	pCi/g

000213

7173

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	11-004				11-005				11-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.00	+/- .0148	J	pCi/g	.02		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.86		UJ	pCi/g	.78		UJ	pCi/g	1.98		UJ	pCi/g
Neptunium-237	.10		UJ	pCi/g	.13		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.01	+/- .00556	J	pCi/g	.01		UJ	pCi/g
Plutonium-241	.67		UJ	pCi/g	.42		UJ	pCi/g	.43		UJ	pCi/g
Polonium-210	.29	+/- .157	J	pCi/g	.41	+/- .198	-	pCi/g	.42	+/- .203	-	pCi/g
Radium-226	.58	+/- .0764	J	pCi/g	.54	+/- .0703	J	pCi/g	.57	+/- .0709	J	pCi/g
Radium-228	.22	+/- .101	J	pCi/g	.20	+/- .089	J	pCi/g	.28	+/- .094	J	pCi/g
Strontium-90	2.59		UJ	pCi/g	2.44		UJ	pCi/g	2.28		UJ	pCi/g
Technetium-99	.42		UJ	pCi/g	.42		UJ	pCi/g	.41		UJ	pCi/g
Thorium-227												
Thorium-228	.29	+/- .0489	J	pCi/g	.29	+/- .0448	J	pCi/g	.30	+/- .0632	J	pCi/g
Thorium-230	.46	+/- .105	J	pCi/g	.24	+/- .0927	J	pCi/g	.68	+/- .129	J	pCi/g
Thorium-232	.29	+/- .0435	J	pCi/g	.22	+/- .0355	-	pCi/g	.29	+/- .0535	-	pCi/g
Uranium, Total	1.46	+/- .076	U	ug/g	1.11	+/- .058	-	ug/g	1.49	+/- .0826	-	ug/g
Uranium-233/234												
Uranium-234	.73	+/- .0997	J	pCi/g	.70	+/- .0961	-	pCi/g	.64	+/- .0883	-	pCi/g
Uranium-235												
Uranium-235/236	.15	+/- .0385	J	pCi/g	.11	+/- .0328	-	pCi/g	.09	+/- .0291	-	pCi/g
Uranium-236												
Uranium-238	.53	+/- .0789	J	pCi/g	.58	+/- .0813	J	pCi/g	.64	+/- .0832	J	pCi/g

000214

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				MASONRY CHIPS				CONCRETE CORE			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				2			
Sample:	11-007				11-008				11-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.02		UJ	pCi/g	.15		UJ	pCi/g	.14		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	2.11		UJ	pCi/g	36.30		UJ	pCi/g	2.10		UJ	pCi/g
Neptunium-237	.14		UJ	pCi/g	.11		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01	+/- .00695	J	pCi/g	.01	+/- .00929	J	pCi/g	.01		UJ	pCi/g
Plutonium-241	.48		UJ	pCi/g								
Polonium-210	.39	+/- .19	-	pCi/g	.62	+/- .189	-	pCi/g	.40	+/- .13	-	pCi/g
Radium-226	.48	+/- .0649	J	pCi/g	.47	+/- .0707	-	pCi/g	.51	+/- .0665	-	pCi/g
Radium-228	.29	+/- .0905	J	pCi/g	.20	+/- .087	-	pCi/g	.29	+/- .0913	-	pCi/g
Strontium-90	1.91		UJ	pCi/g	.16		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	.43		UJ	pCi/g	.30		UJ	pCi/g	.47	+/- .261	J	pCi/g
Thorium-227												
Thorium-228	.37	+/- .0568	J	pCi/g	.35	+/- .0573	-	pCi/g	.37	+/- .0613	-	pCi/g
Thorium-230	.69	+/- .117	J	pCi/g	.54	+/- .0963	-	pCi/g	.35	+/- .089	-	pCi/g
Thorium-232	.40	+/- .0536	J	pCi/g	.22	+/- .0391	-	pCi/g	.24	+/- .0418	-	pCi/g
Uranium, Total	1.33	+/- .0692	-	ug/g	16.70	+/- 1.08	-	ug/g	13.90	+/- .867	-	ug/g
Uranium-233/234												
Uranium-234	.52	+/- .0781	J	pCi/g	5.36	+/- .492	-	pCi/g	6.01	+/- .537	-	pCi/g
Uranium-235												
Uranium-235/236	.07	+/- .0292	J	pCi/g	.74	+/- .1	-	pCi/g	.55	+/- .08	-	pCi/g
Uranium-236												
Uranium-238	.47	+/- .0683	J	pCi/g	5.98	+/- .542	-	pCi/g	6.27	+/- .557	-	pCi/g

000257

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	2				2				2			
Sample:	11-013				11-014				11-016			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/g	.17		UJ	pCi/g	.15		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.63		UJ	pCi/g	.70		UJ	pCi/g	1.97		UJ	pCi/g
Neptunium-237	.13		UJ	pCi/g	.13		UJ	pCi/g	.16		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-241												
Polonium-210	.63	+/- .154	-	pCi/g	.34	+/- .145	-	pCi/g	.30	+/- .099	-	pCi/g
Radium-226	.39	+/- .0581	-	pCi/g	.45	+/- .062	-	pCi/g	.45	+/- .0645	-	pCi/g
Radium-228	.25	+/- .0788	-	pCi/g	.16	+/- .0825	-	pCi/g	.23	+/- .0948	-	pCi/g
Strontium-90	.18		UJ	pCi/g	.14		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	.44	+/- .252	J	pCi/g	.34		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.23	+/- .0491	-	pCi/g	.29	+/- .0536	-	pCi/g	.35	+/- .058	-	pCi/g
Thorium-230	.31	+/- .0854	-	pCi/g	.22	+/- .0812	-	pCi/g	.26	+/- .0842	-	pCi/g
Thorium-232	.16	+/- .0341	-	pCi/g	.15	+/- .0337	-	pCi/g	.20	+/- .0385	-	pCi/g
Uranium, Total	18.80	+/- 1.24	-	ug/g	1.15	+/- .0636	-	ug/g	1.12	+/- .0618	-	ug/g
Uranium-233/234												
Uranium-234	2.51	+/- .251	-	pCi/g	.24	+/- .0627	-	pCi/g	.28	+/- .0672	-	pCi/g
Uranium-235												
Uranium-235/236	.67	+/- .0912	-	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Uranium-236												
Uranium-238	2.86	+/- .276	-	pCi/g	.29	+/- .0534	-	pCi/g	.36	+/- .0616	-	pCi/g

000234

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	3				3				3			
Sample:	11-017				11-018				11-019			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/g	.17		UJ	pCi/g	.19		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.34		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.79		UJ	pCi/g	1.94		UJ	pCi/g	1.86		UJ	pCi/g
Neptunium-237	.11		UJ	pCi/g	.15		UJ	pCi/g	.13		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-241												
Polonium-210	.81	+/- .156	-	pCi/g	.31	+/- .11	-	pCi/g	.27	+/- .0955	-	pCi/g
Radium-226	.42	+/- .0647	-	pCi/g	.55	+/- .07	-	pCi/g	.42	+/- .0598	-	pCi/g
Radium-228	.20	+/- .0916	-	pCi/g	.18	+/- .0913	-	pCi/g	.15	+/- .0857	J	pCi/g
Strontium-90	.22		UJ	pCi/g	.21		UJ	pCi/g	.19		UJ	pCi/g
Technetium-99	.32		UJ	pCi/g	.31		UJ	pCi/g	.29		UJ	pCi/g
Thorium-227												
Thorium-228	.38	+/- .0577	-	pCi/g	.24	+/- .0499	-	pCi/g	.37	+/- .0573	-	pCi/g
Thorium-230	.22	+/- .0794	-	pCi/g	.34	+/- .0871	-	pCi/g	.17	+/- .0782	-	pCi/g
Thorium-232	.21	+/- .0374	-	pCi/g	.18	+/- .0366	-	pCi/g	.17	+/- .0341	-	pCi/g
Uranium, Total	1.60	+/- .091	-	ug/g	2.29	+/- .126	-	ug/g	1.07	+/- .0592	-	ug/g
Uranium-233/234												
Uranium-234	.76	+/- .106	-	pCi/g	.42	+/- .0746	-	pCi/g	.55	+/- .111	-	pCi/g
Uranium-235												
Uranium-235/236	.12	+/- .0392	-	pCi/g	.04		UJ	pCi/g	.10	+/- .0482	-	pCi/g
Uranium-236												
Uranium-238	.66	+/- .0901	-	pCi/g	.36	+/- .0601	-	pCi/g	.53	+/- .0978	-	pCi/g

000212

21273

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	3				4				4			
Sample:	11-021				11-022				11-024			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.11		UJ	pCi/g	.02		UJ	pCi/g	.18		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	2.11	+/- 1.35	J	pCi/g	2.03	+/- .509	-	pCi/g	1.73		UJ	pCi/g
Neptunium-237	.13		UJ	pCi/g	.04		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-241												
Polonium-210	.39	+/- .0983	-	pCi/g	.30	+/- .0816	UJ	pCi/g	.39	+/- .118	-	pCi/g
Radium-226	.44	+/- .0603	-	pCi/g	.46	+/- .0702	-	pCi/g	.42	+/- .0607	-	pCi/g
Radium-228	.22	+/- .0854	-	pCi/g	.27	+/- .0974	-	pCi/g	.23	+/- .0852	-	pCi/g
Strontium-90	.19		UJ	pCi/g	.22		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g	.50		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.39	+/- .0605	-	pCi/g	.39	+/- .0679	-	pCi/g	.32	+/- .0584	-	pCi/g
Thorium-230	.26	+/- .0826	-	pCi/g	.23	+/- .113	-	pCi/g	.29	+/- .086	-	pCi/g
Thorium-232	.24	+/- .0408	-	pCi/g	.28	+/- .0513	-	pCi/g	.21	+/- .0403	-	pCi/g
Uranium, Total	1.21	+/- .0693	-	ug/g	6.32	+/- .349	-	ug/g	4.11	+/- .23	-	ug/g
Uranium-233/234												
Uranium-234	.34	+/- .07	-	pCi/g	2.62	+/- .247	J	pCi/g	1.37	+/- .149	-	pCi/g
Uranium-235												
Uranium-235/236	.03	+/- .0283	J	pCi/g	.22	+/- .0435	J	pCi/g	.08	+/- .0331	-	pCi/g
Uranium-236												
Uranium-238	.39	+/- .0626	-	pCi/g	2.69	+/- .251	J	pCi/g	1.57	+/- .159	-	pCi/g

000238

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	5
Sample:	11-026

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.13		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	1.84		UJ	pCi/g
Neptunium-237	.10		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241				
Polonium-210	.53	+/- .128	-	pCi/g
Radium-226	.69	+/- .0772	-	pCi/g
Radium-228	.30	+/- .0879	-	pCi/g
Strontium-90	.15		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.44	+/- .0705	-	pCi/g
Thorium-230	.60	+/- .106	-	pCi/g
Thorium-232	.33	+/- .0523	-	pCi/g
Uranium, Total	5.55	+/- .307	-	ug/g
Uranium-233/234				
Uranium-234	.93	+/- .118	-	pCi/g
Uranium-235				
Uranium-235/236	.21	+/- .0474	-	pCi/g
Uranium-236				
Uranium-238	.85	+/- .105	-	pCi/g

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	12A-003				12A-004				12A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06		UJ	pCi/g	.10		UJ	pCi/g	.08		UJ	pCi/g
Cesium-137	.24	+/- .17	J	pCi/g	.22		UJ	pCi/g	.27		UJ	pCi/g
Lead-210	.52	+/- .36	J	pCi/g	.85		UJ	pCi/g	.42		UJ	pCi/g
Neptunium-237	.11		UJ	pCi/g	.12		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-238	.23	+/- .12	J	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	4.53	+/- .47	J	pCi/g	.04		UJ	pCi/g	.40	+/- .08	J	pCi/g
Plutonium-241	22.00		UJ	pCi/g					5.50		UJ	pCi/g
Polonium-210	3.95	+/- .91	J	pCi/g	.28	+/- .2	J	pCi/g	.29	+/- .19	J	pCi/g
Radium-226	.62	+/- .14	-	pCi/g	1.30	+/- .24	-	pCi/g	.48	+/- .13	-	pCi/g
Radium-228	1.00		UJ	pCi/g	.95		UJ	pCi/g	4.80		UJ	pCi/g
Strontium-90	.36		UJ	pCi/g	.44		UJ	pCi/g	.39		UJ	pCi/g
Technetium-99	1.89	+/- .58	-	pCi/g	.31	+/- .16	J	pCi/g	.14		UJ	pCi/g
Thorium-227												
Thorium-228	2.13	+/- .41	J	pCi/g	.15		UJ	pCi/g	.34	+/- .093	J	pCi/g
Thorium-230	.90	+/- .47	J	pCi/g	.71	+/- .23	J	pCi/g	.41	+/- .15	J	pCi/g
Thorium-232	1.39	+/- .29	J	pCi/g	.30	+/- .13	J	pCi/g	.28	+/- .088	J	pCi/g
Uranium, Total	170.00	+/- 4.7	-	ug/g	52.60	+/- 1.4	-	ug/g	3.26	+/- .09	-	ug/g
Uranium-233/234												
Uranium-234	60.30	+/- 5.7	J	pCi/g	7.43	+/- .66	J	pCi/g	.44	+/- .15	J	pCi/g
Uranium-235												
Uranium-235/236	3.93	+/- .49	J	pCi/g	.38	+/- .076	J	pCi/g	.06		UJ	pCi/g
Uranium-236												
Uranium-238	73.80	+/- 6.9	J	pCi/g	7.69	+/- .68	J	pCi/g	.48	+/- .15	J	pCi/g

0023000

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	ACID BRICK				ACID BRICK				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	12A-007R				12A-008R DUP				12A-010R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	.06		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.76	+/- .17	J	pCi/g	.92	+/- .24	J	pCi/g	.41	+/- .16	-	pCi/g
Lead-210	2.65	+/- .36	J	pCi/g	1.50	+/- .27	J	pCi/g	12.30	+/- 1.2	J	pCi/g
Neptunium-237	.09		UJ	pCi/g	.08		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g	.11		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.05		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241	1.45	+/- 2.6	J	pCi/g	2.30		UJ	pCi/g				
Polonium-210	1.49	+/- .32	J	pCi/g	1.61	+/- .33	J	pCi/g	18.20	+/- 2.6	J	pCi/g
Radium-226	1.39	+/- .22	J	pCi/g	1.56	+/- .25	J	pCi/g	59.50	+/- 8.3	-	pCi/g
Radium-228	4.31	+/- .89	J	pCi/g	3.07	+/- .74	J	pCi/g	1.20		UJ	pCi/g
Strontium-90	.38		UJ	pCi/g	.41		UJ	pCi/g	.34		UJ	pCi/g
Technetium-99	.43	+/- .13	J	pCi/g	.35	+/- .12	J	pCi/g	1.49	+/- .47	-	pCi/g
Thorium-227	.04		NV	pCi/g	.07		NV	pCi/g				
Thorium-228	5.19	+/- .57	J	pCi/g	3.61	+/- .33	J	pCi/g	1.94	+/- .43	J	pCi/g
Thorium-230	3.95	+/- .42	J	pCi/g	3.43	+/- .31	J	pCi/g	38.80	+/- 7.1	J	pCi/g
Thorium-232	4.80	+/- .5	J	pCi/g	3.13	+/- .29	J	pCi/g	1.96	+/- .45	J	pCi/g
Uranium, Total	1140.00	+/- 27	J	ug/g	664.00	+/- 16	J	ug/g	1240.00	+/- 34	-	ug/g
Uranium-233/234												
Uranium-234	171.00	+/- 15	J	pCi/g	216.00	+/- 20	J	pCi/g	452.00	+/- 32	J	pCi/g
Uranium-235												
Uranium-235/236	6.29	+/- .98	J	pCi/g	8.53	+/- 1.3	J	pCi/g	18.10	+/- 2.6	J	pCi/g
Uranium-236												
Uranium-238	183.00	+/- 16	J	pCi/g	226.00	+/- 21	J	pCi/g	520.00	+/- 36	J	pCi/g

00321

2123

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:					0-.5"				.5-1"			
Process Area:	1				2				2			
Sample:	12A-012R				12A-014R				12A-015R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15	+/- .056	J	pCi/g	.28		R	pCi/g	1.20		R	pCi/g
Cesium-137	.54		UJ	pCi/g	.24		UJ	pCi/g	.32		UJ	pCi/g
Lead-210	150.00	+/- 9.3	J	pCi/g	.37		UJ	pCi/g	.33		UJ	pCi/g
Neptunium-237	.31	+/- .17	J	pCi/g	.11		UJ	pCi/g	.16		UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g	.11	+/- .1	J	pCi/g	.58	+/- .14	J	pCi/g
Plutonium-239												
Plutonium-239/240	.26	+/- .076	-	pCi/g	2.23	+/- .24	J	pCi/g	2.76	+/- .29	J	pCi/g
Plutonium-241	6.30		R	pCi/g	16.00		UJ	pCi/g	21.00		UJ	pCi/g
Polonium-210	502.00	+/- 86	-	pCi/g	.41	+/- .22	J	pCi/g	1.04	+/- .36	J	pCi/g
Radium-226	156.00	+/- 22	J	pCi/g	.55	+/- .13	-	pCi/g	.56	+/- .14	-	pCi/g
Radium-228	19.10	+/- 3.1	J	pCi/g	1.80		UJ	pCi/g	1.30		UJ	pCi/g
Strontium-90	.95	+/- .59	J	pCi/g	.32		UJ	pCi/g	.31		UJ	pCi/g
Technetium-99	8.18	+/- .9	J	pCi/g	.16		UJ	pCi/g	.13	+/- .12	J	pCi/g
Thorium-227												
Thorium-228	39.40	+/- 8.6	J	pCi/g	.59	+/- .14	J	pCi/g	.28	+/- .081	J	pCi/g
Thorium-230	239.00	+/- 47	J	pCi/g	1.59	+/- .37	J	pCi/g	1.63	+/- .37	J	pCi/g
Thorium-232	26.40	+/- 5.8	J	pCi/g	.39	+/- .1	J	pCi/g	.31	+/- .08	J	pCi/g
Uranium, Total	14600.00	+/- 400	J	ug/g	25.90	+/- .71	-	ug/g	8.54	+/- .23	-	ug/g
Uranium-233/234												
Uranium-234	2080.00	+/- 440	J	pCi/g	5.61	+/- .63	J	pCi/g	1.72	+/- .28	J	pCi/g
Uranium-235												
Uranium-235/236	92.70	+/- 25	J	pCi/g	.28	+/- .087	J	pCi/g	.06		UJ	pCi/g
Uranium-236												
Uranium-238	2250.00	+/- 480	J	pCi/g	5.78	+/- .64	J	pCi/g	1.89	+/- .29	J	pCi/g

260000

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				MASONRY CHIPS				STEEL COATINGS			
Depth:	1-4"				0-.5"							
Process Area:	2				2				2			
Sample:	12A-016R				12A-018R				12A-020R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.06		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.26		UJ	pCi/g	.21		UJ	pCi/g	.59		UJ	pCi/g
Lead-210	.66	+/- .41	J	pCi/g	.59		UJ	pCi/g	.63		UJ	pCi/g
Neptunium-237	.10		UJ	pCi/g	.10		UJ	pCi/g	.07		UJ	pCi/g
Plutonium-238	.18		UJ	pCi/g	.22		UJ	pCi/g	3.20	+/- .48	J	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.84	+/- .23	J	pCi/g	.22	+/- .095	J	pCi/g
Plutonium-241					10.00		UJ	pCi/g	17.00		UJ	pCi/g
Polonium-210	.31	+/- .21	J	pCi/g	1.12	+/- .41	J	pCi/g	2.48	+/- .56	-	pCi/g
Radium-226	1.80	+/- .29	-	pCi/g	.69	+/- .15	-	pCi/g	1.28	+/- .26	J	pCi/g
Radium-228	.81		UJ	pCi/g	1.00		UJ	pCi/g	31.10	+/- 5	J	pCi/g
Strontium-90	.36		UJ	pCi/g	.34		UJ	pCi/g	.56		UJ	pCi/g
Technetium-99	.29	+/- .16	J	pCi/g	.17		UJ	pCi/g	2.09	+/- .38	J	pCi/g
Thorium-227												
Thorium-228	.36	+/- .099	-	pCi/g	.26	+/- .18	J	pCi/g	13.90	+/- 3.1	J	pCi/g
Thorium-230	1.88	+/- .38	J	pCi/g	.66	+/- .27	J	pCi/g	13.80	+/- 2.9	J	pCi/g
Thorium-232	.37	+/- .099	-	pCi/g	.18		UJ	pCi/g	10.80	+/- 2.5	J	pCi/g
Uranium, Total	6.83	+/- .19	-	ug/g	9.95	+/- .27	-	ug/g	685.00	+/- 19	J	ug/g
Uranium-233/234												
Uranium-234	.70	+/- .14	J	pCi/g	55.20	+/- 5.2	J	pCi/g	115.00	+/- 21	J	pCi/g
Uranium-235												
Uranium-235/236	.04		UJ	pCi/g	4.90	+/- .56	J	pCi/g	4.78	+/- 1.1	J	pCi/g
Uranium-236												
Uranium-238	.93	+/- .16	J	pCi/g	43.70	+/- 4.1	J	pCi/g	108.00	+/- 20	J	pCi/g

000283

9212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	3				3				3			
Sample:	12A-022R				12A-023R				12A-024R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06		UJ	pCi/g	.56		R	pCi/g	.07		UJ	pCi/g
Cesium-137	.20		UJ	pCi/g	.24		UJ	pCi/g	.24		UJ	pCi/g
Lead-210	.81	+/- .37	-	pCi/g	.57		UJ	pCi/g	.77	+/- .42	J	pCi/g
Neptunium-237	.15		UJ	pCi/g	.09		UJ	pCi/g	.19		UJ	pCi/g
Plutonium-238	.66	+/- .25	J	pCi/g	.10		UJ	pCi/g	.19		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	2.76	+/- .46	J	pCi/g	.98	+/- .13	J	pCi/g	.28	+/- .12	J	pCi/g
Plutonium-241	18.00		UJ	pCi/g	18.00		UJ	pCi/g	9.64		NV	pCi/g
Polonium-210	.98	+/- .33	J	pCi/g	.59	+/- .24	J	pCi/g	.26	+/- .19	J	pCi/g
Radium-226	.48	+/- .13	-	pCi/g	.72	+/- .16	-	pCi/g	.73	+/- .16	-	pCi/g
Radium-228	6.61	+/- 2.3	J	pCi/g	1.30		UJ	pCi/g	.71		UJ	pCi/g
Strontium-90	.36		UJ	pCi/g	.50	+/- .28	J	pCi/g	.33		UJ	pCi/g
Technetium-99	7.66	+/- 2.2	-	pCi/g	1.20	+/- .34	-	pCi/g	.62	+/- .23	-	pCi/g
Thorium-227												
Thorium-228	.65	+/- .15	J	pCi/g	.20	+/- .066	J	pCi/g	.35	+/- .097	-	pCi/g
Thorium-230	.19		UJ	pCi/g	.57	+/- .18	J	pCi/g	1.25	+/- .26	J	pCi/g
Thorium-232	.36	+/- .1	J	pCi/g	.23	+/- .068	J	pCi/g	.17	+/- .059	-	pCi/g
Uranium, Total	115.00	+/- 3.1	-	ug/g	24.00	+/- .65	-	ug/g	111.00	+/- 3	-	ug/g
Uranium-233/234												
Uranium-234	77.80	+/- 7.2	J	pCi/g	6.74	+/- .71	J	pCi/g	1.74	+/- .34	J	pCi/g
Uranium-235												
Uranium-235/236	3.92	+/- .47	J	pCi/g	.38	+/- .097	J	pCi/g	.16	+/- .087	J	pCi/g
Uranium-236												
Uranium-238	73.10	+/- 6.8	J	pCi/g	7.01	+/- .72	J	pCi/g	1.86	+/- .33	J	pCi/g

4220000

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	3				4				4			
Sample:	12A-026R				12A-030R				12A-031R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/g	.09		UJ	pCi/g	.25		R	pCi/g
Cesium-137	.31		UJ	pCi/g	.30		UJ	pCi/g	.32		UJ	pCi/g
Lead-210	.56	+/- .36	J	pCi/g	1.19	+/- .4	J	pCi/g	.40		UJ	pCi/g
Neptunium-237	.10		NV	pCi/g	.22		NV	pCi/g	.19		NV	pCi/g
Plutonium-238	.39	+/- .098	J	pCi/g	.29	+/- .085	J	pCi/g	.10	+/- .056	J	pCi/g
Plutonium-239												
Plutonium-239/240	.06	+/- .033	J	pCi/g	.04	+/- .025	J	pCi/g	.06	+/- .029	J	pCi/g
Plutonium-241					16.30	+/- 22	NV	pCi/g				
Polonium-210	.40	+/- .23	J	pCi/g	.60	+/- .3	J	pCi/g	.52	+/- .25	J	pCi/g
Radium-226	.74	+/- .18	-	pCi/g	.81	+/- .16	-	pCi/g	.75	+/- .17	-	pCi/g
Radium-228	.89		UJ	pCi/g	3.09	+/- .97	-	pCi/g	4.68	+/- 1.1	-	pCi/g
Strontium-90	.59		UJ	pCi/g	.79		UJ	pCi/g	.64		UJ	pCi/g
Technetium-99	.72	+/- .27	J	pCi/g	1.46	+/- .45	J	pCi/g	.13		UJ	pCi/g
Thorium-227												
Thorium-228	.28	+/- .14	J	pCi/g	.56	+/- .14	-	pCi/g	.23		UJ	pCi/g
Thorium-230	5.03	+/- 1.1	J	pCi/g	.92	+/- .23	J	pCi/g	.51	+/- .2	J	pCi/g
Thorium-232	.39	+/- .15	J	pCi/g	.43	+/- .12	-	pCi/g	.13		UJ	pCi/g
Uranium, Total	25.00	+/- .32	J	ug/g	298.00	+/- 3.7	J	ug/g	12.90	+/- .16	J	ug/g
Uranium-233/234												
Uranium-234	16.50	+/- 3.2	J	pCi/g	90.00	+/- 16	J	pCi/g	7.51	+/- 1.6	J	pCi/g
Uranium-235												
Uranium-235/236	.92	+/- .24	J	pCi/g	4.05	+/- .82	J	pCi/g	.21	+/- .11	J	pCi/g
Uranium-236												
Uranium-238	12.30	+/- 2.5	J	pCi/g	87.10	+/- 16	J	pCi/g	4.66	+/- 1.1	J	pCi/g

000225

7173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				MASONRY CHIPS				STEEL COATINGS			
Depth:	1-4"				0-.5"							
Process Area:	4				4				4			
Sample:	12A-032R				12A-033R				12A-035R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.17		UJ	pCi/g	.11		UJ	pCi/g	.20	+/- .074	J	pCi/g
Cesium-137	.29		UJ	pCi/g	.25		UJ	pCi/g	.60		UJ	pCi/g
Lead-210	.48		UJ	pCi/g	1.90	+/- .79	J	pCi/g	.73		UJ	pCi/g
Neptunium-237	.24		NV	pCi/g					.50		UJ	pCi/g
Plutonium-238	.64	+/- .1	J	pCi/g	.05		UJ	pCi/g	.72	+/- .23	J	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.03		UJ	pCi/g	.85	+/- .2	J	pCi/g
Plutonium-241	15.00		NV	pCi/g					38.00		R	pCi/g
Polonium-210	.30	+/- .31	J	pCi/g	.57	+/- .26	J	pCi/g	2.35	+/- .62	-	pCi/g
Radium-226	.58	+/- .13	-	pCi/g	.61	+/- .18	J	pCi/g	9.06	+/- 1.3	J	pCi/g
Radium-228	.87		UJ	pCi/g	.69		UJ	pCi/g	2.76	+/- 1.5	J	pCi/g
Strontium-90	.54		UJ	pCi/g	.57		UJ	pCi/g	.90	+/- .53	J	pCi/g
Technetium-99	.12		UJ	pCi/g	.19	+/- .14	J	pCi/g	28.20	+/- 2.7	J	pCi/g
Thorium-227												
Thorium-228	.37	+/- .14	J	pCi/g	.38	+/- .094	J	pCi/g	18.00	+/- 3.9	J	pCi/g
Thorium-230	.59	+/- .2	J	pCi/g	1.04	+/- .23	J	pCi/g	51.00	+/- 9.9	J	pCi/g
Thorium-232	.16	+/- .088	J	pCi/g	.35	+/- .089	J	pCi/g	15.90	+/- 3.5	J	pCi/g
Uranium, Total	22.20	+/- .27	J	ug/g	25.80	+/- .33	J	ug/g	4610.00	+/- 130	J	ug/g
Uranium-233/234												
Uranium-234	7.75	+/- 1.7	J	pCi/g	7.77	+/- 1.5	J	pCi/g	949.00	+/- 310	J	pCi/g
Uranium-235												
Uranium-235/236	.41	+/- .15	J	pCi/g	.61	+/- .17	J	pCi/g	117.00	+/- 40	J	pCi/g
Uranium-236												
Uranium-238	4.78	+/- 1.2	J	pCi/g	6.47	+/- 1.2	J	pCi/g	1000.00	+/- 330	J	pCi/g

000338

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	5				5				5			
Sample:	12A-040R				12A-041R				12A-042R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/g	.10		UJ	pCi/g	.16		UJ	pCi/g
Cesium-137	.31		UJ	pCi/g	.57		UJ	pCi/g	.28		UJ	pCi/g
Lead-210	.42		UJ	pCi/g	.78	+/- .39	J	pCi/g	1.05	+/- .41	J	pCi/g
Neptunium-237	.11		NV	pCi/g	.10		NV	pCi/g				
Plutonium-238	.39	+/- .094	J	pCi/g	1.92	+/- .2	J	pCi/g	.16	+/- .061	J	pCi/g
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/g	.09	+/- .033	J	pCi/g	.04	+/- .023	J	pCi/g
Plutonium-241	14.00		NV	pCi/g	30.20	+/- 25	NV	pCi/g				
Polonium-210	1.20	+/- .52	J	pCi/g	.47	+/- .25	J	pCi/g	.53	+/- .28	J	pCi/g
Radium-226	.59	+/- .15	-	pCi/g	.77	+/- .17	-	pCi/g	.55	+/- .13	-	pCi/g
Radium-228	.93		UJ	pCi/g	.78		UJ	pCi/g	.82		UJ	pCi/g
Strontium-90	.99		UJ	pCi/g	.59		UJ	pCi/g	.61		UJ	pCi/g
Technetium-99	.57	+/- .23	J	pCi/g	.13		UJ	pCi/g	.12		UJ	pCi/g
Thorium-227												
Thorium-228	.32	+/- .11	-	pCi/g	3.15	+/- .63	J	pCi/g	.25	+/- .12	J	pCi/g
Thorium-230	1.00	+/- .25	J	pCi/g	13.40	+/- 2.5	J	pCi/g	.42	+/- .16	J	pCi/g
Thorium-232	.26	+/- .094	-	pCi/g	2.56	+/- .54	J	pCi/g	.16	+/- .084	J	pCi/g
Uranium, Total	250.00	+/- 3.1	J	ug/g	6.44	+/- .081	J	ug/g	18.30	+/- .23	J	ug/g
Uranium-233/234												
Uranium-234	47.00	+/- 8.7	J	pCi/g	.90	+/- .52	J	pCi/g	7.99	+/- 1.7	J	pCi/g
Uranium-235												
Uranium-235/236	2.52	+/- .53	J	pCi/g	.10		UJ	pCi/g	.39	+/- .15	J	pCi/g
Uranium-236												
Uranium-238	45.00	+/- 8.4	J	pCi/g	.66	+/- .54	J	pCi/g	5.20	+/- 1.2	J	pCi/g

223000

3212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	5				5				6			
Sample:	12A-044R				12A-046R				12A-048R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/g	.18	+/- .054	J	pCi/g	.10		UJ	pCi/g
Cesium-137	.29		UJ	pCi/g	.66		UJ	pCi/g	.34		UJ	pCi/g
Lead-210	.70	+/- .37	J	pCi/g	3.58	+/- .7	J	pCi/g	.53	+/- .36	J	pCi/g
Neptunium-237					.07		UJ	pCi/g	.07		NV	pCi/g
Plutonium-238	1.32	+/- .19	J	pCi/g	.61	+/- .17	J	pCi/g	.16	+/- .064	J	pCi/g
Plutonium-239												
Plutonium-239/240	.09	+/- .041	J	pCi/g	.64	+/- .14	J	pCi/g	.04	+/- .025	J	pCi/g
Plutonium-241	12.00		NV	pCi/g	92.00	+/- 60	R	pCi/g				
Polonium-210	1.32	+/- .58	J	pCi/g	13.80	+/- 2.4	J	pCi/g	.84	+/- .39	J	pCi/g
Radium-226	.63	+/- .19	J	pCi/g	8.65	+/- 1.3	J	pCi/g	1.11	+/- .21	-	pCi/g
Radium-228	1.77	+/- 1	J	pCi/g	9.50	+/- 3.2	J	pCi/g	55.00	+/- 11	-	pCi/g
Strontium-90	.65		UJ	pCi/g	.94		UJ	pCi/g	.32		UJ	pCi/g
Technetium-99	.13		UJ	pCi/g	15.80	+/- 1.6	J	pCi/g	2.69	+/- .77	J	pCi/g
Thorium-227												
Thorium-228	.40	+/- .13	-	pCi/g	15.80	+/- 3.3	J	pCi/g	.64	+/- .19	J	pCi/g
Thorium-230	.78	+/- .22	J	pCi/g	45.50	+/- 8.4	J	pCi/g	1.24	+/- .32	J	pCi/g
Thorium-232	.26	+/- .098	-	pCi/g	14.90	+/- 3.1	J	pCi/g	.43	+/- .15	J	pCi/g
Uranium, Total	14.20	+/- .18	J	ug/g	5510.00	+/- 150	J	ug/g	197.00	+/- 2.4	J	ug/g
Uranium-233/234												
Uranium-234	8.53	+/- 1.6	J	pCi/g	795.00	+/- 180	J	pCi/g	83.60	+/- 15	J	pCi/g
Uranium-235												
Uranium-235/236	.42	+/- .13	J	pCi/g	37.10	+/- 9.8	J	pCi/g	4.90	+/- .98	J	pCi/g
Uranium-236												
Uranium-238	7.19	+/- 1.4	J	pCi/g	772.00	+/- 170	J	pCi/g	81.10	+/- 15	J	pCi/g

000328

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	6				6				6			
Sample:	12A-049R				12A-050R				12A-052R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.12		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.30		UJ	pCi/g	.23		UJ	pCi/g	.30		UJ	pCi/g
Lead-210	.66	+/- .37	J	pCi/g	.61	+/- .37	J	pCi/g	.59	+/- .45	J	pCi/g
Neptunium-237	.09		NV	pCi/g	.12		NV	pCi/g	.11		NV	pCi/g
Plutonium-238	.51	+/- .1	J	pCi/g	.09	+/- .052	J	pCi/g	.06		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.07	+/- .035	J	pCi/g	.04		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241	14.00		NV	pCi/g								
Polonium-210	.65	+/- .34	J	pCi/g	.67	+/- .32	J	pCi/g	.61	+/- .26	J	pCi/g
Radium-226	.49	+/- .13	-	pCi/g	.59	+/- .13	-	pCi/g	.56	+/- .15	J	pCi/g
Radium-228	.83		UJ	pCi/g	.77		UJ	pCi/g	.79		UJ	pCi/g
Strontium-90	.54		UJ	pCi/g	.64		UJ	pCi/g	.55		UJ	pCi/g
Technetium-99	.13	+/- .13	J	pCi/g	.14		UJ	pCi/g	.13		UJ	pCi/g
Thorium-227												
Thorium-228	.45	+/- .16	J	pCi/g	.20	+/- .13	J	pCi/g	.07		UJ	pCi/g
Thorium-230	.81	+/- .24	J	pCi/g	.47	+/- .19	J	pCi/g	5.66	+/- 1.1	J	pCi/g
Thorium-232	.32	+/- .13	J	pCi/g	.27	+/- .12	J	pCi/g	.03		UJ	pCi/g
Uranium, Total	41.00	+/- .51	J	ug/g	13.80	+/- .17	J	ug/g	45.60	+/- .56	J	ug/g
Uranium-233/234												
Uranium-234	15.50	+/- 3.1	J	pCi/g	10.50	+/- 2.2	J	pCi/g	67.20	+/- 14	J	pCi/g
Uranium-235												
Uranium-235/236	.97	+/- .27	J	pCi/g	.34	+/- .14	J	pCi/g	4.11	+/- 1.3	J	pCi/g
Uranium-236												
Uranium-238	13.30	+/- 2.7	J	pCi/g	7.68	+/- 1.7	J	pCi/g	49.90	+/- 11	J	pCi/g

000229

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	STEEL COATINGS			
Depth:				
Process Area:	6			
Sample:	12A-054R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.19	+/- .06	J	pCi/g
Cesium-137	.55		UJ	pCi/g
Lead-210	3.40	+/- .65	J	pCi/g
Neptunium-237	.06		UJ	pCi/g
Plutonium-238	.23	+/- .16	J	pCi/g
Plutonium-239				
Plutonium-239/240	.82	+/- .22	J	pCi/g
Plutonium-241	8.80		UJ	pCi/g
Polonium-210	3.61	+/- .78	-	pCi/g
Radium-226	4.81	+/- .73	J	pCi/g
Radium-228	5.66	+/- 1.7	J	pCi/g
Strontium-90	1.02	+/- .7	J	pCi/g
Technetium-99	42.60	+/- 4	J	pCi/g
Thorium-227				
Thorium-228	5.40	+/- 1.8	J	pCi/g
Thorium-230	34.30	+/- 6.6	J	pCi/g
Thorium-232	4.86	+/- 1.5	J	pCi/g
Uranium, Total	2570.00	+/- 71	J	ug/g
Uranium-233/234				
Uranium-234	508.00	+/- 90	J	pCi/g
Uranium-235				
Uranium-235/236	27.60	+/- 5.2	J	pCi/g
Uranium-236				
Uranium-238	486.00	+/- 86	J	pCi/g

000230

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 12C - Lumber Storage Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	12C-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.06	+/- .0297	J	pCi/g
Lead-210	9.50		UJ	pCi/g
Neptunium-237	.13		UJ	pCi/g
Plutonium-238	.04		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.07	+/- .0486	J	pCi/g
Plutonium-241	1.23		UJ	pCi/g
Polonium-210	.39	+/- .132	-	pCi/g
Radium-226	.47	+/- .0708	-	pCi/g
Radium-228	.26	+/- .0854	-	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g
Thorium-227				
Thorium-228	1.73	+/- 1.46	J	pCi/g
Thorium-230	2.71		UJ	pCi/g
Thorium-232	1.81	+/- 1.09	J	pCi/g
Uranium, Total	486.00	+/- 30.7	-	ug/g
Uranium-233/234				
Uranium-234	135.00	+/- 14.8	-	pCi/g
Uranium-235				
Uranium-235/236	29.90	+/- 4.95	-	pCi/g
Uranium-236				
Uranium-238	151.00	+/- 15.8	-	pCi/g

000231

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	13A-003R				13A-004R				13A-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.27	+/- .082	-	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Cesium-137	.28		UJ	pCi/g	.86		UJ	pCi/g	.88		UJ	pCi/g
Lead-210	1.64	+/- .41	-	pCi/g	.57	+/- .37	J	pCi/g	1.18	+/- .38	-	pCi/g
Neptunium-237	.75	+/- .15	J	pCi/g	.14	+/- .079	J	pCi/g	.04		UJ	pCi/g
Plutonium-238	5.99	+/- .82	J	pCi/g	.43		UJ	pCi/g	.54		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	1.16	+/- .38	J	pCi/g	.36		UJ	pCi/g	.48		UJ	pCi/g
Plutonium-241	5.23	+/- 2.6	-	pCi/g	1.82	+/- 2.3	J	pCi/g	1.30		UJ	pCi/g
Polonium-210	1.80	+/- .53	J	pCi/g	.78	+/- .37	J	pCi/g	.56	+/- .4	J	pCi/g
Radium-226	5.01	+/- .81	-	pCi/g	.64	+/- .22	-	pCi/g	1.54	+/- .34	-	pCi/g
Radium-228	196.00	+/- 86	-	pCi/g	12.20	+/- 2.2	J	pCi/g	9.89	+/- 1.7	J	pCi/g
Strontium-90	.95	+/- .31	-	pCi/g	.56		UJ	pCi/g	.50		UJ	pCi/g
Technetium-99	588.00	+/- 150	-	pCi/g	50.60	+/- 17	-	pCi/g	4.13	+/- 1.7	-	pCi/g
Thorium-227												
Thorium-228	662.00	+/- 120	J	pCi/g	16.80	+/- 3.2	J	pCi/g	17.30	+/- 3.3	J	pCi/g
Thorium-230	5.59	+/- 1.4	J	pCi/g	.87	+/- .28	J	pCi/g	.98	+/- .3	J	pCi/g
Thorium-232	12.60	+/- 2.8	J	pCi/g	1.00	+/- .32	J	pCi/g	.42	+/- .21	J	pCi/g
Uranium, Total	703.00	+/- 21	-	ug/g	123.00	+/- 3.7	-	ug/g	58.60	+/- 1.8	-	ug/g
Uranium-233/234												
Uranium-234	304.00	+/- 47	-	pCi/g	47.60	+/- 4.9	-	pCi/g	25.40	+/- 3	-	pCi/g
Uranium-235												
Uranium-235/236	7.90	+/- 3	-	pCi/g	1.71	+/- .57	-	pCi/g	1.05	+/- .47	-	pCi/g
Uranium-236												
Uranium-238	246.00	+/- 39	-	pCi/g	38.00	+/- 4	-	pCi/g	18.80	+/- 2.4	-	pCi/g

000232

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	13A-007R				13A-008R				13A-009R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	6.99	+/- .88	-	pCi/g	6.84	+/- .83	-	pCi/g	.22	+/- .08	-	pCi/g
Cesium-137	1.14	+/- .22	-	pCi/g	.29		UJ	pCi/g	.33	+/- .22	J	pCi/g
Lead-210	5.26	+/- .68	-	pCi/g	1.78	+/- .42	-	pCi/g	.43		UJ	pCi/g
Neptunium-237	.30	+/- .1	J	pCi/g	.99	+/- .18	J	pCi/g	.28		UJ	pCi/g
Plutonium-238	81.70	+/- 6.7	J	pCi/g	246.00	+/- 14	J	pCi/g	9.76	+/- 1.2	J	pCi/g
Plutonium-239												
Plutonium-239/240	4.28	+/- .64	J	pCi/g	13.80	+/- .95	J	pCi/g	.46	+/- .35	J	pCi/g
Plutonium-241	94.60	+/- 13	J	pCi/g	104.00	+/- 12	-	pCi/g	41.40	+/- 7.8	J	pCi/g
Polonium-210	1.81	+/- .52	J	pCi/g	1.58	+/- .44	J	pCi/g	.40	+/- .33	J	pCi/g
Radium-226	7.31	+/- 1.1	-	pCi/g	9.08	+/- 1.4	-	pCi/g	.39	+/- .2	J	pCi/g
Radium-228	1030.00	+/- 160	-	pCi/g	1000.00	+/- 190	-	pCi/g	26.50	+/- 8.2	J	pCi/g
Strontium-90	.73	+/- .45	J	pCi/g	.35	+/- .25	J	pCi/g	.53		UJ	pCi/g
Technetium-99	215.00	+/- 72	J	pCi/g	43.10	+/- 11	-	pCi/g	.91		UJ	pCi/g
Thorium-227												
Thorium-228	990.00	+/- 190	-	pCi/g	1140.00	+/- 210	J	pCi/g	29.80	+/- 5.6	J	pCi/g
Thorium-230	649.00	+/- 120	-	pCi/g	871.00	+/- 160	J	pCi/g	14.90	+/- 2.9	J	pCi/g
Thorium-232	976.00	+/- 180	-	pCi/g	1270.00	+/- 240	J	pCi/g	21.80	+/- 4.1	J	pCi/g
Uranium, Total	1390.00	+/- 42	-	ug/g	2740.00	+/- 82	-	ug/g	91.50	+/- 2.8	-	ug/g
Uranium-233/234												
Uranium-234	694.00	+/- 100	-	pCi/g	1260.00	+/- 190	-	pCi/g	38.80	+/- 5.3	-	pCi/g
Uranium-235												
Uranium-235/236	24.70	+/- 5.9	-	pCi/g	64.20	+/- 14	-	pCi/g	2.30	+/- 1.1	-	pCi/g
Uranium-236												
Uranium-238	477.00	+/- 72	-	pCi/g	891.00	+/- 130	-	pCi/g	31.30	+/- 4.6	-	pCi/g

000233

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	ACID BRICK				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	13A-011R				13A-012R				13A-013R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	32.60	+/- 3.6	J	pCi/g	.28	+/- .094	-	pCi/g	3.50	+/- .92	J	pCi/g
Cesium-137	20.90	+/- .89	J	pCi/g	.32	+/- .16	J	pCi/g	.63		UJ	pCi/g
Lead-210	6.70	+/- .58	J	pCi/g	5.61	+/- .53	J	pCi/g	35.00	+/- 8.3	-	pCi/g
Neptunium-237	1.72	+/- .28	J	pCi/g	1.10	+/- .2	J	pCi/g	6.50	+/- 1	J	pCi/g
Plutonium-238	1300.00	+/- 70	-	pCi/g	1.25	+/- .17	-	pCi/g	60.00	+/- 8.8	-	pCi/g
Plutonium-239												
Plutonium-239/240	74.50	+/- 4.1	-	pCi/g	3.54	+/- .29	-	pCi/g	14.00	+/- 2.1	-	pCi/g
Plutonium-241	923.00	+/- 95	J	pCi/g	15.40	+/- 3.6	J	pCi/g	.63		UJ	pCi/g
Polonium-210	3.52	+/- .62	J	pCi/g	6.10	+/- .97	J	pCi/g	91.00	+/- 16	-	pCi/g
Radium-226	32.00	+/- 4.5	-	pCi/g	5.83	+/- .84	-	pCi/g	160.00	+/- 41	-	pCi/g
Radium-228	1710.00	+/- 240	J	pCi/g	15.80	+/- 2.4	-	pCi/g	450.00	+/- 110	-	pCi/g
Strontium-90	.80	+/- .31	-	pCi/g	.46		UJ	pCi/g	7.10	+/- 2	-	pCi/g
Technetium-99	14.70	+/- 3	-	pCi/g	23.20	+/- 5.8	J	pCi/g	83.00	+/- 9.7	-	pCi/g
Thorium-227	3.35		NV	pCi/g	.55		NV	pCi/g				
Thorium-228	212.00	+/- 48	R	pCi/g	21.10	+/- 1.7	J	pCi/g	270.00	+/- 40	J	pCi/g
Thorium-230	153.00	+/- 35	R	pCi/g	104.00	+/- 8.2	J	pCi/g	200.00	+/- 30	J	pCi/g
Thorium-232	262.00	+/- 59	R	pCi/g	19.60	+/- 1.6	J	pCi/g	220.00	+/- 33	J	pCi/g
Uranium, Total	8560.00	+/- 210	-	ug/g	7720.00	+/- 190	-	ug/g	230.00	+/- 50	-	ug/g
Uranium-233/234												
Uranium-234	2790.00	+/- 330	J	pCi/g	1840.00	+/- 190	J	pCi/g	1800.00	+/- 270	J	pCi/g
Uranium-235												
Uranium-235/236	129.00	+/- 45	-	pCi/g	142.00	+/- 21	J	pCi/g	190.00	+/- 29	J	pCi/g
Uranium-236												
Uranium-238	1740.00	+/- 230	J	pCi/g	1390.00	+/- 140	J	pCi/g	1400.00	+/- 200	J	pCi/g

000234

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	2				2				2			
Sample:	13A-022R				13A-023R				13A-024R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.03		UJ	pCi/g	.49	+/- .12	-	pCi/g	.09		UJ	pCi/g
Cesium-137	.94		UJ	pCi/g	.93		UJ	pCi/g	.98		UJ	pCi/g
Lead-210	13.00	+/- .98	-	pCi/g	1.49	+/- .43	-	pCi/g	5.08	+/- .57	-	pCi/g
Neptunium-237	.20	+/- .1	J	pCi/g	.07		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-238	100.00	+/- 7.8	J	pCi/g	15.90	+/- 1.5	J	pCi/g	.38		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	3.67	+/- .55	J	pCi/g	.50	+/- .3	J	pCi/g	.30		UJ	pCi/g
Plutonium-241	65.40	+/- 9	-	pCi/g	15.40	+/- 3.7	-	pCi/g	2.40		UJ	pCi/g
Polonium-210	2.42	+/- .51	J	pCi/g	2.06	+/- .81	J	pCi/g	2.27	+/- .66	J	pCi/g
Radium-226	.18		UJ	pCi/g	2.96	+/- .53	-	pCi/g	.56	+/- .21	-	pCi/g
Radium-228	312.00	+/- 53	-	pCi/g	85.50	+/- 23	-	pCi/g	23.20	+/- 10	-	pCi/g
Strontium-90	.51		UJ	pCi/g	.50		UJ	pCi/g	.54		UJ	pCi/g
Technetium-99	7.88	+/- 3	J	pCi/g	1.21	+/- .88	J	pCi/g	1.74	+/- 1.1	J	pCi/g
Thorium-227												
Thorium-228	254.00	+/- 47	J	pCi/g	67.30	+/- 13	J	pCi/g	4.86	+/- 1.1	J	pCi/g
Thorium-230	101.00	+/- 19	J	pCi/g	22.40	+/- 4.3	J	pCi/g	2.07	+/- .52	J	pCi/g
Thorium-232	259.00	+/- 48	J	pCi/g	67.90	+/- 13	J	pCi/g	1.08	+/- .34	J	pCi/g
Uranium, Total	726.00	+/- 22	-	ug/g	182.00	+/- 5.5	-	ug/g	108.00	+/- 3.2	-	ug/g
Uranium-233/234												
Uranium-234	412.00	+/- 33	J	pCi/g	93.50	+/- 9.2	J	pCi/g	47.50	+/- 5.8	J	pCi/g
Uranium-235												
Uranium-235/236	22.00	+/- 3	J	pCi/g	5.51	+/- 1.4	J	pCi/g	1.67	+/- .92	J	pCi/g
Uranium-236												
Uranium-238	236.00	+/- 20	J	pCi/g	62.20	+/- 6.7	J	pCi/g	35.00	+/- 4.8	J	pCi/g

332000

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	2				2				2			
Sample:	13A-026R				13A-027R				13A-028R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.01	+/- .18	-	pCi/g	.54	+/- .13	-	pCi/g	.05	+/- .03	J	pCi/g
Cesium-137	.59	+/- .24	J	pCi/g	.38	+/- .22	J	pCi/g	.84		UJ	pCi/g
Lead-210	2.01	+/- .43	-	pCi/g	4.37	+/- .56	-	pCi/g	.50		UJ	pCi/g
Neptunium-237	.30	+/- .1	J	pCi/g	.06		UJ	pCi/g	.06	+/- .071	J	pCi/g
Plutonium-238	5.98	+/- .89	J	pCi/g	14.90	+/- 1.5	J	pCi/g	.43		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.39	+/- .33	J	pCi/g	.86	+/- .36	J	pCi/g	.34		UJ	pCi/g
Plutonium-241	4.02	+/- 2.6	J	pCi/g	9.23	+/- 2.9	-	pCi/g	1.40		UJ	pCi/g
Polonium-210	1.21	+/- .44	J	pCi/g	3.64	+/- .8	J	pCi/g	.23	+/- .18	J	pCi/g
Radium-226	4.13	+/- .67	-	pCi/g	7.94	+/- 1.2	-	pCi/g	.74	+/- .23	-	pCi/g
Radium-228	75.90	+/- 14	J	pCi/g	196.00	+/- 53	-	pCi/g	20.50	+/- 3.2	J	pCi/g
Strontium-90	.74		UJ	pCi/g	.57		UJ	pCi/g	.52		UJ	pCi/g
Technetium-99	9.82	+/- 2.9	-	pCi/g	10.20	+/- 3.9	J	pCi/g	1.34	+/- .86	J	pCi/g
Thorium-227												
Thorium-228	300.00	+/- 55	J	pCi/g	639.00	+/- 120	-	pCi/g	24.50	+/- 4.7	J	pCi/g
Thorium-230	16.40	+/- 3.1	J	pCi/g	78.70	+/- 17	-	pCi/g	3.21	+/- .75	J	pCi/g
Thorium-232	46.20	+/- 8.6	J	pCi/g	220.00	+/- 43	-	pCi/g	7.37	+/- 1.5	J	pCi/g
Uranium, Total	176.00	+/- 5.3	-	ug/g	345.00	+/- 10	-	ug/g	25.80	+/- .77	-	ug/g
Uranium-233/234												
Uranium-234	71.50	+/- 9.7	-	pCi/g	156.00	+/- 26	-	pCi/g	11.00	+/- 1.7	-	pCi/g
Uranium-235												
Uranium-235/236	2.27	+/- 1.7	J	pCi/g	3.79	+/- 2.2	J	pCi/g	.30		UJ	pCi/g
Uranium-236												
Uranium-238	52.20	+/- 8	-	pCi/g	114.00	+/- 20	-	pCi/g	8.82	+/- 1.5	-	pCi/g

000236

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	2				2				2			
Sample:	13A-030R				13A-031R				13A-032R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	6.74	+/- 1.1	J	pCi/g	1.47	+/- .25	-	pCi/g	.15	+/- .06	-	pCi/g
Cesium-137	1.73	+/- .24	-	pCi/g	.63	+/- .23	J	pCi/g	.28		UJ	pCi/g
Lead-210	1.37	+/- .41	-	pCi/g	.70		UJ	pCi/g	.86	+/- .49	J	pCi/g
Neptunium-237	10.80	+/- .89	J	pCi/g	3.83	+/- .41	J	pCi/g	.10	+/- .088	J	pCi/g
Plutonium-238	104.00	+/- 6	J	pCi/g	13.80	+/- 1.6	J	pCi/g	.99	+/- .46	J	pCi/g
Plutonium-239												
Plutonium-239/240	33.90	+/- 2.1	J	pCi/g	4.75	+/- .77	J	pCi/g	.33	+/- .33	J	pCi/g
Plutonium-241	129.00	+/- 14	-	pCi/g	23.70	+/- 4.5	J	pCi/g	12.20	+/- 4.9	J	pCi/g
Polonium-210	.94	+/- .36	J	pCi/g	.17		UJ	pCi/g	.49	+/- .28	J	pCi/g
Radium-226	3.58	+/- .61	-	pCi/g	.40	+/- .18	-	pCi/g	3.11	+/- .55	-	pCi/g
Radium-228	2040.00	+/- 850	-	pCi/g	809.00	+/- 110	J	pCi/g	86.20	+/- 76	J	pCi/g
Strontium-90	.92	+/- .29	-	pCi/g	.54		UJ	pCi/g	.50		UJ	pCi/g
Technetium-99	73.90	+/- 19	-	pCi/g	13.20	+/- 3.8	-	pCi/g	4.64	+/- 2.1	J	pCi/g
Thorium-227												
Thorium-228	604.00	+/- 110	J	pCi/g	211.00	+/- 39	J	pCi/g	43.90	+/- 13	-	pCi/g
Thorium-230	104.00	+/- 20	J	pCi/g	46.80	+/- 8.9	J	pCi/g	9.05	+/- 4	-	pCi/g
Thorium-232	654.00	+/- 120	J	pCi/g	223.00	+/- 42	J	pCi/g	43.20	+/- 11	-	pCi/g
Uranium, Total	470.00	+/- 14	-	ug/g	4900.00	+/- 150	-	ug/g	383.00	+/- 11	-	ug/g
Uranium-233/234												
Uranium-234	11300.00	+/- 1700	-	pCi/g	2250.00	+/- 150	-	pCi/g	177.00	+/- 29	-	pCi/g
Uranium-235												
Uranium-235/236	611.00	+/- 120	-	pCi/g	116.00	+/- 12	-	pCi/g	6.66	+/- 2.8	-	pCi/g
Uranium-236												
Uranium-238	7600.00	+/- 1100	-	pCi/g	1570.00	+/- 110	-	pCi/g	124.00	+/- 21	-	pCi/g

000237

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	ACID BRICK				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	2				2				2			
Sample:	13A-033R				13A-035R				13A-037R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	1.93	+/- .31	J	pCi/g	.07		UJ	pCi/g	32.60	+/- 3.5	J	pCi/g
Cesium-137	1.47	+/- .17	J	pCi/g	.41	+/- .16	J	pCi/g	.57		UJ	pCi/g
Lead-210	87.30	+/- 5.4	J	pCi/g	2.56	+/- .4	J	pCi/g	1040.00	+/- 63	J	pCi/g
Neptunium-237	.44	+/- .12	J	pCi/g	.09		UJ	pCi/g	2.47	+/- .45	J	pCi/g
Plutonium-238	41.50	+/- 2.3	-	pCi/g	1.31	+/- .19	-	pCi/g	99.00	+/- 9.8	J	pCi/g
Plutonium-239												
Plutonium-239/240	2.22	+/- .2	-	pCi/g	.05		UJ	pCi/g	20.60	+/- 2.1	-	pCi/g
Plutonium-241	35.40	+/- 5.4	J	pCi/g	1.10		UJ	pCi/g	239.00	+/- 49	J	pCi/g
Polonium-210	31.80	+/- 4.5	J	pCi/g	2.00	+/- .38	J	pCi/g	623.00	+/- 94	J	pCi/g
Radium-226	86.60	+/- 12	-	pCi/g	.84	+/- .17	-	pCi/g	6110.00	+/- 850	J	pCi/g
Radium-228	583.00	+/- 80	J	pCi/g	47.40	+/- 6.7	-	pCi/g	1470.00	+/- 200	J	pCi/g
Strontium-90	1.09	+/- .32	-	pCi/g	.65		UJ	pCi/g	2.12	+/- .67	J	pCi/g
Technetium-99	296.00	+/- 60	-	pCi/g	4.32	+/- 1.1	J	pCi/g	28.80	+/- 2.8	J	pCi/g
Thorium-227	9.28		NV	pCi/g								
Thorium-228	31.10	+/- 2.3	J	pCi/g	8.97	+/- .73	J	pCi/g	15.90	+/- 3.2	J	pCi/g
Thorium-230	9.22	+/- .71	J	pCi/g	5.81	+/- .47	J	pCi/g	11.20	+/- 2.2	J	pCi/g
Thorium-232	13.40	+/- 1	J	pCi/g	6.05	+/- .49	J	pCi/g	14.70	+/- 3	J	pCi/g
Uranium, Total	5390.00	+/- 130	-	ug/g	1070.00	+/- 26	-	ug/g	34900.00	+/- 960	J	ug/g
Uranium-233/234												
Uranium-234	1460.00	+/- 200	J	pCi/g	475.00	+/- 47	J	pCi/g	12800.00	+/- 2700	J	pCi/g
Uranium-235												
Uranium-235/236	65.10	+/- 30	-	pCi/g	21.40	+/- 5.3	J	pCi/g	354.00	+/- 98	J	pCi/g
Uranium-236												
Uranium-238	1190.00	+/- 170	J	pCi/g	356.00	+/- 37	J	pCi/g	6910.00	+/- 1400	J	pCi/g

000238

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	STEEL COATINGS				ACID BRICK				CONCRETE CHIPS			
Depth:					0-.5"				0-.5"			
Process Area:	2				2				2			
Sample:	13A-038R DUP				13A-042R(TCLP)				13A-044R(TCLP)			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	20.20	+/- 3.2	J	pCi/g	156.00	+/- 30	J	pCi/L	5.90	+/- 3.8	UJ	pCi/L
Cesium-137	.67		UJ	pCi/g	7.30		UJ	pCi/L	7.20		UJ	pCi/L
Lead-210	892.00	+/- 54	J	pCi/g	501.00	+/- 191	-	pCi/L	4.60	+/- 2.7	J	pCi/L
Neptunium-237	.62	+/- .19	J	pCi/g	17.20	+/- 9.3	J	pCi/L	2.90	+/- 4.9	UJ	pCi/L
Plutonium-238	98.80	+/- 10	J	pCi/g	884.00	+/- 225	J	pCi/L	4.10	+/- 3.7	UJ	pCi/L
Plutonium-239												
Plutonium-239/240	20.90	+/- 2.3	J	pCi/g	534.00	+/- 148	J	pCi/L	2.80	+/- 2.2	UJ	pCi/L
Plutonium-241	260.00	+/- 55	J	pCi/g			NV	pCi/L			NV	pCi/L
Polonium-210	797.00	+/- 130	-	pCi/g	24.50	+/- 4.2	J	pCi/L	1.50	+/- 1.1	UJ	pCi/L
Radium-226	6710.00	+/- 930	J	pCi/g	440.00	+/- 56.2	-	pCi/L	23.90	+/- 3.2	-	pCi/L
Radium-228	2280.00	+/- 320	J	pCi/g	556.00	+/- 85.4	-	pCi/L	197.00	+/- 30.5	-	pCi/L
Strontium-90	4.30	+/- 1.5	R	pCi/g	1.50	+/- 1.8	J	pCi/L	3.10	+/- 1.8	J	pCi/L
Technetium-99	25.90	+/- 2.6	J	pCi/g	42.00	+/- 17.5	-	pCi/L	222.00	+/- 52.9	-	pCi/L
Thorium-227												
Thorium-228	61.00	+/- 5	J	pCi/g	1080.00	+/- 255	J	pCi/L	4.30	+/- 3.7	UJ	pCi/L
Thorium-230	63.80	+/- 5.3	J	pCi/g	588.00	+/- 151	J	pCi/L	7.50	+/- 4.9	J	pCi/L
Thorium-232	19.80	+/- 2	J	pCi/g	1030.00	+/- 242	J	pCi/L	4.00	+/- 3.1	UJ	pCi/L
Uranium, Total	35100.00	+/- 970	J	ug/g	111000.00	+/- 11400	-	ug/L	4040.00	+/- 413	-	ug/L
Uranium-233/234												
Uranium-234	9940.00	+/- 2200	J	pCi/g	8520.00	+/- 2080	J	pCi/L	2450.00	+/- 451	J	pCi/L
Uranium-235												
Uranium-235/236	260.00	+/- 84	J	pCi/g	1020.00	+/- 566	J	pCi/L	598.00	+/- 134	J	pCi/L
Uranium-236												
Uranium-238	5070.00	+/- 1100	J	pCi/g	46500.00	+/- 8630	J	pCi/L	1660.00	+/- 317	J	pCi/L

000239

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	3				3				3			
Sample:	13A-046R				13A-047R DUP				13A-048R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	2.85	+/- .41	-	pCi/g	2.43	+/- .41	-	pCi/g	3.20	+/- .43	-	pCi/g
Cesium-137	.29		UJ	pCi/g	.38	+/- .22	J	pCi/g	.95		UJ	pCi/g
Lead-210	4.58	+/- .52	J	pCi/g	2.05	+/- .39	J	pCi/g	1.28	+/- .38	-	pCi/g
Neptunium-237	.10	+/- .088	J	pCi/g	.12		UJ	pCi/g	.08		UJ	pCi/g
Plutonium-238	49.40	+/- 4.7	J	pCi/g	37.20	+/- 3.6	J	pCi/g	8.14	+/- .75	J	pCi/g
Plutonium-239												
Plutonium-239/240	3.74	+/- .7	J	pCi/g	2.66	+/- .57	J	pCi/g	.51	+/- .14	J	pCi/g
Plutonium-241	40.00	+/- 6.2	-	pCi/g	37.80	+/- 5.4	-	pCi/g	11.00	+/- 3.6	-	pCi/g
Polonium-210	1.53	+/- .48	J	pCi/g	2.00	+/- .65	J	pCi/g	1.07	+/- .42	J	pCi/g
Radium-226	6.17	+/- .96	J	pCi/g	3.04	+/- .53	J	pCi/g	1.93	+/- .39	-	pCi/g
Radium-228	165.00	+/- 26	J	pCi/g	171.00	+/- 33	-	pCi/g	54.40	+/- 30	J	pCi/g
Strontium-90	.56		UJ	pCi/g	.53		UJ	pCi/g	.53		UJ	pCi/g
Technetium-99	11.90	+/- 3.4	-	pCi/g	7.53	+/- 3	J	pCi/g	.73	+/- .77	J	pCi/g
Thorium-227												
Thorium-228	214.00	+/- 41	J	pCi/g	196.00	+/- 37	J	pCi/g	69.10	+/- 13	J	pCi/g
Thorium-230	45.40	+/- 8.8	J	pCi/g	37.90	+/- 7.3	J	pCi/g	13.70	+/- 2.7	J	pCi/g
Thorium-232	234.00	+/- 44	J	pCi/g	204.00	+/- 38	J	pCi/g	74.60	+/- 14	J	pCi/g
Uranium, Total	3770.00	+/- 110	J	ug/g	2400.00	+/- 72	J	ug/g	1030.00	+/- 31	-	ug/g
Uranium-233/234												
Uranium-234	1750.00	+/- 130	J	pCi/g	1120.00	+/- 170	J	pCi/g	435.00	+/- 35	J	pCi/g
Uranium-235												
Uranium-235/236	75.80	+/- 10	J	pCi/g	44.70	+/- 9	J	pCi/g	19.50	+/- 3.2	J	pCi/g
Uranium-236												
Uranium-238	1260.00	+/- 92	J	pCi/g	803.00	+/- 120	J	pCi/g	322.00	+/- 27	J	pCi/g

000240

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-4"				0-.5"				.5-1"			
Process Area:	3				3				3			
Sample:	13A-049R				13A-052R				13A-053R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06	+/- .04	J	pCi/g	.51	+/- .11	-	pCi/g	.14	+/- .061	J	pCi/g
Cesium-137	.84		UJ	pCi/g	.29		UJ	pCi/g	.26	+/- .14	J	pCi/g
Lead-210	.79	+/- .4	J	pCi/g	.95	+/- .35	J	pCi/g	.66	+/- .24	-	pCi/g
Neptunium-237	.07		UJ	pCi/g	.06		UJ	pCi/g	.08		UJ	pCi/g
Plutonium-238	.79		UJ	pCi/g	6.50	+/- .57	-	pCi/g	1.74	+/- .43	-	pCi/g
Plutonium-239												
Plutonium-239/240	.71		UJ	pCi/g	.28	+/- .093	-	pCi/g	.07		UJ	pCi/g
Plutonium-241	3.73	+/- 2.8	J	pCi/g	4.05	+/- 2.5	J	pCi/g	4.39	+/- 2.7	J	pCi/g
Polonium-210	1.08	+/- .4	J	pCi/g	.74	+/- .2	J	pCi/g	.39	+/- .12	-	pCi/g
Radium-226	1.72	+/- .37	-	pCi/g	.75	+/- .16	J	pCi/g	.87	+/- .17	-	pCi/g
Radium-228	1.71	+/- .67	J	pCi/g	20.30	+/- 3.1	J	pCi/g	8.41	+/- 1.4	-	pCi/g
Strontium-90	.50		UJ	pCi/g	.37		UJ	pCi/g	.40		UJ	pCi/g
Technetium-99	.80	+/- .75	J	pCi/g	.49	+/- .15	J	pCi/g	.10	+/- .066	J	pCi/g
Thorium-227					.58		NV	pCi/g	.48		NV	pCi/g
Thorium-228	2.32	+/- .62	J	pCi/g	30.10	+/- 4.2	R	pCi/g	16.00	+/- 1.9	R	pCi/g
Thorium-230	1.05	+/- .32	J	pCi/g	6.71	+/- 1	R	pCi/g	3.75	+/- .51	R	pCi/g
Thorium-232	1.81	+/- .48	J	pCi/g	27.80	+/- 3.8	R	pCi/g	14.60	+/- 1.7	R	pCi/g
Uranium, Total	163.00	+/- 4.9	-	ug/g	300.00	+/- 7.2	-	ug/g	40.50	+/- .97	-	ug/g
Uranium-233/234												
Uranium-234	67.10	+/- 6.5	-	pCi/g	91.70	+/- 8.9	J	pCi/g	12.80	+/- 1.2	-	pCi/g
Uranium-235												
Uranium-235/236	2.77	+/- .73	-	pCi/g	4.96	+/- .91	J	pCi/g	.52	+/- .086	J	pCi/g
Uranium-236												
Uranium-238	52.10	+/- 5.2	-	pCi/g	51.20	+/- 5.2	-	pCi/g	8.48	+/- .79	-	pCi/g

0002541

2 1 2 3 9

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-4"				0-.5"				.5-1"			
Process Area:	3				3				3			
Sample:	13A-054R				13A-056R				13A-057R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	.11	+/- .049	-	pCi/g	.07		UJ	pCi/g
Cesium-137	.18		UJ	pCi/g	1.10	+/- .18	J	pCi/g	.19	+/- .14	J	pCi/g
Lead-210	.39	+/- .24	J	pCi/g	1.24	+/- .32	J	pCi/g	.46	+/- .26	J	pCi/g
Neptunium-237	.07		UJ	pCi/g	.07		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.27	+/- .11	-	pCi/g	3.01	+/- .4	J	pCi/g	.38	+/- .15	J	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.11	+/- .074	J	pCi/g	.08		UJ	pCi/g
Plutonium-241	4.00	+/- 2.2	J	pCi/g	1.72	+/- 1.8	J	pCi/g	3.29	+/- 3.1	J	pCi/g
Polonium-210	.53	+/- .15	-	pCi/g	.67	+/- .17	J	pCi/g	.35	+/- .13	-	pCi/g
Radium-226	.62	+/- .15	-	pCi/g	.36	+/- .12	J	pCi/g	.40	+/- .12	-	pCi/g
Radium-228	2.46	+/- .84	-	pCi/g	15.20	+/- 2.3	-	pCi/g	1.04	+/- .64	J	pCi/g
Strontium-90	.54		UJ	pCi/g	.53	+/- .3	J	pCi/g	.40		UJ	pCi/g
Technetium-99	.06		UJ	pCi/g	.11	+/- .086	J	pCi/g	.06		UJ	pCi/g
Thorium-227	-.03		NV	pCi/g	.25		NV	pCi/g	.02		NV	pCi/g
Thorium-228	5.43	+/- .53	-	pCi/g	22.90	+/- 1.8	-	pCi/g	1.61	+/- .21	-	pCi/g
Thorium-230	2.33	+/- .24	-	pCi/g	4.85	+/- .43	J	pCi/g	.70	+/- .1	-	pCi/g
Thorium-232	3.16	+/- .31	-	pCi/g	7.42	+/- .64	-	pCi/g	.60	+/- .096	-	pCi/g
Uranium, Total	23.50	+/- .56	-	ug/g	1010.00	+/- 24	-	ug/g	86.00	+/- 2.1	-	ug/g
Uranium-233/234												
Uranium-234	3.52	+/- .35	-	pCi/g	212.00	+/- 19	J	pCi/g	21.60	+/- 1.9	-	pCi/g
Uranium-235												
Uranium-235/236	.13	+/- .037	J	pCi/g	8.72	+/- 1.2	J	pCi/g	.92	+/- .12	J	pCi/g
Uranium-236												
Uranium-238	2.55	+/- .26	-	pCi/g	166.00	+/- 15	J	pCi/g	17.10	+/- 1.5	-	pCi/g

000242

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	CONCRETE CORE				ACID BRICK				ACID BRICK DUP			
Depth:	1-4"				0-.5"				0-.5"			
Process Area:	3				3				3			
Sample:	13A-058R				13A-060R				13A-061R DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	3.99	+/- .53	-	pCi/g	5.23	+/- .66	-	pCi/g
Cesium-137	.27	+/- .13	-	pCi/g	2.60	+/- .23	J	pCi/g	1.80	+/- .22	J	pCi/g
Lead-210	.43	+/- .23	J	pCi/g	9.02	+/- .68	J	pCi/g	12.70	+/- .95	J	pCi/g
Neptunium-237	.06		UJ	pCi/g	.45	+/- .14	J	pCi/g	.35	+/- .13	J	pCi/g
Plutonium-238	1.34	+/- .41	R	pCi/g	99.30	+/- 6.5	J	pCi/g	69.70	+/- 4.1	-	pCi/g
Plutonium-239												
Plutonium-239/240	.20		R	pCi/g	4.26	+/- .5	J	pCi/g	3.65	+/- .34	-	pCi/g
Plutonium-241	1.00		UJ	pCi/g	52.40	+/- 7.5	J	pCi/g	70.30	+/- 9.8	J	pCi/g
Polonium-210	.54	+/- .16	-	pCi/g	10.70	+/- 1.5	J	pCi/g	7.47	+/- 1.1	J	pCi/g
Radium-226	.95	+/- .19	-	pCi/g	16.10	+/- 2.3	-	pCi/g	10.70	+/- 1.5	-	pCi/g
Radium-228	2.10	+/- .87	J	pCi/g	225.00	+/- 31	-	pCi/g	313.00	+/- 43	-	pCi/g
Strontium-90	.59		UJ	pCi/g	1.49	+/- .35	-	pCi/g	1.46	+/- .37	-	pCi/g
Technetium-99	.08	+/- .063	J	pCi/g	1.71	+/- .45	J	pCi/g	12.50	+/- 3.2	J	pCi/g
Thorium-227	.07		NV	pCi/g	1.89		NV	pCi/g	4.69		NV	pCi/g
Thorium-228	4.21	+/- .49	J	pCi/g	18.70	+/- 1.2	J	pCi/g	23.40	+/- 1.6	J	pCi/g
Thorium-230	1.50	+/- .19	J	pCi/g	5.98	+/- .4	J	pCi/g	3.81	+/- .27	J	pCi/g
Thorium-232	2.32	+/- .28	J	pCi/g	6.67	+/- .45	J	pCi/g	7.11	+/- .49	J	pCi/g
Uranium, Total	5.20	+/- .12	-	ug/g	814.00	+/- 20	-	ug/g	1430.00	+/- 34	-	ug/g
Uranium-233/234												
Uranium-234	2.69	+/- .28	-	pCi/g	411.00	+/- 44	J	pCi/g	335.00	+/- 35	J	pCi/g
Uranium-235												
Uranium-235/236	.15	+/- .038	J	pCi/g	10.80	+/- 4.3	J	pCi/g	14.30	+/- 4.3	J	pCi/g
Uranium-236												
Uranium-238	2.28	+/- .24	-	pCi/g	310.00	+/- 35	J	pCi/g	268.00	+/- 29	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				STEEL COATINGS				STEEL COATINGS			
Depth:	0-.5"											
Process Area:	3				3				3			
Sample:	13A-064R				13A-066				13A-066R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g					8.00	+/- 1.3	J	pCi/g
Cesium-137	.19	+/- .13	J	pCi/g					1.70		UJ	pCi/g
Lead-210	1.13	+/- .33	J	pCi/g					33.00	+/- 11	-	pCi/g
Neptunium-237	.06		UJ	pCi/g					2.30	+/- .44	J	pCi/g
Plutonium-238	.26	+/- .1	-	pCi/g	180.00		NV	pCi/g	420.00	+/- 62	-	pCi/g
Plutonium-239					19.00		NV	pCi/g				
Plutonium-239/240	.05		UJ	pCi/g					26.00	+/- 3.8	-	pCi/g
Plutonium-241	1.40		UJ	pCi/g					21.00	+/- 4.9	-	pCi/g
Polonium-210	.90	+/- .23	J	pCi/g					51.00	+/- 9	-	pCi/g
Radium-226	1.09	+/- .21	J	pCi/g					110.00	+/- 28	-	pCi/g
Radium-228	4.49	+/- 1.1	J	pCi/g					2200.00	+/- 530	-	pCi/g
Strontium-90	.35		UJ	pCi/g					41.00	+/- 11	-	pCi/g
Technetium-99	.36	+/- .12	J	pCi/g					410.00	+/- 46	-	pCi/g
Thorium-227	.05		NV	pCi/g								
Thorium-228	3.69	+/- .39	J	pCi/g					470.00	+/- 69	J	pCi/g
Thorium-230	1.89	+/- .22	J	pCi/g					240.00	+/- 35	J	pCi/g
Thorium-232	3.28	+/- .35	J	pCi/g					230.00	+/- 34	J	pCi/g
Uranium, Total	505.00	+/- 12	-	ug/g					730.00	+/- 100	-	ug/g
Uranium-233/234												
Uranium-234	129.00	+/- 12	J	pCi/g					6800.00	+/- 1000	R	pCi/g
Uranium-235												
Uranium-235/236	6.46	+/- 1.1	J	pCi/g					920.00	+/- 140	R	pCi/g
Uranium-236												
Uranium-238	87.50	+/- 8.7	-	pCi/g					5200.00	+/- 760	R	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	ACID BRICK				CONCRETE CHIPS				CONCRETE CHIPS DUP			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	3				3				3			
Sample:	13A-068R(TCLP)				13A-069R(TCLP)				13A-070R(TCLP)			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	354.00	+/- 79	J	pCi/L	40.70	+/- 21.7	R	pCi/L	18.70	+/- 6.3	J	pCi/L
Cesium-137	7.90		UJ	pCi/L	5.80		UJ	pCi/L	5.00		UJ	pCi/L
Lead-210	308.00	+/- 118	-	pCi/L	2.60	+/- 2.2	J	pCi/L	3.50	+/- 2.4	J	pCi/L
Neptunium-237	33.40	+/- -135	R	pCi/L	2.40	+/- 4.9	UJ	pCi/L	32.60	+/- 33.6	R	pCi/L
Plutonium-238	750.00	+/- 236	J	pCi/L	5.20	+/- 3.7	UJ	pCi/L	4.30	+/- 3.7	UJ	pCi/L
Plutonium-239												
Plutonium-239/240	981.00	+/- 289	J	pCi/L	3.60	+/- 2.1	UJ	pCi/L	2.80	+/- 2.2	UJ	pCi/L
Plutonium-241			NV	pCi/L			NV	pCi/L			NV	pCi/L
Polonium-210	2.80	+/- 1.4	J	pCi/L	1.10	+/- 1	UJ	pCi/L	1.10	+/- 1	UJ	pCi/L
Radium-226	618.00	+/- 78.9	-	pCi/L	12.80	+/- 1.8	-	pCi/L	13.90	+/- 1.9	-	pCi/L
Radium-228	167.00	+/- 25.8	-	pCi/L	54.10	+/- 8.6	-	pCi/L	59.20	+/- 9.3	-	pCi/L
Strontium-90	2.70	+/- 1.9	J	pCi/L	1.70	+/- 1.8	J	pCi/L	2.30	+/- 1.8	J	pCi/L
Technetium-99	130.00	+/- 33.9	-	pCi/L	151.00	+/- 37.9	-	pCi/L	146.00	+/- 36.7	-	pCi/L
Thorium-227												
Thorium-228	4960.00	+/- 1350	J	pCi/L	5.80	+/- 3	R	pCi/L	3.20	+/- 2.7	UJ	pCi/L
Thorium-230	1340.00	+/- 382	J	pCi/L	184.00	+/- 47.1	R	pCi/L	3.30	+/- 3.5	UJ	pCi/L
Thorium-232	3810.00	+/- 1040	J	pCi/L	4.70	+/- 3.1	R	pCi/L	2.90	+/- 2.7	UJ	pCi/L
Uranium, Total	10200.00	+/- 1040	-	ug/L	36000.00	+/- 3690	-	ug/L	45700.00	+/- 4670	-	ug/L
Uranium-233/234												
Uranium-234	9090.00	+/- 1880	J	pCi/L	14900.00	+/- 3130	J	pCi/L	23300.00	+/- 3960	J	pCi/L
Uranium-235												
Uranium-235/236	1720.00	+/- 569	J	pCi/L	818.00	+/- 217	J	pCi/L	1690.00	+/- 620	J	pCi/L
Uranium-236												
Uranium-238	6170.00	+/- 1380	J	pCi/L	11000.00	+/- 2330	J	pCi/L	16200.00	+/- 2910	J	pCi/L

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 13B - Pilot Plant Maintenance Bldg.
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	13B-003				13B-004				13B-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.10		R	pCi/g	.10		R	pCi/g
Cesium-137	.04		UJ	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	.60	+/- .3	J	pCi/g	.50	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .02	UJ	pCi/g	.01	+/- .02	UJ	pCi/g	-.01	+/- .02	UJ	pCi/g
Plutonium-238	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241												
Polonium-210	1.10	+/- .2	-	pCi/g	1.30	+/- .3	-	pCi/g	1.10	+/- .2	-	pCi/g
Radium-226	2.10	+/- .4	-	pCi/g	1.00	+/- .2	-	pCi/g	1.20	+/- .3	-	pCi/g
Radium-228	.90	+/- .4	J	pCi/g	.30		UJ	pCi/g	.40		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	1.10	+/- .5	-	pCi/g	.30		UJ	pCi/g
Technetium-99	.90	+/- .3	-	pCi/g	.40	+/- .2	J	pCi/g	.20		UJ	pCi/g
Thorium-227												
Thorium-228	.80	+/- .17	J	pCi/g	.17	+/- .1	J	pCi/g	.22	+/- .11	J	pCi/g
Thorium-230	.49	+/- .18	J	pCi/g	.39	+/- .17	J	pCi/g	.56	+/- .19	J	pCi/g
Thorium-232	.41	+/- .11	J	pCi/g	.19	+/- .08	J	pCi/g	.24	+/- .09	J	pCi/g
Uranium, Total	213.00	+/- 30.2	J	ug/g	16.00	+/- 2.3	J	ug/g	2.40	+/- .3	J	ug/g
Uranium-233/234												
Uranium-234	31.88	+/- 4.54	J	pCi/g	2.57	+/- .37	J	pCi/g	.62	+/- .13	J	pCi/g
Uranium-235												
Uranium-235/236	3.16	+/- .7	J	pCi/g	.23	+/- .06	J	pCi/g	.07	+/- .04	J	pCi/g
Uranium-236												
Uranium-238	68.86	+/- 9.38	J	pCi/g	5.21	+/- .72	J	pCi/g	.82	+/- .15	J	pCi/g

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 13B - Pilot Plant Maintenance Bldg.
Analytical Results - Radionuclides

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	13B-007

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.40	+/- .2	J	pCi/g
Neptunium-237	.00	+/- .02	UJ	pCi/g
Plutonium-238	.03	+/- .0887	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	-.01	+/- .04	UJ	pCi/g
Plutonium-241				
Polonium-210	1.10	+/- .2	-	pCi/g
Radium-226	1.00	+/- .2	-	pCi/g
Radium-228	.40	+/- .4	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.50	+/- .2	J	pCi/g
Thorium-227				
Thorium-228	.26	+/- .11	J	pCi/g
Thorium-230	.50	+/- .18	J	pCi/g
Thorium-232	.21	+/- .09	J	pCi/g
Uranium, Total	20.70	+/- 2.9	J	ug/g
Uranium-233/234				
Uranium-234	8.78	+/- 1.18	J	pCi/g
Uranium-235				
Uranium-235/236	.52	+/- .1	J	pCi/g
Uranium-236				
Uranium-238	7.51	+/- 1.01	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 13C - Sump Pump House
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	13C-003				13C-004				13C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	3.60		J	pCi/g	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g
Cesium-137	3.20	+/- 2.2	J	pCi/g	.20	+/- .1	J	pCi/g	.03		UJ	pCi/g
Lead-210	26.10	+/- 4.9	J	pCi/g	1.50	+/- .3	J	pCi/g	.40	+/- .3	J	pCi/g
Neptunium-237	.40		UJ	pCi/g	-.01	+/- .0679	UJ	pCi/g	-.02	+/- .0308	UJ	pCi/g
Plutonium-238	3.80		-	pCi/g	1.10	+/- 1.204	UJ	pCi/g	.03	+/- .09	UJ	pCi/g
Plutonium-239	.26		-	pCi/g	.08	+/- .04	J	pCi/g	.02	+/- .03	UJ	pCi/g
Plutonium-239/240												
Plutonium-241	1.70		UJ	pCi/g								
Polonium-210	1.60		-	pCi/g	.90	+/- .2	-	pCi/g	.80	+/- .2	-	pCi/g
Radium-226	314.00	+/- 50.1	-	pCi/g	11.90	+/- 1.9	-	pCi/g	.90	+/- .2	-	pCi/g
Radium-228	116.00	+/- 17.5	-	pCi/g	7.50	+/- 1.2	-	pCi/g	.60	+/- .3	J	pCi/g
Strontium-90	5.80	+/- 1.6	-	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	838.00	+/- 386	-	pCi/g	22.50	+/- 5.3	-	pCi/g	.50	+/- .3	J	pCi/g
Thorium-227												
Thorium-228	460.00		J	pCi/g	16.89	+/- 5.14	J	pCi/g	1.31	+/- .23	NJ	pCi/g
Thorium-230	11.00		J	pCi/g	1.05	+/- .54	J	pCi/g	.58	+/- .15	NJ	pCi/g
Thorium-232	17.00		J	pCi/g	.54	+/- .32	J	pCi/g	.32	+/- .08	NJ	pCi/g
Uranium, Total	615.00	+/- 87	J	ug/g	30.40	+/- 4.3	J	ug/g	1.70	+/- .2	J	ug/g
Uranium-233/234												
Uranium-234	150.00		J	pCi/g	13.27	+/- 2.45	J	pCi/g	.91	+/- .16	J	pCi/g
Uranium-235	10.00		J	pCi/g	1.11	+/- .37	J	pCi/g	.07	+/- .04	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	120.00		J	pCi/g	10.54	+/- 2	J	pCi/g	.87	+/- .15	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 13C - Sump Pump House
Analytical Results - Radionuclides

Material:	MASONRY CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	13C-007			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.80		J	pCi/g
Cesium-137	1.00	+/- .3	-	pCi/g
Lead-210	11.20	+/- 1.7	J	pCi/g
Neptunium-237	.44		UJ	pCi/g
Plutonium-238	1.80		-	pCi/g
Plutonium-239	.14		-	pCi/g
Plutonium-239/240				
Plutonium-241	1.80		UJ	pCi/g
Polonium-210	5.60		J	pCi/g
Radium-226	36.60	+/- 5.8	-	pCi/g
Radium-228	9.70	+/- 1.5	-	pCi/g
Strontium-90	1.20	+/- .4	-	pCi/g
Technetium-99	4.00	+/- 1	-	pCi/g
Thorium-227				
Thorium-228	15.00		J	pCi/g
Thorium-230	4.00		J	pCi/g
Thorium-232	3.80		J	pCi/g
Uranium, Total	69.10	+/- 9.8	J	ug/g
Uranium-233/234				
Uranium-234	24.00		-	pCi/g
Uranium-235	.96		J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	20.00		-	pCi/g

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank Farm
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	13D-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.42	+/- .186	-	pCi/g
Cesium-137	.22		UJ	pCi/g
Lead-210	4.79		UJ	pCi/g
Neptunium-237	1.07	+/- .208	J	pCi/g
Plutonium-238	3.98	+/- .682	-	pCi/g
Plutonium-239				
Plutonium-239/240	1.47	+/- .327	-	pCi/g
Plutonium-241	3.35	+/- 1.12	-	pCi/g
Polonium-210	.68	+/- .18	-	pCi/g
Radium-226	1.63	+/- .266	-	pCi/g
Radium-228	71.80	+/- 5.19	-	pCi/g
Strontium-90	.24		UJ	pCi/g
Technetium-99	32.90	+/- 4.87	-	pCi/g
Thorium-227				
Thorium-228	56.90	+/- 9.04	-	pCi/g
Thorium-230	13.70	+/- 3.23	-	pCi/g
Thorium-232	24.50	+/- 4.3	-	pCi/g
Uranium, Total	1150.00	+/- 72.6	-	ug/g
Uranium-233/234				
Uranium-234	518.00	+/- 51.2	-	pCi/g
Uranium-235				
Uranium-235/236	90.40	+/- 13	-	pCi/g
Uranium-236				
Uranium-238	397.00	+/- 39.9	-	pCi/g

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Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 14A - Administration Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	14A-003				14A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.19	+/- .093	-	pCi/g	.16	+/- .12	J	pCi/g
Cesium-137	.01		UJ	pCi/g	.01		UJ	pCi/g
Lead-210	.45		UJ	pCi/g	.42		UJ	pCi/g
Neptunium-237	.11		UJ	pCi/g	.08		UJ	pCi/g
Plutonium-238	.08		UJ	pCi/g	.11		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.14		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-241								
Polonium-210	.26	+/- .19	J	pCi/g	.40	+/- .25	J	pCi/g
Radium-226	.41	+/- .046	-	pCi/g	.42	+/- .078	-	pCi/g
Radium-228	.27	+/- .15	J	pCi/g	.22	+/- .24	J	pCi/g
Strontium-90	2.30	+/- .56	-	pCi/g	.31		UJ	pCi/g
Technetium-99	2.00	+/- .7	-	pCi/g	.64		UJ	pCi/g
Thorium-227								
Thorium-228	.47	+/- .179	-	pCi/g	.50	+/- .196	-	pCi/g
Thorium-230	.52	+/- .139	-	pCi/g	.33	+/- .122	-	pCi/g
Thorium-232	.34	+/- .0992	-	pCi/g	.17	+/- .0771	-	pCi/g
Uranium, Total	77.00	+/- 4.8	-	ug/g	1.70	+/- .047	-	ug/g
Uranium-233/234								
Uranium-234	.27	+/- 2.8	J	pCi/g	.29		UJ	pCi/g
Uranium-235								
Uranium-235/236	1.50	+/- .23	J	pCi/g	.10		UJ	pCi/g
Uranium-236								
Uranium-238	29.00	+/- 3	J	pCi/g	.34		UJ	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CORE			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	2				2				2			
Sample:	15A-003				15A-004				15A-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07		UJ	pCi/g	.12		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.08		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	2.77		UJ	pCi/g	3.76		UJ	pCi/g	1.10		UJ	pCi/g
Neptunium-237	.11		UJ	pCi/g	.21		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-238	.04		UJ	pCi/g	.05		UJ	pCi/g	.02	+/- .0192	J	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.07		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241												
Polonium-210	.28	+/- .15	J	pCi/g	.48	+/- .155	-	pCi/g	.37	+/- .152	-	pCi/g
Radium-226	.49	+/- .06	-	pCi/g	.73	+/- .133	-	pCi/g	.55	+/- .0789	-	pCi/g
Radium-228	.29	+/- .0756	-	pCi/g	.36	+/- .186	J	pCi/g	.29	+/- .104	-	pCi/g
Strontium-90	.37		UJ	pCi/g	.34		UJ	pCi/g	.39		UJ	pCi/g
Technetium-99	.41		UJ	pCi/g	2.30	+/- .483	-	pCi/g	.96	+/- .383	-	pCi/g
Thorium-227												
Thorium-228	.23	+/- .075	-	pCi/g	.38		UJ	pCi/g	.27	+/- .073	-	pCi/g
Thorium-230	.15	+/- .114	J	pCi/g	3.67	+/- .737	J	pCi/g	.24	+/- .116	J	pCi/g
Thorium-232	.14	+/- .0534	-	pCi/g	.43	+/- .186	J	pCi/g	.18	+/- .0539	-	pCi/g
Uranium, Total	14.90	+/- .966	-	ug/g	675.00	+/- 42.6	-	ug/g	29.50	+/- 1.88	-	ug/g
Uranium-233/234												
Uranium-234	7.20	+/- .97	-	pCi/g	125.00	+/- 13.9	-	pCi/g	16.50	+/- 1.6	J	pCi/g
Uranium-235												
Uranium-235/236	.80	+/- .194	-	pCi/g	16.90	+/- 3.74	-	pCi/g	1.78	+/- .223	J	pCi/g
Uranium-236												
Uranium-238	7.35	+/- .984	-	pCi/g	131.00	+/- 14.1	-	pCi/g	19.60	+/- 1.89	J	pCi/g

000252

Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	.5-1"				1-4"				0-.5"			
Process Area:	2				2				1			
Sample:	15A-007				15A-008				15A-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/g	.13		UJ	pCi/g	.08		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.03		UJ	pCi/g	.09	+/- .0354	-	pCi/g
Lead-210	2.24		UJ	pCi/g	1.00		UJ	pCi/g	1.59		UJ	pCi/g
Neptunium-237	.13		UJ	pCi/g	.13		UJ	pCi/g	.13		UJ	pCi/g
Plutonium-238	.05		UJ	pCi/g	.06		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.05		UJ	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241												
Polonium-210	.27	+/- .11	-	pCi/g	.35	+/- .116	-	pCi/g	.46	+/- .164	-	pCi/g
Radium-226	.48	+/- .586	J	pCi/g	.51	+/- .0877	-	pCi/g	.60	+/- .0902	-	pCi/g
Radium-228	.24	+/- .0694	-	pCi/g	.32	+/- .126	-	pCi/g	.22	+/- .113	J	pCi/g
Strontium-90	.36		UJ	pCi/g	.34		UJ	pCi/g	.32		UJ	pCi/g
Technetium-99	4.81	+/- .671	-	pCi/g	.41		UJ	pCi/g	.59	+/- .356	J	pCi/g
Thorium-227												
Thorium-228	.24	+/- .0722	-	pCi/g	.30	+/- .075	-	pCi/g	.23	+/- .0738	-	pCi/g
Thorium-230	.14	+/- .113	J	pCi/g	.09		UJ	pCi/g	.23	+/- .117	J	pCi/g
Thorium-232	.13	+/- .0504	-	pCi/g	.11	+/- .0477	-	pCi/g	.11	+/- .0491	-	pCi/g
Uranium, Total	3.40	+/- .227	-	ug/g	1.06	+/- .0609	-	ug/g	99.10	+/- 6.37	-	ug/g
Uranium-233/234												
Uranium-234	1.81	+/- .211	-	pCi/g	.49	+/- .102	-	pCi/g	43.90	+/- 4.62	J	pCi/g
Uranium-235												
Uranium-235/236	.30	+/- .0666	-	pCi/g	.06	+/- .0432	J	pCi/g	4.69	+/- .572	J	pCi/g
Uranium-236												
Uranium-238	1.92	+/- .21	-	pCi/g	.53	+/- .0851	-	pCi/g	48.50	+/- 5.1	J	pCi/g

0002533

P 2123

Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	3				3				3			
Sample:	15A-016				15A-017				15A-018			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.07		UJ	pCi/g	.12		UJ	pCi/g
Cesium-137	.13		UJ	pCi/g	.07		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	5.27		UJ	pCi/g	2.78		UJ	pCi/g	1.14		UJ	pCi/g
Neptunium-237	.21		UJ	pCi/g	.18		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-238	.08	+/- .0468	J	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.05		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-241												
Polonium-210	.38	+/- .131	-	pCi/g	.27	+/- .113	-	pCi/g	.14	+/- .106	J	pCi/g
Radium-226	.82	+/- .156	-	pCi/g	.60	+/- .11	-	pCi/g	.31	+/- .0718	-	pCi/g
Radium-228	3.00	+/- .347	-	pCi/g	1.44	+/- .227	-	pCi/g	.21	+/- .118	J	pCi/g
Strontium-90	.38		UJ	pCi/g	.34		UJ	pCi/g	.36		UJ	pCi/g
Technetium-99	3.51	+/- .572	-	pCi/g	2.78		UJ	pCi/g	.40		UJ	pCi/g
Thorium-227												
Thorium-228	3.49	+/- .357	-	pCi/g	.80	+/- .117	-	pCi/g	.54	+/- .096	-	pCi/g
Thorium-230	.48	+/- .126	-	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Thorium-232	.69	+/- .0954	-	pCi/g	.20	+/- .0556	-	pCi/g	.16	+/- .0537	-	pCi/g
Uranium, Total	2860.00	+/- 181	-	ug/g	293.00	+/- 18.6	-	ug/g	2.70	+/- .195	-	ug/g
Uranium-233/234												
Uranium-234	912.00	+/- 94.2	-	pCi/g	63.90	+/- 7.55	J	pCi/g	2.50	+/- .401	J	pCi/g
Uranium-235												
Uranium-235/236	222.00	+/- 30.9	-	pCi/g	4.78	+/- .681	J	pCi/g	.31	+/- .117	J	pCi/g
Uranium-236												
Uranium-238	1080.00	+/- 108	-	pCi/g	66.70	+/- 7.87	J	pCi/g	2.03	+/- .341	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	3
Sample:	15A-019

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.11		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g
Lead-210	1.31		UJ	pCi/g
Neptunium-237	.13		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.04		UJ	pCi/g
Plutonium-241				
Polonium-210	.35	+/- .147	-	pCi/g
Radium-226	.58	+/- .0938	-	pCi/g
Radium-228	.20	+/- .12	J	pCi/g
Strontium-90	.37		UJ	pCi/g
Technetium-99	.41		UJ	pCi/g
Thorium-227				
Thorium-228	.24	+/- .0802	-	pCi/g
Thorium-230	.29	+/- .123	-	pCi/g
Thorium-232	.22	+/- .0604	-	pCi/g
Uranium, Total	53.80	+/- 3.46	-	ug/g
Uranium-233/234				
Uranium-234	95.00	+/- 11	R	pCi/g
Uranium-235				
Uranium-235/236	7.11	+/- .937	R	pCi/g
Uranium-236				
Uranium-238	99.50	+/- 11.6	R	pCi/g

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16A-002				16A-003 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.16	+/- .084	J	pCi/g
Cesium-137	.30	+/- .022	-	pCi/g	.18	+/- .025	-	pCi/g
Lead-210	3.10	+/- .45	-	pCi/g	.67	+/- .33	-	pCi/g
Neptunium-237	.08		UJ	pCi/g	.14		UJ	pCi/g
Plutonium-238	.07		UJ	pCi/g	.11		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.14		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-241								
Polonium-210	1.80	+/- .53	J	pCi/g	2.10	+/- .56	J	pCi/g
Radium-226	.43	+/- .046	-	pCi/g	.42	+/- .042	-	pCi/g
Radium-228	.36	+/- .16	-	pCi/g	.31	+/- .16	J	pCi/g
Strontium-90	.29		UJ	pCi/g	8.40	+/- 1.7	-	pCi/g
Technetium-99	.64		UJ	pCi/g	.49		UJ	pCi/g
Thorium-227								
Thorium-228	.40	+/- .165	-	pCi/g	.73	+/- .219	-	pCi/g
Thorium-230	.60	+/- .147	-	pCi/g	.65	+/- .164	-	pCi/g
Thorium-232	.18	+/- .0705	-	pCi/g	.36	+/- .112	-	pCi/g
Uranium, Total	20.00	+/- 1.7	-	ug/g	13.00	+/- 1.1	-	ug/g
Uranium-233/234								
Uranium-234	9.00	+/- 1	J	pCi/g	6.50	+/- .76	J	pCi/g
Uranium-235								
Uranium-235/236	.36	+/- .11	J	pCi/g	.27	+/- .093	J	pCi/g
Uranium-236								
Uranium-238	9.90	+/- 1.1	J	pCi/g	6.90	+/- .84	J	pCi/g

9526500

Appendix L.2 - Major Media
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	16B-004				16B-005 DUP				16B-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.12		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.02		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	13.00	+/- 1.3	-	pCi/g	.37	+/- .28	J	pCi/g	.90	+/- .39	-	pCi/g
Neptunium-237	.13		UJ	pCi/g	.12		UJ	pCi/g	.14		UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g	.15	+/- .16	J	pCi/g	.13		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.15		UJ	pCi/g	.14		UJ	pCi/g	1.80	+/- 1.5	J	pCi/g
Plutonium-241									2.00		UJ	pCi/g
Polonium-210	2.40		UJ	pCi/g	2.80		UJ	pCi/g	3.60	+/- 2.1	J	pCi/g
Radium-226	.49	+/- .058	-	pCi/g	.50	+/- .059	-	pCi/g	.99	+/- .086	-	pCi/g
Radium-228	.26	+/- .16	J	pCi/g	.26	+/- .18	J	pCi/g	1.10	+/- .33	-	pCi/g
Strontium-90	.16		UJ	pCi/g	1.20	+/- .33	-	pCi/g	.56	+/- .26	-	pCi/g
Technetium-99	.78	+/- .33	-	pCi/g	1.70	+/- .39	-	pCi/g	.59	+/- .3	J	pCi/g
Thorium-227												
Thorium-228	.40	+/- .16	J	pCi/g	.35	+/- .15	J	pCi/g	1.10	+/- .24	J	pCi/g
Thorium-230	.52	+/- .15	J	pCi/g	.64	+/- .17	J	pCi/g	.87	+/- .19	J	pCi/g
Thorium-232	.26	+/- .097	J	pCi/g	.35	+/- .11	J	pCi/g	.77	+/- .17	J	pCi/g
Uranium, Total	1.99	+/- .051	-	ug/g	2.77	+/- .0636	-	ug/g	2.56	+/- .0859	-	ug/g
Uranium-233/234												
Uranium-234	.60	+/- .19	J	pCi/g	.51	+/- .188	J	pCi/g	1.18	+/- .278	J	pCi/g
Uranium-235												
Uranium-235/236	.09		UJ	pCi/g	.10		UJ	pCi/g	.09		UJ	pCi/g
Uranium-236												
Uranium-238	.58	+/- .185	-	pCi/g	.73	+/- .22	-	pCi/g	1.10	+/- .265	-	pCi/g

000257

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Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Transformer
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	16C-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.05	+/- 0	J	pCi/g
Lead-210	1.40	+/- .4	R	pCi/g
Neptunium-237	.02	+/- .0634	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	.90	+/- .5	J	pCi/g
Radium-226	1.20	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.50		UJ	pCi/g
Technetium-99	.50		UJ	pCi/g
Thorium-227				
Thorium-228	.07	+/- .21	UJ	pCi/g
Thorium-230	.57	+/- .3	J	pCi/g
Thorium-232	.21	+/- .17	J	pCi/g
Uranium, Total	3.90	+/- .5	J	ug/g
Uranium-233/234				
Uranium-234	1.06	+/- .27	J	pCi/g
Uranium-235	.13	+/- .09	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	1.21	+/- .29	J	pCi/g

00238

Appendix L.2 - Major Media
Category 4 - Process Support
Component 16D - Main Electrical Switch House
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16D-003				16D-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.25		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	21.40		UJ	pCi/g	1.88	+/- .491	-	pCi/g
Neptunium-237	.08		UJ	pCi/g	.07		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01	+/- .00531	J	pCi/g
Plutonium-239								
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-241								
Polonium-210	.32	+/- .0959	-	pCi/g	.36	+/- .134	-	pCi/g
Radium-226	.48	+/- .0524	-	pCi/g	.53	+/- .0722	-	pCi/g
Radium-228	.33	+/- .0603	-	pCi/g	.22	+/- .0927	-	pCi/g
Strontium-90	.20		UJ	pCi/g	.19		UJ	pCi/g
Technetium-99	.43		UJ	pCi/g	.35		UJ	pCi/g
Thorium-227								
Thorium-228	.36	+/- .0627	-	pCi/g	.28	+/- .06	-	pCi/g
Thorium-230	.11	+/- .105	J	pCi/g	.12	+/- .107	J	pCi/g
Thorium-232	.17	+/- .0386	-	pCi/g	.15	+/- .0392	-	pCi/g
Uranium, Total	14.40	+/- .906	-	ug/g	2.20	+/- .122	-	ug/g
Uranium-233/234								
Uranium-234	4.75	+/- .431	J	pCi/g	.58	+/- .0844	J	pCi/g
Uranium-235								
Uranium-235/236	.47	+/- .0703	J	pCi/g	.06	+/- .0272	J	pCi/g
Uranium-236								
Uranium-238	4.79	+/- .433	J	pCi/g	.53	+/- .0762	J	pCi/g

060259

2128

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16E - Main Electrical Transformers
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	16E-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g
Neptunium-237	.00	+/- .0331	UJ	pCi/g
Plutonium-238	.13	+/- .12	UJ	pCi/g
Plutonium-239	.03	+/- .07	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.20	+/- .2	J	pCi/g
Radium-226	.90	+/- .2	-	pCi/g
Radium-228	.30	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.19	+/- .08	J	pCi/g
Thorium-230	.54	+/- .15	J	pCi/g
Thorium-232	.20	+/- .07	J	pCi/g
Uranium, Total	4.40	+/- .6	-	ug/g
Uranium-233/234				
Uranium-234	1.57	+/- .33	J	pCi/g
Uranium-235	.50	+/- .13	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	1.75	+/- .33	J	pCi/g

092000

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	16F-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	2.22	+/- .479	-	pCi/g
Neptunium-237	.06	+/- .0484	J	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241				
Polonium-210	.43	+/- .115	-	pCi/g
Radium-226	.88	+/- .0893	-	pCi/g
Radium-228	.27	+/- .0891	-	pCi/g
Strontium-90	.21		UJ	pCi/g
Technetium-99	.34		UJ	pCi/g
Thorium-227				
Thorium-228	.33	+/- .0615	-	pCi/g
Thorium-230	.52	+/- .118	-	pCi/g
Thorium-232	.21	+/- .0412	-	pCi/g
Uranium, Total	3.20	+/- .176	-	ug/g
Uranium-233/234				
Uranium-234	1.14	+/- .13	J	pCi/g
Uranium-235				
Uranium-235/236	.11	+/- .0324	J	pCi/g
Uranium-236				
Uranium-238	1.08	+/- .121	-	pCi/g

000261

3212

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16G - Trailer Substation #2
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16G-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.02		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	1.98	+/- 1.42	J	pCi/g
Neptunium-237	.24		UJ	pCi/g
Plutonium-238	.00	+/- .0054	J	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241	.47		UJ	pCi/g
Polonium-210	.41	+/- .186	-	pCi/g
Radium-226	.57	+/- .0719	J	pCi/g
Radium-228	.25	+/- .0948	J	pCi/g
Strontium-90	2.65		UJ	pCi/g
Technetium-99	.41		UJ	pCi/g
Thorium-227				
Thorium-228	.27	+/- .0422	J	pCi/g
Thorium-230	.45	+/- .1	J	pCi/g
Thorium-232	.21	+/- .0346	-	pCi/g
Uranium, Total	93.60	+/- 5.79	-	ug/g
Uranium-233/234				
Uranium-234	.92	+/- .117	-	pCi/g
Uranium-235				
Uranium-235/236	.16	+/- .0417	-	pCi/g
Uranium-236				
Uranium-238	.62	+/- .0871	J	pCi/g

000262

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	18B-002				18B-003				18B-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06	+/- .0432	J	pCi/g	.01		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	1.28	+/- .189	J	pCi/g	.25	+/- .0702	J	pCi/g	.06	+/- .0255	J	pCi/g
Lead-210	3.99		UJ	pCi/g	1.95		UJ	pCi/g	.75		UJ	pCi/g
Neptunium-237	.58	+/- .207	-	pCi/g	.14		UJ	pCi/g	.16		UJ	pCi/g
Plutonium-238	.65	+/- .112	-	pCi/g	.03	+/- .0118	-	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.35	+/- .0735	-	pCi/g	.03	+/- .0105	-	pCi/g	.01		UJ	pCi/g
Plutonium-241	2.68		UJ	pCi/g	.76	+/- .427	J	pCi/g	.68		UJ	pCi/g
Polonium-210	1.30	+/- .31	-	pCi/g	.89	+/- .226	-	pCi/g	.24	+/- .173	J	pCi/g
Radium-226	2.49	+/- .335	J	pCi/g	.92	+/- .152	J	pCi/g	.44	+/- .0679	J	pCi/g
Radium-228	154.00	+/- 10.9	J	pCi/g	29.40	+/- 2.15	J	pCi/g	.37	+/- .103	J	pCi/g
Strontium-90	3.79	+/- 2.05	J	pCi/g	2.25		UJ	pCi/g	2.04		UJ	pCi/g
Technetium-99	12.70	+/- 1.35	-	pCi/g	11.80	+/- 1.28	-	pCi/g	64.70	+/- 5.78	-	pCi/g
Thorium-227												
Thorium-228	237.00	+/- 21.7	J	pCi/g	9.39	+/- 1.04	J	pCi/g	.74	+/- .0824	J	pCi/g
Thorium-230	54.80	+/- 9.57	J	pCi/g	.95		UJ	pCi/g	.82	+/- .122	J	pCi/g
Thorium-232	7.15	+/- 2.71	-	pCi/g	.46	+/- .278	J	pCi/g	.32	+/- .0455	-	pCi/g
Uranium, Total	77.20	+/- 4.76	-	ug/g	8.19	+/- .45	-	ug/g	5.85	+/- .302	-	ug/g
Uranium-233/234												
Uranium-234	37.70	+/- 3.37	J	pCi/g	5.47	+/- .493	-	pCi/g	5.04	+/- .46	-	pCi/g
Uranium-235												
Uranium-235/236	5.44	+/- .564	J	pCi/g	.80	+/- .102	-	pCi/g	.77	+/- .1	-	pCi/g
Uranium-236												
Uranium-238	30.10	+/- 2.71	J	pCi/g	4.90	+/- .445	J	pCi/g	4.24	+/- .393	J	pCi/g

000263

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	18G-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	1.30	+/- .4	J	pCi/g
Neptunium-237	.40		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g
Plutonium-239	.03		UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	.44		-	pCi/g
Radium-226	1.20	+/- .2	-	pCi/g
Radium-228	.40	+/- .2	J	pCi/g
Strontium-90	.20		UJ	pCi/g
Technetium-99	28.50	+/- 6.7	-	pCi/g
Thorium-227				
Thorium-228	.32		J	pCi/g
Thorium-230	.79		J	pCi/g
Thorium-232	.23		J	pCi/g
Uranium, Total	22.20	+/- 3.1	J	ug/g
Uranium-233/234				
Uranium-234	7.40		-	pCi/g
Uranium-235	.57		-	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	6.00		-	pCi/g

0003284

Appendix L.2 - Major Media
Category 3 - Process
Component 18H - BDN Effluent Treatment Facility
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	18H-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g
Lead-210	.80	+/- .4	J	pCi/g
Neptunium-237	.40		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g
Plutonium-239	.03		UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	.24		-	pCi/g
Radium-226	1.60	+/- .3	-	pCi/g
Radium-228	.30	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	3.30	+/- .6	J	pCi/g
Thorium-227				
Thorium-228	.17		-	pCi/g
Thorium-230	.79		J	pCi/g
Thorium-232	.18		-	pCi/g
Uranium, Total	15.30	+/- 2.2	-	ug/g
Uranium-233/234				
Uranium-234	3.20		J	pCi/g
Uranium-235	.32		J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	4.20		J	pCi/g

000263

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	18J-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.11		UJ	pCi/g
Cesium-137	.01		UJ	pCi/g
Lead-210	.90	+/- .35	-	pCi/g
Neptunium-237	.11		UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.17		UJ	pCi/g
Plutonium-241				
Polonium-210	.48	+/- .25	J	pCi/g
Radium-226	.58	+/- .05	-	pCi/g
Radium-228	.30	+/- .15	-	pCi/g
Strontium-90	.60	+/- .32	J	pCi/g
Technetium-99	.55		UJ	pCi/g
Thorium-227				
Thorium-228	.24	+/- .16	J	pCi/g
Thorium-230	.65	+/- .16	-	pCi/g
Thorium-232	.16	+/- .073	-	pCi/g
Uranium, Total	1.70	+/- .047	-	ug/g
Uranium-233/234				
Uranium-234	.68	+/- .18	-	pCi/g
Uranium-235				
Uranium-235/236	.07		UJ	pCi/g
Uranium-236				
Uranium-238	.80	+/- .19	-	pCi/g

92600

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18M - High Nitrate Storage Tank
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	18M-003				18M-004 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.02		UJ	pCi/g	.05	+/- .0216	J	pCi/g
Cesium-137	.03		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	.81		UJ	pCi/g	2.03	+/- 1.45	J	pCi/g
Neptunium-237	.12		UJ	pCi/g	.25		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.00	+/- .00574	J	pCi/g
Plutonium-239								
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-241	.42		UJ	pCi/g	.69		UJ	pCi/g
Polonium-210	.30	+/- .149	-	pCi/g	.43	+/- .169	-	pCi/g
Radium-226	.75	+/- .086	J	pCi/g	.72	+/- .0821	J	pCi/g
Radium-228	.20	+/- .0953	J	pCi/g	.27	+/- .0946	J	pCi/g
Strontium-90	2.35		UJ	pCi/g	2.32		UJ	pCi/g
Technetium-99	.42		UJ	pCi/g	.41		UJ	pCi/g
Thorium-227								
Thorium-228	.32	+/- .0468	J	pCi/g	.30	+/- .0472	J	pCi/g
Thorium-230	.75	+/- .115	J	pCi/g	.69	+/- .116	J	pCi/g
Thorium-232	.26	+/- .0384	-	pCi/g	.21	+/- .0374	-	pCi/g
Uranium, Total	4.22	+/- .218	J	ug/g	5.17	+/- .267	J	ug/g
Uranium-233/234								
Uranium-234	1.60	+/- .177	-	pCi/g	1.58	+/- .169	-	pCi/g
Uranium-235								
Uranium-235/236	.25	+/- .0525	-	pCi/g	.18	+/- .0412	-	pCi/g
Uranium-236								
Uranium-238	2.17	+/- .223	J	pCi/g	2.19	+/- .217	J	pCi/g

2927000

6212

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	19D-003R				19D-004R				19D-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	.20		UJ	pCi/g	.20		UJ	pCi/g	.20		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.40	+/- .3	J	pCi/g	.70	+/- .3	J	pCi/g	.30	+/- .2	J	pCi/g
Neptunium-237	.17	+/- .0968	J	pCi/g	-.52	+/- .4811	UJ	pCi/g	.06	+/- .0858	UJ	pCi/g
Plutonium-238	.14	+/- .2	UJ	pCi/g	-.01	+/- .2	UJ	pCi/g	.14	+/- .21	UJ	pCi/g
Plutonium-239	.02	+/- .09	UJ	pCi/g	.01	+/- .08	UJ	pCi/g	.02	+/- .09	UJ	pCi/g
Plutonium-239/240									.10		UJ	pCi/g
Plutonium-241												
Polonium-210	.80	+/- .2	J	pCi/g	1.50	+/- .3	J	pCi/g	.80	+/- .2	J	pCi/g
Radium-226	.60	+/- .2	J	pCi/g	.50	+/- .1	J	pCi/g	.50	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g	.30		UJ	pCi/g	.30	+/- .3	J	pCi/g
Strontium-90	.30		UJ	pCi/g	.40		UJ	pCi/g	.40		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g	.40	+/- .4	J	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.25	+/- .16	J	pCi/g	.52	+/- .18	J	pCi/g	.16	+/- .15	UJ	pCi/g
Thorium-230	.35	+/- .24	J	pCi/g	1.02	+/- .3	J	pCi/g	.38	+/- .24	J	pCi/g
Thorium-232	.30	+/- .12	J	pCi/g	.47	+/- .14	J	pCi/g	.22	+/- .12	J	pCi/g
Uranium, Total	7.60	+/- 1.1	J	ug/g	60.00	+/- 8.5	J	ug/g	3.40	+/- .5	J	ug/g
Uranium-233/234												
Uranium-234	1.63	+/- .29	J	pCi/g	9.75	+/- 2.31	J	pCi/g	.85	+/- .15	J	pCi/g
Uranium-235	.16	+/- .07	J	pCi/g	1.11	+/- .85	J	pCi/g	.12	+/- .05	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	2.30	+/- .38	J	pCi/g	17.36	+/- 3.12	J	pCi/g	1.11	+/- .18	J	pCi/g

82300

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	2				2				2			
Sample:	19D-009R				19D-010R				19D-011R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.10	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g
Cesium-137	.10		UJ	pCi/g	.00		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	.60	+/- .2	J	pCi/g	.40	+/- .2	J	pCi/g	.40	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .02	UJ	pCi/g	.01	+/- .02	UJ	pCi/g	-.01	+/- .02	UJ	pCi/g
Plutonium-238	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.00		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241												
Polonium-210	1.60	+/- .3	J	pCi/g	1.10	+/- .2	J	pCi/g	1.20	+/- .3	J	pCi/g
Radium-226	.80	+/- .2	-	pCi/g	.90	+/- .2	-	pCi/g	1.00	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g	.30	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	.50	+/- .4	J	pCi/g	.40		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	.30	+/- .2	J	pCi/g	.20	+/- .2	J	pCi/g	.30	+/- .2	J	pCi/g
Thorium-227												
Thorium-228	.15	+/- .1	J	pCi/g	.16	+/- .11	J	pCi/g	6.06	+/- 3.15	R	pCi/g
Thorium-230	.38	+/- .17	J	pCi/g	.37	+/- .17	J	pCi/g	11.86	+/- 5.77	R	pCi/g
Thorium-232	.10	+/- .08	J	pCi/g	.10	+/- .08	J	pCi/g	4.20	+/- 2.2	R	pCi/g
Uranium, Total	11.00	+/- 1.6	J	ug/g	1.80	+/- .3	J	ug/g	3.50	+/- .5	J	ug/g
Uranium-233/234												
Uranium-234	3.56	+/- .5	J	pCi/g	.58	+/- .12	J	pCi/g	.91	+/- .17	J	pCi/g
Uranium-235												
Uranium-235/236	.28	+/- .07	J	pCi/g	.03	+/- .03	J	pCi/g	.03	+/- .03	UJ	pCi/g
Uranium-236												
Uranium-238	4.22	+/- .58	J	pCi/g	.60	+/- .1	J	pCi/g	1.09	+/- .19	J	pCi/g

692000

9212

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 20C - Cooling Towers
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	20C-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.30	+/- .2	J	pCi/g
Lead-210	2.10	+/- .4	J	pCi/g
Neptunium-237	.24	+/- .4091	UJ	pCi/g
Plutonium-238	.30		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.20		UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	1.50		UJ	pCi/g
Radium-226	1.40	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.40	+/- 1.6	J	pCi/g
Technetium-99	.50		UJ	pCi/g
Thorium-227				
Thorium-228	.35	+/- .19	J	pCi/g
Thorium-230	.88	+/- .26	J	pCi/g
Thorium-232	.23	+/- .14	J	pCi/g
Uranium, Total	57.50	+/- 8.1	J	ug/g
Uranium-233/234				
Uranium-234	27.81	+/- 6.1	J	pCi/g
Uranium-235	1.86	+/- .66	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	28.81	+/- 6.3	J	pCi/g

Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	22E-002				22E-003				22E-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.00		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g
Lead-210	1.20	+/- .3	J	pCi/g	.90	+/- .3	J	pCi/g	.80	+/- .3	J	pCi/g
Neptunium-237	.05	+/- .2114	UJ	pCi/g	.03	+/- .0763	UJ	pCi/g	.01	+/- .0667	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/g	.30		UJ	pCi/g	.20		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.10		UJ	pCi/g	.20		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	1.30	+/- .6	J	pCi/g	.60		UJ	pCi/g	.90	+/- .5	J	pCi/g
Radium-226	2.10	+/- .3	J	pCi/g	1.30	+/- .2	J	pCi/g	.80	+/- .2	J	pCi/g
Radium-228	.30	+/- .3	J	pCi/g	.30		UJ	pCi/g	.30	+/- .4	J	pCi/g
Strontium-90	1.50		UJ	pCi/g	1.60		UJ	pCi/g	1.40		UJ	pCi/g
Technetium-99	.50		UJ	pCi/g	.50		UJ	pCi/g	.50		UJ	pCi/g
Thorium-227												
Thorium-228	.34	+/- .19	J	pCi/g	.27	+/- .19	J	pCi/g	.39	+/- .22	J	pCi/g
Thorium-230	.54	+/- .23	J	pCi/g	.35	+/- .22	J	pCi/g	.75	+/- .29	J	pCi/g
Thorium-232	.17	+/- .14	J	pCi/g	.12	+/- .13	J	pCi/g	.25	+/- .16	J	pCi/g
Uranium, Total	3.30	+/- .5	J	ug/g	1.70	+/- .2	J	ug/g	2.00	+/- .3	J	ug/g
Uranium-233/234												
Uranium-234	.84	+/- .27	J	pCi/g	.48	+/- .19	J	pCi/g	.92	+/- .27	J	pCi/g
Uranium-235	.10	+/- .1	UJ	pCi/g	.07	+/- .06	J	pCi/g	.12	+/- .08	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	.87	+/- .25	J	pCi/g	.75	+/- .21	J	pCi/g	.95	+/- .27	J	pCi/g

000271

2173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 24A - Railroad Scale House
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	24A-003				24A-005 ?			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	1.10	+/- .3	J	pCi/g	.60	+/- .2	J	pCi/g
Neptunium-237	.18	+/- .2365	UJ	pCi/g	-.16	+/- .2649	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g
Polonium-210	1.00		UJ	pCi/g	1.20		UJ	pCi/g
Radium-226	.90	+/- .2	J	pCi/g	.90	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.40		UJ	pCi/g	1.50		UJ	pCi/g
Technetium-99	.50		UJ	pCi/g	.50		UJ	pCi/g
Thorium-227								
Thorium-228	.23	+/- .17	J	pCi/g	.45	+/- .21	J	pCi/g
Thorium-230	.78	+/- .23	J	pCi/g	1.91	+/- .41	J	pCi/g
Thorium-232	.21	+/- .13	J	pCi/g	.56	+/- .19	J	pCi/g
Uranium, Total	60.00	+/- 8.5	J	ug/g	4.30	+/- .6	J	ug/g
Uranium-233/234								
Uranium-234	28.14	+/- 6.23	J	pCi/g	1.68	+/- .4	J	pCi/g
Uranium-235	1.50	+/- .62	J	pCi/g	.07	+/- .1	UJ	pCi/g
Uranium-235/236								
Uranium-236								
Uranium-238	31.16	+/- 6.86	J	pCi/g	1.57	+/- .38	J	pCi/g

Appendix L.2 - Major Media
Category 4 - Process Support
Component 24B - Railroad Engine House
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	24B-003				24B-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.04		UJ	pCi/g
Lead-210	.57	+/- .25	J	pCi/g	.41		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.02		UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.03		UJ	pCi/g	.03		UJ	pCi/g
Plutonium-241								
Polonium-210	.20	+/- .68	J	pCi/g	.21	+/- .7	J	pCi/g
Radium-226	.29	+/- .09	-	pCi/g	.43	+/- .14	-	pCi/g
Radium-228	.29	+/- .16	J	pCi/g	.33	+/- .2	J	pCi/g
Strontium-90	.16		UJ	pCi/g	.18		UJ	pCi/g
Technetium-99	.52		UJ	pCi/g	.69	+/- .44	J	pCi/g
Thorium-227								
Thorium-228	.31	+/- 2.8	J	pCi/g	.23	+/- .48	J	pCi/g
Thorium-230	1.10	+/- 2.8	J	pCi/g	.50	+/- .5	J	pCi/g
Thorium-232	.33		UJ	pCi/g	.29	+/- .48	J	pCi/g
Uranium, Total	230.00	+/- 50	J	ug/g	27.00	+/- 5	J	ug/g
Uranium-233/234								
Uranium-234	24.00	+/- 5.1	-	pCi/g	9.40	+/- 1.5	-	pCi/g
Uranium-235								
Uranium-235/236	2.90	+/- 4	J	pCi/g	.85	+/- .43	J	pCi/g
Uranium-236								
Uranium-238	110.00	+/- 17	-	pCi/g	14.00	+/- 2.3	-	pCi/g

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 25E - Digester & Control Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	25E-003R				25E-004R				25E-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.05		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.30	+/- .2	J	pCi/g	.50	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g
Neptunium-237	.03	+/- .0286	J	pCi/g	.01	+/- .0364	UJ	pCi/g	.00	+/- .0286	UJ	pCi/g
Plutonium-238	-.10	+/- .2	UJ	pCi/g	.10	+/- .2	UJ	pCi/g	.00	+/- .2	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.10	+/- .1	J	pCi/g	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	.50		UJ	pCi/g	1.00	+/- .3	J	pCi/g	1.00	+/- .3	J	pCi/g
Radium-226	1.00	+/- 1.2	R	pCi/g	.90	+/- 1	R	pCi/g	1.20	+/- 1.4	R	pCi/g
Radium-228	.30		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.00		UJ	pCi/g	1.00		UJ	pCi/g	.80		UJ	pCi/g
Technetium-99	4.40	+/- .7	J	pCi/g	.40		UJ	pCi/g	.40		UJ	pCi/g
Thorium-227												
Thorium-228	.47	+/- .16	J	pCi/g	.21	+/- .13	J	pCi/g	.18	+/- .12	J	pCi/g
Thorium-230	.20	+/- .22	J	pCi/g	.34	+/- .24	J	pCi/g	.02	+/- .21	UJ	pCi/g
Thorium-232	.21	+/- .12	J	pCi/g	.12	+/- .11	J	pCi/g	.12	+/- .11	J	pCi/g
Uranium, Total	10.40	+/- 1.5	J	ug/g	1.70	+/- .2	J	ug/g	2.40	+/- .3	J	ug/g
Uranium-233/234												
Uranium-234	3.93	+/- .89	J	pCi/g	.06	+/- .25	UJ	pCi/g	1.38	+/- .52	J	pCi/g
Uranium-235	.34	+/- .2	J	pCi/g	.17	+/- .17	UJ	pCi/g	.20	+/- .14	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	4.45	+/- .98	J	pCi/g	.20	+/- .26	UJ	pCi/g	1.34	+/- .34	J	pCi/g

Appendix L.2 - Major Media
Category 4 - Process Support
Component 25E - Digester & Control Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	25E-007R

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.30	+/- .3	J	pCi/g
Neptunium-237	.14	+/- .101	J	pCi/g
Plutonium-238	.00	+/- .19	UJ	pCi/g
Plutonium-239	-.06	+/- .09	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.20	+/- .2	-	pCi/g
Radium-226	.80	+/- .2	J	pCi/g
Radium-228	.40	+/- .3	J	pCi/g
Strontium-90	.40		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.36	+/- .19	J	pCi/g
Thorium-230	.97	+/- .33	J	pCi/g
Thorium-232	.33	+/- .15	J	pCi/g
Uranium, Total	4.10	+/- .6	J	ug/g
Uranium-233/234				
Uranium-234	.73	+/- .13	J	pCi/g
Uranium-235	.09	+/- .04	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	.78	+/- .14	J	pCi/g

Appendix L.2 - Major Media
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	25F-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.80	+/- .3	J	pCi/g
Neptunium-237	-.01	+/- .0641	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	1.10	+/- .6	J	pCi/g
Radium-226	1.10	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.20		UJ	pCi/g
Technetium-99	2.80	+/- .9	J	pCi/g
Thorium-227				
Thorium-228	.30	+/- .2	J	pCi/g
Thorium-230	.85	+/- .29	J	pCi/g
Thorium-232	.12	+/- .13	J	pCi/g
Uranium, Total	3.10	+/- .4	J	ug/g
Uranium-233/234				
Uranium-234	.98	+/- .28	J	pCi/g
Uranium-235	.04	+/- .09	UJ	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	1.40	+/- .33	J	pCi/g

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Appendix L.2 - Major Media
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	25G-003R				25G-004R				25G-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.02		UJ	pCi/g	.16		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	.13	+/- .0314	-	pCi/g	.02		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	6.02	+/- 1.28	-	pCi/g	1.74	+/- .383	-	pCi/g	4.64	+/- 1.14	-	pCi/g
Neptunium-237	.05		UJ	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-238	.01	+/- .00423	J	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-241												
Polonium-210	.58	+/- .0892	-	pCi/g	.27	+/- .0705	-	pCi/g	.33	+/- .0754	-	pCi/g
Radium-226	.49	+/- .0641	-	pCi/g	.44	+/- .0599	-	pCi/g	.43	+/- .0602	-	pCi/g
Radium-228	.23	+/- .0856	-	pCi/g	.22	+/- .081	-	pCi/g	.21	+/- .08	-	pCi/g
Strontium-90	.23		UJ	pCi/g	.20		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	.35		UJ	pCi/g	.40		UJ	pCi/g	.50		UJ	pCi/g
Thorium-227												
Thorium-228	.41	+/- .0677	-	pCi/g	.37	+/- .0652	-	pCi/g	.34	+/- .0649	-	pCi/g
Thorium-230	.33	+/- .113	-	pCi/g	.17	+/- .109	J	pCi/g	.19	+/- .109	J	pCi/g
Thorium-232	.21	+/- .0437	-	pCi/g	.21	+/- .0435	-	pCi/g	.18	+/- .041	-	pCi/g
Uranium, Total	4.81	+/- .264	-	ug/g	1.38	+/- .0771	-	ug/g	4.93	+/- .272	-	ug/g
Uranium-233/234												
Uranium-234	2.95	+/- .289	J	pCi/g	.52	+/- .0863	J	pCi/g	.65	+/- .0877	J	pCi/g
Uranium-235												
Uranium-235/236	.37	+/- .0649	J	pCi/g	.08	+/- .0343	J	pCi/g	.13	+/- .0344	J	pCi/g
Uranium-236												
Uranium-238	2.94	+/- .287	J	pCi/g	.49	+/- .0779	J	pCi/g	.53	+/- .0734	J	pCi/g

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	25H-002				25H-003				25H-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.00		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	1.00	+/- .3	J	pCi/g	.60	+/- .2	J	pCi/g	.60	+/- .2	J	pCi/g
Neptunium-237	-.03	+/- .136	UJ	pCi/g	.01	+/- .0747	UJ	pCi/g	.04	+/- .0662	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/g	.20		UJ	pCi/g	.20	+/- .2	R	pCi/g
Plutonium-239												
Plutonium-239/240	.10	+/- .1	J	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	2.00		UJ	pCi/g	.80		UJ	pCi/g	.70		UJ	pCi/g
Radium-226	1.10	+/- .2	J	pCi/g	.90	+/- .2	J	pCi/g	.70	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g	.20		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.40		UJ	pCi/g	1.30		UJ	pCi/g	1.30		UJ	pCi/g
Technetium-99	1.20	+/- .6	J	pCi/g	.60	+/- .5	J	pCi/g	.50		UJ	pCi/g
Thorium-227												
Thorium-228	.48	+/- .21	J	pCi/g	.35	+/- .22	J	pCi/g	.25	+/- .2	J	pCi/g
Thorium-230	.56	+/- .23	J	pCi/g	.97	+/- .31	J	pCi/g	.68	+/- .26	J	pCi/g
Thorium-232	.23	+/- .14	J	pCi/g	.21	+/- .15	J	pCi/g	.18	+/- .14	J	pCi/g
Uranium, Total	10.80	+/- 1.5	J	ug/g	1.80	+/- .3	J	ug/g	1.80	+/- .3	J	ug/g
Uranium-233/234												
Uranium-234	3.83	+/- .81	J	pCi/g	.49	+/- .21	J	pCi/g	.42	+/- .28	J	pCi/g
Uranium-235	.10	+/- .15	UJ	pCi/g	-.11	+/- .09	UJ	pCi/g	-.05	+/- .15	UJ	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	4.04	+/- .85	J	pCi/g	.52	+/- .2	J	pCi/g	.61	+/- .29	J	pCi/g

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	26C-003				26C-004				26C-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.00		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	4.10	+/- .7	J	pCi/g	1.20	+/- .4	J	pCi/g	.40	+/- .3	J	pCi/g
Neptunium-237	-.01	+/- .0317	UJ	pCi/g	-.01	+/- .0317	UJ	pCi/g	-.05	+/- .0286	UJ	pCi/g
Plutonium-238	-.05	+/- .09	UJ	pCi/g	-.05	+/- .09	UJ	pCi/g	-.05	+/- .09	UJ	pCi/g
Plutonium-239	.02	+/- .03	UJ	pCi/g	.02	+/- .04	UJ	pCi/g	.02	+/- .03	UJ	pCi/g
Plutonium-239/240												
Plutonium-241												
Polonium-210	.80	+/- .2	-	pCi/g	.70	+/- .2	-	pCi/g	.70	+/- .2	-	pCi/g
Radium-226	.60	+/- .2	-	pCi/g	.70	+/- .2	-	pCi/g	.60	+/- .1	-	pCi/g
Radium-228	.40	+/- .3	-	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.30	+/- .1	J	pCi/g	.27	+/- .11	J	pCi/g	.26	+/- .1	J	pCi/g
Thorium-230	1.01	+/- .22	J	pCi/g	.56	+/- .17	J	pCi/g	.62	+/- .17	J	pCi/g
Thorium-232	.37	+/- .1	J	pCi/g	.23	+/- .09	J	pCi/g	.24	+/- .09	J	pCi/g
Uranium, Total	19.80	+/- 2.8	J	ug/g	3.50	+/- .5	J	ug/g	3.50	+/- .5	J	ug/g
Uranium-233/234												
Uranium-234	6.59	+/- 1.27	J	pCi/g	.72	+/- .14	J	pCi/g	.46	+/- .1	J	pCi/g
Uranium-235	.74	+/- .23	J	pCi/g	.05	+/- .03	J	pCi/g	.06	+/- .03	J	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	7.80	+/- 1.48	J	pCi/g	.97	+/- .17	J	pCi/g	.57	+/- .11	J	pCi/g

000279

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Radionuclides

Material:	MASONRY CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	26C-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.07		UJ	pCi/g
Lead-210	.40	+/- .3	J	pCi/g
Neptunium-237	-.03	+/- .0263	UJ	pCi/g
Plutonium-238	-.06	+/- .09	UJ	pCi/g
Plutonium-239	.02	+/- .03	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	.90	+/- .2	J	pCi/g
Radium-226	.70	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.20	+/- .3	R	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.30	+/- .09	J	pCi/g
Thorium-230	.68	+/- .17	J	pCi/g
Thorium-232	.31	+/- .09	J	pCi/g
Uranium, Total	8.80	+/- 1.2	J	ug/g
Uranium-233/234				
Uranium-234	2.56	+/- .43	J	pCi/g
Uranium-235	.14	+/- .06	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	3.10	+/- .5	J	pCi/g

000300

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 28A - Security Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	28A-003				28A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.50	+/- .3	J	pCi/g	.60	+/- .3	J	pCi/g
Neptunium-237	-.03	+/- .0287	UJ	pCi/g	-.02	+/- .0307	UJ	pCi/g
Plutonium-238	-.14	+/- .09	UJ	pCi/g	-.05	+/- .09	UJ	pCi/g
Plutonium-239	.00	+/- .03	UJ	pCi/g	.02	+/- .03	UJ	pCi/g
Plutonium-239/240								
Plutonium-241								
Polonium-210	8.10	+/- 1.2	-	pCi/g	.70	+/- .2	J	pCi/g
Radium-226	.70	+/- .2	-	pCi/g	.80	+/- .2	-	pCi/g
Radium-228	.30		UJ	pCi/g	.20	+/- .2	J	pCi/g
Strontium-90	.30		UJ	pCi/g	.50	+/- .3	J	pCi/g
Technetium-99	.30		UJ	pCi/g	.30		UJ	pCi/g
Thorium-227								
Thorium-228	.27	+/- .1	J	pCi/g	.36	+/- .11	J	pCi/g
Thorium-230	.65	+/- .19	J	pCi/g	.65	+/- .18	J	pCi/g
Thorium-232	.24	+/- .09	J	pCi/g	.28	+/- .09	J	pCi/g
Uranium, Total	2.90	+/- .4	J	ug/g	2.10	+/- .3	J	ug/g
Uranium-233/234								
Uranium-234	1.08	+/- .19	J	pCi/g	.49	+/- .11	J	pCi/g
Uranium-235	.14	+/- .05	J	pCi/g	.05	+/- .03	J	pCi/g
Uranium-235/236								
Uranium-236								
Uranium-238	.90	+/- .16	J	pCi/g	.62	+/- .12	J	pCi/g

000281

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Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 30A - Chemical Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				2				3			
Sample:	30A-003				30A-006				30A-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/g	.16		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.04		UJ	pCi/g	.23	+/- .0432	J	pCi/g
Lead-210	2.01		UJ	pCi/g	1.35		UJ	pCi/g	1.34	+/- .704	J	pCi/g
Neptunium-237	.13		UJ	pCi/g	.08		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.00	+/- .00326	J	pCi/g	.02	+/- .0118	J	pCi/g
Plutonium-239												
Plutonium-239/240	.01		UJ	pCi/g	.01		UJ	pCi/g	.02	+/- .0104	J	pCi/g
Plutonium-241									.66		UJ	pCi/g
Polonium-210	.27	+/- .122	-	pCi/g	.32	+/- .0779	-	pCi/g	.54	+/- .226	-	pCi/g
Radium-226	.42	+/- .0617	-	pCi/g	.56	+/- .0836	-	pCi/g	.52	+/- .0715	J	pCi/g
Radium-228	.21	+/- .0871	-	pCi/g	.20	+/- .108	J	pCi/g	.30	+/- .0997	J	pCi/g
Strontium-90	.23		UJ	pCi/g	.20		UJ	pCi/g	2.37		UJ	pCi/g
Technetium-99	.38	+/- .249	J	pCi/g	1.98	+/- .405	-	pCi/g	1.64	+/- .44	-	pCi/g
Thorium-227												
Thorium-228	.38	+/- .0672	-	pCi/g	.34	+/- .0613	-	pCi/g	.36	+/- .0514	J	pCi/g
Thorium-230	.26	+/- .0879	-	pCi/g	.34	+/- .111	-	pCi/g	1.07	+/- .135	J	pCi/g
Thorium-232	.21	+/- .0421	-	pCi/g	.19	+/- .0404	-	pCi/g	.27	+/- .0396	-	pCi/g
Uranium, Total	18.00	+/- 1.13	-	ug/g	249.00	+/- 15.1	-	ug/g	59.10	+/- 3.6	-	ug/g
Uranium-233/234												
Uranium-234	7.80	+/- .699	-	pCi/g	142.00	+/- 15.1	J	pCi/g	18.20	+/- 1.61	J	pCi/g
Uranium-235												
Uranium-235/236	.83	+/- .11	-	pCi/g	28.00	+/- 3.57	J	pCi/g	2.04	+/- .232	J	pCi/g
Uranium-236												
Uranium-238	8.77	+/- .779	-	pCi/g	162.00	+/- 17.2	J	pCi/g	22.90	+/- 2.01	J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	31A-003				31A-004				31A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/g	.12		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.01		UJ	pCi/g	.01		UJ	pCi/g
Lead-210	1.40	+/- .35	-	pCi/g	.48		UJ	pCi/g	.43	+/- .27	J	pCi/g
Neptunium-237	.16		UJ	pCi/g	.07		UJ	pCi/g	.11		UJ	pCi/g
Plutonium-238	.11		UJ	pCi/g	.11		UJ	pCi/g	.14		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.07		UJ	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241												
Polonium-210	.58	+/- .34	J	pCi/g	.54	+/- .32	J	pCi/g	.45	+/- .24	J	pCi/g
Radium-226	.66	+/- .077	-	pCi/g	.39	+/- .034	-	pCi/g	.34	+/- .04	-	pCi/g
Radium-228	.31	+/- .23	J	pCi/g	.26	+/- .1	-	pCi/g	.19	+/- .098	-	pCi/g
Strontium-90	5.50	+/- 1.2	J	pCi/g	.40		UJ	pCi/g	3.00	+/- .72	-	pCi/g
Technetium-99	1.00	+/- .37	J	pCi/g	.22		UJ	pCi/g	.23		UJ	pCi/g
Thorium-227												
Thorium-228	3.10	+/- .48	-	pCi/g	.25	+/- .17	J	pCi/g	.61	+/- .25	-	pCi/g
Thorium-230	1.70	+/- .3	J	pCi/g	.36	+/- .13	J	pCi/g	.50	+/- .21	J	pCi/g
Thorium-232	.29	+/- .11	-	pCi/g	.15	+/- .086	J	pCi/g	.16	+/- .11	J	pCi/g
Uranium, Total	89.00	+/- 6.7	-	ug/g	5.76	+/- .36	-	ug/g	1.60	+/- .042	-	ug/g
Uranium-233/234												
Uranium-234	47.00	+/- 5.8	J	pCi/g	1.63	+/- .333	J	pCi/g	.53	+/- .15	J	pCi/g
Uranium-235												
Uranium-235/236	2.00	+/- .56	J	pCi/g	.09		UJ	pCi/g	.06		UJ	pCi/g
Uranium-236												
Uranium-238	49.00	+/- 6	-	pCi/g	1.30	+/- .288	-	pCi/g	.48	+/- .14	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Radionuclides

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	31A-006

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	1.60	+/- .45	-	pCi/g
Neptunium-237	.08		UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.08		UJ	pCi/g
Plutonium-241				
Polonium-210	1.00	+/- .36	-	pCi/g
Radium-226	.79	+/- .08	-	pCi/g
Radium-228	.78	+/- .33	-	pCi/g
Strontium-90	13.00	+/- 2.6	-	pCi/g
Technetium-99	2.80	+/- .42	-	pCi/g
Thorium-227				
Thorium-228	.70	+/- .2	J	pCi/g
Thorium-230	2.00	+/- .24	J	pCi/g
Thorium-232	.51	+/- .12	J	pCi/g
Uranium, Total	300.00	+/- 19	-	ug/g
Uranium-233/234				
Uranium-234	50.00	+/- 7.2	J	pCi/g
Uranium-235				
Uranium-235/236	3.40	+/- 1	J	pCi/g
Uranium-236				
Uranium-238	83.00	+/- 12	J	pCi/g

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 32B - Building 32 Covered Loading Dock
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	32B-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.01		NV	pCi/g
Cesium-137	.04		NV	pCi/g
Lead-210	4.66		NV	pCi/g
Neptunium-237	.03		NV	pCi/g
Plutonium-238	.00		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.00		NV	pCi/g
Plutonium-241				
Polonium-210	.41		NV	pCi/g
Radium-226	.46		NV	pCi/g
Radium-228	.29		NV	pCi/g
Strontium-90	.11		NV	pCi/g
Technetium-99	.13		NV	pCi/g
Thorium-227				
Thorium-228	.44		NV	pCi/g
Thorium-230	.25		NV	pCi/g
Thorium-232	.31		NV	pCi/g
Uranium, Total	14.20		NV	ug/g
Uranium-233/234				
Uranium-234	6.27		NV	pCi/g
Uranium-235				
Uranium-235/236	.81		NV	pCi/g
Uranium-236				
Uranium-238	7.40		NV	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	37-003				37-003R				37-004R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241					.09		UJ	pCi/g	.22		J	pCi/g
Cesium-137					.20		UJ	pCi/g	.10		UJ	pCi/g
Lead-210					5.50	+/- 2.2	J	pCi/g	1.00	+/- .7	J	pCi/g
Neptunium-237	.06		NV	pCi/g	.40		UJ	pCi/g	.26		J	pCi/g
Plutonium-238	.55		NV	pCi/g	1.40		J	pCi/g	6.00		J	pCi/g
Plutonium-239	.09		NV	pCi/g	.06		J	pCi/g				
Plutonium-239/240									.09		J	pCi/g
Plutonium-241					1.80		UJ	pCi/g	3.60		J	pCi/g
Polonium-210					.24		J	pCi/g	.19		J	pCi/g
Radium-226					4.30	+/- .6	J	pCi/g	2.50	+/- .4	J	pCi/g
Radium-228					1.70	+/- .8	J	pCi/g	.70	+/- .4	J	pCi/g
Strontium-90					1.50		UJ	pCi/g	1.40		UJ	pCi/g
Technetium-99					4.30	+/- .8	J	pCi/g	2.90	+/- .6	J	pCi/g
Thorium-227												
Thorium-228	5.30		NV	pCi/g	2.31	+/- .3925	J	pCi/g	.95		J	pCi/g
Thorium-230	200.00		NV	pCi/g	3.01	+/- .4813	J	pCi/g	.94		J	pCi/g
Thorium-232	6.30		NV	pCi/g	1.31	+/- .2281	J	pCi/g	1.00		J	pCi/g
Uranium, Total	1.03		NV	ug/g	1240.00	+/- 175	J	ug/g	180.00	+/- 25.4	J	ug/g
Uranium-233/234												
Uranium-234	.00		NV	Wt.% (	290.00		J	pCi/g	60.00		J	pCi/g
Uranium-235	.54		NV	Wt.% (	22.00		J	pCi/g				
Uranium-235/236									5.50		J	pCi/g
Uranium-236	.00		NV	Wt.% (								
Uranium-238	99.46		NV	Wt.% (	320.00		J	pCi/g	62.00		J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	2				2				3			
Sample:	37-007R				37-009R				37-010R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.17		J	pCi/g	.07		UJ	pCi/g	.07		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	6.80	+/- 2.7	J	pCi/g	.30	+/- .6	R	pCi/g	1.70	+/- .9	J	pCi/g
Neptunium-237	.28		J	pCi/g	.19		J	pCi/g	.12		J	pCi/g
Plutonium-238	2.90		J	pCi/g	.10		J	pCi/g	.72		J	pCi/g
Plutonium-239												
Plutonium-239/240	.07		J	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241	3.60		J	pCi/g	3.30		UJ	pCi/g	3.10		J	pCi/g
Polonium-210	.22		J	pCi/g	.70	+/- .4	J	pCi/g	.28		J	pCi/g
Radium-226	8.00	+/- 1.1	J	pCi/g	1.60	+/- .3	J	pCi/g	4.60	+/- .7	J	pCi/g
Radium-228	3.40	+/- 1.5	J	pCi/g	.40	+/- .4	J	pCi/g	1.50	+/- .7	J	pCi/g
Strontium-90	2.40	+/- 2	J	pCi/g	1.70		UJ	pCi/g	1.40		UJ	pCi/g
Technetium-99	2.90	+/- .6	J	pCi/g	.30		UJ	pCi/g	1.60	+/- .4	J	pCi/g
Thorium-227												
Thorium-228	3.70		J	pCi/g	.30		J	pCi/g	1.30		UJ	pCi/g
Thorium-230	2.30		J	pCi/g	.62		J	pCi/g	4.60		UJ	pCi/g
Thorium-232	3.90		J	pCi/g	.28		J	pCi/g	1.30		UJ	pCi/g
Uranium, Total	645.00	+/- 91.1	J	ug/g	6.60	+/- .9	J	ug/g	585.00	+/- 82.7	J	ug/g
Uranium-233/234												
Uranium-234	280.00		J	pCi/g	1.80		J	pCi/g	1202.00		J	pCi/g
Uranium-235												
Uranium-235/236	19.00		J	pCi/g	.14		J	pCi/g	7.70		J	pCi/g
Uranium-236												
Uranium-238	240.00		J	pCi/g	1.70		J	pCi/g	120.00		J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	3				4				4			
Sample:	37-011R				37-013R				37-014R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/g	.37		J	pCi/g	.07		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	2.30	+/- 1.1	J	pCi/g	2.30	+/- .4	J	pCi/g	1.00	+/- .2	J	pCi/g
Neptunium-237	.23		J	pCi/g	.33		J	pCi/g	.21		J	pCi/g
Plutonium-238	.07		UJ	pCi/g	7.20		J	pCi/g	.07		J	pCi/g
Plutonium-239												
Plutonium-239/240	.05		UJ	pCi/g	.22		J	pCi/g	.05		UJ	pCi/g
Plutonium-241	3.80		J	pCi/g	3.80		J	pCi/g	2.40		UJ	pCi/g
Polonium-210	.08		UJ	pCi/g	.23		J	pCi/g	.26		J	pCi/g
Radium-226	.90	+/- .2	J	pCi/g	3.40	+/- .4	-	pCi/g	.60	+/- .1	-	pCi/g
Radium-228	.30		UJ	pCi/g	7.30	+/- 1.1	J	pCi/g	.30	+/- .2	J	pCi/g
Strontium-90	1.90		UJ	pCi/g	.40		UJ	pCi/g	.50		UJ	pCi/g
Technetium-99	1.60	+/- .4	J	pCi/g	8.50	+/- 1.9	J	pCi/g	1.30	+/- .5	J	pCi/g
Thorium-227												
Thorium-228	.36		UJ	pCi/g	8.90		J	pCi/g	.35		UJ	pCi/g
Thorium-230	1.20		UJ	pCi/g	3.10		J	pCi/g	1.10		UJ	pCi/g
Thorium-232	.37		UJ	pCi/g	8.10		J	pCi/g	.36		UJ	pCi/g
Uranium, Total	377.00	+/- 53.3	J	ug/g	971.00	+/- 138	J	ug/g	272.00	+/- 38.5	J	ug/g
Uranium-233/234												
Uranium-234	160.00		J	pCi/g	360.00		J	pCi/g	89.00		J	pCi/g
Uranium-235												
Uranium-235/236	130.00		J	pCi/g	31.00		J	pCi/g	7.40		J	pCi/g
Uranium-236												
Uranium-238	120.00		J	pCi/g	410.00		J	pCi/g	98.00		J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	4				5				5			
Sample:	37-015R DUP				37-018R				37-020R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/g	.09		J	pCi/g	.11		J	pCi/g
Cesium-137	.10		UJ	pCi/g	.20		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	2.30	+/- .4	J	pCi/g	10.30	+/- 1.6	J	pCi/g	1.40	+/- .9	J	pCi/g
Neptunium-237	-.01	+/- .0143	UJ	pCi/g	.17		J	pCi/g	.23		J	pCi/g
Plutonium-238	.06	+/- .1826	UJ	pCi/g	1.50		J	pCi/g	.54		J	pCi/g
Plutonium-239									.12		NV	pCi/g
Plutonium-239/240	.10		UJ	pCi/g	.05		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241			NV	pCi/g	2.40		J	pCi/g	2.50		UJ	pCi/g
Polonium-210	1.10	+/- .3	J	pCi/g	.17		J	pCi/g	.22		J	pCi/g
Radium-226	.50	+/- .1	-	pCi/g	1.50	+/- .2	-	pCi/g	2.70	+/- .4	J	pCi/g
Radium-228	.50	+/- .2	J	pCi/g	1.30	+/- .3	J	pCi/g	.80	+/- .5	J	pCi/g
Strontium-90	.70		UJ	pCi/g	.50		UJ	pCi/g	1.50		UJ	pCi/g
Technetium-99	1.20	+/- .5	J	pCi/g	16.50	+/- 3.5	J	pCi/g	.30	+/- .2	J	pCi/g
Thorium-227												
Thorium-228	.28	+/- .2001	J	pCi/g	13.00		UJ	pCi/g	.86		J	pCi/g
Thorium-230	.40	+/- .2226	J	pCi/g	45.00		UJ	pCi/g	1.40		J	pCi/g
Thorium-232	.15	+/- .157	J	pCi/g	17.00		UJ	pCi/g	.69		J	pCi/g
Uranium, Total	334.00	+/- 47.3	J	ug/g	2210.00	+/- 314	J	ug/g	136.00	+/- 19.2	J	ug/g
Uranium-233/234												
Uranium-234	861.30	+/- 178.9	J	pCi/g	770.00		J	pCi/g	71.00		J	pCi/g
Uranium-235												
Uranium-235/236	115.50	+/- 34.44	J	pCi/g	60.00		J	pCi/g	9.70		J	pCi/g
Uranium-236												
Uranium-238	938.60	+/- 192.6	J	pCi/g	560.00		J	pCi/g	50.00		J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	6				6				7			
Sample:	37-021R				37-022R				37-027R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.25		NV	pCi/g	.00		NV	pCi/g	.08		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	4.10	+/- 1.7	J	pCi/g	.60	+/- .7	R	pCi/g	1.80	+/- .7	J	pCi/g
Neptunium-237	.29		NV	pCi/g	.18		NV	pCi/g	.24		J	pCi/g
Plutonium-238	.26		NV	pCi/g	.03		NV	pCi/g	.79		J	pCi/g
Plutonium-239												
Plutonium-239/240	.12		NV	pCi/g	.03		NV	pCi/g	.23		J	pCi/g
Plutonium-241	4.33		NV	pCi/g	1.69		NV	pCi/g	2.40		UJ	pCi/g
Polonium-210	.23		NV	pCi/g	.21		NV	pCi/g	.47		J	pCi/g
Radium-226	9.20	+/- 1.2	J	pCi/g	1.50	+/- .3	J	pCi/g	1.50	+/- .2	J	pCi/g
Radium-228	4.40	+/- 1.9	J	pCi/g	.20	+/- .3	R	pCi/g	2.30	+/- .4	J	pCi/g
Strontium-90	1.60	+/- 1.9	J	pCi/g	1.40		UJ	pCi/g	.40		UJ	pCi/g
Technetium-99	15.70	+/- 2.6	J	pCi/g	.30		UJ	pCi/g	15.80	+/- 3.3	J	pCi/g
Thorium-227												
Thorium-228	4.64		NV	pCi/g	.29		NV	pCi/g	1.80		J	pCi/g
Thorium-230	6.73		NV	pCi/g	.80		NV	pCi/g	1.30		J	pCi/g
Thorium-232	3.60		NV	pCi/g	.31		NV	pCi/g	1.40		J	pCi/g
Uranium, Total	1010.00	+/- 143	J	ug/g	40.80	+/- 5.8	J	ug/g	815.00	+/- 116	J	ug/g
Uranium-233/234												
Uranium-234	454.00		NV	pCi/g	11.10		NV	pCi/g	210.00		J	pCi/g
Uranium-235												
Uranium-235/236	39.40		NV	pCi/g	.70		NV	pCi/g	20.00		J	pCi/g
Uranium-236												
Uranium-238	454.00		NV	pCi/g	11.10		NV	pCi/g	200.00		J	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	7				7				7			
Sample:	37-028R DUP				37-033R				37-035R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.30	+/- .3	J	pCi/g	.46		J	pCi/g	.04		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.30		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	.70	+/- .2	J	pCi/g	69.10	+/- 10.4	J	pCi/g	1.10	+/- .2	J	pCi/g
Neptunium-237	.13	+/- .0445	J	pCi/g	.26		J	pCi/g	.03		NV	pCi/g
Plutonium-238	.57	+/- .2794	J	pCi/g	8.70		J	pCi/g	2.73		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.10	+/- .1	J	pCi/g	.21		J	pCi/g	.32		NV	pCi/g
Plutonium-241			NV	pCi/g	13.00		J	pCi/g	1.80		NV	pCi/g
Polonium-210	1.90	+/- .4	J	pCi/g	1.10		J	pCi/g	.56		NV	pCi/g
Radium-226	1.30	+/- .2	-	pCi/g	3.40	+/- .4	-	pCi/g	2.50	+/- .3	-	pCi/g
Radium-228	1.80	+/- .3	J	pCi/g	4.30	+/- .7	J	pCi/g	5.10	+/- .8	J	pCi/g
Strontium-90	.50		UJ	pCi/g	.90	+/- .6	J	pCi/g	.70		UJ	pCi/g
Technetium-99	21.10	+/- 4.4	J	pCi/g	22.20	+/- 4.6	J	pCi/g	.80	+/- .4	J	pCi/g
Thorium-227												
Thorium-228	1.56	+/- .4799	J	pCi/g	11.00		UJ	pCi/g	8.95		NV	pCi/g
Thorium-230	1.46	+/- .4679	J	pCi/g	46.00		UJ	pCi/g	3.06		NV	pCi/g
Thorium-232	1.15	+/- .3792	J	pCi/g	13.00		UJ	pCi/g	5.51		NV	pCi/g
Uranium, Total	683.00	+/- 96.7	J	ug/g	9130.00	+/- 1290	J	ug/g	790.00	+/- 112	J	ug/g
Uranium-233/234												
Uranium-234	284.70	+/- 62.87	J	pCi/g	4400.00		J	pCi/g	60.60		NV	pCi/g
Uranium-235												
Uranium-235/236	76.04	+/- 19.17	J	pCi/g	350.00		J	pCi/g	6.75		NV	pCi/g
Uranium-236												
Uranium-238	293.60	+/- 64.59	J	pCi/g	3200.00		J	pCi/g	216.00		NV	pCi/g

000291

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Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	39A-003				39A-004				39A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.09		UJ	pCi/g	.09		UJ	pCi/g	.09		UJ	pCi/g
Lead-210	1.90	+/- .85	J	pCi/g	1.30	+/- .55	J	pCi/g	.88	+/- .44	J	pCi/g
Neptunium-237	.05	+/- .042	J	pCi/g	.04		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g	.00	+/- .32	UJ	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.03		UJ	pCi/g	.03		UJ	pCi/g
Plutonium-241	1.90		UJ	pCi/g	1.90		UJ	pCi/g	1.90		UJ	pCi/g
Polonium-210	4.40	+/- 1.7	-	pCi/g	1.40	+/- .97	J	pCi/g	.46	+/- .93	J	pCi/g
Radium-226	1.40	+/- .39	-	pCi/g	.77	+/- .25	-	pCi/g	.47	+/- .19	-	pCi/g
Radium-228	.48		UJ	pCi/g	.40		UJ	pCi/g	.38		UJ	pCi/g
Strontium-90	.08		UJ	pCi/g	.09		UJ	pCi/g	.08		UJ	pCi/g
Technetium-99	1.00	+/- .52	J	pCi/g	.85	+/- .52	J	pCi/g	.62		UJ	pCi/g
Thorium-227	.39	+/- 1	J	pCi/g	.40	+/- .75	J	pCi/g	.16	+/- .83	J	pCi/g
Thorium-228	.47	+/- .41	J	pCi/g	.36	+/- .31	J	pCi/g	.26	+/- .34	J	pCi/g
Thorium-230	9.80	+/- 1.5	-	pCi/g	4.70	+/- .78	-	pCi/g	1.00	+/- .38	-	pCi/g
Thorium-232	.40	+/- .41	J	pCi/g	.27	+/- .31	J	pCi/g	.20	+/- .34	J	pCi/g
Uranium, Total	88.00	+/- 20	J	ug/g	18.00	+/- 4	J	ug/g	5.30	+/- 1	J	ug/g
Uranium-233/234												
Uranium-234	47.00	+/- 7.1	-	pCi/g	14.00	+/- 2.1	-	pCi/g	2.40	+/- .57	-	pCi/g
Uranium-235												
Uranium-235/236	2.90	+/- .67	-	pCi/g	.87	+/- .43	-	pCi/g	.14	+/- .4	J	pCi/g
Uranium-236												
Uranium-238	50.00	+/- 7.5	-	pCi/g	15.00	+/- 2.3	-	pCi/g	2.80	+/- .62	-	pCi/g

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Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	39A-007				39A-008 DUP				39A-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	11.00	+/- 2.6	-	pCi/g	12.00	+/- 2.7	-	pCi/g	.66	+/- 1.4	J	pCi/g
Cesium-137	16.00	+/- 4	-	pCi/g	15.00	+/- 3.7	-	pCi/g	.66		UJ	pCi/g
Lead-210	810.00	+/- 160	-	pCi/g	700.00	+/- 130	-	pCi/g	200.00	+/- 420	-	pCi/g
Neptunium-237	.96	+/- .24	J	pCi/g	4.20	+/- .71	J	pCi/g	.86	+/- .16	J	pCi/g
Plutonium-238	.05		UJ	pCi/g	.02	+/- .62	J	pCi/g	.05		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.08		UJ	pCi/g	.07		UJ	pCi/g	.12	+/- .36	J	pCi/g
Plutonium-241	22.00	+/- 6.8	J	pCi/g	6.80	+/- 5.1	J	pCi/g	1.30		UJ	pCi/g
Polonium-210	160.00	+/- 850	J	pCi/g	210.00	+/- 1700	J	pCi/g	670.00	+/- 120	-	pCi/g
Radium-226	2500.00	+/- 590	-	pCi/g	2300.00	+/- 550	-	pCi/g	440.00	+/- 110	-	pCi/g
Radium-228	62.00	+/- 16	-	pCi/g	59.00	+/- 15	-	pCi/g	41.00	+/- 10	-	pCi/g
Strontium-90	.08		UJ	pCi/g	.09		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	4.50	+/- .73	-	pCi/g	4.10	+/- .7	-	pCi/g	7.30	+/- 3.2	-	pCi/g
Thorium-227	34.00	+/- 5.3	J	pCi/g	47.00	+/- 6.9	J	pCi/g	80.00	+/- 13	-	pCi/g
Thorium-228	19.00	+/- 2.9	-	pCi/g	22.00	+/- 3.3	-	pCi/g	36.00	+/- 5.8	-	pCi/g
Thorium-230	650.00	+/- 95	-	pCi/g	740.00	+/- 110	-	pCi/g	4100.00	+/- 610	-	pCi/g
Thorium-232	19.00	+/- 2.9	-	pCi/g	20.00	+/- 3.1	-	pCi/g	40.00	+/- 6.3	-	pCi/g
Uranium, Total	110.00	+/- 20	J	ug/g	190.00	+/- 40	J	ug/g	620.00	+/- 100	-	ug/g
Uranium-233/234												
Uranium-234	150.00	+/- 22	-	pCi/g	160.00	+/- 25	-	pCi/g	320.00	+/- 47	J	pCi/g
Uranium-235												
Uranium-235/236	11.00	+/- 2.6	-	pCi/g	10.00	+/- 2.6	-	pCi/g	23.00	+/- 5.2	J	pCi/g
Uranium-236												
Uranium-238	160.00	+/- 24	-	pCi/g	180.00	+/- 26	-	pCi/g	320.00	+/- 47	J	pCi/g

000293

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Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	2				2				3			
Sample:	39A-020				39A-022				39A-024			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.21	+/- .9	J	pCi/g	.19	+/- 1.3	J	pCi/g	.18	+/- .88	J	pCi/g
Cesium-137	.16		UJ	pCi/g	.31		UJ	pCi/g	.20		UJ	pCi/g
Lead-210	3.50	+/- 1.5	-	pCi/g	16.00	+/- 4.6	-	pCi/g	7.80	+/- 2.2	-	pCi/g
Neptunium-237	.07		UJ	pCi/g	.04		UJ	pCi/g	.05	+/- .044	J	pCi/g
Plutonium-238	.02		UJ	pCi/g	.04		UJ	pCi/g	.04	+/- .31	J	pCi/g
Plutonium-239												
Plutonium-239/240	.05	+/- .33	J	pCi/g	.06	+/- .36	J	pCi/g	.32	+/- .32	J	pCi/g
Plutonium-241	45.00	+/- 8.1	J	pCi/g	1.40		UJ	pCi/g	5.80	+/- 2.8	J	pCi/g
Polonium-210	22.00	+/- 14	J	pCi/g	34.00	+/- 1.4	-	pCi/g	19.00	+/- 14	J	pCi/g
Radium-226	11.00	+/- 2.6	-	pCi/g	35.00	+/- 8.8	-	pCi/g	13.00	+/- 3.1	-	pCi/g
Radium-228	1.60	+/- .61	-	pCi/g	6.40	+/- 1.9	-	pCi/g	1.20	+/- .67	J	pCi/g
Strontium-90	.08		UJ	pCi/g	.15		UJ	pCi/g	.09		UJ	pCi/g
Technetium-99	8.20	+/- 1.1	-	pCi/g	3.60		UJ	pCi/g	26.00	+/- 3	-	pCi/g
Thorium-227	1.70	+/- .84	J	pCi/g	3.60	+/- 3.7	J	pCi/g	1.90	+/- .84	J	pCi/g
Thorium-228	2.00	+/- .45	-	pCi/g	4.20	+/- 1.8	-	pCi/g	1.30	+/- .38	-	pCi/g
Thorium-230	160.00	+/- 23	-	pCi/g	220.00	+/- 33	-	pCi/g	75.00	+/- 11	-	pCi/g
Thorium-232	2.00	+/- .45	-	pCi/g	4.20	+/- 1.2	-	pCi/g	1.30	+/- .38	-	pCi/g
Uranium, Total	390.00	+/- 80	J	ug/g	550.00	+/- 100	J	ug/g	390.00	+/- 80	J	ug/g
Uranium-233/234												
Uranium-234	350.00	+/- 71	-	pCi/g	240.00	+/- 36	-	pCi/g	190.00	+/- 30	-	pCi/g
Uranium-235												
Uranium-235/236	12.00	+/- 42	J	pCi/g	16.00	+/- 4.6	-	pCi/g	12.00	+/- 9	J	pCi/g
Uranium-236												
Uranium-238	390.00	+/- .75	-	pCi/g	260.00	+/- 3.8	-	pCi/g	210.00	+/- 33	-	pCi/g

0023434

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	.5-1"				1-4"							
Process Area:	3				3				3			
Sample:	39A-025				39A-026				39A-028			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	.04		UJ	pCi/g	.51	+/- 1.3	J	pCi/g
Cesium-137	.09		UJ	pCi/g	.06		UJ	pCi/g	.50		UJ	pCi/g
Lead-210	1.30	+/- .62	J	pCi/g	.79	+/- .37	J	pCi/g	95.00	+/- 21	-	pCi/g
Neptunium-237	.08	+/- .047	J	pCi/g	.04	+/- .037	J	pCi/g	.30	+/- .082	J	pCi/g
Plutonium-238	.01	+/- .32	J	pCi/g	.01		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.04		UJ	pCi/g	.10	+/- .39	J	pCi/g
Plutonium-241	5.00	+/- 2.8	J	pCi/g	1.90		UJ	pCi/g	1.40		UJ	pCi/g
Polonium-210	3.50	+/- 1.4	-	pCi/g	.70	+/- 1	J	pCi/g	310.00	+/- 57	-	pCi/g
Radium-226	1.60	+/- .43	-	pCi/g	.39	+/- .16	-	pCi/g	220.00	+/- 54	-	pCi/g
Radium-228	.42		UJ	pCi/g	.30		UJ	pCi/g	29.00	+/- 7.4	-	pCi/g
Strontium-90	.08		UJ	pCi/g	.08		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	3.60	+/- .66	-	pCi/g	.62		UJ	pCi/g	4.10	+/- 3.1	J	pCi/g
Thorium-227	.20	+/- .95	J	pCi/g	.15	+/- .79	J	pCi/g	28.00	+/- 6.1	-	pCi/g
Thorium-228	.40	+/- .39	J	pCi/g	.19	+/- .32	J	pCi/g	26.00	+/- 4.4	-	pCi/g
Thorium-230	7.10	+/- 1.1	-	pCi/g	1.00	+/- .36	-	pCi/g	1500.00	+/- 220	-	pCi/g
Thorium-232	.31	+/- .39	J	pCi/g	.22	+/- .32	J	pCi/g	28.00	+/- 4.5	-	pCi/g
Uranium, Total	87.00	+/- 20	J	ug/g	13.00	+/- 3	J	ug/g	640.00	+/- 100	J	ug/g
Uranium-233/234												
Uranium-234	21.00	+/- 3.2	-	pCi/g	3.30	+/- .71	-	pCi/g	290.00	+/- 44	-	pCi/g
Uranium-235												
Uranium-235/236	1.60	+/- .65	-	pCi/g	.29	+/- .45	J	pCi/g	20.00	+/- 5.1	-	pCi/g
Uranium-236												
Uranium-238	23.00	+/- 3.5	-	pCi/g	3.70	+/- .75	-	pCi/g	300.00	+/- 45	-	pCi/g

000295

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Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	4				4			
Sample:	39A-030				39A-032			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.47	+/- .94	J	pCi/g	.15		UJ	pCi/g
Cesium-137	.35		UJ	pCi/g	.27		UJ	pCi/g
Lead-210	17.00	+/- 4.3	-	pCi/g	8.20	+/- 2.9	-	pCi/g
Neptunium-237	.66	+/- .14	J	pCi/g	.38	+/- .091	J	pCi/g
Plutonium-238	.14	+/- .35	J	pCi/g	.05	+/- .39	J	pCi/g
Plutonium-239								
Plutonium-239/240	.33	+/- .36	J	pCi/g	.46	+/- .4	J	pCi/g
Plutonium-241	2.10		UJ	pCi/g	1.40		UJ	pCi/g
Polonium-210	36.00	+/- 47	J	pCi/g	20.00	+/- 1.1	-	pCi/g
Radium-226	31.00	+/- 7.2	-	pCi/g	23.00	+/- 5.7	-	pCi/g
Radium-228	4.30	+/- 1.5	-	pCi/g	4.40	+/- 1.6	-	pCi/g
Strontium-90	.08		UJ	pCi/g	.14		UJ	pCi/g
Technetium-99	30.00	+/- 3.5	-	pCi/g	18.00	+/- 4	-	pCi/g
Thorium-227	5.70	+/- 1.4	J	pCi/g	3.30	+/- 3.8	J	pCi/g
Thorium-228	3.60	+/- .72	-	pCi/g	2.60	+/- 1.8	J	pCi/g
Thorium-230	330.00	+/- 48	-	pCi/g	170.00	+/- 25	-	pCi/g
Thorium-232	4.30	+/- .81	-	pCi/g	2.50	+/- 1.1	-	pCi/g
Uranium, Total	720.00	+/- 150	J	ug/g	350.00	+/- 70	-	ug/g
Uranium-233/234								
Uranium-234	440.00	+/- 67	-	pCi/g	150.00	+/- 22	-	pCi/g
Uranium-235								
Uranium-235/236	33.00	+/- 10	-	pCi/g	11.00	+/- 3	-	pCi/g
Uranium-236								
Uranium-238	490.00	+/- 73	-	pCi/g	170.00	+/- 25	-	pCi/g

000256

Appendix L.2 - Major Media
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	39B-002				39B-003				39B-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.03		NV	pCi/g	.10	+/- .1	UJ	pCi/g	.10	+/- .1	UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.10		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	1.40	+/- .3	J	pCi/g	.60	+/- .2	J	pCi/g	.60	+/- .2	J	pCi/g
Neptunium-237	.26		NV	pCi/g	-.01	+/- .0576	UJ	pCi/g	.02	+/- .03458	U	pCi/g
Plutonium-238	.05		NV	pCi/g	.20	+/- .2	UJ	pCi/g	.20	+/- .2	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.55		NV	pCi/g	.10	+/- .1	UJ	pCi/g	.10	+/- .1	UJ	pCi/g
Plutonium-241	1.26		NV	pCi/g								
Polonium-210	.46		NV	pCi/g	1.00	+/- .2	-	pCi/g	1.60	+/- .3	-	pCi/g
Radium-226	1.50	+/- .3	J	pCi/g	1.20	+/- .2	J	pCi/g	1.20	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	1.50		UJ	pCi/g	.30		UJ	pCi/g	.90	+/- .9	J	pCi/g
Technetium-99	7.40	+/- 3.9	J	pCi/g	.80	+/- .6	J	pCi/g	.60		UJ	pCi/g
Thorium-227												
Thorium-228	.53		NV	pCi/g	.18	+/- .23	UJ	pCi/g	.35	+/- .24	J	pCi/g
Thorium-230	1.34		NV	pCi/g	.30	+/- .38	J	pCi/g	.20	+/- .38	UJ	pCi/g
Thorium-232	.27		NV	pCi/g	.18	+/- .2	J	pCi/g	.12	+/- .2	UJ	pCi/g
Uranium, Total	159.00	+/- 22.5	-	ug/g	9.70	+/- 1.4	-	ug/g	4.30	+/- .6	-	ug/g
Uranium-233/234												
Uranium-234	56.60		NV	pCi/g								
Uranium-235												
Uranium-235/236	7.08		NV	pCi/g								
Uranium-236												
Uranium-238	46.10		NV	pCi/g								

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant Incinerator
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	39D-003R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.40		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	4.20	+/- 1.7	J	pCi/g
Neptunium-237	-1.18	+/- .369	UJ	pCi/g
Plutonium-238	.10	+/- .1659	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.00	+/- .08484	UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	.60	+/- .4	J	pCi/g
Radium-226	1.50	+/- .3	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.40		UJ	pCi/g
Technetium-99	.80	+/- .3	J	pCi/g
Thorium-227				
Thorium-228	.18	+/- .1807	J	pCi/g
Thorium-230	3.12	+/- .5078	J	pCi/g
Thorium-232	.16	+/- .0998	J	pCi/g
Uranium, Total	647.00	+/- 91.5	J	ug/g
Uranium-233/234				
Uranium-234	207.70	+/- 28.75	J	pCi/g
Uranium-235				
Uranium-235/236	14.45	+/- 2.739	J	pCi/g
Uranium-236				
Uranium-238	212.90	+/- 29.34	J	pCi/g

000238

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	45A-003				45A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.05	+/- .27	J	pCi/g	.18		U	pCi/g
Cesium-137	.09	+/- .079	J	pCi/g	.34	+/- .18	J	pCi/g
Lead-210	.91		UJ	pCi/g	1.20		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-238	.02	+/- .32	J	pCi/g	.09		U	pCi/g
Plutonium-239								
Plutonium-239/240	.03	+/- .32	J	pCi/g	.10		U	pCi/g
Plutonium-241	-.66	+/- .99	UJ	pCi/g	13.00		UJ	pCi/g
Polonium-210	.35	+/- .79	J	pCi/g	.59	+/- 2.1	J	pCi/g
Radium-226	.51	+/- .21	-	pCi/g	.35		UJ	pCi/g
Radium-228	.56	+/- .31	J	pCi/g	.54		UJ	pCi/g
Strontium-90	.42	+/- .14	-	pCi/g	.10		UJ	pCi/g
Technetium-99	4.60	+/- .71	-	pCi/g	2.70		U	pCi/g
Thorium-227					.42	+/- 4.8	J	pCi/g
Thorium-228	.68		UJ	pCi/g	.29		UJ	pCi/g
Thorium-230	2.10	+/- 4.5	J	pCi/g	1.90	+/- 2.7	J	pCi/g
Thorium-232	.54	+/- 4.5	J	pCi/g	.13	+/- 2.5	J	pCi/g
Uranium, Total	510.00	+/- 100	J	ug/g	140.00	+/- 30	J	ug/g
Uranium-233/234								
Uranium-234	140.00	+/- 23	-	pCi/g	47.00	+/- 17	J	pCi/g
Uranium-235								
Uranium-235/236	11.00	+/- 8.1	-	pCi/g	2.60	+/- 15	J	pCi/g
Uranium-236								
Uranium-238	190.00	+/- 29	J	pCi/g	45.00	+/- 17	J	pCi/g

Appendix L.2 - Major Media
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	46-003				46-004				46-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.11		UJ	pCi/g	.12		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.02		UJ	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Lead-210	.60	+/- .43	J	pCi/g	.58	+/- .29	-	pCi/g	.46	+/- .25	J	pCi/g
Neptunium-237	.11		UJ	pCi/g	.09		UJ	pCi/g	.13		UJ	pCi/g
Plutonium-238	.12		UJ	pCi/g	.15		UJ	pCi/g	.11		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/g	.09		UJ	pCi/g	.03	+/- .043	J	pCi/g
Plutonium-241												
Polonium-210	.51	+/- .34	J	pCi/g	.56	+/- .26	-	pCi/g	.26	+/- .2	J	pCi/g
Radium-226	.37	+/- .044	-	pCi/g	.35	+/- .04	-	pCi/g	.36	+/- .046	-	pCi/g
Radium-228	.36	+/- .16	-	pCi/g	.29	+/- .15	J	pCi/g	.31	+/- .16	J	pCi/g
Strontium-90	.39		UJ	pCi/g	4.70	+/- 1	-	pCi/g	3.00	+/- .73	-	pCi/g
Technetium-99	.53	+/- .19	-	pCi/g	.28		UJ	pCi/g	.33	+/- .16	-	pCi/g
Thorium-227												
Thorium-228	.29	+/- .18	J	pCi/g	.22	+/- .18	J	pCi/g	.39	+/- .18	J	pCi/g
Thorium-230	.64	+/- .16	J	pCi/g	.32	+/- .14	J	pCi/g	.47	+/- .14	J	pCi/g
Thorium-232	.23	+/- .096	J	pCi/g	.30	+/- .12	J	pCi/g	.26	+/- .098	J	pCi/g
Uranium, Total	27.00	+/- 1.7	J	ug/g	4.70	+/- .12	J	ug/g	1.78	+/- .0568	-	ug/g
Uranium-233/234												
Uranium-234	10.60	+/- 1.35	J	pCi/g	1.44	+/- .24	J	pCi/g	.54	+/- .178	J	pCi/g
Uranium-235												
Uranium-235/236	.49	+/- .155	-	pCi/g	.06		UJ	pCi/g	.10		UJ	pCi/g
Uranium-236												
Uranium-238	11.40	+/- 1.44	-	pCi/g	1.69	+/- .264	-	pCi/g	.46	+/- .164	-	pCi/g

000300

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 53A - Health & Safety Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	2			
Sample:	53A-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.08		UJ	pCi/g
Cesium-137	.20		UJ	pCi/g
Lead-210	.41		UJ	pCi/g
Neptunium-237	.09		UJ	pCi/g
Plutonium-238	.12		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.18		UJ	pCi/g
Plutonium-241				
Polonium-210	.65	+/- .34	J	pCi/g
Radium-226	.37	+/- .058	-	pCi/g
Radium-228	.50		UJ	pCi/g
Strontium-90	.94	+/- .4	-	pCi/g
Technetium-99	.84		UJ	pCi/g
Thorium-227				
Thorium-228	.36	+/- .18	-	pCi/g
Thorium-230	.56	+/- .15	-	pCi/g
Thorium-232	.28	+/- .096	-	pCi/g
Uranium, Total	1.40	+/- .038	-	ug/g
Uranium-233/234				
Uranium-234	.26		UJ	pCi/g
Uranium-235				
Uranium-235/236	.07		UJ	pCi/g
Uranium-236				
Uranium-238	.31		UJ	pCi/g

000301

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	54A-003				54A-005				54A-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.53	+/- .31	J	pCi/g	.58	+/- .31	J	pCi/g	.17		UJ	pCi/g
Cesium-137	.08		UJ	pCi/g	.05		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	.90	+/- .83	J	pCi/g	.50	+/- .51	J	pCi/g	1.00	+/- .43	-	pCi/g
Neptunium-237	.13	+/- .076	J	pCi/g	.08	+/- .06	J	pCi/g	.15		UJ	pCi/g
Plutonium-238	1.30	+/- .54	-	pCi/g	.04		UJ	pCi/g	.56	+/- .5	J	pCi/g
Plutonium-239												
Plutonium-239/240	.09	+/- .49	J	pCi/g	.04		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-241	-2.50	+/- 2.1	UJ	pCi/g	-15.30	+/- 3	UJ	pCi/g	1.60		UJ	pCi/g
Polonium-210	1.40	+/- .74	-	pCi/g	.46	+/- .59	J	pCi/g	.28	+/- 1.9	J	pCi/g
Radium-226	1.40	+/- .33	-	pCi/g	.63	+/- .18	-	pCi/g	.10		UJ	pCi/g
Radium-228	5.60	+/- 1.4	-	pCi/g	.52	+/- .24	-	pCi/g	.55	+/- .24	-	pCi/g
Strontium-90	.20		UJ	pCi/g	.19		UJ	pCi/g	.29		UJ	pCi/g
Technetium-99	1.70	+/- .5	-	pCi/g	.54		UJ	pCi/g	2.80		UJ	pCi/g
Thorium-227												
Thorium-228	4.50	+/- 5.8	J	pCi/g	.32	+/- .44	J	pCi/g	.50	+/- .75	J	pCi/g
Thorium-230	17.00	+/- 6.6	-	pCi/g	.74	+/- .47	J	pCi/g	.34	+/- .76	J	pCi/g
Thorium-232	4.20	+/- 5.8	J	pCi/g	.26	+/- .44	J	pCi/g	.39	+/- .75	J	pCi/g
Uranium, Total	230.00	+/- 50	-	ug/g	12.00	+/- 2	-	ug/g	69.00	+/- 10	-	ug/g
Uranium-233/234												
Uranium-234	90.00	+/- 15	J	pCi/g	4.20	+/- .74	J	pCi/g	17.00	+/- 2.6	-	pCi/g
Uranium-235												
Uranium-235/236	6.10	+/- 7.5	J	pCi/g	.35	+/- .43	J	pCi/g	1.70	+/- .86	J	pCi/g
Uranium-236												
Uranium-238	76.00	+/- 13	J	pCi/g	5.00	+/- .84	J	pCi/g	16.00	+/- 2.4	-	pCi/g

200600

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	2				2				2			
Sample:	54A-007				54A-008				54A-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.25	+/- .45	J	pCi/g	.04	+/- .24	J	pCi/g	.14		UJ	pCi/g
Cesium-137	.31		UJ	pCi/g	.05		UJ	pCi/g	.21		UJ	pCi/g
Lead-210	4.90		UJ	pCi/g	.58	+/- .56	J	pCi/g	2.10		UJ	pCi/g
Neptunium-237	.11	+/- .066	J	pCi/g	.04		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-238	.45	+/- .4	J	pCi/g	.04	+/- .29	J	pCi/g	.49	+/- .5	J	pCi/g
Plutonium-239												
Plutonium-239/240	.07	+/- .39	J	pCi/g	.01	+/- .28	J	pCi/g	.08	+/- .49	J	pCi/g
Plutonium-241	-.60	+/- 1.4	UJ	pCi/g	-1.50	+/- 1.2	UJ	pCi/g	1.40		UJ	pCi/g
Polonium-210	2.00	+/- .71	-	pCi/g	.22	+/- .55	J	pCi/g	.23	+/- 1.1	J	pCi/g
Radium-226	2.70	+/- .85	-	pCi/g	.52	+/- .15	-	pCi/g	.38		UJ	pCi/g
Radium-228	2.20	+/- .92	-	pCi/g	.52	+/- .21	-	pCi/g	3.00	+/- 1	-	pCi/g
Strontium-90	.22		UJ	pCi/g	.19		UJ	pCi/g	.15		UJ	pCi/g
Technetium-99	110.00	+/- 12	-	pCi/g	.74	+/- .41	J	pCi/g	3.60		UJ	pCi/g
Thorium-227									.59	+/- 2.8	J	pCi/g
Thorium-228	2.20	+/- 3	J	pCi/g	.86		UJ	pCi/g	2.50	+/- 1.4	J	pCi/g
Thorium-230	6.10	+/- 3.2	J	pCi/g	1.60	+/- 5.9	J	pCi/g	1.80	+/- 1.3	J	pCi/g
Thorium-232	1.30	+/- 3	J	pCi/g	.53		UJ	pCi/g	1.70	+/- 1.3	J	pCi/g
Uranium, Total	2100.00	+/- 400	-	ug/g	100.00	+/- 20	-	ug/g	2300.00	+/- 500	J	ug/g
Uranium-233/234												
Uranium-234	3800.00	+/- 550	J	pCi/g	36.00	+/- 8.9	J	pCi/g	760.00	+/- 110	J	pCi/g
Uranium-235												
Uranium-235/236	290.00	+/- 47	J	pCi/g	3.20	+/- 7.9	J	pCi/g	51.00	+/- 11	J	pCi/g
Uranium-236												
Uranium-238	3400.00	+/- 500	J	pCi/g	38.00	+/- 9.1	J	pCi/g	850.00	+/- 130	J	pCi/g

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	3				3				3			
Sample:	54A-013				54A-015				54A-016			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.21	+/- .35	J	pCi/g	.18	+/- .34	J	pCi/g	.14		U	pCi/g
Cesium-137	.18		UJ	pCi/g	.08		UJ	pCi/g	.66		UJ	pCi/g
Lead-210	3.00		UJ	pCi/g	1.10		UJ	pCi/g	5.00		UJ	pCi/g
Neptunium-237	.08	+/- .066	J	pCi/g	.07	+/- .062	J	pCi/g	.16		UJ	pCi/g
Plutonium-238	.54	+/- .31	J	pCi/g	.23	+/- .34	J	pCi/g	.53	+/- 1.3	J	pCi/g
Plutonium-239												
Plutonium-239/240	.05	+/- .29	J	pCi/g	.05	+/- .34	J	pCi/g	.13		U	pCi/g
Plutonium-241	-.40	+/- 1.1	UJ	pCi/g	-.80	+/- 1.3	UJ	pCi/g	13.00		UJ	pCi/g
Polonium-210	.30	+/- .69	J	pCi/g	.46	+/- .61	J	pCi/g	.29	+/- 2.5	J	pCi/g
Radium-226	.56	+/- .3	J	pCi/g	.60	+/- .19	-	pCi/g	1.20		UJ	pCi/g
Radium-228	1.80	+/- .66	-	pCi/g	1.40	+/- .42	-	pCi/g	2.10		UJ	pCi/g
Strontium-90	.25		UJ	pCi/g	.19		UJ	pCi/g	.11		UJ	pCi/g
Technetium-99	14.00	+/- 1.7	-	pCi/g	28.00	+/- .57	-	pCi/g	2.70		U	pCi/g
Thorium-227									.39	+/- 4.8	J	pCi/g
Thorium-228	1.80	+/- 11	J	pCi/g	.74	+/- 2.7	J	pCi/g	1.40	+/- 2.6	J	pCi/g
Thorium-230	3.70	+/- 12	J	pCi/g	1.10	+/- 2.7	J	pCi/g	1.10	+/- 2.6	J	pCi/g
Thorium-232	1.70	+/- 11	J	pCi/g	.83	+/- 2.7	J	pCi/g	1.10	+/- 2.6	J	pCi/g
Uranium, Total	3900.00	+/- 800	J	ug/g	330.00	+/- 70	-	ug/g	3300.00	+/- 700	J	ug/g
Uranium-233/234												
Uranium-234	2200.00	+/- 320	J	pCi/g	100.00	+/- 1200	R	pCi/g	690.00	+/- 100	J	pCi/g
Uranium-235												
Uranium-235/236	150.00	+/- 30	-	pCi/g	190.00		R	pCi/g	42.00	+/- 17	J	pCi/g
Uranium-236												
Uranium-238	1800.00	+/- 260	J	pCi/g	94.00		R	pCi/g	970.00	+/- 150	J	pCi/g

00033084

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	4				4				4			
Sample:	54A-017				54A-018				54A-019			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.23	+/- .24	J	pCi/g	.03		UJ	pCi/g	.04		UJ	pCi/g
Cesium-137	.18		UJ	pCi/g	.04		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	2.60		UJ	pCi/g	.45		UJ	pCi/g	.45		UJ	pCi/g
Neptunium-237	.05	+/- .035	J	pCi/g	.04		UJ	pCi/g	.04		UJ	pCi/g
Plutonium-238	2.80	+/- .52	J	pCi/g	.02	+/- .28	J	pCi/g	.02		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.26	+/- .29	J	pCi/g	.03		UJ	pCi/g	.02	+/- .27	J	pCi/g
Plutonium-241	-.31	+/- 1.3	UJ	pCi/g	-22.00	+/- 3	UJ	pCi/g	-20.00	+/- 2.8	UJ	pCi/g
Polonium-210	.54	+/- .72	J	pCi/g	.29	+/- .59	J	pCi/g	.28	+/- .72	J	pCi/g
Radium-226	.64	+/- .3	-	pCi/g	.42	+/- .14	-	pCi/g	.41	+/- .14	-	pCi/g
Radium-228	12.00	+/- 2.9	-	pCi/g	.27	+/- .18	J	pCi/g	.35	+/- .22	J	pCi/g
Strontium-90	.18		UJ	pCi/g	.17		UJ	pCi/g	.18		UJ	pCi/g
Technetium-99	9.00	+/- 1.1	J	pCi/g	.50	+/- .4	J	pCi/g	.48		UJ	pCi/g
Thorium-227												
Thorium-228	12.00	+/- 5.6	J	pCi/g	.22	+/- .65	J	pCi/g	.22	+/- .67	J	pCi/g
Thorium-230	5.40	+/- 5.4	J	pCi/g	.60	+/- .67	J	pCi/g	.56	+/- .69	J	pCi/g
Thorium-232	11.00	+/- 5.6	J	pCi/g	.18	+/- .65	J	pCi/g	.19	+/- .67	J	pCi/g
Uranium, Total	2300.00	+/- 500	J	ug/g	10.00	+/- 2	-	ug/g	97.00	+/- 20	J	ug/g
Uranium-233/234												
Uranium-234	540.00	+/- 80	J	pCi/g	2.40	+/- .55	J	pCi/g	48.00	+/- 7.1	J	pCi/g
Uranium-235												
Uranium-235/236	42.00	+/- 12	J	pCi/g	.15	+/- .38	J	pCi/g	5.90	+/- 1.1	J	pCi/g
Uranium-236												
Uranium-238	1100.00	+/- 160	J	pCi/g	3.60	+/- .68	J	pCi/g	51.00	+/- 7.5	J	pCi/g

000305

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	4				4				5			
Sample:	54A-021				54A-022				54A-023			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- .24	J	pCi/g	.17		U	pCi/g	.15	+/- .29	J	pCi/g
Cesium-137	.05		UJ	pCi/g	.60		UJ	pCi/g	.09		UJ	pCi/g
Lead-210	.72		UJ	pCi/g	4.90		UJ	pCi/g	1.30		UJ	pCi/g
Neptunium-237	.03		UJ	pCi/g	.17		UJ	pCi/g	.07		UJ	pCi/g
Plutonium-238	.03	+/- .26	J	pCi/g	.35	+/- 1.3	J	pCi/g	.19	+/- .49	J	pCi/g
Plutonium-239												
Plutonium-239/240	.05	+/- .26	J	pCi/g	.13	+/- 1.3	J	pCi/g	.06		UJ	pCi/g
Plutonium-241	-20.00	+/- 2.8	UJ	pCi/g	13.00		UJ	pCi/g	-31.40	+/- 5.7	UJ	pCi/g
Polonium-210	.31	+/- .72	J	pCi/g	.39	+/- 2.4	J	pCi/g	.22	+/- .64	J	pCi/g
Radium-226	.51	+/- .17	-	pCi/g	1.10		UJ	pCi/g	.39	+/- .18	-	pCi/g
Radium-228	.41	+/- .23	J	pCi/g	3.10	+/- 1.6	J	pCi/g	1.40	+/- .45	-	pCi/g
Strontium-90	.17		UJ	pCi/g	.12		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	1.50	+/- .44	J	pCi/g	2.70		U	pCi/g	.55		UJ	pCi/g
Thorium-227					.56	+/- 4.8	J	pCi/g				
Thorium-228	.24	+/- .75	J	pCi/g	1.50	+/- 2.7	J	pCi/g	1.40	+/- 11	J	pCi/g
Thorium-230	.58	+/- .76	J	pCi/g	1.20	+/- 2.6	J	pCi/g	5.40	+/- 12	J	pCi/g
Thorium-232	.17	+/- .74	J	pCi/g	1.20	+/- 2.6	J	pCi/g	1.50	+/- 11	J	pCi/g
Uranium, Total	190.00	+/- 40	J	ug/g	6100.00	+/- 1000	J	ug/g	870.00	+/- 200	J	ug/g
Uranium-233/234												
Uranium-234	79.00	+/- 12	J	pCi/g	1100.00	+/- 170	J	pCi/g	340.00	+/- 53	J	pCi/g
Uranium-235												
Uranium-235/236	6.10	+/- 1.1	J	pCi/g	92.00	+/- 23	J	pCi/g	27.00	+/- 15	J	pCi/g
Uranium-236												
Uranium-238	78.00	+/- 12	J	pCi/g	2800.00	+/- 410	J	pCi/g	310.00	+/- 49	J	pCi/g

000606

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"			
Process Area:	5				5				6			
Sample:	54A-024				54A-026				54A-027			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.12	+/- .34	J	pCi/g	2.50	+/- .74	J	pCi/g	.45	+/- .37	J	pCi/g
Cesium-137	.10		UJ	pCi/g	.18		UJ	pCi/g	.12		UJ	pCi/g
Lead-210	1.50		UJ	pCi/g	1.50		UJ	pCi/g	1.90		UJ	pCi/g
Neptunium-237	.12	+/- .075	J	pCi/g	1.10	+/- .25	J	pCi/g	.09	+/- .066	J	pCi/g
Plutonium-238	.22	+/- .37	J	pCi/g	2.00	+/- .44	-	pCi/g	.91	+/- .34	-	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	1.50	+/- .39	-	pCi/g	.12	+/- .3	J	pCi/g
Plutonium-241	-1.10	+/- 1.4	UJ	pCi/g	.71		UJ	pCi/g	-.50	+/- 1.2	UJ	pCi/g
Polonium-210	.50	+/- .79	J	pCi/g	.27	+/- .78	J	pCi/g	.35	+/- .64	J	pCi/g
Radium-226	.66	+/- .22	-	pCi/g	.59	+/- .31	J	pCi/g	.60	+/- .24	-	pCi/g
Radium-228	.90	+/- .4	-	pCi/g	7.00	+/- 1.8	-	pCi/g	6.50	+/- 1.6	-	pCi/g
Strontium-90	.22		UJ	pCi/g	.40		UJ	pCi/g	.21		UJ	pCi/g
Technetium-99	1.10	+/- .48	-	pCi/g	2.80		UJ	pCi/g	10.00	+/- 1.3	-	pCi/g
Thorium-227												
Thorium-228	.62	+/- 5.6	J	pCi/g	14.00	+/- 2.2	J	pCi/g	5.70	+/- 12	J	pCi/g
Thorium-230	3.10	+/- 5.8	J	pCi/g	63.00	+/- 9.4	J	pCi/g	6.30	+/- 12	J	pCi/g
Thorium-232	1.10	+/- 5.7	J	pCi/g	11.00	+/- 1.8	J	pCi/g	4.60	+/- 12	J	pCi/g
Uranium, Total	520.00	+/- 100	J	ug/g	810.00	+/- 200	-	ug/g	1800.00	+/- 400	J	ug/g
Uranium-233/234												
Uranium-234	210.00	+/- 33	J	pCi/g	410.00	+/- 61	J	pCi/g	820.00	+/- 120	J	pCi/g
Uranium-235												
Uranium-235/236	18.00	+/- 8.4	-	pCi/g	33.00	+/- 6.9	J	pCi/g	64.00	+/- 18	-	pCi/g
Uranium-236												
Uranium-238	200.00	+/- 30	J	pCi/g	350.00	+/- 52	J	pCi/g	630.00	+/- 94	J	pCi/g

000307

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"			
Process Area:	6				6				7			
Sample:	54A-029				54A-030				54A-031			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/g	.16		UJ	pCi/g	.60	+/- .26	-	pCi/g
Cesium-137	.05		UJ	pCi/g	.24		UJ	pCi/g	.28		UJ	pCi/g
Lead-210	.62		UJ	pCi/g	2.20		UJ	pCi/g	3.80		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g	.15		UJ	pCi/g	.07		UJ	pCi/g
Plutonium-238	.04	+/- .28	J	pCi/g	1.50	+/- .55	J	pCi/g	11.00	+/- 1.7	-	pCi/g
Plutonium-239												
Plutonium-239/240	.01	+/- .28	J	pCi/g	.37	+/- .5	J	pCi/g	.38	+/- .29	J	pCi/g
Plutonium-241	-17.00	+/- 2.8	UJ	pCi/g	1.60		UJ	pCi/g	2.60	+/- .9	J	pCi/g
Polonium-210	.27	+/- .84	J	pCi/g	.56	+/- 1.3	J	pCi/g	.46	+/- .75	J	pCi/g
Radium-226	.45	+/- .16	-	pCi/g	.70	+/- .46	J	pCi/g	.66	+/- .44	J	pCi/g
Radium-228	.57	+/- .26	-	pCi/g	29.00	+/- 6.7	-	pCi/g	16.00	+/- 4	-	pCi/g
Strontium-90	.18		UJ	pCi/g	.42	+/- .36	J	pCi/g	.17		UJ	pCi/g
Technetium-99	1.40	+/- .49	-	pCi/g	2.80		UJ	pCi/g	18.00	+/- 2.2	-	pCi/g
Thorium-227												
Thorium-228	.79		UJ	pCi/g	18.00	+/- 2.8	-	pCi/g	15.00	+/- 9.6	J	pCi/g
Thorium-230	5.00	+/- 4.8	J	pCi/g	14.00	+/- 2.2	-	pCi/g	14.00	+/- 9.5	J	pCi/g
Thorium-232	.77	+/- 4.6	J	pCi/g	19.00	+/- 3	-	pCi/g	13.00	+/- 9.5	J	pCi/g
Uranium, Total	130.00	+/- 30	J	ug/g	160.00	+/- 30	-	ug/g	5400.00	+/- 1000	J	ug/g
Uranium-233/234												
Uranium-234	66.00	+/- 12	-	pCi/g	170.00	+/- 25	-	pCi/g	3100.00	+/- 460	-	pCi/g
Uranium-235												
Uranium-235/236	5.00	+/- 7.7	J	pCi/g	23.00	+/- 5.7	-	pCi/g	250.00	+/- 46	-	pCi/g
Uranium-236												
Uranium-238	66.00	+/- 12	J	pCi/g	210.00	+/- 31	-	pCi/g	2700.00	+/- 390	J	pCi/g

000383

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	.5-1"				1-6"				0-.5"			
Process Area:	7				7				7			
Sample:	54A-032				54A-033				54A-035			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.54	+/- .25	-	pCi/g	.04		UJ	pCi/g	1.10	+/- 2.4	R	pCi/g
Cesium-137	.22		UJ	pCi/g	.08		UJ	pCi/g	.13		UJ	pCi/g
Lead-210	3.00		UJ	pCi/g	.84		UJ	pCi/g	1.70		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g	.06		UJ	pCi/g	.10	+/- .065	J	pCi/g
Plutonium-238	2.10	+/- .47	-	pCi/g	.09	+/- .29	J	pCi/g	2.70	+/- .63	-	pCi/g
Plutonium-239												
Plutonium-239/240	.09	+/- .32	J	pCi/g	.02		UJ	pCi/g	.10	+/- .44	J	pCi/g
Plutonium-241	.45	+/- .97	UJ	pCi/g	-16.00	+/- 2.6	UJ	pCi/g	-1.20	+/- 1.8	UJ	pCi/g
Polonium-210	.51	+/- .7	J	pCi/g	.37	+/- .64	J	pCi/g	.45	+/- .61	J	pCi/g
Radium-226	.79	+/- .34	-	pCi/g	.36	+/- .19	J	pCi/g	.54	+/- .21	-	pCi/g
Radium-228	7.30	+/- 1.9	-	pCi/g	.79	+/- .33	-	pCi/g	5.20	+/- 1.3	-	pCi/g
Strontium-90	.19		UJ	pCi/g	.16		UJ	pCi/g	.20		UJ	pCi/g
Technetium-99	6.20	+/- .85	-	pCi/g	.54		UJ	pCi/g	2.70	+/- .57	-	pCi/g
Thorium-227												
Thorium-228	4.90	+/- 4.6	J	pCi/g	.54	+/- 2.2	J	pCi/g	3.20	+/- 6	J	pCi/g
Thorium-230	6.70	+/- 4.7	J	pCi/g	2.60	+/- 2.3	J	pCi/g	4.60	+/- 6.1	J	pCi/g
Thorium-232	3.80	+/- 4.5	J	pCi/g	.47	+/- 2.2	J	pCi/g	2.40	+/- 6	J	pCi/g
Uranium, Total	2600.00	+/- 500	J	ug/g	140.00	+/- 30	J	ug/g	400.00	+/- 80	J	ug/g
Uranium-233/234												
Uranium-234	1700.00	+/- 260	-	pCi/g	76.00	+/- 12	-	pCi/g	210.00	+/- 32	J	pCi/g
Uranium-235												
Uranium-235/236	120.00	+/- 240	-	pCi/g	4.50	+/- 4	J	pCi/g	17.00	+/- 7.8	-	pCi/g
Uranium-236												
Uranium-238	1600.00	+/- 230	J	pCi/g	76.00	+/- 12	J	pCi/g	150.00	+/- 23	J	pCi/g

600309

2128

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:					0-.5"				0-.5"			
Process Area:	7				8				8			
Sample:	54A-036				54A-037				54A-038			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	8.40	+/- 1.8	-	pCi/g	.12		NV	pCi/g	.12	+/- .35	J	pCi/g
Cesium-137	.27		UJ	pCi/g	.10		UJ	pCi/g	.06		UJ	pCi/g
Lead-210	3.00		UJ	pCi/g	3.30	+/- 1.3	J	pCi/g	.69		U	pCi/g
Neptunium-237	.16		UJ	pCi/g	.30		NV	pCi/g	.07		UJ	pCi/g
Plutonium-238	150.00	+/- 22	J	pCi/g	2.71		NV	pCi/g	.25	+/- .39	J	pCi/g
Plutonium-239												
Plutonium-239/240	3.70	+/- .8	J	pCi/g	.29		NV	pCi/g	.04	+/- .38	J	pCi/g
Plutonium-241	36.00	+/- 5.5	J	pCi/g	7.16		NV	pCi/g	-1.40	+/- 1.5	UJ	pCi/g
Polonium-210	.98	+/- 1.3	J	pCi/g	.58		NV	pCi/g	.24	+/- .61	J	pCi/g
Radium-226	.86	+/- .44	J	pCi/g	10.70	+/- 1.4	J	pCi/g	.36	+/- .14	-	pCi/g
Radium-228	28.00	+/- 6.6	-	pCi/g	4.30	+/- 1.9	J	pCi/g	.73	+/- .26	-	pCi/g
Strontium-90	.43	+/- .25	J	pCi/g	1.90		UJ	pCi/g	.18		UJ	pCi/g
Technetium-99	27.00	+/- 3.9	J	pCi/g	6.10	+/- 1.1	J	pCi/g	.77	+/- .47	J	pCi/g
Thorium-227												
Thorium-228	43.00	+/- 6.4	-	pCi/g	13.60		NV	pCi/g	.59	+/- 2.9	J	pCi/g
Thorium-230	15.00	+/- 2.5	-	pCi/g	12.30		NV	pCi/g	.81	+/- 2.9	J	pCi/g
Thorium-232	40.00	+/- 6	-	pCi/g	7.32		NV	pCi/g	.50	+/- 2.9	J	pCi/g
Uranium, Total	1100.00	+/- 40	-	ug/g	12900.00	+/- 1820	J	ug/g	170.00	+/- 30	-	ug/g
Uranium-233/234												
Uranium-234	2200.00	+/- 330	-	pCi/g	669.00		NV	pCi/g	67.00	+/- 11	J	pCi/g
Uranium-235												
Uranium-235/236	1700.00	+/- 32	-	pCi/g	122.00		NV	pCi/g	4.70	+/- 3.9	J	pCi/g
Uranium-236												
Uranium-238	1600.00	+/- 240	-	pCi/g	704.00		NV	pCi/g	62.00	+/- 9.8	J	pCi/g

00340

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 54B - Pilot Plant Shelter
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	54B-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.70		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.50	+/- .6	R	pCi/g
Neptunium-237	-.05	+/- .074	UJ	pCi/g
Plutonium-238	-1.36	+/- 2.006	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	-.03	+/- .0908	UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	.90	+/- .4	J	pCi/g
Radium-226	1.30	+/- .3	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	1.50		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.22	+/- .1811	J	pCi/g
Thorium-230	.22	+/- .2065	J	pCi/g
Thorium-232	.11	+/- .0965	J	pCi/g
Uranium, Total	4.80	+/- .7	J	ug/g
Uranium-233/234				
Uranium-234	1.13	+/- .283	J	pCi/g
Uranium-235				
Uranium-235/236	.08	+/- .05695	J	pCi/g
Uranium-236				
Uranium-238	1.52	+/- .3079	J	pCi/g

ET0034

8212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator Shelter
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	54C-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.60	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .01548	J	pCi/g
Plutonium-238	.13	+/- .11	J	pCi/g
Plutonium-239				
Plutonium-239/240	-.03	+/- .04	UJ	pCi/g
Plutonium-241				
Polonium-210	1.20	+/- .2	J	pCi/g
Radium-226	1.40	+/- .3	-	pCi/g
Radium-228	.90	+/- .4	-	pCi/g
Strontium-90	.40		UJ	pCi/g
Technetium-99	.60	+/- .3	J	pCi/g
Thorium-227				
Thorium-228	.83	+/- .1638	J	pCi/g
Thorium-230	.77	+/- .18	J	pCi/g
Thorium-232	.53	+/- .1155	J	pCi/g
Uranium, Total	35.10	+/- 5	-	ug/g
Uranium-233/234				
Uranium-234	30.09	+/- 5.016	J	pCi/g
Uranium-235				
Uranium-235/236	2.57	+/- .6051	J	pCi/g
Uranium-236				
Uranium-238	27.52	+/- 4.606	J	pCi/g

000312

Appendix L.2 - Major Media
Category 3 - Process
Component 55A - Slag Recycling Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	55A-003				55A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.06	+/- .57	J	pCi/g	.45	+/- .12	J	pCi/g
Cesium-137	.10		UJ	pCi/g	1.61	+/- .52	-	pCi/g
Lead-210	1.40		UJ	pCi/g	.98	+/- .59	J	pCi/g
Neptunium-237	.19		UJ	pCi/g	.36	+/- .15	-	pCi/g
Plutonium-238	.02	+/- .41	J	pCi/g	.41	+/- .1	J	pCi/g
Plutonium-239								
Plutonium-239/240	.32	+/- .41	J	pCi/g	1.01	+/- .16	J	pCi/g
Plutonium-241	-26.80	+/- 4.59	UJ	pCi/g	6.84	+/- 2.7	-	pCi/g
Polonium-210	.23	+/- .81	J	pCi/g	2.76	+/- .69	J	pCi/g
Radium-226	.31	+/- .14	J	pCi/g	2.34	+/- .38	J	pCi/g
Radium-228	.50	+/- .37	J	pCi/g	5.27	+/- 1.7	J	pCi/g
Strontium-90	.19		UJ	pCi/g	.76		UJ	pCi/g
Technetium-99	2.00	+/- .48	J	pCi/g	11.40	+/- 1.4	J	pCi/g
Thorium-227								
Thorium-228	.82		UJ	pCi/g	5.38	+/- 1	J	pCi/g
Thorium-230	2.80	+/- 11	J	pCi/g	74.80	+/- 13	J	pCi/g
Thorium-232	.60		UJ	pCi/g	5.17	+/- .98	J	pCi/g
Uranium, Total	950.00	+/- 200	-	ug/g	11200.00	+/- 260	-	ug/g
Uranium-233/234					1200.00	+/- 250	J	pCi/g
Uranium-234	76.00	+/- 22	-	pCi/g				
Uranium-235								
Uranium-235/236	12.00	+/- 16	J	pCi/g	89.00	+/- 23	J	pCi/g
Uranium-236								
Uranium-238	330.00	+/- 54	-	pCi/g	3640.00	+/- 740	J	pCi/g

000343

21273

Appendix L.2 - Major Media
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	55B-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	-.02		NV	pCi/g
Cesium-137	1.60	+/- .2	J	pCi/g
Lead-210	2.90	+/- 1.3	J	pCi/g
Neptunium-237	.08		NV	pCi/g
Plutonium-238	.08		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.19		NV	pCi/g
Plutonium-241	1.55		NV	pCi/g
Polonium-210	.46		NV	pCi/g
Radium-226	1.70	+/- .3	J	pCi/g
Radium-228	.40	+/- .4	J	pCi/g
Strontium-90	1.50		UJ	pCi/g
Technetium-99	1.60	+/- .4	J	pCi/g
Thorium-227				
Thorium-228	.18		NV	pCi/g
Thorium-230	8.00		NV	pCi/g
Thorium-232	1.14		NV	pCi/g
Uranium, Total	1090.00	+/- 154	J	ug/g
Uranium-233/234				
Uranium-234	220.00		NV	pCi/g
Uranium-235				
Uranium-235/236	26.80		NV	pCi/g
Uranium-236				
Uranium-238	293.00		NV	pCi/g

000354

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 56A - CP Storage Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	56A-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.07		UJ	pCi/g
Cesium-137	.02	+/- .013	J	pCi/g
Lead-210	.48		UJ	pCi/g
Neptunium-237	.07		UJ	pCi/g
Plutonium-238	.10		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.16		UJ	pCi/g
Plutonium-241				
Polonium-210	.62	+/- .26	J	pCi/g
Radium-226	.41	+/- .075	-	pCi/g
Radium-228	.29	+/- .58	J	pCi/g
Strontium-90	.80	+/- .34	-	pCi/g
Technetium-99	1.00	+/- .61	J	pCi/g
Thorium-227				
Thorium-228	.35	+/- .15	-	pCi/g
Thorium-230	.45	+/- .12	-	pCi/g
Thorium-232	.19	+/- .067	-	pCi/g
Uranium, Total	17.00	+/- 1.1	-	ug/g
Uranium-233/234				
Uranium-234	5.60	+/- .64	J	pCi/g
Uranium-235				
Uranium-235/236	.26	+/- .088	J	pCi/g
Uranium-236				
Uranium-238	5.40	+/- .68	J	pCi/g

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	62-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	.40	+/- .3	J	pCi/g
Neptunium-237	.02	+/- .0225	J	pCi/g
Plutonium-238	.00	+/- .1	UJ	pCi/g
Plutonium-239	.02	+/- .06	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	.50	+/- .1	J	pCi/g
Radium-226	.90	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.60		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.25	+/- .09	J	pCi/g
Thorium-230	.54	+/- .15	J	pCi/g
Thorium-232	.29	+/- .08	J	pCi/g
Uranium, Total	16.50	+/- 2.3	-	ug/g
Uranium-233/234				
Uranium-234	5.46	+/- 1.01	J	pCi/g
Uranium-235	.43	+/- .16	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	6.14	+/- 1.11	J	pCi/g

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 63 - KC-2 Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	63-003				63-005				63-006 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		UJ	pCi/g	.08		UJ	pCi/g	.12		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.02		UJ	pCi/g	.01		UJ	pCi/g
Lead-210	1.30	+/- .37	-	pCi/g	.50		UJ	pCi/g	.66	+/- .26	-	pCi/g
Neptunium-237	.07		UJ	pCi/g	.15		UJ	pCi/g	.12		UJ	pCi/g
Plutonium-238	.12		UJ	pCi/g	.15		UJ	pCi/g	.11		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.08		UJ	pCi/g	.07		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-241												
Polonium-210	.46	+/- .23	-	pCi/g	.55	+/- .29	J	pCi/g	.39	+/- .28	J	pCi/g
Radium-226	.53	+/- .098	-	pCi/g	.42	+/- .053	J	pCi/g	.35	+/- .034	J	pCi/g
Radium-228	.28	+/- .33	J	pCi/g	.23	+/- .16	J	pCi/g	.23	+/- .11	-	pCi/g
Strontium-90	.68	+/- .55	J	pCi/g	2.60	+/- .66	-	pCi/g	2.60	+/- .64	-	pCi/g
Technetium-99	.62	+/- .22	-	pCi/g	.24		UJ	pCi/g	.29	+/- .18	J	pCi/g
Thorium-227												
Thorium-228	.42	+/- .16	-	pCi/g	.61	+/- .21	J	pCi/g	.82	+/- .25	J	pCi/g
Thorium-230	16.00	+/- 1.7	J	pCi/g	.74	+/- .18	J	pCi/g	.64	+/- .17	J	pCi/g
Thorium-232	.32	+/- .12	-	pCi/g	.44	+/- .13	J	pCi/g	.82	+/- .19	J	pCi/g
Uranium, Total	580.00	+/- 36	-	ug/g	30.00	+/- 1.9	J	ug/g	25.00	+/- 1.6	J	ug/g
Uranium-233/234												
Uranium-234	220.00	+/- 24	J	pCi/g	15.10	+/- 1.89	J	pCi/g	10.40	+/- 1.39	J	pCi/g
Uranium-235												
Uranium-235/236	9.00	+/- 1.4	J	pCi/g	.44	+/- .154	-	pCi/g	.42	+/- .154	-	pCi/g
Uranium-236												
Uranium-238	220.00	+/- 24	-	pCi/g	14.70	+/- 1.84	J	pCi/g	9.50	+/- 1.29	J	pCi/g

000317

7173

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 64 - Thorium Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	64-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30	+/- .2	J	pCi/g
Cesium-137	.50		UJ	pCi/g
Lead-210	12.20	+/- 3.3	J	pCi/g
Neptunium-237	.42		UJ	pCi/g
Plutonium-238	.22		-	pCi/g
Plutonium-239	.04		UJ	pCi/g
Plutonium-239/240				
Plutonium-241	1.80		UJ	pCi/g
Polonium-210	.87		-	pCi/g
Radium-226	177.00	+/- 28.4	-	pCi/g
Radium-228	137.00	+/- 20.6	-	pCi/g
Strontium-90	1.50	+/- 1.3	J	pCi/g
Technetium-99	9.90	+/- 5	-	pCi/g
Thorium-227				
Thorium-228	200.00		-	pCi/g
Thorium-230	18.00		J	pCi/g
Thorium-232	170.00		-	pCi/g
Uranium, Total	139.00	+/- 19.7	J	ug/g
Uranium-233/234				
Uranium-234	49.00		-	pCi/g
Uranium-235	4.20		-	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	53.00		-	pCi/g

000318

Appendix L.2 - Major Media
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	1				2				2			
Sample:	66-003				66-006				66-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.02		UJ	pCi/g	.10		UJ	pCi/g	.20	+/- .091	-	pCi/g
Cesium-137	.04	+/- .0239	J	pCi/g	.05	+/- .018	-	pCi/g	.01		UJ	pCi/g
Lead-210	1.58	+/- .573	-	pCi/g	.50	+/- .31	J	pCi/g	.45		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g	.14	+/- .067	-	pCi/g	.09		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.14	+/- .15	J	pCi/g	.11		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.01	+/- .00951	J	pCi/g	.19		UJ	pCi/g	.15		UJ	pCi/g
Plutonium-241												
Polonium-210	.45	+/- .0865	-	pCi/g	.71	+/- .28	J	pCi/g	.36	+/- .22	J	pCi/g
Radium-226	.53	+/- .0709	-	pCi/g	1.00	+/- .075	-	pCi/g	.48	+/- .074	-	pCi/g
Radium-228	.40	+/- .0973	-	pCi/g	2.00	+/- .33	-	pCi/g	.42	+/- 1.1	J	pCi/g
Strontium-90	.26		UJ	pCi/g	.29		UJ	pCi/g	.49		UJ	pCi/g
Technetium-99	12.60	+/- 1.25	-	pCi/g	6.60	+/- 2.9	-	pCi/g	.82	+/- .53	J	pCi/g
Thorium-227												
Thorium-228	.45	+/- .0693	-	pCi/g	10.00	+/- 1.1	-	pCi/g	13.60	+/- 1.61	-	pCi/g
Thorium-230	.44	+/- .116	-	pCi/g	18.00	+/- 1.7	-	pCi/g	.96	+/- .203	-	pCi/g
Thorium-232	.30	+/- .0495	-	pCi/g	8.00	+/- .85	-	pCi/g	.24	+/- .0809	-	pCi/g
Uranium, Total	92.00	+/- 5.6	-	ug/g	720.00	+/- 44	-	ug/g	24.00	+/- 1.6	-	ug/g
Uranium-233/234												
Uranium-234	36.30	+/- 3.3	J	pCi/g	67.00	+/- 7.5	-	pCi/g	22.00	+/- 2.3	J	pCi/g
Uranium-235												
Uranium-235/236	4.11	+/- .45	J	pCi/g	3.30	+/- .64	-	pCi/g	1.10	+/- .19	J	pCi/g
Uranium-236												
Uranium-238	43.40	+/- 3.93	J	pCi/g	69.00	+/- 7.7	-	pCi/g	24.00	+/- 2.6	J	pCi/g

00319

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CHIPS				CONCRETE CHIPS DUP			
Depth:	1-4"				0-.5"				0-.5"			
Process Area:	2				3				3			
Sample:	66-008				66-014				66-015 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/g	.10		UJ	pCi/g	.14		UJ	pCi/g
Cesium-137	.01		UJ	pCi/g	.06	+/- .02	-	pCi/g	.08	+/- .024	-	pCi/g
Lead-210	.53	+/- .32	J	pCi/g	.64	+/- .3	-	pCi/g	.58	+/- .38	J	pCi/g
Neptunium-237	.11		UJ	pCi/g	.11		UJ	pCi/g	.08	+/- .059	J	pCi/g
Plutonium-238	.08		UJ	pCi/g	.17	+/- .18	J	pCi/g	.11	+/- .12	J	pCi/g
Plutonium-239												
Plutonium-239/240	.15		UJ	pCi/g	.19		UJ	pCi/g	.16		UJ	pCi/g
Plutonium-241												
Polonium-210	.45	+/- .23	J	pCi/g	.63	+/- .3	J	pCi/g	.81	+/- .51	J	pCi/g
Radium-226	.39	+/- .041	-	pCi/g	1.00	+/- .081	-	pCi/g	1.00	+/- .15	-	pCi/g
Radium-228	.25	+/- .12	-	pCi/g	1.90	+/- .36	-	pCi/g	2.50	+/- 1.6	J	pCi/g
Strontium-90	.28		UJ	pCi/g	.36	+/- .28	J	pCi/g	.40	+/- .25	J	pCi/g
Technetium-99	1.10	+/- .68	J	pCi/g	6.20	+/- 2.3	-	pCi/g	5.80	+/- 2.1	-	pCi/g
Thorium-227												
Thorium-228	.33	+/- .172	J	pCi/g	3.20	+/- .47	-	pCi/g	3.80	+/- .54	-	pCi/g
Thorium-230	.50	+/- .148	-	pCi/g	3.80	+/- .49	-	pCi/g	4.00	+/- .52	-	pCi/g
Thorium-232	.24	+/- .0895	-	pCi/g	2.40	+/- .34	-	pCi/g	3.60	+/- .46	-	pCi/g
Uranium, Total	3.60	+/- .11	-	ug/g	560.00	+/- 34	-	ug/g	870.00	+/- 53	-	ug/g
Uranium-233/234												
Uranium-234	.26		UJ	pCi/g	200.00	+/- 22	-	pCi/g	200.00	+/- 22	-	pCi/g
Uranium-235												
Uranium-235/236	.08		UJ	pCi/g	10.00	+/- 1.5	-	pCi/g	7.90	+/- 1.2	-	pCi/g
Uranium-236												
Uranium-238	.30		UJ	pCi/g	210.00	+/- 24	-	pCi/g	220.00	+/- 24	-	pCi/g

000320

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 67 - Plant 1 Thorium Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	67-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	2.87	+/- .467	-	pCi/g
Cesium-137	5.52		UJ	pCi/g
Lead-210	251.00		UJ	pCi/g
Neptunium-237	.15		UJ	pCi/g
Plutonium-238	.17	+/- .158	J	pCi/g
Plutonium-239				
Plutonium-239/240	.36	+/- .173	-	pCi/g
Plutonium-241	1.42		UJ	pCi/g
Polonium-210	14.20	+/- 1.52	-	pCi/g
Radium-226	120.00	+/- 13.2	-	pCi/g
Radium-228	15000.00	+/- 1060	-	pCi/g
Strontium-90	.24		UJ	pCi/g
Technetium-99	45.40	+/- 5.2	-	pCi/g
Thorium-227				
Thorium-228	8950.00	+/- 1350	J	pCi/g
Thorium-230	675.00	+/- 242	J	pCi/g
Thorium-232	119.00	+/- 81	J	pCi/g
Uranium, Total	26.40	+/- 1.68	-	ug/g
Uranium-233/234				
Uranium-234	861.00		UJ	pCi/g
Uranium-235				
Uranium-235/236	498.00		UJ	pCi/g
Uranium-236				
Uranium-238	507.00		UJ	pCi/g

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3212

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 68 - Pilot Plant Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	68-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	61.30	+/- 9.7	J	pCi/g
Neptunium-237	.41		UJ	pCi/g
Plutonium-238	67.70	+/- 9.3	-	pCi/g
Plutonium-239				
Plutonium-239/240	30.30	+/- 4.2	-	pCi/g
Plutonium-241	2.20		-	pCi/g
Polonium-210	4.20		-	pCi/g
Radium-226	1530.00	+/- 242	J	pCi/g
Radium-228	794.00	+/- 115	J	pCi/g
Strontium-90	59.70	+/- 8	-	pCi/g
Technetium-99	3.30	+/- 2.2	J	pCi/g
Thorium-227				
Thorium-228	1300.00		-	pCi/g
Thorium-230	120.00		J	pCi/g
Thorium-232	230.00		-	pCi/g
Uranium, Total	44.80	+/- 6.3	J	ug/g
Uranium-233/234				
Uranium-234	54.00		UJ	pCi/g
Uranium-235	12.00		UJ	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	43.00		UJ	pCi/g

22000

Appendix L.2 - Major Media
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	69-003				69-004				69-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.01		NV	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	29.20	+/- 4.4	J	pCi/g	5.60	+/- .9	J	pCi/g	.60	+/- .3	J	pCi/g
Neptunium-237	.08		NV	pCi/g	-.37	+/- .4173	UJ	pCi/g	.08	+/- .0473	J	pCi/g
Plutonium-238	.17		NV	pCi/g	.12	+/- .1257	UJ	pCi/g	.00	+/- .1	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.07		NV	pCi/g	.10	+/- .03	J	pCi/g	.02	+/- .04	UJ	pCi/g
Plutonium-241	.46		NV	pCi/g								
Polonium-210	7.84		NV	pCi/g	4.00	+/- .6	-	pCi/g	.80	+/- .2	J	pCi/g
Radium-226	30.90	+/- 4.9	-	pCi/g	6.80	+/- 1.1	-	pCi/g	.90	+/- .2	-	pCi/g
Radium-228	5.00	+/- .9	-	pCi/g	1.40	+/- .4	-	pCi/g	.40		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	.20	+/- .3	R	pCi/g	.30		UJ	pCi/g
Technetium-99	10.90	+/- 2.8	-	pCi/g	3.50	+/- 1	-	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	5.86		NV	pCi/g	1.45	+/- .48	J	pCi/g	.13	+/- .12	J	pCi/g
Thorium-230	26.80		NV	pCi/g	8.90	+/- 2.15	J	pCi/g	.47	+/- .24	J	pCi/g
Thorium-232	5.20		NV	pCi/g	1.30	+/- .44	J	pCi/g	.06	+/- .13	UJ	pCi/g
Uranium, Total	1710.00	+/- 242	J	ug/g	472.00	+/- 66.7	J	ug/g	4.50	+/- .6	J	ug/g
Uranium-233/234												
Uranium-234	536.00		NV	pCi/g	125.60	+/- 34.98	J	pCi/g	.64	+/- .23	J	pCi/g
Uranium-235					11.20	+/- 3.8	J	pCi/g	-.10	+/- .1	UJ	pCi/g
Uranium-235/236	69.30		NV	pCi/g								
Uranium-236												
Uranium-238	578.00		NV	pCi/g	124.70	+/- 34.71	J	pCi/g	1.06	+/- .21	J	pCi/g

000323

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Radionuclides

Material:	MASONRY CHIPS				ACID BRICK			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	69-006				69-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.01		NV	pCi/g	-.04		NV	pCi/g
Cesium-137	.40		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	17.90	+/- 2.7	J	pCi/g	2.80	+/- .5	J	pCi/g
Neptunium-237	.13		NV	pCi/g	.09		NV	pCi/g
Plutonium-238	.45		NV	pCi/g	.49		NV	pCi/g
Plutonium-239								
Plutonium-239/240	.14		NV	pCi/g	.11		NV	pCi/g
Plutonium-241	.31		NV	pCi/g	.30		NV	pCi/g
Polonium-210	4.19		NV	pCi/g	.54		NV	pCi/g
Radium-226	9.90	+/- 1.6	-	pCi/g	5.80	+/- 1	-	pCi/g
Radium-228	7.10	+/- 1.1	-	pCi/g	2.10	+/- .5	-	pCi/g
Strontium-90	.20		UJ	pCi/g	.40		UJ	pCi/g
Technetium-99	22.40	+/- 5.6	-	pCi/g	28.90	+/- 7.2	-	pCi/g
Thorium-227								
Thorium-228	13.70		NV	pCi/g	2.92		NV	pCi/g
Thorium-230	20.70		NV	pCi/g	2.10		NV	pCi/g
Thorium-232	8.27		NV	pCi/g	1.73		NV	pCi/g
Uranium, Total	2300.00	+/- 324	J	ug/g	221.00	+/- 31.2	J	ug/g
Uranium-233/234								
Uranium-234	740.00		NV	pCi/g	65.30		NV	pCi/g
Uranium-235								
Uranium-235/236	60.10		NV	pCi/g	6.65		NV	pCi/g
Uranium-236								
Uranium-238	792.00		NV	pCi/g	73.20		NV	pCi/g

000324

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 71 - General In-Process Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				2			
Sample:	71-001				71-003				71-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.03		NV	pCi/g	-.04		NV	pCi/g	-.02		NV	pCi/g
Cesium-137	.20		UJ	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Lead-210	15.60	+/- 3.3	J	pCi/g	.30	+/- .2	J	pCi/g	1.00	+/- .3	J	pCi/g
Neptunium-237	11.00		NV	pCi/g	.07		NV	pCi/g	.44		NV	pCi/g
Plutonium-238	.08		NV	pCi/g	.00		NV	pCi/g	.01		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.10		NV	pCi/g	.00		NV	pCi/g	.07		NV	pCi/g
Plutonium-241	9.20		NV	pCi/g	.92		NV	pCi/g	.12		NV	pCi/g
Polonium-210	.68		NV	pCi/g	.29		NV	pCi/g	.42		NV	pCi/g
Radium-226	12.70	+/- 2.6	-	pCi/g	1.20	+/- .2	-	pCi/g	1.40	+/- .3	-	pCi/g
Radium-228	3.10	+/- 2.9	J	pCi/g	.35	+/- .29	J	pCi/g	.50	+/- .3	J	pCi/g
Strontium-90	1.40		UJ	pCi/g	.23	+/- .3	R	pCi/g	.30		UJ	pCi/g
Technetium-99	571.00	+/- 265	J	pCi/g	.40	+/- .3	J	pCi/g	14.00	+/- 3.5	-	pCi/g
Thorium-227												
Thorium-228	8.30		NV	pCi/g	.29		NV	pCi/g	.65		NV	pCi/g
Thorium-230	28.00		NV	pCi/g	.61		NV	pCi/g	1.30		NV	pCi/g
Thorium-232	2.50		NV	pCi/g	.23		NV	pCi/g	.32		NV	pCi/g
Uranium, Total	10800.00	+/- 1520	-	ug/g	4.40	+/- .6	-	ug/g	640.00	+/- 90.5	-	ug/g
Uranium-233/234												
Uranium-234	12100.00	+/- 1180	NV	pCi/g	1.30		NV	pCi/g	199.00		NV	pCi/g
Uranium-235												
Uranium-235/236	1120.00	+/- 122	NV	pCi/g	.08		NV	pCi/g	17.00		NV	pCi/g
Uranium-236												
Uranium-238	4360.00	+/- 433	NV	pCi/g	1.40		NV	pCi/g	192.00		NV	pCi/g

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2128

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 71 - General In-Process Warehouse
Analytical Results - Radionuclides

Material:	MASONRY CHIPS			
Depth:	0-.5"			
Process Area:	2			
Sample:	71-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.07		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.30	+/- .2	J	pCi/g
Neptunium-237	-.02		NV	pCi/g
Plutonium-238	.00		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.00		NV	pCi/g
Plutonium-241	.43		NV	pCi/g
Polonium-210	.44		NV	pCi/g
Radium-226	.80	+/- .2	-	pCi/g
Radium-228	.50		UJ	pCi/g
Strontium-90	.30	+/- .4	J	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.36		NV	pCi/g
Thorium-230	.75		NV	pCi/g
Thorium-232	.30		NV	pCi/g
Uranium, Total	12.70	+/- 1.8	-	ug/g
Uranium-233/234				
Uranium-234	2.60		NV	pCi/g
Uranium-235				
Uranium-235/236	.23		NV	pCi/g
Uranium-236				
Uranium-238	3.30		NV	pCi/g

000326

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 72 - Drum Storage Building
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	72-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.00		UJ	pCi/g
Cesium-137	.30		UJ	pCi/g
Lead-210	2.00	+/- .4	J	pCi/g
Neptunium-237	-.26	+/- .3606	UJ	pCi/g
Plutonium-238	.00	+/- .1	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.06	+/- .05	J	pCi/g
Plutonium-241				
Polonium-210	2.70	+/- .4	-	pCi/g
Radium-226	3.30	+/- .6	-	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.40	+/- .4	J	pCi/g
Technetium-99	.60	+/- .3	J	pCi/g
Thorium-227				
Thorium-228	.24	+/- .13	J	pCi/g
Thorium-230	3.52	+/- .59	J	pCi/g
Thorium-232	.13	+/- .13	J	pCi/g
Uranium, Total	75.30	+/- 10.6	J	ug/g
Uranium-233/234				
Uranium-234	41.95	+/- 6.91	J	pCi/g
Uranium-235	2.50	+/- .88	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	32.00	+/- 5.34	J	pCi/g

225003

3212

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74A-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.04		UJ	pCi/g
Cesium-137	.11	+/- .0355	-	pCi/g
Lead-210	5.18		UJ	pCi/g
Neptunium-237	.13	+/- .0526	J	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241				
Polonium-210	.46	+/- .101	-	pCi/g
Radium-226	.66	+/- .0861	-	pCi/g
Radium-228	.41	+/- .109	-	pCi/g
Strontium-90	.24		UJ	pCi/g
Technetium-99	2.27	+/- .619	-	pCi/g
Thorium-227				
Thorium-228	.24	+/- .0592	-	pCi/g
Thorium-230	.22	+/- .108	-	pCi/g
Thorium-232	.10	+/- .035	-	pCi/g
Uranium, Total	601.00	+/- 36.6	-	ug/g
Uranium-233/234				
Uranium-234	234.00	+/- 23.5	J	pCi/g
Uranium-235				
Uranium-235/236	33.70	+/- 3.97	J	pCi/g
Uranium-236				
Uranium-238	262.00	+/- 26.2	J	pCi/g

82000

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74B - Plant 2 West Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74B-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.23		UJ	pCi/g
Cesium-137	.14	+/- .0342	-	pCi/g
Lead-210	4.39	+/- 2.22	J	pCi/g
Neptunium-237	.11	+/- .0509	J	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241				
Polonium-210	.88	+/- .128	-	pCi/g
Radium-226	.69	+/- .0801	-	pCi/g
Radium-228	.30	+/- .0922	-	pCi/g
Strontium-90	.21		UJ	pCi/g
Technetium-99	5.13	+/- .811	-	pCi/g
Thorium-227				
Thorium-228	.43	+/- .0728	-	pCi/g
Thorium-230	2.34	+/- .241	-	pCi/g
Thorium-232	.23	+/- .0451	-	pCi/g
Uranium, Total	265.00	+/- 16.1	-	ug/g
Uranium-233/234				
Uranium-234	133.00	+/- 13.8	J	pCi/g
Uranium-235				
Uranium-235/236	28.80	+/- 3.5	J	pCi/g
Uranium-236				
Uranium-238	123.00	+/- 12.7	J	pCi/g

000329

7128

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74C-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.20		UJ	pCi/g
Lead-210	16.50	+/- 2.5	J	pCi/g
Neptunium-237	.05		NV	pCi/g
Plutonium-238	.30		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.06		NV	pCi/g
Plutonium-241	.67		NV	pCi/g
Polonium-210	.90		NV	pCi/g
Radium-226	1.50	+/- .3	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.40	+/- .4	J	pCi/g
Technetium-99	4.00	+/- 1.1	J	pCi/g
Thorium-227				
Thorium-228	1.00		NV	pCi/g
Thorium-230	1.50		NV	pCi/g
Thorium-232	.44		NV	pCi/g
Uranium, Total	1640.00	+/- 231	J	ug/g
Uranium-233/234				
Uranium-234	330.00		NV	pCi/g
Uranium-235				
Uranium-235/236	64.00		NV	pCi/g
Uranium-236				
Uranium-238	530.00		NV	pCi/g

000330

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74D-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/g
Cesium-137	.09	+/- .039	-	pCi/g
Lead-210	1.20	+/- .32	-	pCi/g
Neptunium-237	.12		UJ	pCi/g
Plutonium-238	.07		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.16		UJ	pCi/g
Plutonium-241				
Polonium-210	.88	+/- .44	J	pCi/g
Radium-226	.43	+/- .1	-	pCi/g
Radium-228	.36	+/- .46	J	pCi/g
Strontium-90	1.30	+/- .48	-	pCi/g
Technetium-99	5.30	+/- 2.7	J	pCi/g
Thorium-227				
Thorium-228	1.20	+/- .38	-	pCi/g
Thorium-230	5.50	+/- .8	-	pCi/g
Thorium-232	.79	+/- .23	-	pCi/g
Uranium, Total	2600.00	+/- 160	-	ug/g
Uranium-233/234				
Uranium-234	1300.00	+/- 190	J	pCi/g
Uranium-235				
Uranium-235/236	62.00	+/- 10	J	pCi/g
Uranium-236				
Uranium-238	1200.00	+/- 180	J	pCi/g

000331

3212

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74E - Plant 4 Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74E-002				74E-003			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.02		UJ	pCi/g	.02		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g	.03	+/- .0253	J	pCi/g
Lead-210	2.29	+/- .587	-	pCi/g	2.12	+/- .623	-	pCi/g
Neptunium-237	.04	+/- .0348	J	pCi/g	.10		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g	.01		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.01		UJ	pCi/g	.04	+/- .013	-	pCi/g
Plutonium-241								
Polonium-210	.48	+/- .088	-	pCi/g	.51	+/- .0902	-	pCi/g
Radium-226	.73	+/- .0889	-	pCi/g	.56	+/- .0775	-	pCi/g
Radium-228	.28	+/- .102	-	pCi/g	.15	+/- .101	J	pCi/g
Strontium-90	.20		UJ	pCi/g	.17		UJ	pCi/g
Technetium-99	5.57	+/- .714	-	pCi/g	7.70	+/- .883	-	pCi/g
Thorium-227								
Thorium-228	.40	+/- .0685	-	pCi/g	.38	+/- .0665	-	pCi/g
Thorium-230	.48	+/- .117	-	pCi/g	.50	+/- .117	-	pCi/g
Thorium-232	.23	+/- .0431	-	pCi/g	.19	+/- .0405	-	pCi/g
Uranium, Total	50.50	+/- 3.08	-	ug/g	85.30	+/- 5.27	-	ug/g
Uranium-233/234								
Uranium-234	14.20	+/- 1.23	J	pCi/g	25.30	+/- 2.26	J	pCi/g
Uranium-235								
Uranium-235/236	2.12	+/- .224	J	pCi/g	3.43	+/- .367	J	pCi/g
Uranium-236								
Uranium-238	18.30	+/- 1.58	J	pCi/g	36.90	+/- 3.26	J	pCi/g

000382

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74F - Plant 7 Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74F-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	1.90	+/- .4	J	pCi/g
Neptunium-237	-.02	+/- .0261	UJ	pCi/g
Plutonium-238	-.05	+/- .09	UJ	pCi/g
Plutonium-239	.03	+/- .03	UJ	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.30	+/- .2	-	pCi/g
Radium-226	1.00	+/- .2	-	pCi/g
Radium-228	.30	+/- .2	J	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	3.10	+/- .8	-	pCi/g
Thorium-227				
Thorium-228	.43	+/- .11	J	pCi/g
Thorium-230	1.00	+/- .21	J	pCi/g
Thorium-232	.32	+/- .09	J	pCi/g
Uranium, Total	169.00	+/- 23.9	J	ug/g
Uranium-233/234				
Uranium-234	89.95	+/- 17.06	J	pCi/g
Uranium-235	8.85	+/- 2.7	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	123.30	+/- 22.81	J	pCi/g

000333

2123

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74G-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.11		UJ	pCi/g
Cesium-137	.29	+/- .0806	-	pCi/g
Lead-210	4.52		UJ	pCi/g
Neptunium-237	.16		UJ	pCi/g
Plutonium-238	.05	+/- .0373	J	pCi/g
Plutonium-239				
Plutonium-239/240	.21	+/- .0757	-	pCi/g
Plutonium-241	1.24	+/- .82	J	pCi/g
Polonium-210	.83	+/- .209	-	pCi/g
Radium-226	.74	+/- .142	-	pCi/g
Radium-228	.43	+/- .181	-	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	58.10	+/- 4.85	-	pCi/g
Thorium-227				
Thorium-228	5.75	+/- .779	J	pCi/g
Thorium-230	1.68	+/- .298	J	pCi/g
Thorium-232	4.14	+/- .57	J	pCi/g
Uranium, Total	3680.00	+/- 233	-	ug/g
Uranium-233/234				
Uranium-234	224.00	+/- 23.6	-	pCi/g
Uranium-235				
Uranium-235/236	23.60	+/- 5.42	-	pCi/g
Uranium-236				
Uranium-238	500.00	+/- 47.2	-	pCi/g

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74H-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.02		UJ	pCi/g
Cesium-137	.09	+/- .0238	-	pCi/g
Lead-210	6.17		UJ	pCi/g
Neptunium-237	.04		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01		UJ	pCi/g
Plutonium-241				
Polonium-210	.55	+/- .106	-	pCi/g
Radium-226	.66	+/- .0694	-	pCi/g
Radium-228	.35	+/- .0695	-	pCi/g
Strontium-90	.19		UJ	pCi/g
Technetium-99	2.66	+/- .453	-	pCi/g
Thorium-227				
Thorium-228	.43	+/- .0707	-	pCi/g
Thorium-230	.54	+/- .121	-	pCi/g
Thorium-232	.25	+/- .045	-	pCi/g
Uranium, Total	472.00	+/- 28.7	-	ug/g
Uranium-233/234				
Uranium-234	43.30	+/- 5.65	J	pCi/g
Uranium-235				
Uranium-235/236	12.20	+/- 2.18	J	pCi/g
Uranium-236				
Uranium-238	204.00	+/- 22.9	J	pCi/g

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74J - Plant 6 Pads
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74J-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.05		UJ	pCi/g
Cesium-137	.06	+/- .041	J	pCi/g
Lead-210	.81		UJ	pCi/g
Neptunium-237	.25	+/- .08	-	pCi/g
Plutonium-238	.02		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.03		UJ	pCi/g
Plutonium-241				
Polonium-210	.30	+/- .67	J	pCi/g
Radium-226	.35	+/- .12	-	pCi/g
Radium-228	.20	+/- .12	J	pCi/g
Strontium-90	.16		UJ	pCi/g
Technetium-99	.56	+/- .44	J	pCi/g
Thorium-227				
Thorium-228	.31		UJ	pCi/g
Thorium-230	.97	+/- 2.9	J	pCi/g
Thorium-232	.40	+/- 2.9	J	pCi/g
Uranium, Total	430.00	+/- 90	J	ug/g
Uranium-233/234				
Uranium-234	190.00	+/- 29	-	pCi/g
Uranium-235				
Uranium-235/236	13.00	+/- 4.9	-	pCi/g
Uranium-236				
Uranium-238	200.00	+/- 29	-	pCi/g

000336

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74K - Plant 9 Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74K-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.16	+/- .59	J	pCi/g
Cesium-137	.17		UJ	pCi/g
Lead-210	2.60		UJ	pCi/g
Neptunium-237	.20		UJ	pCi/g
Plutonium-238	.15	+/- .39	J	pCi/g
Plutonium-239				
Plutonium-239/240	1.40	+/- .46	J	pCi/g
Plutonium-241	2.04	+/- 1.14	J	pCi/g
Polonium-210	.71	+/- .72	J	pCi/g
Radium-226	.45	+/- .25	J	pCi/g
Radium-228	.54		UJ	pCi/g
Strontium-90	.21		UJ	pCi/g
Technetium-99	97.00	+/- 11	J	pCi/g
Thorium-227				
Thorium-228	2.10	+/- 12	J	pCi/g
Thorium-230	5.40	+/- 12	J	pCi/g
Thorium-232	1.10		UJ	pCi/g
Uranium, Total	2700.00	+/- 500	-	ug/g
Uranium-233/234				
Uranium-234	920.00	+/- 140	-	pCi/g
Uranium-235				
Uranium-235/236	120.00	+/- 25	-	pCi/g
Uranium-236				
Uranium-238	890.00	+/- 130	-	pCi/g

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74L - Building 65 West Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74L-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	13.00	+/- 2	-	pCi/g
Cesium-137	.92		UJ	pCi/g
Lead-210	8.40		UJ	pCi/g
Neptunium-237	.14	+/- .07	J	pCi/g
Plutonium-238	1.60	+/- 1.3	J	pCi/g
Plutonium-239				
Plutonium-239/240	.18	+/- 1.3	J	pCi/g
Plutonium-241	7.80		UJ	pCi/g
Polonium-210	6.70	+/- 2.5	-	pCi/g
Radium-226	3.40	+/- 1.5	-	pCi/g
Radium-228	200.00	+/- 46	-	pCi/g
Strontium-90	7.90		UJ	pCi/g
Technetium-99	43.00	+/- 5	-	pCi/g
Thorium-227	62.00	+/- 10	J	pCi/g
Thorium-228	140.00	+/- 20	-	pCi/g
Thorium-230	40.00	+/- 6.3	-	pCi/g
Thorium-232	120.00	+/- 17	-	pCi/g
Uranium, Total	5100.00	+/- 1000	J	ug/g
Uranium-233/234				
Uranium-234	2400.00	+/- 360	-	pCi/g
Uranium-235				
Uranium-235/236	340.00	+/- 64	-	pCi/g
Uranium-236				
Uranium-238	1900.00	+/- 280	-	pCi/g

0033638

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74M - Building 64 East Pad & R.R. Dock
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74M-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15	+/- .28	J	pCi/g
Cesium-137	2.50	+/- .76	-	pCi/g
Lead-210	.71		UJ	pCi/g
Neptunium-237	.05		UJ	pCi/g
Plutonium-238	.01		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.04		UJ	pCi/g
Plutonium-241	-18.00	+/- 2.8	UJ	pCi/g
Polonium-210	.66	+/- .69	J	pCi/g
Radium-226	.33	+/- .12	-	pCi/g
Radium-228	.90	+/- .3	-	pCi/g
Strontium-90	.18		UJ	pCi/g
Technetium-99	11.00	+/- 1.4	-	pCi/g
Thorium-227				
Thorium-228	1.10	+/- 2.8	J	pCi/g
Thorium-230	2.00	+/- 2.8	J	pCi/g
Thorium-232	.75	+/- 2.8	J	pCi/g
Uranium, Total	260.00	+/- 50	J	ug/g
Uranium-233/234				
Uranium-234	56.00	+/- 9.3	-	pCi/g
Uranium-235				
Uranium-235/236	7.20	+/- 4.2	J	pCi/g
Uranium-236				
Uranium-238	110.00	+/- 18	-	pCi/g

000239

2173

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74N-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.04		UJ	pCi/g
Cesium-137	.04	+/- .032	J	pCi/g
Lead-210	.30		UJ	pCi/g
Neptunium-237	.06		UJ	pCi/g
Plutonium-238	.03		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.04		UJ	pCi/g
Plutonium-241				
Polonium-210	.32	+/- .65	J	pCi/g
Radium-226	.25	+/- .1	-	pCi/g
Radium-228	.12	+/- .16	J	pCi/g
Strontium-90	.14		UJ	pCi/g
Technetium-99	.52		UJ	pCi/g
Thorium-227				
Thorium-228	.21	+/- .73	J	pCi/g
Thorium-230	.38	+/- .74	J	pCi/g
Thorium-232	.23	+/- .73	J	pCi/g
Uranium, Total	9.00	+/- 2	-	ug/g
Uranium-233/234				
Uranium-234	2.90	+/- .62	-	pCi/g
Uranium-235				
Uranium-235/236	.21	+/- .42	J	pCi/g
Uranium-236				
Uranium-238	4.00	+/- .83	-	pCi/g

0003340

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74P - Decontamination Pad
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	74P-003				74P-004				74P-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.03		NV	pCi/g	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	.30	+/- .2	J	pCi/g	.00		UJ	pCi/g	.03		UJ	pCi/g
Lead-210	6.50	+/- 1	J	pCi/g	.50	+/- .3	J	pCi/g	.50	+/- .3	J	pCi/g
Neptunium-237	.25		NV	pCi/g	.07	+/- .04	J	pCi/g	.05	+/- .03	J	pCi/g
Plutonium-238	.03		NV	pCi/g	.00	+/- .1	UJ	pCi/g	.00	+/- .1	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.00		NV	pCi/g	.00	+/- .03	UJ	pCi/g	-.02	+/- .03	UJ	pCi/g
Plutonium-241	.89		NV	pCi/g								
Polonium-210	3.60	+/- .5	-	pCi/g	.80	+/- .2	-	pCi/g	.90	+/- .2	-	pCi/g
Radium-226	5.70	+/- .9	J	pCi/g	1.00	+/- .2	-	pCi/g	.70	+/- .2	-	pCi/g
Radium-228	1.00	+/- .4	-	pCi/g	.30		UJ	pCi/g	.30		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	.20	+/- .3	R	pCi/g	.20	+/- .3	R	pCi/g
Technetium-99	.30		UJ	pCi/g	.50	+/- .3	J	pCi/g	.40	+/- .3	J	pCi/g
Thorium-227												
Thorium-228	1.10		NV	pCi/g	.17	+/- .12	J	pCi/g	.15	+/- .12	J	pCi/g
Thorium-230	.81		NV	pCi/g	.12	+/- .23	UJ	pCi/g	.17	+/- .24	J	pCi/g
Thorium-232	.42		NV	pCi/g	-.01	+/- .12	UJ	pCi/g	.04	+/- .13	UJ	pCi/g
Uranium, Total	309.00	+/- 43.6	J	ug/g	6.80	+/- 1	J	ug/g	2.70	+/- .4	J	ug/g
Uranium-233/234												
Uranium-234	108.70	+/- 19.68	J	pCi/g	1.60	+/- .33	J	pCi/g	.01	+/- .19	UJ	pCi/g
Uranium-235	5.90	+/- 2.87	J	pCi/g	-.10	+/- .11	UJ	pCi/g	-.20	+/- .1	UJ	pCi/g
Uranium-235/236												
Uranium-236												
Uranium-238	119.60	+/- 21.23	J	pCi/g	2.20	+/- .36	J	pCi/g	.59	+/- .16	J	pCi/g

0003421

3212

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74P - Decontamination Pad
Analytical Results - Radionuclides

Material:	CONCRETE CORE				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74P-006 DUP				74P-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.12		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.15	+/- .068	-	pCi/g
Lead-210	3.80	+/- .7	J	pCi/g	2.40	+/- .44	-	pCi/g
Neptunium-237	.08	+/- .03	J	pCi/g	.12		UJ	pCi/g
Plutonium-238	.10	+/- .1	J	pCi/g	.15	+/- .16	J	pCi/g
Plutonium-239								
Plutonium-239/240	.00	+/- .04	UJ	pCi/g	.14		UJ	pCi/g
Plutonium-241								
Polonium-210	3.00	+/- .5	-	pCi/g	6.60	+/- 2.9	-	pCi/g
Radium-226	4.60	+/- .8	-	pCi/g	2.30	+/- .2	-	pCi/g
Radium-228	.40	+/- .3	J	pCi/g	1.60	+/- .73	-	pCi/g
Strontium-90	.30		UJ	pCi/g	.18		UJ	pCi/g
Technetium-99	.40	+/- .3	J	pCi/g	5.00	+/- .7	-	pCi/g
Thorium-227								
Thorium-228	.59	+/- .17	J	pCi/g	1.80	+/- .28	J	pCi/g
Thorium-230	.33	+/- .25	J	pCi/g	1.90	+/- .27	J	pCi/g
Thorium-232	.26	+/- .15	J	pCi/g	1.20	+/- .19	J	pCi/g
Uranium, Total	336.00	+/- 47.4	J	ug/g	240.00	+/- 15	-	ug/g
Uranium-233/234								
Uranium-234	87.92	+/- 16.33	J	pCi/g	.34		UJ	pCi/g
Uranium-235	3.60	+/- 2.54	J	pCi/g				
Uranium-235/236					.11		UJ	pCi/g
Uranium-236								
Uranium-238	94.58	+/- 17.16	J	pCi/g	.33		UJ	pCi/g

000342

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				ACID BRICK				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	74Q-002				74Q-003				74Q-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.01		NV	pCi/g	-.03		NV	pCi/g	-.04		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	.04		UJ	pCi/g	.05		UJ	pCi/g
Lead-210	2.70	+/- .5	J	pCi/g	3.50	+/- .6	J	pCi/g	1.30	+/- .3	J	pCi/g
Neptunium-237	.38		NV	pCi/g	.02		NV	pCi/g	.02		NV	pCi/g
Plutonium-238	.07		NV	pCi/g	.08		NV	pCi/g	.01		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.06		NV	pCi/g	.22		NV	pCi/g	.01		NV	pCi/g
Plutonium-241	1.70		NV	pCi/g	.63		NV	pCi/g	-.01		NV	pCi/g
Polonium-210	.70		NV	pCi/g	1.10		NV	pCi/g	.57		NV	pCi/g
Radium-226	1.00	+/- .2	J	pCi/g	1.70	+/- .3	J	pCi/g	1.20	+/- .2	J	pCi/g
Radium-228	.40	+/- .3	J	pCi/g	.70	+/- .3	J	pCi/g	.30		UJ	pCi/g
Strontium-90	.40		UJ	pCi/g	3.30		UJ	pCi/g	1.30		UJ	pCi/g
Technetium-99	12.50	+/- 9.6	J	pCi/g	6.30	+/- 1.7	J	pCi/g	.50		UJ	pCi/g
Thorium-227												
Thorium-228	.55		NV	pCi/g	2.40		NV	pCi/g	.26		NV	pCi/g
Thorium-230	1.40		NV	pCi/g	2.90		NV	pCi/g	.55		NV	pCi/g
Thorium-232	.41		NV	pCi/g	1.60		NV	pCi/g	.14		NV	pCi/g
Uranium, Total	1040.00	+/- 147	J	ug/g	125.00	+/- 17.7	J	ug/g	49.60	+/- 7	J	ug/g
Uranium-233/234												
Uranium-234	370.00		NV	pCi/g	47.00		NV	pCi/g	19.00		NV	pCi/g
Uranium-235												
Uranium-235/236	27.00		NV	pCi/g	4.60		NV	pCi/g	1.20		NV	pCi/g
Uranium-236												
Uranium-238	362.00		NV	pCi/g	43.00		NV	pCi/g	18.00		NV	pCi/g

000343

2123

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	74R-003R				74R-004R				74R-005R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		NV	pCi/g	.20	+/- .1	UJ	pCi/g	.20	+/- .1	UJ	pCi/g
Cesium-137	.50	+/- .1	-	pCi/g	.10	+/- 0	-	pCi/g	.10		UJ	pCi/g
Lead-210	5.80	+/- .9	J	pCi/g	.70	+/- .2	J	pCi/g	.50	+/- .2	J	pCi/g
Neptunium-237	.17		NV	pCi/g	.05	+/- .0505	UJ	pCi/g	.03	+/- .0563	UJ	pCi/g
Plutonium-238	.04		NV	pCi/g	.20	+/- .2	UJ	pCi/g	.20	+/- .2	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.53		NV	pCi/g	.10	+/- .1	J	pCi/g	.10	+/- .1	UJ	pCi/g
Plutonium-241	1.70		NV	pCi/g								
Polonium-210	.81		NV	pCi/g	1.20	+/- .2	-	pCi/g	1.30	+/- .2	-	pCi/g
Radium-226	2.70	+/- .7	J	pCi/g	1.20	+/- .2	-	pCi/g	1.10	+/- .5	J	pCi/g
Radium-228	.80	+/- .3	J	pCi/g	.40	+/- .2	J	pCi/g	.20		UJ	pCi/g
Strontium-90	1.10		UJ	pCi/g	1.10		UJ	pCi/g	.80		UJ	pCi/g
Technetium-99	71.60	+/- 36.5	J	pCi/g	12.80	+/- 6.6	J	pCi/g	2.80	+/- 1.5	J	pCi/g
Thorium-227												
Thorium-228	1.30		NV	pCi/g	.19		UJ	pCi/g	.35	+/- .29	J	pCi/g
Thorium-230	6.30		NV	pCi/g	.73	+/- .29	J	pCi/g	.73	+/- .49	J	pCi/g
Thorium-232	.53		NV	pCi/g	.13		UJ	pCi/g	.25	+/- .25	UJ	pCi/g
Uranium, Total	1330.00	+/- 188	-	ug/g	75.30	+/- 10.7	-	ug/g	3.60	+/- .5	-	ug/g
Uranium-233/234												
Uranium-234	450.00		NV	pCi/g								
Uranium-235												
Uranium-235/236	52.00		NV	pCi/g								
Uranium-236												
Uranium-238	420.00		NV	pCi/g								

000344

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74S-002

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.03		UJ	pCi/g
Lead-210	.50	+/- .2	J	pCi/g
Neptunium-237	.01	+/- .01614	J	pCi/g
Plutonium-238	.01	+/- .11	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.00	+/- .05	UJ	pCi/g
Plutonium-241				
Polonium-210	.80	+/- .2	-	pCi/g
Radium-226	.80	+/- .2	J	pCi/g
Radium-228	.30		UJ	pCi/g
Strontium-90	.31	+/- .37	J	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.18	+/- .07443	J	pCi/g
Thorium-230	.55	+/- .1492	J	pCi/g
Thorium-232	.30	+/- .1	-	pCi/g
Uranium, Total	3.00	+/- .4	-	ug/g
Uranium-233/234				
Uranium-234	1.10	+/- .2	J	pCi/g
Uranium-235				
Uranium-235/236	.04		UJ	pCi/g
Uranium-236				
Uranium-238	1.10	+/- .2	J	pCi/g

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	74T-002				74T-003(TCLP)				74T-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.05		NV	pCi/g	10.80	+/- 6.1	R	pCi/L	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g	6.90		UJ	pCi/L	1.40	+/- .2	J	pCi/g
Lead-210	9.30	+/- 3.6	J	pCi/g	1.00		UJ	pCi/L	.90	+/- .2	J	pCi/g
Neptunium-237	.12		NV	pCi/g	34.70	+/- 7.4	R	pCi/L	.00		NV	pCi/g
Plutonium-238	.02		NV	pCi/g	3.10	+/- 2.1	UJ	pCi/L	.00		NV	pCi/g
Plutonium-239												
Plutonium-239/240	.03		NV	pCi/g	3.00	+/- 1.7	UJ	pCi/L	.01		NV	pCi/g
Plutonium-241	7.80		NV	pCi/g					.78		NV	pCi/g
Polonium-210	.48		NV	pCi/g	.90	+/- .8	UJ	pCi/L	.81		NV	pCi/g
Radium-226	4.40	+/- .6	J	pCi/g	1.00	+/- .3	-	pCi/L	1.00	+/- .1	-	pCi/g
Radium-228	.50	+/- .4	J	pCi/g	1.40		UJ	pCi/L	.30	+/- .2	J	pCi/g
Strontium-90	1.30		UJ	pCi/g	3.00	+/- 1.9	J	pCi/L	.60		UJ	pCi/g
Technetium-99	18.10	+/- 3	J	pCi/g	91.20	+/- 26.2	-	pCi/L	120.00	+/- 24.3	J	pCi/g
Thorium-227												
Thorium-228	2.90		NV	pCi/g	2.50	+/- 3.2	R	pCi/L	.54		NV	pCi/g
Thorium-230	1.80		NV	pCi/g	1.00	+/- 1.5	R	pCi/L	.53		NV	pCi/g
Thorium-232	.41		NV	pCi/g	3.80	+/- 2.4	R	pCi/L	.13		NV	pCi/g
Uranium, Total	3520.00	+/- 498	J	ug/g	77700.00	+/- 7950	-	ug/L	263.00	+/- 37.2	J	ug/g
Uranium-233/234												
Uranium-234	1900.00		NV	pCi/g	2660.00	+/- 2210	UJ	pCi/L	150.00		NV	pCi/g
Uranium-235												
Uranium-235/236	350.00		NV	pCi/g	443.00	+/- 1000	J	pCi/L	19.00		NV	pCi/g
Uranium-236												
Uranium-238	1330.00		NV	pCi/g	1620.00	+/- 1550	UJ	pCi/L	96.00		NV	pCi/g

000346

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74T-010			
	DUP			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/g
Cesium-137	1.30	+/- .1	J	pCi/g
Lead-210	2.50	+/- .4	J	pCi/g
Neptunium-237	.01	+/- .017	UJ	pCi/g
Plutonium-238	-.09	+/- .1767	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241			NV	pCi/g
Polonium-210	1.10	+/- .3	J	pCi/g
Radium-226	.90	+/- .1	-	pCi/g
Radium-228	.20		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	62.90	+/- 12.8	J	pCi/g
Thorium-227				
Thorium-228	1.03	+/- .6312	R	pCi/g
Thorium-230	1.97	+/- .9682	R	pCi/g
Thorium-232	2.42	+/- 1.127	R	pCi/g
Uranium, Total	238.00	+/- 33.6	J	ug/g
Uranium-233/234				
Uranium-234	196.30	+/- 43.65	J	pCi/g
Uranium-235				
Uranium-235/236	61.11	+/- 14.59	J	pCi/g
Uranium-236				
Uranium-238	144.30	+/- 32.46	J	pCi/g

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74U - Pilot Plant Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74U-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.00		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.50	+/- .2	-	pCi/g
Neptunium-237	-.01		NV	pCi/g
Plutonium-238	.00		NV	pCi/g
Plutonium-239				
Plutonium-239/240	-.01		NV	pCi/g
Plutonium-241	.23		NV	pCi/g
Polonium-210	1.00	+/- .2	-	pCi/g
Radium-226	1.20	+/- .5	J	pCi/g
Radium-228	.40	+/- .2	J	pCi/g
Strontium-90	1.00		UJ	pCi/g
Technetium-99	.60		UJ	pCi/g
Thorium-227				
Thorium-228	.49		NV	pCi/g
Thorium-230	.88		NV	pCi/g
Thorium-232	.17		NV	pCi/g
Uranium, Total	11.20	+/- 1.6	-	ug/g
Uranium-233/234				
Uranium-234	2.90		NV	pCi/g
Uranium-235				
Uranium-235/236	.30		NV	pCi/g
Uranium-236				
Uranium-238	3.70		NV	pCi/g

0003748

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74V - Laboratory Pad
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74V-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	-.03		NV	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.50	+/- .3	J	pCi/g
Neptunium-237	.02		NV	pCi/g
Plutonium-238	-.01		NV	pCi/g
Plutonium-239				
Plutonium-239/240	.01		NV	pCi/g
Plutonium-241	-.34		NV	pCi/g
Polonium-210	1.00	+/- .2	-	pCi/g
Radium-226	.90	+/- .2	-	pCi/g
Radium-228	.20		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g
Thorium-227				
Thorium-228	.29		NV	pCi/g
Thorium-230	.92		NV	pCi/g
Thorium-232	.09		NV	pCi/g
Uranium, Total	3.30	+/- .5	J	ug/g
Uranium-233/234				
Uranium-234	.58		NV	pCi/g
Uranium-235				
Uranium-235/236	.05		NV	pCi/g
Uranium-236				
Uranium-238	.73		NV	pCi/g

000349

7128

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Radionuclides

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	74W-002A				74W-003A				74W-004A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	-.01		NV	pCi/g	.00		NV	pCi/g	.00		NV	pCi/g
Cesium-137	.00		UJ	pCi/g	.10		UJ	pCi/g	.00		UJ	pCi/g
Lead-210	.60		UJ	pCi/g	4.30	+/- 1.8	J	pCi/g	2.20	+/- 1.2	J	pCi/g
Neptunium-237	.03		NV	pCi/g	-.01	+/- .05	UJ	pCi/g	.00	+/- .07	UJ	pCi/g
Plutonium-238	.00		NV	pCi/g	.30		UJ	pCi/g	.12	+/- .1694	J	pCi/g
Plutonium-239												
Plutonium-239/240	.01		NV	pCi/g	.30		UJ	pCi/g	.10	+/- .2	R	pCi/g
Plutonium-241	-.23		NV	pCi/g			NV	pCi/g			NV	pCi/g
Polonium-210	.14		NV	pCi/g	4.80	+/- 1.3	J	pCi/g	.70	+/- .3	-	pCi/g
Radium-226	1.10	+/- .3	-	pCi/g	4.30	+/- .7	-	pCi/g	.90	+/- .1	-	pCi/g
Radium-228	1.40	+/- 1	J	pCi/g	.80		UJ	pCi/g	.30	+/- .2	J	pCi/g
Strontium-90	1.30	+/- 1	J	pCi/g	1.80	+/- 1	J	pCi/g	5.20	+/- 1.4	-	pCi/g
Technetium-99	.30		UJ	pCi/g	1.90	+/- .7	-	pCi/g	.30		UJ	pCi/g
Thorium-227												
Thorium-228	.43		NV	pCi/g	-.02	+/- .1	UJ	pCi/g	.32	+/- .2101	J	pCi/g
Thorium-230	1.60		NV	pCi/g	42.77	+/- 28.25	J	pCi/g	1.88	+/- .7	J	pCi/g
Thorium-232	.16		NV	pCi/g	5.52	+/- 3.8	J	pCi/g	.49	+/- .24	J	pCi/g
Uranium, Total	8.40	+/- 1.2	-	ug/g	1130.00	+/- 160	-	ug/g	10.80	+/- 1.5	-	ug/g
Uranium-233/234												
Uranium-234	.95		NV	pCi/g	56.97	+/- 21.86	J	pCi/g	1.09	+/- .4102	J	pCi/g
Uranium-235												
Uranium-235/236	.08		NV	pCi/g	5.42	+/- 4.09	UJ	pCi/g	.06	+/- .05587	UJ	pCi/g
Uranium-236												
Uranium-238	3.00		NV	pCi/g	421.20	+/- 72.41	J	pCi/g	4.05	+/- .6989	J	pCi/g

050250

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 77 - Finished Products Warehouse (4A)
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	77-003				77-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/g	.07		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.57		UJ	pCi/g
Lead-210	.30	+/- .2	J	pCi/g	.61		UJ	pCi/g
Neptunium-237	.07	+/- .0786	UJ	pCi/g	.11	+/- .12	J	pCi/g
Plutonium-238	.00	+/- .18	UJ	pCi/g	.22	+/- .087	J	pCi/g
Plutonium-239	.00	+/- .08	UJ	pCi/g				
Plutonium-239/240					.06		UJ	pCi/g
Plutonium-241					1.40		UJ	pCi/g
Polonium-210	.70	+/- .2	-	pCi/g	2.45	+/- .66	J	pCi/g
Radium-226	1.00	+/- .2	J	pCi/g	3.95	+/- .58	J	pCi/g
Radium-228	.30	+/- .3	J	pCi/g	1.60		UJ	pCi/g
Strontium-90	.50		UJ	pCi/g	.50		UJ	pCi/g
Technetium-99	.30		UJ	pCi/g	.47		UJ	pCi/g
Thorium-227								
Thorium-228	.42	+/- .16	J	pCi/g	1.26	+/- .29	J	pCi/g
Thorium-230	.43	+/- .24	J	pCi/g	8.81	+/- 1.6	J	pCi/g
Thorium-232	.22	+/- .16	J	pCi/g	1.03	+/- .23	J	pCi/g
Uranium, Total	3.00	+/- .4	J	ug/g	102.00	+/- 3	-	ug/g
Uranium-233/234					51.20	+/- 10	J	pCi/g
Uranium-234	1.40	+/- .21	J	pCi/g				
Uranium-235	.13	+/- .05	J	pCi/g				
Uranium-235/236					3.89	+/- .92	J	pCi/g
Uranium-236								
Uranium-238	1.90	+/- .28	J	pCi/g	60.00	+/- 12	J	pCi/g

000351

7173

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 79 - Plant 6 Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	79-003				79-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.12	+/- .062	J	pCi/g
Cesium-137	.05		UJ	pCi/g	.64		UJ	pCi/g
Lead-210	.50	+/- .2	J	pCi/g	.63		UJ	pCi/g
Neptunium-237	.00	+/- .02	UJ	pCi/g	.06		UJ	pCi/g
Plutonium-238	.10		UJ	pCi/g	.14		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.10		UJ	pCi/g	.05		UJ	pCi/g
Plutonium-241					20.00		UJ	pCi/g
Polonium-210	1.90	+/- .4	-	pCi/g	1.36	+/- .35	-	pCi/g
Radium-226	1.00	+/- .2	-	pCi/g	4.23	+/- .64	J	pCi/g
Radium-228	.30	+/- .4	J	pCi/g	1.33	+/- .83	J	pCi/g
Strontium-90	.40	+/- .4	J	pCi/g	.83	+/- .51	J	pCi/g
Technetium-99	.20		UJ	pCi/g	.57	+/- .25	J	pCi/g
Thorium-227								
Thorium-228	.13	+/- .11	J	pCi/g	4.37	+/- 1.7	J	pCi/g
Thorium-230	.67	+/- .19	J	pCi/g	4.70	+/- 1.3	J	pCi/g
Thorium-232	.14	+/- .08	J	pCi/g	2.08	+/- 1	J	pCi/g
Uranium, Total	5.30	+/- .8	J	ug/g	176.00	+/- 6.7	J	ug/g
Uranium-233/234								
Uranium-234	1.31	+/- .21	J	pCi/g	22.90	+/- 4.1	J	pCi/g
Uranium-235								
Uranium-235/236	.09	+/- .04	J	pCi/g	.94	+/- .21	J	pCi/g
Uranium-236								
Uranium-238	1.79	+/- .27	J	pCi/g	21.80	+/- 3.9	J	pCi/g

000352

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 80 - Plant 8 Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	80-003				80-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	3.20	+/- .5	R	pCi/g	.06		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.64		UJ	pCi/g
Lead-210	.60	+/- .3	J	pCi/g	.64		UJ	pCi/g
Neptunium-237	-.01	+/- .02	UJ	pCi/g	.06	+/- .058	J	pCi/g
Plutonium-238	.10	+/- .1	J	pCi/g	.33	+/- .13	J	pCi/g
Plutonium-239								
Plutonium-239/240	.10		UJ	pCi/g	.08	+/- .048	J	pCi/g
Plutonium-241	.00		NV	pCi/g	11.00		UJ	pCi/g
Polonium-210	1.70	+/- .3	-	pCi/g	.66	+/- .23	-	pCi/g
Radium-226	1.10	+/- .3	-	pCi/g	4.54	+/- .69	J	pCi/g
Radium-228	.30	+/- .4	J	pCi/g	1.10		UJ	pCi/g
Strontium-90	.30		UJ	pCi/g	1.58	+/- .62	J	pCi/g
Technetium-99	.20	+/- .2	J	pCi/g	.23		UJ	pCi/g
Thorium-227								
Thorium-228	.30	+/- .12	J	pCi/g	4.31	+/- 1.6	J	pCi/g
Thorium-230	.82	+/- .21	J	pCi/g	3.72	+/- 1.1	J	pCi/g
Thorium-232	.19	+/- .09	J	pCi/g	4.21	+/- 1.3	J	pCi/g
Uranium, Total	4.20	+/- .6	J	ug/g	23.50	+/- .85	J	ug/g
Uranium-233/234								
Uranium-234	.89	+/- .16	J	pCi/g	18.20	+/- 3.3	J	pCi/g
Uranium-235								
Uranium-235/236	.09	+/- .04	J	pCi/g	.83	+/- .19	J	pCi/g
Uranium-236								
Uranium-238	1.08	+/- .19	J	pCi/g	15.30	+/- 2.8	J	pCi/g

C3C000
0035
C3C212

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 81 - Plant 9 Warehouse
Analytical Results - Radionuclides

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	81-003A				81-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.11		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g	.63		UJ	pCi/g
Lead-210	.50	+/- .2	J	pCi/g	.65		UJ	pCi/g
Neptunium-237	.02		UJ	pCi/g	.22		R	pCi/g
Plutonium-238	.20		UJ	pCi/g	.11	+/- .068	J	pCi/g
Plutonium-239								
Plutonium-239/240	.10		UJ	pCi/g	.13	+/- .065	J	pCi/g
Plutonium-241					3.04	+/- 3.2	J	pCi/g
Polonium-210	2.40	+/- .4	-	pCi/g	1.46	+/- .42	J	pCi/g
Radium-226	1.00	+/- .2	-	pCi/g	4.47	+/- .68	J	pCi/g
Radium-228	.60	+/- .4	J	pCi/g	2.71	+/- 1.2	J	pCi/g
Strontium-90	.30		UJ	pCi/g	1.10		UJ	pCi/g
Technetium-99	.40		UJ	pCi/g	.63	+/- .44	J	pCi/g
Thorium-227								
Thorium-228	.40	+/- .1	-	pCi/g	1.47	+/- .32	J	pCi/g
Thorium-230	.70	+/- .2	J	pCi/g	3.09	+/- .6	J	pCi/g
Thorium-232	.30	+/- .1	-	pCi/g	1.00	+/- .22	J	pCi/g
Uranium, Total	1.00	+/- .1	-	ug/g	136.00	+/- 3.6	-	ug/g
Uranium-233/234					22.20	+/- 4.1	J	pCi/g
Uranium-234	1.70	+/- .3	J	pCi/g				
Uranium-235	.10	+/- .04	-	pCi/g				
Uranium-235/236					1.01	+/- .24	J	pCi/g
Uranium-236								
Uranium-238	1.90	+/- .3	J	pCi/g	18.40	+/- 3.4	J	pCi/g

000354

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Radionuclides

Material:	ASPHALT				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	G02-001				G02-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.16		UJ	pCi/g	.15		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g	.02	+/- .0029	-	pCi/g
Lead-210	.57	+/- .37	J	pCi/g	.31		UJ	pCi/g
Neptunium-237	.12		UJ	pCi/g	.10		UJ	pCi/g
Plutonium-238	.17		UJ	pCi/g	.17		UJ	pCi/g
Plutonium-239								
Plutonium-239/240	.07		UJ	pCi/g	.06		UJ	pCi/g
Plutonium-241								
Polonium-210	2.10	+/- 1.6	J	pCi/g	1.20		UJ	pCi/g
Radium-226	.51	+/- .1	-	pCi/g	.35	+/- .12	-	pCi/g
Radium-228	.34	+/- .29	J	pCi/g	.32	+/- .087	-	pCi/g
Strontium-90	28.00	+/- 5.6	J	pCi/g	25.00	+/- 5	J	pCi/g
Technetium-99	.27		UJ	pCi/g	.27		UJ	pCi/g
Thorium-227								
Thorium-228	.19	+/- .18	J	pCi/g	.46	+/- .2	-	pCi/g
Thorium-230	.18	+/- .14	J	pCi/g	.50	+/- .17	-	pCi/g
Thorium-232	.13	+/- .11	J	pCi/g	.24	+/- .1	J	pCi/g
Uranium, Total	55.00	+/- 3.5	-	ug/g	170.00	+/- 11	-	ug/g
Uranium-233/234								
Uranium-234	2.00	+/- .46	-	pCi/g	4.00	+/- .68	-	pCi/g
Uranium-235								
Uranium-235/236	.18		UJ	pCi/g	.21	+/- .15	J	pCi/g
Uranium-236								
Uranium-238	1.90	+/- .47	-	pCi/g	5.50	+/- .87	-	pCi/g

000355

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				TRANSITE				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"												0-.5"							
Process Area:	1				1				2				2				2			
Sample:	1A-003				1A-004A				1A-005(TCLP)				1A-008				1A-010A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	4960.00	mg/kg	J	E	40500.00	mg/kg	J					E	5540.00	mg/kg	J	E	69400.00	mg/kg	J
Antimony	UN	2.40	mg/kg	R	UN	2.30	mg/kg	R					UN	2.40	mg/kg	R	UN	2.50	mg/kg	R
Arsenic	SN	8.00	mg/kg	J	•	109.00	mg/kg	J	U	0.3800	mg/L	U	N	5.00	mg/kg	J	*	56.40	mg/kg	J
Barium	EN	45.40	mg/kg	J	EN	1920.00	mg/kg	J		0.4150	mg/L	-	EN	59.70	mg/kg	J	EN	899.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R					UN	0.02	mg/kg	R	UN	0.02	mg/kg	R
Cadmium	N*	0.35	mg/kg	U	N*	2.90	mg/kg	-	U	0.0200	mg/L	U	N*	0.29	mg/kg	U	N*	2.70	mg/kg	-
Calcium	E	200000.00	mg/kg	J	E	3470.00	mg/kg	J					E	194000.00	mg/kg	J	E	11400.00	mg/kg	J
Chromium	E	13.80	mg/kg	J	E	2830.00	mg/kg	J		0.1140	mg/L	-	E	24.30	mg/kg	J	E	2000.00	mg/kg	J
Cobalt	E	2.80	mg/kg	J	E	79.30	mg/kg	J					E	4.10	mg/kg	J	E	117.00	mg/kg	J
Copper	E	17.10	mg/kg	J	E	197.00	mg/kg	J					E	51.30	mg/kg	J	E	129.00	mg/kg	J
Iron		9040.00	mg/kg	-		189000.00	mg/kg	-						25200.00	mg/kg	-		99400.00	mg/kg	-
Lead	W	19.20	mg/kg	J		46400.00	mg/kg	-	U	0.1400	mg/L	U		13.90	mg/kg	-		55900.00	mg/kg	-
Magnesium	E	35300.00	mg/kg	J	E	1630.00	mg/kg	J					E	36100.00	mg/kg	J	E	1760.00	mg/kg	J
Manganese	E	256.00	mg/kg	J	E	843.00	mg/kg	J					E	336.00	mg/kg	J	E	526.00	mg/kg	J
Mercury	BN	0.02	mg/kg	UJ	N	0.17	mg/kg	UJ	U	0.0006	mg/L	U	UN	0.02	mg/kg	UJ	N	0.17	mg/kg	UJ
Molybdenum																				
Nickel	E	10.80	mg/kg	J	E	49.00	mg/kg	J					E	48.50	mg/kg	J	E	29.40	mg/kg	J
Potassium		1230.00	mg/kg	-		288.00	mg/kg	-						2320.00	mg/kg	-		386.00	mg/kg	-
Selenium	BNW	2.30	mg/kg	J	UWN	2.50	mg/kg	UJ	U	0.2900	mg/L	U	BN	1.70	mg/kg	-	UWN	2.60	mg/kg	UJ
Silicon																				
Silver	UN*	0.19	mg/kg	U	UN*	0.18	mg/kg	U	U	0.0500	mg/L	U	UN*	0.19	mg/kg	U	N*	0.87	mg/kg	-
Sodium		1240.00	mg/kg	-		770.00	mg/kg	-						1520.00	mg/kg	-		497.00	mg/kg	-
Thallium	UWN	0.29	mg/kg	R	UWN	3.30	mg/kg	R					UWN	0.30	mg/kg	R	UWN	3.30	mg/kg	R
Vanadium	N	9.40	mg/kg	-	UN	0.23	mg/kg	U					N	10.20	mg/kg	-	BN	1.50	mg/kg	U
Zinc	E	27.10	mg/kg	J	E	2940.00	mg/kg	J					E	25.80	mg/kg	J	E	701.00	mg/kg	J

0003856

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	STEEL COATINGS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:									0-.5"				.5-1"				1-4"			
Process Area:	3				4				5				5				5			
Sample:	1A-011A				1A-015A				1A-018				1A-019				1A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	24800.00	mg/kg	J	E	54700.00	mg/kg	J	E	5900.00	mg/kg	J	E	4470.00	mg/kg	J	E	5390.00	mg/kg	J
Antimony	N	8.60	mg/kg	J	BN	2.30	mg/kg	J	UN	2.60	mg/kg	R	UN	2.60	mg/kg	R	UN	2.40	mg/kg	R
Arsenic	*	80.70	mg/kg	J	*	75.30	mg/kg	J	N	5.40	mg/kg	J	N	4.20	mg/kg	J	*N	3.50	mg/kg	UJ
Barium	EN	89.90	mg/kg	J	EN	853.00	mg/kg	J	EN	61.70	mg/kg	J	EN	47.80	mg/kg	J	EN	52.40	mg/kg	J
Beryllium	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R
Cadmium	N*	23.30	mg/kg	-	N*	1.00	mg/kg	-	BN*	0.22	mg/kg	U	UN*	0.10	mg/kg	U	BN*	0.16	mg/kg	U
Calcium	E	2580.00	mg/kg	J	E	1520.00	mg/kg	J	E	192000.00	mg/kg	J	E	164000.00	mg/kg	J	E	182000.00	mg/kg	J
Chromium	E	3470.00	mg/kg	J	E	3290.00	mg/kg	J	E	16.50	mg/kg	J	E	5.70	mg/kg	J	E	6.40	mg/kg	J
Cobalt	E	79.40	mg/kg	J	E	98.20	mg/kg	J	E	5.70	mg/kg	J	E	2.70	mg/kg	J	E	3.10	mg/kg	J
Copper	E	1130.00	mg/kg	J	E	95.30	mg/kg	J	E	30.50	mg/kg	J	E	5.80	mg/kg	J	E	6.40	mg/kg	J
Iron		137000.00	mg/kg	-		148000.00	mg/kg	-		19300.00	mg/kg	-		5290.00	mg/kg	-		5500.00	mg/kg	-
Lead		63800.00	mg/kg	-		58700.00	mg/kg	-		62.70	mg/kg	-		135.00	mg/kg	-	W	5.70	mg/kg	J
Magnesium	E	1570.00	mg/kg	J	E	2020.00	mg/kg	J	E	30000.00	mg/kg	J	E	35000.00	mg/kg	J	E	38000.00	mg/kg	J
Manganese	E	704.00	mg/kg	J	E	723.00	mg/kg	J	E	290.00	mg/kg	J	E	218.00	mg/kg	J	E	232.00	mg/kg	J
Mercury	N	0.17	mg/kg	UJ	N	0.21	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Molybdenum																				
Nickel	E	52.20	mg/kg	J	E	42.10	mg/kg	J	E	33.80	mg/kg	J	E	5.40	mg/kg	J	E	5.60	mg/kg	J
Potassium		379.00	mg/kg	-	B	211.00	mg/kg	-		1010.00	mg/kg	-		929.00	mg/kg	-		1200.00	mg/kg	-
Selenium	UWN	2.40	mg/kg	UJ	UWN	2.10	mg/kg	UJ	+N	2.00	mg/kg	J	UNW	1.10	mg/kg	U	SN	3.20	mg/kg	-
Silicon																				
Silver	N*	0.73	mg/kg	-	BN*	0.44	mg/kg	-	UN*	0.21	mg/kg	U	UN*	0.21	mg/kg	U	UN*	0.19	mg/kg	U
Sodium		291.00	mg/kg	-		340.00	mg/kg	-		852.00	mg/kg	-		576.00	mg/kg	-		623.00	mg/kg	-
Thallium	UWN	3.00	mg/kg	R	BSN	3.10	mg/kg	J	UWN	0.31	mg/kg	R	UWN	0.29	mg/kg	R	UWN	0.28	mg/kg	R
Vanadium	UN	0.26	mg/kg	-	UN	0.23	mg/kg	U	N	10.60	mg/kg	-	N	8.20	mg/kg	-	N	10.00	mg/kg	-
Zinc	E	4280.00	mg/kg	J	E	368.00	mg/kg	J	E	41.10	mg/kg	J	E	14.60	mg/kg	J	E	12.50	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	CONCRETE CORE				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-4"			
Process Area:	5				5				6				6				6			
Sample:	1A-021 DUP				1A-023				1A-024				1A-025				1A-026			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																				
Aluminum	E	6480.00	mg/kg	J	E	1160.00	mg/kg	J	E	5910.00	mg/kg	J	E	5220.00	mg/kg	J	E	4160.00	mg/kg	J
Antimony	UN	2.50	mg/kg	R	UN	2.30	mg/kg	R	UN	2.40	mg/kg	R	UN	2.60	mg/kg	R	UN	2.40	mg/kg	R
Arsenic	+N	3.30	mg/kg	UJ	*	63.70	mg/kg	J	N	4.20	mg/kg	J	N	3.50	mg/kg	UJ	N	3.00	mg/kg	UJ
Barium	EN	64.80	mg/kg	J	EN	318.00	mg/kg	J	EN	192.00	mg/kg	J	EN	91.40	mg/kg	J	EN	74.40	mg/kg	J
Beryllium	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R
Cadmium	UN*	0.10	mg/kg	U	N*	1.10	mg/kg	-	BN*	0.22	mg/kg	U	BN*	0.23	mg/kg	U	BN*	0.19	mg/kg	U
Calcium	E	190000.00	mg/kg	J	E	31000.00	mg/kg	J	E	166000.00	mg/kg	J	E	202000.00	mg/kg	J	E	189000.00	mg/kg	J
Chromium	E	25.20	mg/kg	J	E	9960.00	mg/kg	J	E	20.80	mg/kg	J	E	6.70	mg/kg	J	E	6.00	mg/kg	J
Cobalt	E	6.00	mg/kg	J	E	84.10	mg/kg	J	E	4.50	mg/kg	J	E	3.10	mg/kg	J	E	2.50	mg/kg	J
Copper	E	49.60	mg/kg	J	E	177.00	mg/kg	J	E	69.30	mg/kg	J	E	8.90	mg/kg	J	E	6.30	mg/kg	J
Iron		23100.00	mg/kg	-		132000.00	mg/kg	-		21700.00	mg/kg	-		6210.00	mg/kg	-		5670.00	mg/kg	-
Lead		50.90	mg/kg	-		75200.00	mg/kg	-		11.10	mg/kg	-	W	4.90	mg/kg	J	W	7.80	mg/kg	J
Magnesium	E	29300.00	mg/kg	J	E	2130.00	mg/kg	J	E	24000.00	mg/kg	J	E	34400.00	mg/kg	J	E	51900.00	mg/kg	J
Manganese	E	332.00	mg/kg	J	E	787.00	mg/kg	J	E	499.00	mg/kg	J	E	289.00	mg/kg	J	E	235.00	mg/kg	J
Mercury	UN	0.03	mg/kg	UJ	N	0.26	mg/kg	J	BN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ	UN	0.02	mg/kg	UJ
Molybdenum																				
Nickel	E	36.70	mg/kg	J	E	100.00	mg/kg	J	E	52.50	mg/kg	J	E	7.20	mg/kg	J	E	4.60	mg/kg	J
Potassium		1220.00	mg/kg	-		227.00	mg/kg	-		1240.00	mg/kg	-		751.00	mg/kg	-		624.00	mg/kg	-
Selenium	BN	1.70	mg/kg	-	UNW	2.30	mg/kg	UJ	BN	1.70	mg/kg	-	BN	1.60	mg/kg	-	UWN	1.30	mg/kg	-
Silicon																				
Silver	UN*	0.19	mg/kg	U	N*	0.58	mg/kg	-	BN*	0.32	mg/kg	-	BN*	0.39	mg/kg	-	N*	0.63	mg/kg	-
Sodium		987.00	mg/kg	-		382.00	mg/kg	-		788.00	mg/kg	-		437.00	mg/kg	-		398.00	mg/kg	-
Thallium	UWN	0.29	mg/kg	R	UNW	2.90	mg/kg	R	UWN	0.31	mg/kg	R	UWN	0.29	mg/kg	R	UWN	0.33	mg/kg	R
Vanadium	N	12.50	mg/kg	-	N	6.80	mg/kg	-	N	10.10	mg/kg	-	N	9.40	mg/kg	-	N	7.20	mg/kg	-
Zinc	E	45.20	mg/kg	J	E	782.00	mg/kg	J	E	19.20	mg/kg	J	E	13.90	mg/kg	J	E	11.20	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"							
Process Area:	6				7				7			
Sample:	1A-027A				1A-031				1A-032			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	E	57400.00	mg/kg	J	E	4740.00	mg/kg	J	E	58500.00	mg/kg	J
Antimony	N	3.50	mg/kg	J	UN	2.60	mg/kg	R	UN	2.30	mg/kg	R
Arsenic	BN	2.90	mg/kg	UJ	N	7.70	mg/kg	J	•	23.20	mg/kg	J
Barium	EN	137.00	mg/kg	J	EN	787.00	mg/kg	J	EN	220.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R
Cadmium	N*	1.90	mg/kg	-	UN*	0.10	mg/kg	U	N*	2.70	mg/kg	-
Calcium	E	15500.00	mg/kg	J	E	158000.00	mg/kg	J	E	10900.00	mg/kg	J
Chromium	E	734.00	mg/kg	J	E	28.90	mg/kg	J	E	1860.00	mg/kg	J
Cobalt	E	75.60	mg/kg	J	E	4.30	mg/kg	J	E	86.00	mg/kg	J
Copper	E	73.10	mg/kg	J	E	59.60	mg/kg	J	E	101.00	mg/kg	J
Iron		18000.00	mg/kg	-		31000.00	mg/kg	-		45900.00	mg/kg	-
Lead		91200.00	mg/kg	-		32.30	mg/kg	-		48200.00	mg/kg	-
Magnesium	E	10900.00	mg/kg	J	E	30700.00	mg/kg	J	E	6510.00	mg/kg	J
Manganese	E	163.00	mg/kg	J	E	354.00	mg/kg	J	E	296.00	mg/kg	J
Mercury	N	0.17	mg/kg	UJ	UN	0.03	mg/kg	UJ	N	0.22	mg/kg	UJ
Molybdenum												
Nickel	E	25.00	mg/kg	J	E	57.20	mg/kg	J	E	28.60	mg/kg	J
Potassium		416.00	mg/kg	-		1680.00	mg/kg	-		626.00	mg/kg	-
Selenium	UWN	2.40	mg/kg	UJ	BN	1.20	mg/kg	-	UWN	2.40	mg/kg	UJ
Silicon												
Silver	N*	2.00	mg/kg	-	UN*	0.21	mg/kg	U	N*	1.50	mg/kg	-
Sodium		416.00	mg/kg	-		1070.00	mg/kg	-		394.00	mg/kg	-
Thallium	UWN	3.10	mg/kg	R	UWN	0.28	mg/kg	R	USN	3.10	mg/kg	R
Vanadium	N	5.20	mg/kg	-	N	10.90	mg/kg	-	N	3.60	mg/kg	-
Zinc	E	143.00	mg/kg	J	E	25.10	mg/kg	J	E	232.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"											
Process Area:	1				1				1				1				1			
Sample:	2A-003				2A-004				2A-005				2A-006				2A-007 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	•	19600.00	mg/kg	-	*	12800.00	mg/kg	-	•	5520.00	mg/kg	-		7700.00	mg/kg	-		9260.00	mg/kg	-
Antimony		52.30	mg/kg	-	B	11.60	mg/kg	-	U	6.40	mg/kg	U	U	1.20	mg/kg	R	UN	1.30	mg/kg	R
Arsenic	S	9.40	mg/kg	-		6.00	mg/kg	-		3.90	mg/kg	-		26.80	mg/kg	-		23.60	mg/kg	-
Barium		100.00	mg/kg	-		67.70	mg/kg	-		58.10	mg/kg	-	JN*	772.00	mg/kg	J	JN*	519.00	mg/kg	J
Beryllium		2.80	mg/kg	U	U	0.15	mg/kg	U	U	0.15	mg/kg	U	U	0.02	mg/kg	U	U	0.03	mg/kg	U
Cadmium	B	0.84	mg/kg	U	B	0.69	mg/kg	U	B	0.60	mg/kg	U	E	37.80	mg/kg	J	E	37.30	mg/kg	J
Calcium	E*	147000.00	mg/kg	J	E*	200000.00	mg/kg	J	E*	216000.00	mg/kg	J	E*	2600.00	mg/kg	J	E*	2550.00	mg/kg	J
Chromium		83.80	mg/kg	-		60.20	mg/kg	-	U	9.00	mg/kg	U	E	6180.00	mg/kg	-	E	5790.00	mg/kg	-
Cobalt	B	3.90	mg/kg	-	B	3.30	mg/kg	-	B	2.30	mg/kg	-		10.30	mg/kg	-		10.40	mg/kg	-
Copper	N*	398.00	mg/kg	J	N*	14.80	mg/kg	J	N*	8.00	mg/kg	J	•	580.00	mg/kg	-	•	668.00	mg/kg	-
Iron		15000.00	mg/kg	-		12800.00	mg/kg	-		8020.00	mg/kg	-	•	34600.00	mg/kg	-	•	38300.00	mg/kg	-
Lead	•	73.20	mg/kg	J	S*	8.40	mg/kg	J	•	3.20	mg/kg	J	E*	29500.00	mg/kg	J	E*	22500.00	mg/kg	J
Magnesium		40600.00	mg/kg	-		55100.00	mg/kg	-		48700.00	mg/kg	-		7360.00	mg/kg	-		6950.00	mg/kg	-
Manganese		263.00	mg/kg	-		366.00	mg/kg	-		371.00	mg/kg	-	•	143.00	mg/kg	-	•	157.00	mg/kg	-
Mercury	B	0.06	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	•	1.00	mg/kg	-	•	0.49	mg/kg	-
Molybdenum																				
Nickel		39.20	mg/kg	-		17.70	mg/kg	-	B	5.60	mg/kg	U	JEN	43.00	mg/kg	J	JEN	43.50	mg/kg	J
Potassium		1230.00	mg/kg	-	B	514.00	mg/kg	U	B	819.00	mg/kg	U		2130.00	mg/kg	-		1980.00	mg/kg	-
Selenium	UW	0.30	mg/kg	UJ	UW	0.30	mg/kg	UJ	UW	0.29	mg/kg	UJ	•	9.80	mg/kg	-	•	6.80	mg/kg	-
Silicon																				
Silver		18.50	mg/kg	-		3.80	mg/kg	-	U	5.60	mg/kg	U	JN*	0.77	mg/kg	J	JN*	1.10	mg/kg	J
Sodium		1340.00	mg/kg	-	B	564.00	mg/kg	-	B	494.00	mg/kg	-		396.00	mg/kg	-		393.00	mg/kg	-
Thallium	BWN	0.45	mg/kg	UJ	UWN	0.28	mg/kg	UJ	UWN	0.27	mg/kg	UJ	UW	1.50	mg/kg	UJ	UJW	1.50	mg/kg	UJ
Vanadium	U	0.86	mg/kg	U		46.40	mg/kg	-		209.00	mg/kg	-	*	20.60	mg/kg	-	*	22.00	mg/kg	-
Zinc		103.00	mg/kg	-		31.70	mg/kg	-		16.60	mg/kg	-	E	8790.00	mg/kg	J	E	8350.00	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	ACID BRICK				TRANSITE				ACID BRICK				ACID BRICK				ACID BRICK			
Depth:	0-.5"								0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1				1			
Sample:	2A-010				2A-014(TCLP)				2A-015				2A-015(TCLP)				2A-016 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	*	887.00	mg/kg	-					*	599.00	mg/kg	-	*	1.1000	mg/L	J	*	382.00	mg/kg	-
Antimony	U	6.10	mg/kg	U					B	8.20	mg/kg	-	U	0.0265	mg/L	U	B	9.00	mg/kg	-
Arsenic	B	1.10	mg/kg	U	U	0.5000	mg/L	U	B	2.00	mg/kg	-	U	0.0008	mg/L	U	B	2.10	mg/kg	-
Barium		121.00	mg/kg	-		0.6400	mg/L	J		236.00	mg/kg	-	*	0.7160	mg/L	R		215.00	mg/kg	-
Beryllium	U	0.14	mg/kg	U					U	0.15	mg/kg	U	B	0.0005	mg/L	U	U	0.15	mg/kg	U
Cadmium	B	0.49	mg/kg	U	U	0.0100	mg/L	U	U	0.28	mg/kg	U	B*	0.0036	mg/L	J	U	0.28	mg/kg	U
Calcium	E*	1320.00	mg/kg	J					E*	6430.00	mg/kg	J		105.0000	mg/L	-	E*	3080.00	mg/kg	J
Chromium		8.60	mg/kg	-		0.1400	mg/L	-	B	1.00	mg/kg	-	*	0.0573	mg/L	J	U	0.91	mg/kg	U
Cobalt	U	0.74	mg/kg	U					B	5.40	mg/kg	-	B	0.0407	mg/L	-	B	2.80	mg/kg	-
Copper	N*	13.10	mg/kg	-					N*	44.60	mg/kg	J	*	0.0938	mg/L	UJ	N*	31.00	mg/kg	J
Iron		3100.00	mg/kg	-						2220.00	mg/kg	-	*	1.2400	mg/L	J		2110.00	mg/kg	-
Lead	*	93.60	mg/kg	J	U	0.6000	mg/L	U	*	169.00	mg/kg	-	N	0.0727	mg/L	J	*	153.00	mg/kg	-
Magnesium	B	448.00	mg/kg	-					B	860.00	mg/kg	-	*	11.0000	mg/L	J	B	481.00	mg/kg	-
Manganese		68.40	mg/kg	-						40.70	mg/kg	-	*	0.2040	mg/L	J		36.30	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.0020	mg/L	UJ	U	0.05	mg/kg	U	U	0.0001	mg/L	UJ	U	0.05	mg/kg	U
Molybdenum																				
Nickel	B	3.20	mg/kg	U						17.20	mg/kg	-	*	0.1070	mg/L	J		10.00	mg/kg	U
Potassium	B	417.00	mg/kg	U					B	317.00	mg/kg	U	U	3.1600	mg/L	U	B	303.00	mg/kg	U
Selenium	UW	0.28	mg/kg	UJ	U	0.5000	mg/L	U	BW	0.80	mg/kg	J	UW	0.0090	mg/L	UJ	B	0.62	mg/kg	-
Silicon																				
Silver	U	0.54	mg/kg	U		0.2200	mg/L	J	B	2.10	mg/kg	-	UN	0.0034	mg/L	UJ	B	1.50	mg/kg	-
Sodium	B	190.00	mg/kg	U					B	128.00	mg/kg	U	E	1360.0000	mg/L	R	B	127.00	mg/kg	U
Thallium	UWN	0.26	mg/kg	UJ					BWN	0.30	mg/kg	UJ	B	0.0019	mg/L	U	UWN	0.28	mg/kg	UJ
Vanadium	U	0.80	mg/kg	U					B	1.30	mg/kg	U	B	0.0123	mg/L	U	U	0.85	mg/kg	U
Zinc		8.70	mg/kg	-						13.30	mg/kg	-	E*	0.2800	mg/L	R		19.50	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				0-.5"				.5-1"				1-4"			
Process Area:	1				1				2				2				2			
Sample:	2A-018(TCLP)				2A-019(TCLP) DUP				2A-022				2A-023				2A-024			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		0.2060	mg/L	U		0.2480	mg/L	U	*	4440.00	mg/kg	-	*	5370.00	mg/kg	-	*	5460.00	mg/kg	-
Antimony		0.1020	mg/L	U		0.1090	mg/L	U		15.20	mg/kg	-	B	6.50	mg/kg	-	U	6.30	mg/kg	U
Arsenic	B	0.0077	mg/L	U	B	0.0088	mg/L	U		4.10	mg/kg	-		6.90	mg/kg	-		4.00	mg/kg	-
Barium		0.8430	mg/L	-		0.8600	mg/L	-		1170.00	mg/kg	-		53.40	mg/kg	-		74.10	mg/kg	-
Beryllium		0.0108	mg/L	U		0.0110	mg/L	U	U	0.14	mg/kg	U	U	0.14	mg/kg	U	U	0.15	mg/kg	U
Cadmium	U	0.0013	mg/L	U	U	0.0013	mg/L	U	B	0.29	mg/kg	U	B	0.56	mg/kg	U		3.10	mg/kg	-
Calcium		2090.0000	mg/L	-		2100.0000	mg/L	-	E*	184000.00	mg/kg	J	E*	215000.00	mg/kg	J	E*	223000.00	mg/kg	J
Chromium	U	0.0215	mg/L	U	U	0.0215	mg/L	U		89.60	mg/kg	-	B	9.00	mg/kg	-	B	13.50	mg/kg	-
Cobalt	B	0.0088	mg/L	U	B	0.0087	mg/L	U	B	3.00	mg/kg	-	B	4.60	mg/kg	-	B	3.20	mg/kg	-
Copper	UN	0.0036	mg/L	UJ	UN	0.0036	mg/L	UJ	N*	47.60	mg/kg	J	N*	11.00	mg/kg	J	N*	18.20	mg/kg	J
Iron		0.1120	mg/L	U	B	0.0630	mg/L	U		7040.00	mg/kg	-		16400.00	mg/kg	-		12700.00	mg/kg	-
Lead	U	0.0009	mg/L	U	U	0.0009	mg/L	U	*	554.00	mg/kg	-	*	5.00	mg/kg	J	*	3.70	mg/kg	J
Magnesium		104.0000	mg/L	-		109.0000	mg/L	-		56200.00	mg/kg	-		48900.00	mg/kg	-		49300.00	mg/kg	-
Manganese		0.6690	mg/L	-		0.9280	mg/L	-		268.00	mg/kg	-		422.00	mg/kg	-		381.00	mg/kg	-
Mercury	U	0.0001	mg/L	U	U	0.0001	mg/L	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel	B	0.0320	mg/L	U	B	0.0383	mg/L	-		10.10	mg/kg	-		11.00	mg/kg	-		8.50	mg/kg	U
Potassium	E	21.7000	mg/L	J	E	22.3000	mg/L	J	B	803.00	mg/kg	U	B	782.00	mg/kg	U	B	863.00	mg/kg	U
Selenium	UWN	0.0110	mg/L	UJ	UWN	0.0110	mg/L	UJ	UW	0.29	mg/kg	UJ	UW	0.29	mg/kg	UJ	UW	0.29	mg/kg	UJ
Silicon																				
Silver	BN	0.0267	mg/L	UJ	BN	0.0162	mg/L	UJ		6.80	mg/kg	-	U	5.60	mg/kg	U	U	5.60	mg/kg	U
Sodium		16.1000	mg/L	U		14.9000	mg/L	U	B	520.00	mg/kg	-	B	465.00	mg/kg	-	B	494.00	mg/kg	-
Thallium	UN	0.0009	mg/L	UJ	UWN	0.0009	mg/L	UJ	UWN	0.27	mg/kg	UJ	BWN	0.28	mg/kg	UJ	UWN	0.27	mg/kg	UJ
Vanadium	UN	0.0200	mg/L	UJ	UN	0.0200	mg/L	UJ	B	3.40	mg/kg	U	B	61.10	mg/kg	-		494.00	mg/kg	-
Zinc		0.3030	mg/L	U		0.2760	mg/L	U		69.70	mg/kg	-		18.90	mg/kg	-		20.90	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK			
Depth:	0-.5"				0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	2				3				3				3				3			
Sample:	2A-025 DUP				2A-028				2A-029				2A-030				2A-031			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	•	4600.00	mg/kg	-		3970.00	mg/kg	-		4510.00	mg/kg	-		4930.00	mg/kg	-		1000.00	mg/kg	-
Antimony		25.80	mg/kg	-	U	62.70	mg/kg	UJ	U	63.00	mg/kg	UJ	U	63.80	mg/kg	UJ	UN	1.30	mg/kg	R
Arsenic		3.60	mg/kg	-		3.70	mg/kg	J		6.50	mg/kg	J		5.20	mg/kg	J	•	8.50	mg/kg	-
Barium		83.50	mg/kg	-	B	56.50	mg/kg	-	B	53.20	mg/kg	-	B	55.70	mg/kg	-	JN*	1470.00	mg/kg	J
Beryllium		1.70	mg/kg	U	U	1.40	mg/kg	U	U	1.40	mg/kg	U	U	1.50	mg/kg	U	U	0.03	mg/kg	U
Cadmium		4.30	mg/kg	-	U	2.70	mg/kg	U	U	2.70	mg/kg	U	U	2.70	mg/kg	U	UE	0.08	mg/kg	UJ
Calcium	E*	179000.00	mg/kg	J		184000.00	mg/kg	-		168000.00	mg/kg	-		203000.00	mg/kg	-	E*	447.00	mg/kg	J
Chromium		104.00	mg/kg	-	U	8.80	mg/kg	U	B	15.80	mg/kg	-	U	9.00	mg/kg	U	E	11.00	mg/kg	-
Cobalt	B	4.10	mg/kg	-	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.70	mg/kg	U	B	1.10	mg/kg	-
Copper	N*	80.10	mg/kg	J	U	7.40	mg/kg	U	B	14.80	mg/kg	U	U	7.50	mg/kg	U	•	141.00	mg/kg	-
Iron		7630.00	mg/kg	-		6740.00	mg/kg	-		32900.00	mg/kg	-		14000.00	mg/kg	-	*	7600.00	mg/kg	-
Lead	•	515.00	mg/kg	-		130.00	mg/kg	J		45.10	mg/kg	-		4.90	mg/kg	-	E*	268.00	mg/kg	J
Magnesium		48500.00	mg/kg	-		37100.00	mg/kg	-		31600.00	mg/kg	-		45900.00	mg/kg	-		559.00	mg/kg	-
Manganese		278.00	mg/kg	-		380.00	mg/kg	-		528.00	mg/kg	-		528.00	mg/kg	-	•	71.70	mg/kg	-
Mercury	B	0.07	mg/kg	-		0.16	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	•	0.32	mg/kg	-
Molybdenum																				
Nickel		14.30	mg/kg	-	B	10.50	mg/kg	-	B	13.90	mg/kg	-	B	14.30	mg/kg	-	JEN	5.50	mg/kg	J
Potassium	B	895.00	mg/kg	U	B	1620.00	mg/kg	U	B	2000.00	mg/kg	U	B	1900.00	mg/kg	U		514.00	mg/kg	-
Selenium	UW	0.29	mg/kg	UJ	UW	0.29	mg/kg	UJ	UW	0.29	mg/kg	UJ	UW	0.29	mg/kg	UJ	•	3.40	mg/kg	-
Silicon																				
Silver		23.50	mg/kg	-	U	5.50	mg/kg	UJ	U	5.60	mg/kg	UJ	U	5.60	mg/kg	UJ	JN*	0.56	mg/kg	J
Sodium	B	533.00	mg/kg	-	B	986.00	mg/kg	U	B	812.00	mg/kg	U	B	732.00	mg/kg	U		209.00	mg/kg	-
Thallium	UWN	0.27	mg/kg	UJ	U	0.18	mg/kg	U	UW	0.19	mg/kg	UJ	UW	0.19	mg/kg	UJ	U	1.50	mg/kg	U
Vanadium	U	0.82	mg/kg	U	B	21.10	mg/kg	U	B	19.00	mg/kg	U	B	51.10	mg/kg	U	•	4.70	mg/kg	-
Zinc		68.00	mg/kg	-		55.40	mg/kg	-	B	29.60	mg/kg	-	U	27.80	mg/kg	U	E	10.00	mg/kg	J

000363

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK			
Depth:					0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	3				4				4				4				4			
Sample:	2A-033				2A-038				2A-039				2A-040				2A-042			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		7720.00	mg/kg	-		3220.00	mg/kg	-		3380.00	mg/kg	-		3200.00	mg/kg	-		2990.00	mg/kg	-
Antimony	UN	1.20	mg/kg	R	U	62.20	mg/kg	UJ	U	62.20	mg/kg	UJ	U	62.40	mg/kg	UJ	UN	1.30	mg/kg	R
Arsenic		10.30	mg/kg	-		4.30	mg/kg	J		4.40	mg/kg	J		2.40	mg/kg	UJ		23.60	mg/kg	-
Barium	JN*	292.00	mg/kg	J	B	52.60	mg/kg	-	B	49.00	mg/kg	-	B	56.30	mg/kg	-	JN*	118.00	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	1.40	mg/kg	U	U	1.40	mg/kg	U	U	1.40	mg/kg	U	U	0.03	mg/kg	U
Cadmium	E	17.10	mg/kg	J	U	2.70	mg/kg	U	B	2.80	mg/kg	-	U	2.70	mg/kg	U	E	3.40	mg/kg	J
Calcium	E*	1440.00	mg/kg	J		157000.00	mg/kg	-		149000.00	mg/kg	-		156000.00	mg/kg	-	E*	2000.00	mg/kg	J
Chromium	E	2510.00	mg/kg	-	U	8.80	mg/kg	U	U	8.80	mg/kg	U	B	13.90	mg/kg	-	E	189.00	mg/kg	-
Cobalt		10.60	mg/kg	-	U	7.60	mg/kg	U	U	7.50	mg/kg	U	U	7.60	mg/kg	U		2.80	mg/kg	-
Copper	•	90.00	mg/kg	-	U	7.30	mg/kg	U	U	7.30	mg/kg	U	U	7.40	mg/kg	U	•	104.00	mg/kg	-
Iron	•	14700.00	mg/kg	-		6870.00	mg/kg	-		5620.00	mg/kg	-		8980.00	mg/kg	-	•	29200.00	mg/kg	-
Lead	E*	21100.00	mg/kg	J		89.70	mg/kg	-		10.70	mg/kg	-		2.40	mg/kg	-	E*	518.00	mg/kg	J
Magnesium		3340.00	mg/kg	-		42700.00	mg/kg	-		38800.00	mg/kg	-		47400.00	mg/kg	-		1050.00	mg/kg	-
Manganese	•	110.00	mg/kg	-		322.00	mg/kg	-		254.00	mg/kg	-		314.00	mg/kg	-	•	126.00	mg/kg	-
Mercury	•	9.30	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	•	0.26	mg/kg	-
Molybdenum																				
Nickel	JEN	28.30	mg/kg	J	U	10.20	mg/kg	U	U	10.20	mg/kg	U	U	10.20	mg/kg	U	JEN	70.00	mg/kg	J
Potassium		1400.00	mg/kg	-	B	1550.00	mg/kg	U	B	1550.00	mg/kg	U	B	1760.00	mg/kg	U		642.00	mg/kg	-
Selenium	•	7.20	mg/kg	-	UW	2.90	mg/kg	UJ	UW	0.29	mg/kg	UJ	U	1.40	mg/kg	UJ	UN	0.52	mg/kg	R
Silicon																				
Silver	JN*	3.80	mg/kg	J	U	5.50	mg/kg	UJ	U	5.50	mg/kg	UJ	U	5.50	mg/kg	UJ	JN*	1.50	mg/kg	J
Sodium		178.00	mg/kg	-	B	564.00	mg/kg	U	B	623.00	mg/kg	U	B	646.00	mg/kg	U		358.00	mg/kg	-
Thallium	UW	1.50	mg/kg	UJ	U	1.80	mg/kg	U	UW	0.18	mg/kg	UJ	U	0.18	mg/kg	U	UW	1.50	mg/kg	UJ
Vanadium	•	6.90	mg/kg	-	U	8.20	mg/kg	U	U	8.20	mg/kg	U	B	46.20	mg/kg	U	•	8.90	mg/kg	-
Zinc	E	3310.00	mg/kg	-		81.50	mg/kg	-		144.00	mg/kg	-	U	27.20	mg/kg	U	E	230.00	mg/kg	J

000394

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				STEEL COATINGS			
Depth:								
Process Area:	4				5			
Sample:	2A-044				2A-052			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		2120.00	mg/kg	-		1370.00	mg/kg	-
Antimony	UN	1.20	mg/kg	R	JN	29.40	mg/kg	R
Arsenic	*	21.60	mg/kg	-	*E	18.00	mg/kg	J
Barium	JN*	3540.00	mg/kg	J	JN*	1790.00	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	0.24	mg/kg	U
Cadmium	E	58.20	mg/kg	J	JEN	17.60	mg/kg	J
Calcium	E*	777.00	mg/kg	J	E	528.00	mg/kg	J
Chromium	E	8080.00	mg/kg	-		13200.00	mg/kg	-
Cobalt		13.10	mg/kg	-	E	7.90	mg/kg	J
Copper	*	120.00	mg/kg	-		15.90	mg/kg	-
Iron	*	25600.00	mg/kg	-		35500.00	mg/kg	-
Lead	E*	27300.00	mg/kg	J	E	34500.00	mg/kg	J
Magnesium		3020.00	mg/kg	-		2710.00	mg/kg	-
Manganese	*	78.00	mg/kg	-	E	47.50	mg/kg	J
Mercury	*	0.30	mg/kg	-	JN	0.33	mg/kg	J
Molybdenum								
Nickel	JEN	247.00	mg/kg	J	E	31.90	mg/kg	J
Potassium		1610.00	mg/kg	-		4140.00	mg/kg	-
Selenium	*	7.40	mg/kg	-	JN*	10.60	mg/kg	R
Silicon								
Silver	UN*	0.12	mg/kg	UJ	UJN	3.00	mg/kg	J
Sodium		246.00	mg/kg	-		292.00	mg/kg	-
Thallium	UE	1.50	mg/kg	UJ	U	1.50	mg/kg	U
Vanadium	*	11.50	mg/kg	-		8.70	mg/kg	-
Zinc	E	6910.00	mg/kg	J		17200.00	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	2B-003				2B-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals								
Aluminum		5530.00	mg/kg	-		10000.00	mg/kg	-
Antimony	U	62.90	mg/kg	UJ	U	63.30	mg/kg	U
Arsenic	U	3.50	mg/kg	UJ	U	3.50	mg/kg	U
Barium	B	57.80	mg/kg	-	B	226.00	mg/kg	-
Beryllium	B	1.50	mg/kg	U	B	0.62	mg/kg	U
Cadmium	U	4.50	mg/kg	UJ	U	4.60	mg/kg	U
Calcium		204000.00	mg/kg	J	BE	9740.00	mg/kg	J
Chromium	B	11.10	mg/kg	UJ		259.00	mg/kg	-
Cobalt	U	6.60	mg/kg	U	B	58.10	mg/kg	-
Copper	B	30.40	mg/kg	UJ		329.00	mg/kg	-
Iron		8800.00	mg/kg	J		37100.00	mg/kg	-
Lead		34.30	mg/kg	-		57200.00	mg/kg	-
Magnesium		42100.00	mg/kg	J	B	9430.00	mg/kg	-
Manganese		384.00	mg/kg	J		352.00	mg/kg	-
Mercury	B	0.08	mg/kg	UJ		4.50	mg/kg	-
Molybdenum								
Nickel	U	23.50	mg/kg	UJ	B	50.50	mg/kg	-
Potassium	U	5590.00	mg/kg	U	U	5630.00	mg/kg	U
Selenium	U	3.30	mg/kg	U	B	3.60	mg/kg	U
Silicon								
Silver	B	7.30	mg/kg	J	U	8.70	mg/kg	U
Sodium	B	1580.00	mg/kg	-	B	828.00	mg/kg	U
Thallium	U	5.60	mg/kg	U	U	5.60	mg/kg	U
Vanadium	B	32.20	mg/kg	U	U	20.30	mg/kg	U
Zinc		142.00	mg/kg	-		1210.00	mg/kg	-

00336

Appendix L.2 - Major Media
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	2C-003				2C-004				2C-005				2C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		4180.00	mg/kg	-		3920.00	mg/kg	-		3910.00	mg/kg	-		9980.00	mg/kg	-
Antimony	U	63.00	mg/kg	UJ	U	63.00	mg/kg	UJ	U	63.40	mg/kg	UJ	BN*	2.00	mg/kg	J
Arsenic	B	3.70	mg/kg	J	U	3.50	mg/kg	UJ	U	3.50	mg/kg	UJ	BWN	0.55	mg/kg	J
Barium	B	54.50	mg/kg	-	B	44.70	mg/kg	-	B	50.40	mg/kg	-		350.00	mg/kg	-
Beryllium	B	1.50	mg/kg	U	B	1.50	mg/kg	U	B	1.30	mg/kg	U	UN	0.02	mg/kg	R
Cadmium	U	4.50	mg/kg	UJ	U	4.50	mg/kg	UJ	U	4.60	mg/kg	UJ	N	2.50	mg/kg	J
Calcium		178000.00	mg/kg	J		179000.00	mg/kg	J		195000.00	mg/kg	J	E	60300.00	mg/kg	J
Chromium	B	8.20	mg/kg	UJ	B	11.90	mg/kg	UJ	B	12.90	mg/kg	UJ	EN	169.00	mg/kg	J
Cobalt	U	6.60	mg/kg	U	U	6.60	mg/kg	U	U	6.70	mg/kg	U	EN	83.70	mg/kg	J
Copper	B	28.80	mg/kg	UJ	B	24.30	mg/kg	UJ	B	28.30	mg/kg	UJ	N	28.70	mg/kg	J
Iron		7190.00	mg/kg	J		6500.00	mg/kg	J		6690.00	mg/kg	J		39900.00	mg/kg	-
Lead		42.60	mg/kg	-	B	3.60	mg/kg	U		49.70	mg/kg	-	W	81600.00	mg/kg	-
Magnesium		39400.00	mg/kg	J		43300.00	mg/kg	J		55000.00	mg/kg	J		1320.00	mg/kg	-
Manganese		338.00	mg/kg	J		274.00	mg/kg	J		320.00	mg/kg	J	E	363.00	mg/kg	J
Mercury	B	0.09	mg/kg	J	U	0.05	mg/kg	UJ	U	0.05	mg/kg	UJ	N	5.00	mg/kg	J
Molybdenum																
Nickel	U	23.60	mg/kg	UJ	U	23.50	mg/kg	UJ	U	23.70	mg/kg	UJ	N	14.30	mg/kg	J
Potassium	U	5600.00	mg/kg	U	U	5600.00	mg/kg	U	U	5640.00	mg/kg	U	B	228.00	mg/kg	-
Selenium	U	3.30	mg/kg	U	U	3.30	mg/kg	U	U	3.30	mg/kg	U	BEN	1.80	mg/kg	UJ
Silicon																
Silver	U	6.20	mg/kg	UJ	U	6.20	mg/kg	UJ	B	13.20	mg/kg	J		2.30	mg/kg	-
Sodium	B	948.00	mg/kg	-	B	653.00	mg/kg	U	B	639.00	mg/kg	U	B	163.00	mg/kg	-
Thallium	U	5.60	mg/kg	U	U	5.60	mg/kg	U	U	5.60	mg/kg	U	U	1.50	mg/kg	U
Vanadium	B	32.40	mg/kg	U	B	30.00	mg/kg	U	B	32.60	mg/kg	U	BN	0.88	mg/kg	J
Zinc		112.00	mg/kg	-		123.00	mg/kg	-		82.10	mg/kg	-	N	3090.00	mg/kg	J

000367

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				ACID BRICK				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				0-.5"				0-.5"				.5-1"			
Process Area:	1				1				1				2				2			
Sample:	2D-003				2D-004				2D-007				2D-009				2D-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4650.00	mg/kg	-		4700.00	mg/kg	-		734.00	mg/kg	-		5940.00	mg/kg	-		4980.00	mg/kg	-
Antimony	U	9.40	mg/kg	UJ	U	9.40	mg/kg	UJ	U	1.40	mg/kg	U	B	9.50	mg/kg	J	U	9.50	mg/kg	UJ
Arsenic	B	2.00	mg/kg	-	B	2.00	mg/kg	-	B	1.80	mg/kg	-		3.80	mg/kg	J	S	5.70	mg/kg	-
Barium		76.70	mg/kg	-		65.10	mg/kg	-	*	49.50	mg/kg	-		74.90	mg/kg	-		90.00	mg/kg	-
Beryllium	B	0.28	mg/kg	-	B	0.21	mg/kg	-	B	0.50	mg/kg	-	B	0.31	mg/kg	-	B	0.21	mg/kg	-
Cadmium		1.80	mg/kg	-		4.00	mg/kg	-	U*	0.61	mg/kg	U	U	0.62	mg/kg	U		2.00	mg/kg	-
Calcium		181000.00	mg/kg	-		180000.00	mg/kg	-	B*	868.00	mg/kg	-		182000.00	mg/kg	-		186000.00	mg/kg	-
Chromium		5.00	mg/kg	U		5.90	mg/kg	U	UEN	0.81	mg/kg	U		7.10	mg/kg	-		8.70	mg/kg	-
Cobalt	B	3.00	mg/kg	-	B	1.70	mg/kg	-	U	1.60	mg/kg	U	B	3.10	mg/kg	-	B	2.80	mg/kg	-
Copper		25.10	mg/kg	-		15.00	mg/kg	-	N*	88.60	mg/kg	-		21.00	mg/kg	-		10.80	mg/kg	-
Iron		6570.00	mg/kg	-		6720.00	mg/kg	-	E	4820.00	mg/kg	-		8020.00	mg/kg	-		8010.00	mg/kg	-
Lead		20.90	mg/kg	J		8.00	mg/kg	-	*	23.40	mg/kg	J		33.90	mg/kg	-		19.00	mg/kg	J
Magnesium		57200.00	mg/kg	-		49700.00	mg/kg	-	B	337.00	mg/kg	-		39000.00	mg/kg	-		49700.00	mg/kg	-
Manganese		302.00	mg/kg	-		344.00	mg/kg	-	EN	25.20	mg/kg	-		367.00	mg/kg	-		462.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.09	mg/kg	U	UN	0.09	mg/kg	U	U	0.10	mg/kg	U	U	0.08	mg/kg	U
Molybdenum																				
Nickel		11.70	mg/kg	-	B	6.40	mg/kg	U	BE	4.50	mg/kg	-	B	7.00	mg/kg	U		9.20	mg/kg	U
Potassium	B	741.00	mg/kg	-	B	684.00	mg/kg	-	B	523.00	mg/kg	-	B	689.00	mg/kg	-	B	690.00	mg/kg	-
Selenium	UW	0.61	mg/kg	UJ	UW	0.62	mg/kg	UJ	UN	0.61	mg/kg	U	U	0.62	mg/kg	U	U	0.62	mg/kg	U
Silicon																				
Silver	B	1.10	mg/kg	-	U	0.82	mg/kg	U	N*	10.10	mg/kg	-	U	0.82	mg/kg	U		3.60	mg/kg	-
Sodium	B	703.00	mg/kg	J	B	659.00	mg/kg	J	B	572.00	mg/kg	J	B	601.00	mg/kg	J	B	633.00	mg/kg	J
Thallium	U	0.81	mg/kg	U	U	0.82	mg/kg	U	U	0.81	mg/kg	U	U	0.82	mg/kg	U	U	0.83	mg/kg	U
Vanadium	B	6.50	mg/kg	-	B	7.80	mg/kg	-	U	0.81	mg/kg	U	B	8.10	mg/kg	-	B	9.60	mg/kg	-
Zinc		106.00	mg/kg	-		33.60	mg/kg	-	E	13.50	mg/kg	-		27.90	mg/kg	-		22.70	mg/kg	-

000368

Appendix L.2 - Major Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Metals

Material:	ACID BRICK				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"			
Process Area:	2				3				3			
Sample:	2D-012				2D-019				2D-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		705.00	mg/kg	-		4400.00	mg/kg	-		4540.00	mg/kg	-
Antimony	U	9.70	mg/kg	UJ	U	9.40	mg/kg	UJ	U	9.30	mg/kg	UJ
Arsenic	S	2.30	mg/kg	-		2.00	mg/kg	-		2.30	mg/kg	-
Barium		204.00	mg/kg	-		67.50	mg/kg	-		59.60	mg/kg	-
Beryllium	U	0.21	mg/kg	U	U	0.20	mg/kg	U	U	0.20	mg/kg	U
Cadmium	U	0.63	mg/kg	U		1.20	mg/kg	-	U	0.61	mg/kg	U
Calcium	B	618.00	mg/kg	-		184000.00	mg/kg	-		188000.00	mg/kg	-
Chromium	U	0.85	mg/kg	U		6.00	mg/kg	-		7.40	mg/kg	-
Cobalt	U	1.70	mg/kg	U	B	2.40	mg/kg	-	B	1.90	mg/kg	-
Copper		30.00	mg/kg	-		12.60	mg/kg	-		6.90	mg/kg	-
Iron		5150.00	mg/kg	-		6430.00	mg/kg	-		6740.00	mg/kg	-
Lead	*	390.00	mg/kg	-		32.00	mg/kg	-		2.00	mg/kg	U
Magnesium	B	201.00	mg/kg	-		50900.00	mg/kg	-		47300.00	mg/kg	-
Manganese		70.00	mg/kg	-		344.00	mg/kg	-		333.00	mg/kg	-
Mercury		0.36	mg/kg	-	U	0.10	mg/kg	U	U	0.08	mg/kg	U
Molybdenum												
Nickel	B	2.40	mg/kg	U		8.90	mg/kg	U	B	7.60	mg/kg	U
Potassium	B	571.00	mg/kg	U	B	813.00	mg/kg	-	B	755.00	mg/kg	-
Selenium	UW	0.63	mg/kg	U	UW	0.61	mg/kg	UJ	UW	0.61	mg/kg	UJ
Silicon												
Silver	B	2.00	mg/kg	-	U	0.82	mg/kg	U	U	0.81	mg/kg	U
Sodium	B	403.00	mg/kg	J	B	772.00	mg/kg	J	B	667.00	mg/kg	J
Thallium	U	0.84	mg/kg	U	U	0.81	mg/kg	U	U	0.81	mg/kg	U
Vanadium	U	0.85	mg/kg	U	B	7.60	mg/kg	-	B	9.40	mg/kg	-
Zinc		29.80	mg/kg	-		31.70	mg/kg	-		15.30	mg/kg	-

000369

7173

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 2E - NFS Storage & Pump House
Analytical Results - Metals

Material:	CONCRETE CORE			CONCRETE CORE			MASONRY CHIPS		
Depth:	0-.5"			.5-1"			0-.5"		
Process Area:	1			1			1		
Sample:	2E-003A			2E-004A			2E-007		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
etals									
Aluminum		6350.00	mg/kg -		5770.00	mg/kg -		5390.00	mg/kg -
Antimony	U	9.60	mg/kg UJ	U	9.60	mg/kg UJ	UN	9.30	mg/kg UJ
Arsenic	S	6.30	mg/kg -		4.40	mg/kg -		2.70	mg/kg -
Barium		57.70	mg/kg -		53.70	mg/kg -	B	32.90	mg/kg -
Beryllium	B	0.24	mg/kg -	B	0.23	mg/kg -	B	0.50	mg/kg -
Cadmium	B	0.73	mg/kg -	U	0.63	mg/kg U	B	0.70	mg/kg U
Calcium		201000.00	mg/kg -		207000.00	mg/kg -		161000.00	mg/kg -
Chromium		121.00	mg/kg -		115.00	mg/kg -	B	1.50	mg/kg -
Cobalt	B	2.90	mg/kg -	B	2.40	mg/kg -	B	4.20	mg/kg -
Copper		21.40	mg/kg -		23.90	mg/kg -		109.00	mg/kg -
Iron		6430.00	mg/kg -		5980.00	mg/kg -	E	7450.00	mg/kg J
Lead		4.10	mg/kg -		7.00	mg/kg -	N*	4.00	mg/kg J
Magnesium		37700.00	mg/kg -		55400.00	mg/kg -		35600.00	mg/kg -
Manganese		306.00	mg/kg -		221.00	mg/kg -	E	297.00	mg/kg J
Mercury	U	0.10	mg/kg U	U	0.10	mg/kg U	U	0.10	mg/kg U
Molybdenum									
Nickel		10.60	mg/kg U		11.60	mg/kg -		16.90	mg/kg -
Potassium	B	547.00	mg/kg -	B	436.00	mg/kg -	B	848.00	mg/kg -
Selenium	UW	0.62	mg/kg UJ	UW	0.63	mg/kg UJ	U	0.61	mg/kg U
Silicon									
Silver	U	0.83	mg/kg U	U	0.84	mg/kg U		3.50	mg/kg -
Sodium	B	495.00	mg/kg J	B	494.00	mg/kg J	B	610.00	mg/kg J
Thallium	U	0.83	mg/kg U	U	0.83	mg/kg U	U	0.81	mg/kg U
Vanadium		12.80	mg/kg -		12.50	mg/kg -	B	3.70	mg/kg U
Zinc		54.00	mg/kg -		47.70	mg/kg -	*	56.20	mg/kg -

000340

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2F - Cold Side Ore Conveyor
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	2F-002				2F-004A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4130.00	mg/kg	-		6500.00	mg/kg	-
Antimony	UN	54.10	mg/kg	UJ	BWN	7.40	mg/kg	J
Arsenic	N	6.70	mg/kg	J	N	57.90	mg/kg	J
Barium	B	58.00	mg/kg	-	*	254.00	mg/kg	J
Beryllium	B	0.94	mg/kg	U	U	0.20	mg/kg	U
Cadmium	U	5.70	mg/kg	U		18.90	mg/kg	-
Calcium		173000.00	mg/kg	-		19800.00	mg/kg	-
Chromium	B	7.30	mg/kg	-	N*	5370.00	mg/kg	J
Cobalt	U	6.50	mg/kg	U		102.00	mg/kg	-
Copper	B	27.60	mg/kg	U	N*	199.00	mg/kg	J
Iron	*	9240.00	mg/kg	-	*	147000.00	mg/kg	J
Lead	N	92.10	mg/kg	J		22300.00	mg/kg	-
Magnesium		43500.00	mg/kg	-		4730.00	mg/kg	-
Manganese		382.00	mg/kg	-	N	945.00	mg/kg	J
Mercury	U	0.05	mg/kg	U		8.20	mg/kg	-
Molybdenum								
Nickel	U	24.70	mg/kg	U	*	57.30	mg/kg	-
Potassium	U	6480.00	mg/kg	U		2230.00	mg/kg	-
Selenium	BWN	0.32	mg/kg	UJ	UNW	2.00	mg/kg	UJ
Silicon								
Silver	U	6.90	mg/kg	U	B	0.78	mg/kg	U
Sodium	B	830.00	mg/kg	-	B	420.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ	UWN	0.20	mg/kg	UJ
Vanadium	B	41.50	mg/kg	-		20.00	mg/kg	-
Zinc	*	63.40	mg/kg	-		19700.00	mg/kg	-

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2G - Hot Side Ore Conveyor
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	2G-003				2G-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4530.00	mg/kg	-		12900.00	mg/kg	-
Antimony	UN	54.50	mg/kg	UJ		28.80	mg/kg	-
Arsenic	N	3.30	mg/kg	J	N	34.00	mg/kg	J
Barium	B	147.00	mg/kg	-		6340.00	mg/kg	-
Beryllium	B	0.91	mg/kg	U	B	0.31	mg/kg	U
Cadmium	U	5.80	mg/kg	U	N	13.50	mg/kg	J
Calcium		163000.00	mg/kg	-		8490.00	mg/kg	-
Chromium	B	7.30	mg/kg	-		1970.00	mg/kg	-
Cobalt	U	6.60	mg/kg	U		79.40	mg/kg	-
Copper	B	26.90	mg/kg	U		102.00	mg/kg	-
Iron	*	8300.00	mg/kg	-		75700.00	mg/kg	-
Lead	SN	13.80	mg/kg	J		130000.00	mg/kg	-
Magnesium		39700.00	mg/kg	-		4530.00	mg/kg	-
Manganese		259.00	mg/kg	-	N	441.00	mg/kg	J
Mercury	B	0.05	mg/kg	-	N	19.50	mg/kg	-
Molybdenum								
Nickel	U	24.90	mg/kg	U		45.60	mg/kg	-
Potassium	U	6520.00	mg/kg	U	U	646.00	mg/kg	U
Selenium	BWN	0.31	mg/kg	UJ	UN	3.70	mg/kg	R
Silicon								
Silver	U	7.00	mg/kg	U	U	0.69	mg/kg	U
Sodium	B	1210.00	mg/kg	-	B	154.00	mg/kg	-
Thallium	UN	0.31	mg/kg	UJ	UWN	2.20	mg/kg	UJ
Vanadium	B	31.20	mg/kg	-		72.40	mg/kg	-
Zinc	*	69.40	mg/kg	-		9900.00	mg/kg	-

2735000

Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				STEEL COATINGS			
Depth:	0-.5"											
Process Area:	1				1				1			
Sample:	2H-003				2H-004A				2H-005A DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	E	4100.00	mg/kg	J	E	961.00	mg/kg	-	E	934.00	mg/kg	-
Antimony	UN	1.10	mg/kg	R	N	26.20	mg/kg	-	N	27.80	mg/kg	-
Arsenic	N	10.10	mg/kg	-	N	42.50	mg/kg	-	N	29.20	mg/kg	-
Barium	EN*	52.10	mg/kg	J	EN*	70.40	mg/kg	-	EN*	52.30	mg/kg	-
Beryllium	UN	0.01	mg/kg	UJ	N	4.00	mg/kg	-	N	4.20	mg/kg	-
Cadmium	*	1.50	mg/kg	J	*	21.20	mg/kg	-	*	21.50	mg/kg	-
Calcium		208000.00	mg/kg	-		8120.00	mg/kg	-		7170.00	mg/kg	-
Chromium	N	12.40	mg/kg	J	N	867.00	mg/kg	-	N	889.00	mg/kg	-
Cobalt	N	8.60	mg/kg	J	N	14.90	mg/kg	-	N	14.00	mg/kg	-
Copper	N	38.60	mg/kg	J	N	57.20	mg/kg	-	N	52.80	mg/kg	-
Iron	E	9760.00	mg/kg	J	E	75700.00	mg/kg	-	E	66600.00	mg/kg	-
Lead		112.00	mg/kg	UJ	S	121000.00	mg/kg	-		133000.00	mg/kg	-
Magnesium		66200.00	mg/kg	-		1050.00	mg/kg	-		970.00	mg/kg	-
Manganese	E*	233.00	mg/kg	J	E*	531.00	mg/kg	-	E*	496.00	mg/kg	-
Mercury	U*	0.04	mg/kg	U	*	0.12	mg/kg	-	*	0.14	mg/kg	-
Molybdenum												
Nickel	N	13.80	mg/kg	J	N	39.20	mg/kg	-	N	38.90	mg/kg	-
Potassium		683.00	mg/kg	-		251.00	mg/kg	-	B	245.00	mg/kg	-
Selenium	+*	10.20	mg/kg	J	U*E	1.30	mg/kg	UJ	UW*	1.30	mg/kg	UJ
Silicon												
Silver	U	0.21	mg/kg	U		1.20	mg/kg	-		1.40	mg/kg	-
Sodium	E	278.00	mg/kg	J	BE	137.00	mg/kg	-	BE	155.00	mg/kg	-
Thallium	UWN	0.33	mg/kg	UJ	UEN	1.60	mg/kg	R	UEN	1.70	mg/kg	R
Vanadium	N	10.70	mg/kg	J	N	7.40	mg/kg	-	N	8.50	mg/kg	-
Zinc	E*	135.00	mg/kg	J	E*	537.00	mg/kg	-	E*	502.00	mg/kg	-

000373

2178

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3A - Maintenance Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-6"								0-.5"			
Process Area:	1				1				1				1				1			
Sample:	3A-003				3A-004				3A-005				3A-007				3A-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
letals																				
Aluminum		5390.00	mg/kg	J		4170.00	mg/kg	J		5120.00	mg/kg	J		3000.00	mg/kg	J		4910.00	mg/kg	J
Antimony	U	7.30	mg/kg	U	U	7.30	mg/kg	U	U	7.40	mg/kg	U	U	28.10	mg/kg	-	U	7.20	mg/kg	U
Arsenic	UN*	2.00	mg/kg	UJ	UN*	2.00	mg/kg	UJ	BMN	5.30	mg/kg	J	BN*	3.40	mg/kg	J	UN*	2.00	mg/kg	UJ
Barium		269.00	mg/kg	-		43.20	mg/kg	-		45.10	mg/kg	-		357.00	mg/kg	-		59.30	mg/kg	-
Beryllium	B	0.33	mg/kg	-	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	1.20	mg/kg	U	U	0.20	mg/kg	U
Cadmium	B	0.75	mg/kg	-	U	0.61	mg/kg	U	U	0.62	mg/kg	U		7.20	mg/kg	-	U	0.60	mg/kg	U
Calcium		197000.00	mg/kg	-		201000.00	mg/kg	-		184000.00	mg/kg	-		58900.00	mg/kg	-		181000.00	mg/kg	-
Chromium	EN*	7.30	mg/kg	J	EN*	6.70	mg/kg	J	EN*	8.00	mg/kg	J	EN*	1380.00	mg/kg	J	EN*	45.50	mg/kg	J
Cobalt	B	5.30	mg/kg	-	B	2.00	mg/kg	-	B	2.50	mg/kg	-		108.00	mg/kg	-	B	4.10	mg/kg	-
Copper	N*	30.60	mg/kg	J	N*	9.40	mg/kg	J	N*	9.70	mg/kg	J	N*	105.00	mg/kg	J	N*	13.90	mg/kg	J
Iron		8620.00	mg/kg	-		6170.00	mg/kg	-		7840.00	mg/kg	-		13400.00	mg/kg	-		7690.00	mg/kg	-
Lead	N*	42.00	mg/kg	J	•	1.80	mg/kg	J	•	1.90	mg/kg	J	N*	89300.00	mg/kg	J	N*	158.00	mg/kg	J
Magnesium	•	46800.00	mg/kg	J	•	61500.00	mg/kg	J	*	57900.00	mg/kg	J	B*	1500.00	mg/kg	J	•	35600.00	mg/kg	J
Manganese		333.00	mg/kg	-		268.00	mg/kg	-		290.00	mg/kg	-		172.00	mg/kg	-		359.00	mg/kg	-
Mercury		1.30	mg/kg	-	U	0.10	mg/kg	U	U	0.10	mg/kg	U		2.70	mg/kg	-		0.46	mg/kg	-
Molybdenum																				
Nickel	N	15.90	mg/kg	J	N	8.80	mg/kg	J	BN	7.60	mg/kg	J	BN	19.20	mg/kg	J	N	10.40	mg/kg	J
Potassium	B	967.00	mg/kg	-	B	929.00	mg/kg	-	B	818.00	mg/kg	-	U	526.00	mg/kg	-		1030.00	mg/kg	-
Selenium	U	2.00	mg/kg	U	UW	2.00	mg/kg	UJ	U	2.10	mg/kg	U	UE	2.10	mg/kg	R	U	2.00	mg/kg	U
Silicon																				
Silver	B	1.60	mg/kg	-	U	0.82	mg/kg	U	U	0.82	mg/kg	U	B	7.30	mg/kg	-	U	0.80	mg/kg	U
Sodium	B	799.00	mg/kg	J	B	689.00	mg/kg	J	B	731.00	mg/kg	J	B	970.00	mg/kg	J	B	581.00	mg/kg	J
Thallium	U	0.61	mg/kg	U	U	0.61	mg/kg	U	U	0.62	mg/kg	U	U	0.62	mg/kg	U	U	0.60	mg/kg	U
Vanadium		10.40	mg/kg	-		11.70	mg/kg	-		14.30	mg/kg	-	U	5.30	mg/kg	-		14.50	mg/kg	-
Zinc	N*	75.30	mg/kg	J	N*	23.80	mg/kg	J	N*	26.20	mg/kg	J	N*	7160.00	mg/kg	J	N*	48.90	mg/kg	J

000374

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3B - Ozone Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	3B-003				3B-004				3B-005				3B-007A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		4980.00	mg/kg	-		4030.00	mg/kg	-		5140.00	mg/kg	-	*	969.00	mg/kg	-
Antimony	BN	2.90	mg/kg	UJ	UN	1.00	mg/kg	UJ	BN	1.20	mg/kg	UJ	UEN	5.10	mg/kg	UJ
Arsenic	NS	11.60	mg/kg	J	NS	2.40	mg/kg	UJ	BN	3.30	mg/kg	UJ	N	21.80	mg/kg	UJ
Barium		89.80	mg/kg	-		47.20	mg/kg	-		47.60	mg/kg	-		83.10	mg/kg	-
Beryllium	U	0.83	mg/kg	U	B	0.83	mg/kg	-		1.40	mg/kg	-	U	0.82	mg/kg	U
Cadmium		3.80	mg/kg	-	U	1.00	mg/kg	U	U	1.00	mg/kg	U		25.50	mg/kg	-
Calcium	*	224000.00	mg/kg	-	*	180000.00	mg/kg	-	*	199000.00	mg/kg	-		7270.00	mg/kg	-
Chromium	N*	105.00	mg/kg	J	N*	8.70	mg/kg	UJ	N*	25.20	mg/kg	J		98.90	mg/kg	-
Cobalt	B	9.10	mg/kg	U	B	1.90	mg/kg	U	B	2.80	mg/kg	U		26.00	mg/kg	-
Copper	N*	143.00	mg/kg	J	N*	6.00	mg/kg	J	N*	7.80	mg/kg	J	N	266.00	mg/kg	J
Iron		43700.00	mg/kg	-		6240.00	mg/kg	-		7850.00	mg/kg	-	*	306000.00	mg/kg	-
Lead	N*	120.00	mg/kg	J	NW*	4.20	mg/kg	J	N*	5.50	mg/kg	J	*	557.00	mg/kg	J
Magnesium	*	49400.00	mg/kg	-	*	37800.00	mg/kg	-	*	50000.00	mg/kg	-	*	1400.00	mg/kg	J
Manganese	*	731.00	mg/kg	-	*	343.00	mg/kg	-	*	370.00	mg/kg	-	N*	1720.00	mg/kg	J
Mercury	*	0.37	mg/kg	-	U*	0.05	mg/kg	U	B*	0.07	mg/kg	U	*	0.18	mg/kg	J
Molybdenum																
Nickel	EN	133.00	mg/kg	J	BEN	5.40	mg/kg	J	EN	16.30	mg/kg	J	*	190.00	mg/kg	-
Potassium	B	1000.00	mg/kg	-	B	628.00	mg/kg	-	B	723.00	mg/kg	-		2420.00	mg/kg	-
Selenium	UNW	2.10	mg/kg	U	UEN	2.10	mg/kg	U	UNW	2.10	mg/kg	U	U*	2.10	mg/kg	U
Silicon																
Silver	UNW	0.21	mg/kg	UJ	UN*	0.21	mg/kg	UJ	BNW	9.30	mg/kg	J	UW	0.21	mg/kg	U
Sodium	B	807.00	mg/kg	U	B	327.00	mg/kg	U	B	291.00	mg/kg	U		3110.00	mg/kg	-
Thallium	UW	0.21	mg/kg	UJ	UW	0.21	mg/kg	UJ	UW	0.21	mg/kg	UJ	UN	1.00	mg/kg	R
Vanadium		32.70	mg/kg	-		19.00	mg/kg	U		26.60	mg/kg	U		11.90	mg/kg	U
Zinc	N*	96.30	mg/kg	J	N*	17.50	mg/kg	J	N*	14.30	mg/kg	UJ		836.00	mg/kg	-

000375

7173

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 3C - NAR Control House
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	3C-003				3C-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	*	2570.00	mg/kg	-	*	37200.00	mg/kg	-
Antimony	U	9.50	mg/kg	U	U	9.20	mg/kg	U
Arsenic	N	4.50	mg/kg	J	N	2.70	mg/kg	J
Barium		87.00	mg/kg	-		107.00	mg/kg	-
Beryllium	B	0.21	mg/kg	-	U	0.20	mg/kg	U
Cadmium	UN*	1.00	mg/kg	UJ	N*	2.20	mg/kg	J
Calcium		94400.00	mg/kg	-		35400.00	mg/kg	-
Chromium		24.00	mg/kg	-		495.00	mg/kg	-
Cobalt	B	4.30	mg/kg	U		95.10	mg/kg	-
Copper		38.20	mg/kg	-		41.80	mg/kg	-
Iron		15400.00	mg/kg	-		11600.00	mg/kg	-
Lead	WS*	78.80	mg/kg	-	E	241000.00	mg/kg	J
Magnesium		21700.00	mg/kg	-		1660.00	mg/kg	-
Manganese	N*E	241.00	mg/kg	J	N*E	164.00	mg/kg	J
Mercury	N*	0.09	mg/kg	U	N*	1.60	mg/kg	-
Molybdenum								
Nickel		37.30	mg/kg	-		14.50	mg/kg	-
Potassium	B	587.00	mg/kg	-	B	399.00	mg/kg	-
Selenium	UWN	0.41	mg/kg	R	UWN	4.00	mg/kg	R
Silicon								
Silver	UN	1.40	mg/kg	U	N	2.20	mg/kg	-
Sodium	B	622.00	mg/kg	-	B	690.00	mg/kg	-
Thallium	UNW	0.41	mg/kg	UJ	UNW	4.00	mg/kg	UJ
Vanadium	B	9.10	mg/kg	-	U	0.60	mg/kg	U
Zinc	*N	25.50	mg/kg	J	*N	7840.00	mg/kg	J

93000

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	3D-002				3D-003				3D-004				3D-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	E	11000.00	mg/kg	J	E	2800.00	mg/kg	J	E	1680.00	mg/kg	J	E	38300.00	mg/kg	J
Antimony	UN*	9.70	mg/kg	U	UN*	9.60	mg/kg	U	UN*	9.90	mg/kg	U	UN*	9.30	mg/kg	U
Arsenic	NS	2.90	mg/kg	J	NS	2.40	mg/kg	J	BN	1.20	mg/kg	J	NS	4.40	mg/kg	J
Barium	B*E	32.30	mg/kg	J	B*E	26.50	mg/kg	J	B*E	14.30	mg/kg	J	B*E	40.00	mg/kg	J
Beryllium	B	0.34	mg/kg	-	U	0.21	mg/kg	U	U	0.21	mg/kg	U	U	0.20	mg/kg	U
Cadmium	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U	N	1.20	mg/kg	J	N	1.10	mg/kg	J
Calcium	E	117000.00	mg/kg	J	E	148000.00	mg/kg	J	E	82600.00	mg/kg	J	E	27400.00	mg/kg	J
Chromium	*E	26.20	mg/kg	J	*E	7.20	mg/kg	J	*E	4.90	mg/kg	J	*E	136.00	mg/kg	J
Cobalt	BNE	4.70	mg/kg	UJ	BNE	2.30	mg/kg	UJ	UNE	1.50	mg/kg	UJ	BNE	3.00	mg/kg	UJ
Copper		27.00	mg/kg	-		19.70	mg/kg	-		16.00	mg/kg	-		26.70	mg/kg	-
Iron	E	8050.00	mg/kg	J	E	4630.00	mg/kg	J	E	3680.00	mg/kg	J	E	12900.00	mg/kg	J
Lead	•	14.10	mg/kg	-	•	60.80	mg/kg	-	•	25.60	mg/kg	-	•	1900.00	mg/kg	-
Magnesium	E	28400.00	mg/kg	J	E	42600.00	mg/kg	J	E	23500.00	mg/kg	J	E	8330.00	mg/kg	J
Manganese	NE	150.00	mg/kg	J	NE	193.00	mg/kg	J	NE	96.00	mg/kg	J	NE	145.00	mg/kg	J
Mercury	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U
Molybdenum																
Nickel		13.40	mg/kg	-	B	3.50	mg/kg	-	B	4.30	mg/kg	-		13.30	mg/kg	-
Potassium	B	436.00	mg/kg	-	B	348.00	mg/kg	-	U	194.00	mg/kg	U	B	226.00	mg/kg	-
Selenium	UN	4.20	mg/kg	R	UNW	0.42	mg/kg	R	UNW	0.43	mg/kg	R	UWN	0.41	mg/kg	R
Silicon																
Silver	U	1.50	mg/kg	U	U	1.50	mg/kg	U		3.90	mg/kg	-	U	1.40	mg/kg	U
Sodium	BE	249.00	mg/kg	J	BE	261.00	mg/kg	J	BE	197.00	mg/kg	J	BE	168.00	mg/kg	J
Thallium	UNW	0.42	mg/kg	UJ	UN	0.42	mg/kg	UJ	UNW	0.43	mg/kg	UJ	UN	0.41	mg/kg	UJ
Vanadium	N	26.90	mg/kg	J	BN	7.90	mg/kg	UJ	BN	4.60	mg/kg	UJ	BN	2.50	mg/kg	UJ
Zinc	E	68.30	mg/kg	J	E	63.30	mg/kg	J	E	44.80	mg/kg	J	E	140.00	mg/kg	J

000377

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Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	1				1				1				1				1			
Sample:	3E-003				3E-004				3E-005				3E-006				3E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3370.00	mg/kg	-		3160.00	mg/kg	-		3330.00	mg/kg	-		4400.00	mg/kg	-		8800.00	mg/kg	-
Antimony	U	3.90	mg/kg	U	U	4.00	mg/kg	U	B	5.40	mg/kg	U	U	1.00	mg/kg	U	BN	1.50	mg/kg	J
Arsenic		3.90	mg/kg	-	N	2.60	mg/kg	-	B	1.80	mg/kg	-	B	1.30	mg/kg	-	N*+	4.20	mg/kg	J
Barium		43.40	mg/kg	-	B	34.70	mg/kg	-	B	34.00	mg/kg	-		179.00	mg/kg	-		10500.00	mg/kg	-
Beryllium	B	0.26	mg/kg	-	U	0.21	mg/kg	U	U	0.21	mg/kg	U	U	0.81	mg/kg	U	BN*	0.96	mg/kg	-
Cadmium	U	0.82	mg/kg	U	U	0.83	mg/kg	U	U	0.83	mg/kg	U	U	0.41	mg/kg	U		3.20	mg/kg	-
Calcium	E	189000.00	mg/kg	-	E	134000.00	mg/kg	J	E	149000.00	mg/kg	J		1350.00	mg/kg	-		3260.00	mg/kg	-
Chromium		8.00	mg/kg	-		7.30	mg/kg	-		6.50	mg/kg	-		42.50	mg/kg	-		235.00	mg/kg	-
Cobalt	B	2.40	mg/kg	-	B	1.80	mg/kg	-	B	2.00	mg/kg	-	U	2.40	mg/kg	U	B	10.30	mg/kg	-
Copper	•	86.00	mg/kg	J	•	11.70	mg/kg	J	•	10.80	mg/kg	J	N	30.10	mg/kg	-	•	117.00	mg/kg	-
Iron		6300.00	mg/kg	-		4440.00	mg/kg	-		4630.00	mg/kg	-	•	3530.00	mg/kg	-		43900.00	mg/kg	-
Lead	N*	7.80	mg/kg	J		2.70	mg/kg	J		2.00	mg/kg	UJ		8.50	mg/kg	-		94900.00	mg/kg	-
Magnesium		35000.00	mg/kg	-		30600.00	mg/kg	-		36500.00	mg/kg	-		1910.00	mg/kg	-	•	1660.00	mg/kg	-
Manganese	N	287.00	mg/kg	-	N	206.00	mg/kg	-	N	210.00	mg/kg	-		111.00	mg/kg	-	N*	233.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	N	0.68	mg/kg	R
Molybdenum																				
Nickel		11.90	mg/kg	-	B	4.60	mg/kg	-	B	4.80	mg/kg	-		40.80	mg/kg	-		43.20	mg/kg	-
Potassium	B	865.00	mg/kg	-	B	412.00	mg/kg	-	B	438.00	mg/kg	-		1560.00	mg/kg	-	B	164.00	mg/kg	-
Selenium	UN	4.10	mg/kg	UJ	UN	4.20	mg/kg	UJ	UN	4.10	mg/kg	UJ	UN	0.41	mg/kg	UJ	UNW	0.21	mg/kg	UJ
Silicon																				
Silver	U	1.00	mg/kg	U	U	1.00	mg/kg	U		2.20	mg/kg	-	UNW	0.41	mg/kg	UJ	B	0.46	mg/kg	-
Sodium	B	741.00	mg/kg	-	B	250.00	mg/kg	-	B	225.00	mg/kg	-		3460.00	mg/kg	-	B	215.00	mg/kg	-
Thallium	U	0.41	mg/kg	UJ	U	0.42	mg/kg	UJ	UWN	0.41	mg/kg	UJ	BNW	0.50	mg/kg	UJ	BW	0.24	mg/kg	J
Vanadium	U	0.82	mg/kg	U	B	6.20	mg/kg	-	B	6.80	mg/kg	-	B	8.70	mg/kg	U		17.80	mg/kg	U
Zinc	E	60.00	mg/kg	J	E	15.30	mg/kg	J	E	15.10	mg/kg	J	*	11.00	mg/kg	U		713.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				TRANSITE			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	3E-012				3E-013				3E-014				3E-015(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		3850.00	mg/kg	-		3560.00	mg/kg	-		3450.00	mg/kg	-				
Antimony	U	3.80	mg/kg	U	U	3.80	mg/kg	U	U	3.80	mg/kg	U				
Arsenic	S	2.30	mg/kg	-	BS	1.70	mg/kg	-	W	2.10	mg/kg	J	U	0.0050	mg/L	UJ
Barium		70.00	mg/kg	-		44.20	mg/kg	-	B	37.80	mg/kg	-		0.3050	mg/L	U
Beryllium	B	0.27	mg/kg	-	U	0.20	mg/kg	U	U	0.20	mg/kg	U				
Cadmium	U	0.79	mg/kg	U	U	0.80	mg/kg	U	U	0.80	mg/kg	U	U	0.0200	mg/L	U
Calcium	E	170000.00	mg/kg	J	E	169000.00	mg/kg	J	E	183000.00	mg/kg	J				
Chromium		6.30	mg/kg	-		6.30	mg/kg	-		6.10	mg/kg	-		5.9630	mg/L	J
Cobalt		24.60	mg/kg	-	B	3.30	mg/kg	-	B	2.70	mg/kg	-				
Copper	•	27.20	mg/kg	J	•	7.00	mg/kg	J	•	6.10	mg/kg	J				
Iron		5880.00	mg/kg	-		5760.00	mg/kg	-		5730.00	mg/kg	-				
Lead	SN	10.40	mg/kg	J	SN	4.40	mg/kg	J	N	2.80	mg/kg	J	U	0.3900	mg/L	U
Magnesium		35400.00	mg/kg	-		38200.00	mg/kg	-		36600.00	mg/kg	-				
Manganese	N	306.00	mg/kg	-	N	335.00	mg/kg	-	N	281.00	mg/kg	-				
Mercury	B	0.06	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.0005	mg/L	U
Molybdenum																
Nickel		45.30	mg/kg	-	B	6.80	mg/kg	-	B	7.20	mg/kg	-				
Potassium	B	793.00	mg/kg	-	B	509.00	mg/kg	-	B	538.00	mg/kg	-				
Selenium	UWN	0.40	mg/kg	UJ	UWN	4.00	mg/kg	UJ	UN	4.00	mg/kg	UJ	U	0.0100	mg/L	UJ
Silicon																
Silver	B	1.10	mg/kg	-	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	0.0350	mg/L	R
Sodium	B	474.00	mg/kg	-	B	355.00	mg/kg	-	B	313.00	mg/kg	-				
Thallium	UWM	0.40	mg/kg	UJ	UWN	0.40	mg/kg	UJ	UWN	0.40	mg/kg	UJ				
Vanadium	B	2.40	mg/kg	-	B	7.70	mg/kg	-	B	7.10	mg/kg	-				
Zinc	E	18.20	mg/kg	J	E	14.40	mg/kg	J	E	14.10	mg/kg	J				

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	1				1				1				1				1			
Sample:	3F-002				3F-003				3F-004				3F-005				3F-007A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4650.00	mg/kg	-		4830.00	mg/kg	-		5020.00	mg/kg	-		275.00	mg/kg	-	•	727.00	mg/kg	U
Antimony	BN	11.40	mg/kg	J	UN	9.90	mg/kg	UJ	UN	9.90	mg/kg	UJ	U	1.00	mg/kg	U	UN	63.50	mg/kg	UJ
Arsenic	N	6.40	mg/kg	-	SN	4.50	mg/kg	-	N	5.50	mg/kg	-	U	0.42	mg/kg	U	N	13.30	mg/kg	J
Barium	N*	57.70	mg/kg	-	N*	50.80	mg/kg	-	N*	58.30	mg/kg	-	B	7.30	mg/kg	-	B	59.00	mg/kg	-
Beryllium	B	0.23	mg/kg	-	B	0.22	mg/kg	-	B	0.24	mg/kg	-	U	0.84	mg/kg	U	UN	1.50	mg/kg	U
Cadmium		1.60	mg/kg	U		6.90	mg/kg	-		1.80	mg/kg	U	U	0.42	mg/kg	U	U	2.70	mg/kg	U
Calcium		179000.00	mg/kg	-		170000.00	mg/kg	-		168000.00	mg/kg	-	B	263.00	mg/kg	U	B	1340.00	mg/kg	-
Chromium	N*	13.00	mg/kg	J	N*	7.00	mg/kg	J	N*	8.20	mg/kg	J		4.90	mg/kg	U		79.10	mg/kg	-
Cobalt	B	2.80	mg/kg	-	B	2.80	mg/kg	-	B	2.30	mg/kg	-	U	2.50	mg/kg	U	B	14.60	mg/kg	-
Copper	N*	9.80	mg/kg	J	N*	13.60	mg/kg	J	N*	11.10	mg/kg	J	UN	1.00	mg/kg	U		158.00	mg/kg	-
Iron	E*	6950.00	mg/kg	J	E*	6630.00	mg/kg	J	E*	8340.00	mg/kg	J	•	761.00	mg/kg	-	•	132000.00	mg/kg	-
Lead	E*	56.20	mg/kg	J	S	6.50	mg/kg	J		3.10	mg/kg	J		5.00	mg/kg	-	•	819.00	mg/kg	-
Magnesium		52000.00	mg/kg	-		46600.00	mg/kg	-		46300.00	mg/kg	-	B	92.50	mg/kg	-	B	2260.00	mg/kg	-
Manganese	E	336.00	mg/kg	J	E	322.00	mg/kg	J	E	344.00	mg/kg	J		7.00	mg/kg	-		953.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U	0.10	mg/kg	U		1.40	mg/kg	-		9.10	mg/kg	-
Molybdenum																				
Nickel	B	5.90	mg/kg	-	B	4.50	mg/kg	-	B	5.50	mg/kg	-	B	3.70	mg/kg	U	B*	57.30	mg/kg	-
Potassium	B	764.00	mg/kg	-	B	677.00	mg/kg	-	B	723.00	mg/kg	-	B	214.00	mg/kg	-	B	1760.00	mg/kg	U
Selenium	UWN	0.59	mg/kg	UJ	UWN	0.60	mg/kg	UJ	UWN	0.60	mg/kg	UJ	UN	0.42	mg/kg	UJ	BWN	0.43	mg/kg	J
Silicon																				
Silver	BN*	0.83	mg/kg	-	N*	22.70	mg/kg	-	N*	4.90	mg/kg	-	UNW	0.42	mg/kg	UJ	UN	5.60	mg/kg	UJ
Sodium	B	527.00	mg/kg	UJ	B	484.00	mg/kg	UJ	B	486.00	mg/kg	UJ	B	111.00	mg/kg	-	B	567.00	mg/kg	U
Thallium	UW	0.59	mg/kg	UJ	U	0.60	mg/kg	U	U	0.60	mg/kg	U	BNW	0.33	mg/kg	UJ	UWN	0.19	mg/kg	UJ
Vanadium		12.30	mg/kg	-		12.80	mg/kg	-		11.40	mg/kg	-	U	2.50	mg/kg	U	B	45.00	mg/kg	U
Zinc	EN*	46.60	mg/kg	J	EN*	24.50	mg/kg	J	EN*	19.50	mg/kg	J	B*	1.90	mg/kg	U		259.00	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3G - Refrigeration Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	3G-003				3G-004				3G-005				3G-007A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5310.00	mg/kg	-		6020.00	mg/kg	-		5840.00	mg/kg	-		2040.00	mg/kg	-
Antimony	UN	1.00	mg/kg	R	UN	1.00	mg/kg	R	UN	1.00	mg/kg	R	BN	2.30	mg/kg	J
Arsenic	BW	6.20	mg/kg	J	UW	0.62	mg/kg	U	U	0.62	mg/kg	U	BS	1.70	mg/kg	-
Barium		65.40	mg/kg	-		66.00	mg/kg	-		63.50	mg/kg	-		69.80	mg/kg	-
Beryllium	B	0.37	mg/kg	-	B	0.32	mg/kg	-	B	0.38	mg/kg	-	B	0.75	mg/kg	-
Cadmium	U	0.41	mg/kg	U	B	0.45	mg/kg	-	B	0.79	mg/kg	-		6.70	mg/kg	-
Calcium		183000.00	mg/kg	-		192000.00	mg/kg	-		222000.00	mg/kg	-		13400.00	mg/kg	-
Chromium		32.90	mg/kg	-		8.50	mg/kg	-		9.20	mg/kg	-		643.00	mg/kg	-
Cobalt	B	5.60	mg/kg	U	B	4.60	mg/kg	U	B	4.60	mg/kg	U		83.30	mg/kg	-
Copper		11.60	mg/kg	-		7.40	mg/kg	-		9.00	mg/kg	-		193.00	mg/kg	-
Iron		9440.00	mg/kg	-		8940.00	mg/kg	-		8830.00	mg/kg	-		50500.00	mg/kg	-
Lead		250.00	mg/kg	-	NS*	6.70	mg/kg	J	NS*	5.00	mg/kg	J		153000.00	mg/kg	-
Magnesium		47000.00	mg/kg	-		51200.00	mg/kg	-		56600.00	mg/kg	-		1550.00	mg/kg	-
Manganese		396.00	mg/kg	-		415.00	mg/kg	-		423.00	mg/kg	-		733.00	mg/kg	-
Mercury		1.30	mg/kg	-		0.18	mg/kg	-	B	0.07	mg/kg	-		7.50	mg/kg	-
Molybdenum																
Nickel		42.60	mg/kg	-	B	7.70	mg/kg	-		12.50	mg/kg	-		40.40	mg/kg	-
Potassium		2070.00	mg/kg	-		1300.00	mg/kg	-	B	1020.00	mg/kg	-	B	413.00	mg/kg	-
Selenium	UNW	0.61	mg/kg	R	UN	3.10	mg/kg	R	UNW	3.10	mg/kg	R	UEN	3.00	mg/kg	R
Silicon																
Silver	UW	0.41	mg/kg	U		2.80	mg/kg	-		2.40	mg/kg	-	B	1.10	mg/kg	U
Sodium	B	975.00	mg/kg	-	B	489.00	mg/kg	-	B	385.00	mg/kg	-	B	717.00	mg/kg	-
Thallium	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	0.21	mg/kg	U	UW	0.20	mg/kg	UJ
Vanadium		16.00	mg/kg	-		12.20	mg/kg	-		15.60	mg/kg	-	B	5.80	mg/kg	-
Zinc	N*	41.40	mg/kg	J	N*	32.80	mg/kg	J	N*	99.40	mg/kg	J	N*	15200.00	mg/kg	J

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	1				1				1				1				1			
Sample:	3H-002				3H-003				3H-004				3H-005				3H-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5390.00	mg/kg	-		4560.00	mg/kg	-		4220.00	mg/kg	-		893.00	mg/kg	-		4760.00	mg/kg	-
Antimony	U	5.60	mg/kg	U	B	6.70	mg/kg	-	U	27.70	mg/kg	U	UN	2.10	mg/kg	R	U	5.40	mg/kg	U
Arsenic		2.90	mg/kg	U		2.70	mg/kg	U		2.50	mg/kg	U	B	0.94	mg/kg	U		2.50	mg/kg	U
Barium		44.40	mg/kg	-	B	24.40	mg/kg	-	B	31.40	mg/kg	-	N	275.00	mg/kg	J		133.00	mg/kg	-
Beryllium	B	0.55	mg/kg	U	B	0.61	mg/kg	U	B	0.60	mg/kg	U	UN	0.02	mg/kg	UJ	B	0.15	mg/kg	U
Cadmium	U	0.60	mg/kg	U	U	0.59	mg/kg	U	B	0.64	mg/kg	-	UN	0.09	mg/kg	UJ		46.60	mg/kg	-
Calcium		185000.00	mg/kg	-		205000.00	mg/kg	-		212000.00	mg/kg	-		490.00	mg/kg	-		5640.00	mg/kg	-
Chromium		13.70	mg/kg	-		7.30	mg/kg	-	B	9.60	mg/kg	-	N	3.40	mg/kg	J		210.00	mg/kg	-
Cobalt	B	3.10	mg/kg	U	B	1.90	mg/kg	U	B	5.00	mg/kg	U	BN	0.64	mg/kg	J	B	3.30	mg/kg	U
Copper		33.30	mg/kg	-		6.10	mg/kg	-	B	14.90	mg/kg	U		13.30	mg/kg	-		51.00	mg/kg	-
Iron		10300.00	mg/kg	-		5040.00	mg/kg	-		9880.00	mg/kg	-	E	5080.00	mg/kg	J		11800.00	mg/kg	-
Lead	N	4.20	mg/kg	-	N	2.70	mg/kg	-	SN	2.80	mg/kg	-	EN*	18.20	mg/kg	J		2780.00	mg/kg	-
Magnesium		50900.00	mg/kg	-		49700.00	mg/kg	-		46900.00	mg/kg	-	E	251.00	mg/kg	J		7360.00	mg/kg	-
Manganese		222.00	mg/kg	-		265.00	mg/kg	-		289.00	mg/kg	-	E	92.90	mg/kg	J		110.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	N	0.14	mg/kg	J		0.17	mg/kg	-
Molybdenum																				
Nickel		10.20	mg/kg	-	B	5.00	mg/kg	-	B	5.50	mg/kg	-	BN	0.88	mg/kg	J		14.10	mg/kg	-
Potassium	U	673.00	mg/kg	U	B	674.00	mg/kg	-	U	662.00	mg/kg	U	E	376.00	mg/kg	J	U	643.00	mg/kg	U
Selenium	UWN	1.90	mg/kg	R	UWN	1.90	mg/kg	R	UWN	1.90	mg/kg	R	BN	0.22	mg/kg	U	B	0.50	mg/kg	-
Silicon																				
Silver	U	0.72	mg/kg	U	U	0.72	mg/kg	U	B	3.90	mg/kg	U	U	0.18	mg/kg	U	U	0.69	mg/kg	U
Sodium	B	250.00	mg/kg	-	B	368.00	mg/kg	-	B	362.00	mg/kg	-	B	142.00	mg/kg	-	B	164.00	mg/kg	-
Thallium	UWN	0.32	mg/kg	UJ	UWN	0.32	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UN	0.30	mg/kg	U	UW	0.14	mg/kg	UJ
Vanadium	B	3.80	mg/kg	U	B	5.20	mg/kg	U	B	13.30	mg/kg	U	EN	2.90	mg/kg	J	B	6.70	mg/kg	-
Zinc	N*	56.50	mg/kg	J	N*	19.30	mg/kg	J	N*	70.90	mg/kg	J	E*	2.70	mg/kg	J		215000.00	mg/kg	-

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Metals

Material:	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE
Depth:	0-.5"	0-.5"	.5-1"	.5-1"	1-4"
Process Area:	1	1	1	1	1
Sample:	3J-002	3J-002A	3J-003	3J-003A	3J-004

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3650.00	mg/kg	-		6700.00	mg/kg	-		3820.00	mg/kg	-		5360.00	mg/kg	-		3660.00	mg/kg	-
Antimony	UN	2.40	mg/kg	R	UN	57.30	mg/kg	UJ	UN	2.40	mg/kg	R	UN	56.10	mg/kg	UJ	UN	2.40	mg/kg	R
Arsenic	SN	3.70	mg/kg	J	N	7.20	mg/kg	J	N	3.20	mg/kg	J	N	4.90	mg/kg	J	N	3.20	mg/kg	J
Barium	•	35.80	mg/kg	J	B	69.80	mg/kg	-	*	37.40	mg/kg	J	B	62.40	mg/kg	-	*	30.80	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ	U	0.65	mg/kg	U	UN	0.02	mg/kg	UJ	B	1.30	mg/kg	U	UN	0.02	mg/kg	UJ
Cadmium		1.00	mg/kg	-	U	6.10	mg/kg	U		0.66	mg/kg	-	U	5.90	mg/kg	U	B	0.13	mg/kg	U
Calcium		147000.00	mg/kg	-		186000.00	mg/kg	-		184000.00	mg/kg	-		203000.00	mg/kg	-		185000.00	mg/kg	-
Chromium		6.00	mg/kg	-		44.80	mg/kg	-		5.90	mg/kg	-	B	9.10	mg/kg	-		5.60	mg/kg	-
Cobalt	N	2.90	mg/kg	-	B	88.40	mg/kg	-	N	2.70	mg/kg	-	U	6.80	mg/kg	U	BN	2.10	mg/kg	-
Copper		9.50	mg/kg	-		324.00	mg/kg	-		6.00	mg/kg	-	B	23.20	mg/kg	U		4.90	mg/kg	-
Iron		5200.00	mg/kg	-	*	11200.00	mg/kg	-		5000.00	mg/kg	-	*	8680.00	mg/kg	-		4610.00	mg/kg	-
Lead	•	3.40	mg/kg	J	SN	16.50	mg/kg	J	*	2.60	mg/kg	J	N	3.00	mg/kg	J	BS*	2.70	mg/kg	J
Magnesium		40700.00	mg/kg	-		33300.00	mg/kg	-		44600.00	mg/kg	-		39000.00	mg/kg	-		53500.00	mg/kg	-
Manganese		200.00	mg/kg	-		334.00	mg/kg	-		256.00	mg/kg	-		331.00	mg/kg	-		221.00	mg/kg	-
Mercury	N	0.23	mg/kg	J		0.26	mg/kg	-	BN	0.02	mg/kg	R	U	0.05	mg/kg	U	UN	0.03	mg/kg	R
Molybdenum																				
Nickel	N	4.50	mg/kg	-		116.00	mg/kg	-	N	4.80	mg/kg	-	U	25.60	mg/kg	U	N	3.50	mg/kg	-
Potassium		525.00	mg/kg	-	U	6850.00	mg/kg	U		590.00	mg/kg	-	U	6720.00	mg/kg	U		622.00	mg/kg	-
Selenium	U	1.10	mg/kg	U	BWN	0.59	mg/kg	UJ	UW	1.10	mg/kg	UJ	BWN	0.25	mg/kg	UJ	UW	1.00	mg/kg	UJ
Silicon																				
Silver		3.00	mg/kg	-	U	7.40	mg/kg	U		1.80	mg/kg	-	U	7.20	mg/kg	U	B	0.32	mg/kg	-
Sodium		286.00	mg/kg	-	B	367.00	mg/kg	U		410.00	mg/kg	-	B	444.00	mg/kg	U		528.00	mg/kg	-
Thallium	UN	0.32	mg/kg	UJ	UN	0.32	mg/kg	UJ	UN	0.32	mg/kg	UJ	UWN	0.32	mg/kg	UJ	UN	0.30	mg/kg	UJ
Vanadium	E	8.50	mg/kg	-	B	45.60	mg/kg	-	E	7.50	mg/kg	-	B	34.20	mg/kg	-	E	6.40	mg/kg	-
Zinc	E	19.70	mg/kg	-	B*	35.40	mg/kg	U	E	12.40	mg/kg	-	B*	24.20	mg/kg	U	E	11.20	mg/kg	-

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Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Metals

Material:	CONCRETE CORE				ACID BRICK				ACID BRICK				STEEL COATINGS			
Depth:	1-4"				0-.5"				0-.5"							
Process Area:	1				1				1				1			
Sample:	3J-004A				3J-005				3J-005A				3J-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5810.00	mg/kg	-		480.00	mg/kg	-		271.00	mg/kg	-		3790.00	mg/kg	-
Antimony	UN	56.30	mg/kg	UJ	UN	2.40	mg/kg	R	UN	5.60	mg/kg	UJ	UN	2.40	mg/kg	R
Arsenic	N	36.80	mg/kg	J	BN	1.00	mg/kg	J	BN	1.50	mg/kg	J	SN	7.20	mg/kg	J
Barium	B	93.50	mg/kg	-	*	70.80	mg/kg	J		393.00	mg/kg	-	*	918.00	mg/kg	J
Beryllium	B	1.40	mg/kg	U	UN	0.02	mg/kg	UJ	U	0.06	mg/kg	U	UN	0.02	mg/kg	UJ
Cadmium	U	5.90	mg/kg	U	U	0.10	mg/kg	U	U	0.59	mg/kg	U		232.00	mg/kg	-
Calcium		185000.00	mg/kg	-		360.00	mg/kg	-	B	400.00	mg/kg	-		4550.00	mg/kg	-
Chromium	B	13.20	mg/kg	-		2.60	mg/kg	-		5.50	mg/kg	-		1120.00	mg/kg	-
Cobalt	B	8.40	mg/kg	-	BN	0.47	mg/kg	-	U	0.67	mg/kg	U	N	38.50	mg/kg	-
Copper	B	30.90	mg/kg	U		2.70	mg/kg	-		9.60	mg/kg	-		102.00	mg/kg	-
Iron	*	9370.00	mg/kg	-		3410.00	mg/kg	-	*	2020.00	mg/kg	-		49500.00	mg/kg	-
Lead	N	19.30	mg/kg	J	*	12.10	mg/kg	J	N	34.70	mg/kg	J	*	48200.00	mg/kg	J
Magnesium		38700.00	mg/kg	-	B	130.00	mg/kg	-	B	181.00	mg/kg	-		8380.00	mg/kg	-
Manganese		395.00	mg/kg	-		26.90	mg/kg	-		15.60	mg/kg	-		255.00	mg/kg	-
Mercury		1.30	mg/kg	-	N	2.80	mg/kg	J		1.10	mg/kg	-	N	0.56	mg/kg	J
Molybdenum																
Nickel	U	25.70	mg/kg	U	BN	0.89	mg/kg	-	U	2.50	mg/kg	U	N	46.10	mg/kg	-
Potassium	U	6730.00	mg/kg	U		344.00	mg/kg	-	U	667.00	mg/kg	U		597.00	mg/kg	-
Selenium	BWN	0.51	mg/kg	UJ	U	0.21	mg/kg	U	BN	0.43	mg/kg	UJ		42.20	mg/kg	-
Silicon																
Silver	U	7.20	mg/kg	U	U	0.20	mg/kg	U	U	0.72	mg/kg	U		1.10	mg/kg	-
Sodium	B	564.00	mg/kg	U	B	125.00	mg/kg	-	B	88.60	mg/kg	-	B	184.00	mg/kg	-
Thallium	UN	0.32	mg/kg	UJ	UN	0.31	mg/kg	UJ	UN	0.32	mg/kg	UJ	UN	1.50	mg/kg	UJ
Vanadium	B	44.50	mg/kg	-	BE	2.30	mg/kg	-	B	2.90	mg/kg	U	E	10.50	mg/kg	-
Zinc	B*	28.10	mg/kg	U	E	3.80	mg/kg	-	B*	3.90	mg/kg	U	E	527.00	mg/kg	-

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Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	3K-003				3K-004				3K-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5840.00	mg/kg	-		6730.00	mg/kg	-		5700.00	mg/kg	-
Antimony	B	1.10	mg/kg	-	B	1.60	mg/kg	-	B	1.00	mg/kg	-
Arsenic	BW	5.70	mg/kg	J	B	4.90	mg/kg	-	BW	4.20	mg/kg	J
Barium		86.60	mg/kg	-		70.80	mg/kg	-		73.60	mg/kg	-
Beryllium	U	0.85	mg/kg	U	U	0.84	mg/kg	U	B	0.86	mg/kg	-
Cadmium	U	0.42	mg/kg	U	U	0.42	mg/kg	U		2.40	mg/kg	-
Calcium		201000.00	mg/kg	-		215000.00	mg/kg	-		195000.00	mg/kg	-
Chromium		424.00	mg/kg	-		280.00	mg/kg	-		25.60	mg/kg	-
Cobalt	B	4.70	mg/kg	-	U	2.50	mg/kg	U	B	4.20	mg/kg	-
Copper	N	10.40	mg/kg	-	N	8.70	mg/kg	-	N	28.00	mg/kg	-
Iron	•	7200.00	mg/kg	-	*	8060.00	mg/kg	-	•	25200.00	mg/kg	-
Lead	N*	53.70	mg/kg	-	N*	265.00	mg/kg	-		5.80	mg/kg	-
Magnesium		51000.00	mg/kg	-		47500.00	mg/kg	-		47500.00	mg/kg	-
Manganese		452.00	mg/kg	-		416.00	mg/kg	-		619.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel		14.10	mg/kg	U		13.10	mg/kg	U		17.10	mg/kg	U
Potassium		1400.00	mg/kg	-		1470.00	mg/kg	-		1260.00	mg/kg	-
Selenium	UEN	2.10	mg/kg	UJ	UN	2.10	mg/kg	UJ	UEN	2.10	mg/kg	UJ
Silicon												
Silver	UN	0.42	mg/kg	UJ	UN	0.42	mg/kg	UJ	BNS	1.70	mg/kg	UJ
Sodium		2090.00	mg/kg	-		1750.00	mg/kg	-	B	806.00	mg/kg	-
Thallium	BN	0.55	mg/kg	UJ	BN	0.69	mg/kg	UJ	BN	0.51	mg/kg	UJ
Vanadium		20.60	mg/kg	-		19.10	mg/kg	-		21.50	mg/kg	-
Zinc	•	197.00	mg/kg	-	•	115.00	mg/kg	-	*	20.40	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 3L - Electrical Power Center Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"				0-.5"							
Process Area:	1				1				1				1			
Sample:	3L-004				3L-005 DUP				3L-007				3L-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		3840.00	mg/kg	-		5200.00	mg/kg	-		2990.00	mg/kg	-	*	26700.00	mg/kg	-
Antimony	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	BNW	6.00	mg/kg	J
Arsenic	N	3.00	mg/kg	J	NS	5.60	mg/kg	-	NW	2.40	mg/kg	J	NS	14.50	mg/kg	J
Barium	*	46.70	mg/kg	J	*	52.60	mg/kg	J	B*	34.00	mg/kg	J		103.00	mg/kg	-
Beryllium	B	0.95	mg/kg	-	U	0.83	mg/kg	U	B	0.84	mg/kg	-	UN	0.82	mg/kg	UJ
Cadmium		1.80	mg/kg	U	U	0.41	mg/kg	U	B	0.42	mg/kg	U	*	3.90	mg/kg	-
Calcium		193000.00	mg/kg	-		213000.00	mg/kg	-		182000.00	mg/kg	-		8440.00	mg/kg	-
Chromium		27.20	mg/kg	-		25.20	mg/kg	-		4.60	mg/kg	-		115.00	mg/kg	-
Cobalt	B	3.00	mg/kg	-	B	3.20	mg/kg	-	U	2.40	mg/kg	U		69.30	mg/kg	-
Copper		9.00	mg/kg	-		9.40	mg/kg	-		6.10	mg/kg	U		419.00	mg/kg	-
Iron		5380.00	mg/kg	-		6950.00	mg/kg	-		4300.00	mg/kg	-	*	128000.00	mg/kg	J
Lead	W	10.50	mg/kg	J		21.50	mg/kg	-	+	3.90	mg/kg	J	*	367000.00	mg/kg	-
Magnesium		41000.00	mg/kg	-		38500.00	mg/kg	-		36000.00	mg/kg	-		1670.00	mg/kg	-
Manganese	N	302.00	mg/kg	J	N	322.00	mg/kg	J	N	178.00	mg/kg	J	*	737.00	mg/kg	J
Mercury		4.80	mg/kg	-		4.00	mg/kg	-	B	0.07	mg/kg	U		3.00	mg/kg	-
Molybdenum																
Nickel	B	5.40	mg/kg	-	B	6.20	mg/kg	-	B	5.30	mg/kg	-		99.40	mg/kg	-
Potassium		1110.00	mg/kg	-		1330.00	mg/kg	-	B	733.00	mg/kg	-	B	733.00	mg/kg	-
Selenium	UN	2.10	mg/kg	U	UN	2.10	mg/kg	U	UNW	2.00	mg/kg	UJ	UE	2.10	mg/kg	R
Silicon																
Silver	U	0.41	mg/kg	U	U	0.41	mg/kg	U	U	0.40	mg/kg	U	BW	0.97	mg/kg	J
Sodium	B	662.00	mg/kg	-	B	605.00	mg/kg	-	B	227.00	mg/kg	U	B	492.00	mg/kg	-
Thallium	UW	0.21	mg/kg	U	UW	0.21	mg/kg	U	UW	0.20	mg/kg	U	UW	0.21	mg/kg	UJ
Vanadium	B	8.50	mg/kg	-		14.60	mg/kg	-	B	6.10	mg/kg	-	B*	3.30	mg/kg	J
Zinc	N*	24.20	mg/kg	J	N*	21.50	mg/kg	J	N*	14.00	mg/kg	J		813.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS				TRANSITE				TRANSITE			
Depth:	0-.5"				0-.5"															
Process Area:	1				1				1				1				1			
Sample:	4A-003				4A-004 DUP				4A-007				4A-012(TCLP)				4A-013(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4310.00	mg/kg	-		4930.00	mg/kg	-		4980.00	mg/kg	-								
Antimony	JN	34.70	mg/kg	J	JN	41.10	mg/kg	J	URN	1.30	mg/kg	R								
Arsenic		6.40	mg/kg	J		4.70	mg/kg	J	*E	55.60	mg/kg	J	U	0.3800	mg/L	U	U	0.3800	mg/L	U
Barium	JN*	37.00	mg/kg	J	JN*	42.00	mg/kg	J	JN*	150.00	mg/kg	J		0.3120	mg/L	-		0.3170	mg/L	-
Beryllium	U	0.02	mg/kg	U	U	0.02	mg/kg	U	U	0.03	mg/kg	U								
Cadmium	JEN	3.90	mg/kg	J	JEN	3.70	mg/kg	J	JEN	24.90	mg/kg	J	U	0.0200	mg/L	U	U	0.0200	mg/L	U
Calcium	E	159000.00	mg/kg	J	E	186000.00	mg/kg	J	E	22700.00	mg/kg	J								
Chromium		21.00	mg/kg	-		19.70	mg/kg	-		7150.00	mg/kg	-	U	0.0900	mg/L	U		0.0920	mg/L	-
Cobalt	E	2.70	mg/kg	J	E	3.20	mg/kg	J	E	95.80	mg/kg	J								
Copper		25.80	mg/kg	-		29.80	mg/kg	-		123.00	mg/kg	-								
Iron		14600.00	mg/kg	-		16600.00	mg/kg	-		69100.00	mg/kg	-								
Lead	E	1680.00	mg/kg	J	E	1440.00	mg/kg	J	E	7530.00	mg/kg	J	U	0.1400	mg/L	U		0.1890	mg/L	-
Magnesium		25700.00	mg/kg	-		33100.00	mg/kg	-		1110.00	mg/kg	-								
Manganese	E	239.00	mg/kg	J	E	261.00	mg/kg	J	E	362.00	mg/kg	J								
Mercury	BJN	0.03	mg/kg	J	BJN	0.04	mg/kg	J	JN	0.64	mg/kg	J		0.0004	mg/L	J	U	0.0003	mg/L	UJ
Molybdenum																				
Nickel	E	32.10	mg/kg	J	E	26.60	mg/kg	J	E	29.00	mg/kg	J								
Potassium		1430.00	mg/kg	-		1870.00	mg/kg	-		3730.00	mg/kg	-								
Selenium	U+N	0.24	mg/kg	R	BN	1.40	mg/kg	J	JN*	21.10	mg/kg	R	U	0.2600	mg/L	U	U	0.2600	mg/L	U
Silicon																				
Silver	JN	0.25	mg/kg	J	JN	0.38	mg/kg	J	UJN	0.13	mg/kg	UJ	U	0.0500	mg/L	U	U	0.0500	mg/L	U
Sodium		957.00	mg/kg	-		1230.00	mg/kg	-		1880.00	mg/kg	-								
Thallium	UJW	0.15	mg/kg	UJ	UJW	0.15	mg/kg	UJ	U	1.40	mg/kg	U								
Vanadium		8.60	mg/kg	-		9.90	mg/kg	-		8.50	mg/kg	-								
Zinc		30.60	mg/kg	-		38.10	mg/kg	-		29400.00	mg/kg	-								

28600

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-6"				0-.5"							
Process Area:	2				2				2				2				2			
Sample:	4A-017				4A-018				4A-019				4A-020 DUP				4A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5630.00	mg/kg	-		4770.00	mg/kg	-		4620.00	mg/kg	-		5330.00	mg/kg	-		5560.00	mg/kg	J
Antimony	UN	1.20	mg/kg	R	UN	1.30	mg/kg	R	U	1.30	mg/kg	R	U	1.20	mg/kg	R	URN	1.10	mg/kg	R
Arsenic		15.70	mg/kg	-		8.60	mg/kg	-		11.30	mg/kg	-		15.50	mg/kg	-	*E	91.20	mg/kg	J
Barium	N*	72.60	mg/kg	J	N*	54.10	mg/kg	J	N*	44.30	mg/kg	J	JN*	71.80	mg/kg	J	JN*	324.00	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.02	mg/kg	U	U	0.02	mg/kg	U
Cadmium	E	1.10	mg/kg	J	E	0.84	mg/kg	J	E	0.98	mg/kg	J	E	1.00	mg/kg	J	JEN	24.30	mg/kg	J
Calcium	E*	181000.00	mg/kg	J	E*	174000.00	mg/kg	J	E*	185000.00	mg/kg	J	E*	183000.00	mg/kg	J	E	34500.00	mg/kg	J
Chromium	E	89.80	mg/kg	-	E	47.90	mg/kg	-	E	7.50	mg/kg	-	E	66.60	mg/kg	-		6460.00	mg/kg	-
Cobalt		3.80	mg/kg	-		2.90	mg/kg	-		2.40	mg/kg	-		3.60	mg/kg	-	E	34.50	mg/kg	J
Copper	*	51.20	mg/kg	-	*	32.80	mg/kg	-	*	10.90	mg/kg	-	*	55.80	mg/kg	-		290.00	mg/kg	J
Iron	*	22200.00	mg/kg	-	*	15900.00	mg/kg	-	*	13800.00	mg/kg	-	*	23200.00	mg/kg	-		106000.00	mg/kg	-
Lead	E*	28.40	mg/kg	J	E*	21.00	mg/kg	J	E*	4.90	mg/kg	J	E*	22.80	mg/kg	J	E	7690.00	mg/kg	J
Magnesium		30600.00	mg/kg	-		34500.00	mg/kg	-		29800.00	mg/kg	-		30300.00	mg/kg	-		3360.00	mg/kg	J
Manganese	*	296.00	mg/kg	-	*	277.00	mg/kg	-	*	267.00	mg/kg	-	*	330.00	mg/kg	-	E	686.00	mg/kg	J
Mercury		0.14	mg/kg	-		0.11	mg/kg	-	U	0.03	mg/kg	U	B	0.04	mg/kg	-	JN	32.60	mg/kg	J
Molybdenum																				
Nickel	EN*	47.90	mg/kg	J	EN*	24.70	mg/kg	J	EN*	5.80	mg/kg	J	JEN	42.80	mg/kg	J	E	93.00	mg/kg	J
Potassium		3010.00	mg/kg	-		1740.00	mg/kg	-		751.00	mg/kg	-		3220.00	mg/kg	-		5630.00	mg/kg	J
Selenium	*	7.70	mg/kg	-	*	3.70	mg/kg	-	*	5.90	mg/kg	-	*	6.00	mg/kg	-	JN*	26.00	mg/kg	R
Silicon																				
Silver	JN*	0.52	mg/kg	J	BN*	0.22	mg/kg	J	N*	0.91	mg/kg	J	JN*	0.28	mg/kg	J	JN	7.50	mg/kg	J
Sodium		1880.00	mg/kg	-		1050.00	mg/kg	-		512.00	mg/kg	-		1970.00	mg/kg	-		2850.00	mg/kg	-
Thallium	U	0.15	mg/kg	U	UW	0.15	mg/kg	UJ	U	0.76	mg/kg	U	U	0.15	mg/kg	U	UW	1.50	mg/kg	UJ
Vanadium	*	9.60	mg/kg	-	*	8.40	mg/kg	-	*	6.90	mg/kg	-	*	9.50	mg/kg	-		5.70	mg/kg	-
Zinc	E	45.30	mg/kg	J	E	25.90	mg/kg	J	E	10.80	mg/kg	J	E	37.40	mg/kg	J		11700.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:					0-.5"				.5-1"				1-6"							
Process Area:	2				3				3				3				3			
Sample:	4A-025 DUP				4A-028				4A-029				4A-030				4A-032			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3210.00	mg/kg	J		6580.00	mg/kg	-		6640.00	mg/kg	-		7290.00	mg/kg	-		10900.00	mg/kg	-
Antimony	URN	1.10	mg/kg	R	U	1.30	mg/kg	R	U	1.30	mg/kg	R	UN	1.30	mg/kg	R	JN	5.80	mg/kg	J
Arsenic	*E	55.70	mg/kg	J		34.10	mg/kg	-		9.00	mg/kg	-	SN	9.00	mg/kg	J	*E	227.00	mg/kg	J
Barium	JN*	31.00	mg/kg	J	N*	61.30	mg/kg	J	N*	48.00	mg/kg	J	JN*	54.10	mg/kg	J	JN*	32.10	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	-	U	0.03	mg/kg	U	U	0.03	mg/kg	U
Cadmium	JEN	22.10	mg/kg	J	E	3.60	mg/kg	J	E	2.10	mg/kg	J	E	3.70	mg/kg	J	JEN	5.50	mg/kg	J
Calcium	E	16300.00	mg/kg	J	E*	100000.00	mg/kg	J		155000.00	mg/kg	J	E*	188000.00	mg/kg	J	E	6420.00	mg/kg	J
Chromium		9070.00	mg/kg	-	E	12.50	mg/kg	-	E	8.00	mg/kg	-	E	10.40	mg/kg	-		484.00	mg/kg	-
Cobalt	E	39.30	mg/kg	J		2.40	mg/kg	-		2.60	mg/kg	-		3.20	mg/kg	-	E	22.10	mg/kg	J
Copper		196.00	mg/kg	J	*	68.40	mg/kg	-	*	17.30	mg/kg	-	*	15.90	mg/kg	-		339.00	mg/kg	-
Iron		75300.00	mg/kg	-	*	6180.00	mg/kg	-	*	6450.00	mg/kg	-	*	10100.00	mg/kg	-		272000.00	mg/kg	-
Lead	E	3920.00	mg/kg	J	E*	39.40	mg/kg	J	E*	5.70	mg/kg	UJ	WN	6.50	mg/kg	UJ	E	1900.00	mg/kg	J
Magnesium		1330.00	mg/kg	J		19600.00	mg/kg	-		34900.00	mg/kg	-		37900.00	mg/kg	-		966.00	mg/kg	-
Manganese	E	486.00	mg/kg	J	*	84.70	mg/kg	-	*	153.00	mg/kg	-	*	211.00	mg/kg	-	E	1140.00	mg/kg	J
Mercury	JN	3.90	mg/kg	J		0.88	mg/kg	-		0.14	mg/kg	-		0.09	mg/kg	-	JN	0.52	mg/kg	J
Molybdenum																				
Nickel	E	64.40	mg/kg	J	EN*	43.30	mg/kg	J	EN*	22.00	mg/kg	J	JEN	6.80	mg/kg	J	E	675.00	mg/kg	J
Potassium		9730.00	mg/kg	J		15700.00	mg/kg	-		6740.00	mg/kg	-		5650.00	mg/kg	-		24600.00	mg/kg	-
Selenium	JN*	10.90	mg/kg	R	UWN	0.54	mg/kg	R	*	2.50	mg/kg	-	UWN	0.52	mg/kg	R	JN*	77.50	mg/kg	J
Silicon																				
Silver	JN	1.80	mg/kg	J	N*	10.60	mg/kg	J	N*	4.80	mg/kg	J	JN*	10.00	mg/kg	J	JN	1.00	mg/kg	J
Sodium		2080.00	mg/kg	-		2580.00	mg/kg	-		1260.00	mg/kg	-		804.00	mg/kg	-		7080.00	mg/kg	-
Thallium	UJW	1.50	mg/kg	UJ	U	0.16	mg/kg	U	U	1.60	mg/kg	U	U	1.60	mg/kg	U	UJW	1.40	mg/kg	UJ
Vanadium		6.30	mg/kg	-	*	30.20	mg/kg	-	*	10.80	mg/kg	-	*	10.70	mg/kg	-	U	0.34	mg/kg	-
Zinc		14600.00	mg/kg	-	E	24.70	mg/kg	J	E	13.30	mg/kg	J	E	16.40	mg/kg	J		4060.00	mg/kg	-

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 4C - Plant 4 Maintenance Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	4C-003				4C-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4850.00	mg/kg	-		1190.00	mg/kg	-
Antimony	B	9.50	mg/kg	U	U	27.00	mg/kg	U
Arsenic	N	3.30	mg/kg	-		29.80	mg/kg	-
Barium		44.30	mg/kg	-	•	188.00	mg/kg	-
Beryllium	B	0.50	mg/kg	U	B	0.28	mg/kg	U
Cadmium	U	0.57	mg/kg	UJ		1.20	mg/kg	-
Calcium		198000.00	mg/kg	-	*	19400.00	mg/kg	J
Chromium		8.40	mg/kg	-	•	451.00	mg/kg	J
Cobalt	B	3.20	mg/kg	-		110.00	mg/kg	-
Copper		16.20	mg/kg	-	•	92.00	mg/kg	J
Iron		8410.00	mg/kg	-	•	144000.00	mg/kg	J
Lead		2.90	mg/kg	-		3450.00	mg/kg	-
Magnesium		50900.00	mg/kg	-		8840.00	mg/kg	-
Manganese		360.00	mg/kg	-	•	5560.00	mg/kg	J
Mercury		0.10	mg/kg	U		0.13	mg/kg	U
Molybdenum								
Nickel	B	7.10	mg/kg	-	•	45.10	mg/kg	-
Potassium		1070.00	mg/kg	-	U	644.00	mg/kg	U
Selenium	UN	3.70	mg/kg	U	UN	3.70	mg/kg	U
Silicon								
Silver	U	0.70	mg/kg	U	U	3.50	mg/kg	U
Sodium	B	540.00	mg/kg	-	B	205.00	mg/kg	-
Thallium	U	0.14	mg/kg	U	U	1.40	mg/kg	U
Vanadium	B	6.70	mg/kg	-	B	15.60	mg/kg	-
Zinc	N	57.30	mg/kg	J	*	842.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"												0-.5"				0-.5"			
Process Area:	1				1				1				2				2			
Sample:	5A-003A				5A-004A				5A-007(TCLP)				5A-009				5A-010 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	•	4860.00	mg/kg	-	E	68600.00	mg/kg	J						5960.00	mg/kg	-		5140.00	mg/kg	-
Antimony	BN	1.10	mg/kg	J	N	21.20	mg/kg	J					BNW	1.10	mg/kg	J	UNW	0.83	mg/kg	UJ
Arsenic	BW*	5.60	mg/kg	J	UN	4.10	mg/kg	U	U	0.0050	mg/L	U	+	4.50	mg/kg	-		2.70	mg/kg	-
Barium	N	80.40	mg/kg	J	E	420.00	mg/kg	J		0.4100	mg/L	-	N*	52.30	mg/kg	J	N*	52.00	mg/kg	J
Beryllium	UN	0.92	mg/kg	UJ	U	0.82	mg/kg	U						2.80	mg/kg	R		3.10	mg/kg	R
Cadmium	UN*	1.10	mg/kg	UJ		2.70	mg/kg	-	U	0.0200	mg/L	U		1.90	mg/kg	-		1.60	mg/kg	-
Calcium	•	212000.00	mg/kg	J	•	10100.00	mg/kg	-						214000.00	mg/kg	-		214000.00	mg/kg	-
Chromium	*N	41.80	mg/kg	J	N	116.00	mg/kg	J	U	0.0300	mg/L	U		17.30	mg/kg	-		26.80	mg/kg	-
Cobalt	BN	5.10	mg/kg	UJ		100.00	mg/kg	-					B	4.80	mg/kg	U	B	5.00	mg/kg	U
Copper	*N	84.20	mg/kg	J	E	154.00	mg/kg	J					•	19.60	mg/kg	J	*	38.90	mg/kg	J
Iron	E	25300.00	mg/kg	J	E	26900.00	mg/kg	J					E	15200.00	mg/kg	J	E	16800.00	mg/kg	J
Lead	*N	80.50	mg/kg	J		229000.00	mg/kg	-	U	0.3900	mg/L	U		18.40	mg/kg	-	W	17.10	mg/kg	J
Magnesium	*	38700.00	mg/kg	J	E*	5740.00	mg/kg	J					•	53800.00	mg/kg	-	•	46100.00	mg/kg	-
Manganese	•	600.00	mg/kg	-	*	444.00	mg/kg	-						375.00	mg/kg	-		453.00	mg/kg	-
Mercury		0.24	mg/kg	U		0.88	mg/kg	-	U	0.0005	mg/L	U		0.13	mg/kg	U	B	0.09	mg/kg	U
Molybdenum																				
Nickel	N*	38.90	mg/kg	UJ		32.70	mg/kg	-						14.40	mg/kg	-		37.30	mg/kg	-
Potassium	B	1030.00	mg/kg	-		1950.00	mg/kg	-					B	935.00	mg/kg	-	B	848.00	mg/kg	-
Selenium	UNW	1.10	mg/kg	R	BNW	2.10	mg/kg	J	U	0.0500	mg/L	R	UNW	1.00	mg/kg	UJ	UNW	1.00	mg/kg	UJ
Silicon																				
Silver	BW	0.50	mg/kg	J	BW	1.30	mg/kg	J	U	0.0350	mg/L	R	UN	0.21	mg/kg	R	UN	0.21	mg/kg	R
Sodium	BN	506.00	mg/kg	J		1310.00	mg/kg	-					B	478.00	mg/kg	-	B	383.00	mg/kg	-
Thallium	UWN	0.23	mg/kg	UJ	UEN	1.00	mg/kg	R					UNW	0.21	mg/kg	UJ	UNW	0.21	mg/kg	UJ
Vanadium	N	63.80	mg/kg	J	•	80.70	mg/kg	-					N*	21.40	mg/kg	J	N*	24.20	mg/kg	J
Zinc		103.00	mg/kg	-	N	223.00	mg/kg	J					*	61.20	mg/kg	J	*	85.40	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:					0-.5"				.5-1"				1-4"							
Process Area:	2				3				3				3				1			
Sample:	5A-012A				5A-017				5A-018				5A-019				5A-021A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	16300.00	mg/kg	J	E	4200.00	mg/kg	J	E	3640.00	mg/kg	J	E	4140.00	mg/kg	J	*	24200.00	mg/kg	-
Antimony	N*	393.00	mg/kg	-	U	9.60	mg/kg	U	U	9.50	mg/kg	U	U	10.00	mg/kg	U	B	4.80	mg/kg	-
Arsenic	NS	2.80	mg/kg	J		3.20	mg/kg	-		2.90	mg/kg	-		2.90	mg/kg	-	UNW	2.00	mg/kg	UJ
Barium	*E	133.00	mg/kg	J	B	41.00	mg/kg	-	B	34.40	mg/kg	-	B	39.80	mg/kg	-		2670.00	mg/kg	-
Beryllium	B	0.88	mg/kg	-	B	0.35	mg/kg	-	B	0.23	mg/kg	-	U	0.22	mg/kg	U	U	0.81	mg/kg	U
Cadmium	N	12.50	mg/kg	J	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.10	mg/kg	UJ		15.40	mg/kg	-
Calcium	E	29300.00	mg/kg	J	E	171000.00	mg/kg	J	E	176000.00	mg/kg	J	E	187000.00	mg/kg	J	BE	24200.00	mg/kg	J
Chromium	*E	17300.00	mg/kg	J		8.00	mg/kg	-		13.10	mg/kg	-		7.60	mg/kg	U		378.00	mg/kg	-
Cobalt	NE	174.00	mg/kg	J	B	2.60	mg/kg	U	B	2.60	mg/kg	U	B	3.20	mg/kg	U		90.90	mg/kg	-
Copper		26.10	mg/kg	-		12.60	mg/kg	-		7.50	mg/kg	-		12.20	mg/kg	-	E	308.00	mg/kg	J
Iron	E	5680.00	mg/kg	J	E	8100.00	mg/kg	J	E	7250.00	mg/kg	J	E	6710.00	mg/kg	J		18800.00	mg/kg	-
Lead	*	93300.00	mg/kg	-	*	13.70	mg/kg	-	S*	3.00	mg/kg	-	S*	4.30	mg/kg	-	*	159000.00	mg/kg	-
Magnesium	E	1500.00	mg/kg	J	E	40900.00	mg/kg	J	E	33600.00	mg/kg	J	E	51900.00	mg/kg	J	E	3190.00	mg/kg	J
Manganese	NE	154.00	mg/kg	J	E	316.00	mg/kg	J	E	395.00	mg/kg	J	E	334.00	mg/kg	J	N	728.00	mg/kg	J
Mercury	*	12.20	mg/kg	-	B	0.06	mg/kg	U	U	0.03	mg/kg	U	U	0.05	mg/kg	U		31.10	mg/kg	-
Molybdenum																				
Nickel	B	4.30	mg/kg	-	B	6.80	mg/kg	U	B	6.30	mg/kg	U	B	5.70	mg/kg	U		38.70	mg/kg	-
Potassium	B	344.00	mg/kg	-	B	526.00	mg/kg	-	B	432.00	mg/kg	-	B	514.00	mg/kg	-	B	651.00	mg/kg	-
Selenium	UWN	4.00	mg/kg	R	UNW	4.20	mg/kg	R	UNW	4.10	mg/kg	R	UN	4.30	mg/kg	R	UNE	1.00	mg/kg	R
Silicon																				
Silver	U	9.10	mg/kg	-	B	1.70	mg/kg	-	U	1.44	mg/kg	U		4.00	mg/kg	-	B	1.10	mg/kg	-
Sodium	BE	900.00	mg/kg	J	B	418.00	mg/kg	-	B	354.00	mg/kg	-	B	347.00	mg/kg	-		1400.00	mg/kg	J
Thallium	UN	0.40	mg/kg	UJ	UNW	0.42	mg/kg	UJ	UNW	0.41	mg/kg	UJ	UNW	0.43	mg/kg	UJ	UN	0.20	mg/kg	UJ
Vanadium	UN	24.00	mg/kg	R	U	0.62	mg/kg	U	U	0.62	mg/kg	U	B	7.90	mg/kg	U	N*	26.60	mg/kg	-
Zinc	E	10400.00	mg/kg	J		29.00	mg/kg	-		20.10	mg/kg	-		16.50	mg/kg	-	*	14700.00	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"								0-.5"			
Process Area:	4				4				5				5				5			
Sample:	5A-022				5A-023A				5A-025				5A-026A				5A-027(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4940.00	mg/kg	-	E	20900.00	mg/kg	J	B*	3480.00	mg/kg	-		28100.00	mg/kg	-		0.9850	mg/L	-
Antimony	BN	0.96	mg/kg	J	BN	2.30	mg/kg	J	BN	0.83	mg/kg	J	BN	5.60	mg/kg	J	BW	0.0167	mg/L	J
Arsenic		3.70	mg/kg	-	UN	2.00	mg/kg	U	N*	4.00	mg/kg	J		5.10	mg/kg	-	UEN	0.0020	mg/L	UJ
Barium		43.70	mg/kg	-	E	309.00	mg/kg	J	N	62.70	mg/kg	J		539.00	mg/kg	-		0.3730	mg/L	U
Beryllium		1.20	mg/kg	-	U	0.82	mg/kg	U	BN	0.86	mg/kg	J	U	0.81	mg/kg	U		0.0229	mg/L	-
Cadmium		2.50	mg/kg	-		33.60	mg/kg	-	•	3.10	mg/kg	J		2.10	mg/kg	-	N	0.0098	mg/L	J
Calcium		162000.00	mg/kg	-	*	28100.00	mg/kg	-	•	201000.00	mg/kg	J		41000.00	mg/kg	-		1570.0000	mg/L	-
Chromium	N*	10.30	mg/kg	J	N	53.50	mg/kg	J	*	18.60	mg/kg	J	N*	118.00	mg/kg	J	U	0.0060	mg/L	-
Cobalt	B	2.70	mg/kg	U		61.80	mg/kg	-	U	1.40	mg/kg	UJ		103.00	mg/kg	-	U	0.0070	mg/L	-
Copper	N	13.50	mg/kg	J	E	76.70	mg/kg	J	*	30.80	mg/kg	J	N	155.00	mg/kg	J	B	0.0092	mg/L	U
Iron		10900.00	mg/kg	-	E	22700.00	mg/kg	J	E	11400.00	mg/kg	J		8970.00	mg/kg	-	B	0.0560	mg/L	U
Lead	NW*	14.10	mg/kg	UJ		136000.00	mg/kg	-	S*	37.80	mg/kg	J	•	101000.00	mg/kg	-	UW	0.0010	mg/L	-
Magnesium	E	28800.00	mg/kg	J	E*	1470.00	mg/kg	J	•	42000.00	mg/kg	J	E	1890.00	mg/kg	J		17.4000	mg/L	-
Manganese	N	309.00	mg/kg	J	•	296.00	mg/kg	-	N*	341.00	mg/kg	-	N	391.00	mg/kg	J	B	0.0096	mg/L	U
Mercury	B	0.06	mg/kg	U		24.70	mg/kg	-		0.10	mg/kg	U		11.90	mg/kg	-	BN	0.0001	mg/L	UJ
Molybdenum																				
Nickel	N	10.10	mg/kg	U		22.30	mg/kg	-	N*	21.10	mg/kg	UJ	N	25.20	mg/kg	J	U	0.0110	mg/L	-
Potassium		2630.00	mg/kg	-	B	744.00	mg/kg	-		2280.00	mg/kg	-	B	868.00	mg/kg	-		12.0000	mg/L	-
Selenium	UNW	2.00	mg/kg	R	UN	2.00	mg/kg	R	UNW	1.00	mg/kg	R	UN	2.00	mg/kg	R	UEN	0.0050	mg/L	R
Silicon																				
Silver	U	0.20	mg/kg	U	BW	1.20	mg/kg	J	U	0.20	mg/kg	U	B	0.79	mg/kg	-	UW	0.0010	mg/L	UJ
Sodium		1210.00	mg/kg	-		1640.00	mg/kg	-		1240.00	mg/kg	J		1260.00	mg/kg	-		11.1000	mg/L	R
Thallium	U	0.20	mg/kg	U	UNW	1.00	mg/kg	R	UW	0.20	mg/kg	UJ	U	0.20	mg/kg	U	BW	0.0017	mg/L	J
Vanadium		19.30	mg/kg	-	*	16.10	mg/kg	-	N	38.00	mg/kg	J		49.60	mg/kg	-		0.0624	mg/L	U
Zinc		27.20	mg/kg	-	N	25900.00	mg/kg	J		56.20	mg/kg	-		17200.00	mg/kg	-		0.1020	mg/L	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-4"			
Process Area:	6				6				7				7				7			
Sample:	5A-029				5A-030A				5A-034				5A-035				5A-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	B*	3620.00	mg/kg	-	E	27000.00	mg/kg	J	E	5030.00	mg/kg	J	E	4710.00	mg/kg	J	E	4490.00	mg/kg	J
Antimony	BN	1.10	mg/kg	J	*N	12.80	mg/kg	-	UN	0.81	mg/kg	UJ	UN	0.82	mg/kg	UJ	UN	0.82	mg/kg	UJ
Arsenic	N*+	2.60	mg/kg	J	NS	6.30	mg/kg	J	NS	3.30	mg/kg	J	N	3.50	mg/kg	J	N	4.10	mg/kg	J
Barium	N	50.00	mg/kg	J	*E	5300.00	mg/kg	J	E	49.20	mg/kg	J	E	49.00	mg/kg	J	E	42.20	mg/kg	J
Beryllium	N	1.10	mg/kg	J	B	0.28	mg/kg	-		1.10	mg/kg	-		1.40	mg/kg	-		1.60	mg/kg	-
Cadmium	*	1.70	mg/kg	J	N	35.60	mg/kg	J		2.50	mg/kg	-		1.40	mg/kg	-	U	1.00	mg/kg	U
Calcium	*	273000.00	mg/kg	J	E	7950.00	mg/kg	J	*	218000.00	mg/kg	-	*	216000.00	mg/kg	-	*	167000.00	mg/kg	-
Chromium	*	20.30	mg/kg	J	*E	165.00	mg/kg	J	N	17.20	mg/kg	J	N	10.20	mg/kg	J	N	9.60	mg/kg	UJ
Cobalt	U	1.60	mg/kg	UJ	NE	87.80	mg/kg	J	B	2.80	mg/kg	U	B	1.50	mg/kg	U	U	1.40	mg/kg	U
Copper	*	47.10	mg/kg	J		221.00	mg/kg	-	E	22.90	mg/kg	J	E	6.90	mg/kg	UJ	E	5.60	mg/kg	UJ
Iron	E	17800.00	mg/kg	J	E	56000.00	mg/kg	J	E	11800.00	mg/kg	J	E	17100.00	mg/kg	J	E	6410.00	mg/kg	J
Lead	*	1030.00	mg/kg	J	*	274000.00	mg/kg	-		1210.00	mg/kg	-		69.10	mg/kg	-		38.80	mg/kg	-
Magnesium	*	46600.00	mg/kg	J	E	2980.00	mg/kg	J	E*	40000.00	mg/kg	J	E*	45300.00	mg/kg	J	E*	50000.00	mg/kg	J
Manganese	N*	443.00	mg/kg	-	NE	843.00	mg/kg	J	*	441.00	mg/kg	-	*	477.00	mg/kg	-	*	294.00	mg/kg	-
Mercury		0.15	mg/kg	U	*	1.40	mg/kg	-	B	0.06	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel	N*	34.20	mg/kg	UJ		42.00	mg/kg	-		10.80	mg/kg	-	B	4.50	mg/kg	-	B	3.50	mg/kg	-
Potassium	B	780.00	mg/kg	-	B	762.00	mg/kg	-	B	800.00	mg/kg	-	B	767.00	mg/kg	-	B	795.00	mg/kg	-
Selenium	UNW	1.10	mg/kg	R	UNE	4.00	mg/kg	R	UN	2.00	mg/kg	R	UNW	2.00	mg/kg	R	UNW	2.00	mg/kg	R
Silicon																				
Silver	BW	0.65	mg/kg	J		3.70	mg/kg	-	S	3.50	mg/kg	-	BW	1.50	mg/kg	J	BW	1.50	mg/kg	J
Sodium	B	815.00	mg/kg	J	E	1670.00	mg/kg	J	B	376.00	mg/kg	-	B	312.00	mg/kg	-	B	358.00	mg/kg	-
Thallium	UW	0.22	mg/kg	UJ	UNW	0.40	mg/kg	UJ	UNW	0.20	mg/kg	R	UNW	0.20	mg/kg	R	UNW	0.20	mg/kg	R
Vanadium	N	34.90	mg/kg	J	UN	6.00	mg/kg	R	*	18.60	mg/kg	-	*	27.70	mg/kg	-	*	19.60	mg/kg	-
Zinc		62.70	mg/kg	-	E	981.00	mg/kg	J	N	46.70	mg/kg	J	N	26.60	mg/kg	J	N	33.70	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"								0-.5"			
Process Area:	8				8				9				7				10			
Sample:	5A-038				5A-039A				5A-041				5A-043A				5A-044			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	*	5570.00	mg/kg	-		11400.00	mg/kg	-	E	5340.00	mg/kg	J	B*	3800.00	mg/kg	-	E	4930.00	mg/kg	J
Antimony	BN	1.40	mg/kg	J	BNW	3.50	mg/kg	J	UN	0.82	mg/kg	UJ	B	3.80	mg/kg	-	UN	0.83	mg/kg	UJ
Arsenic	N*	4.50	mg/kg	J	UW	0.81	mg/kg	UJ	N	3.70	mg/kg	J	BN	1.90	mg/kg	J	N	3.40	mg/kg	J
Barium	N	73.10	mg/kg	J	N*	6470.00	mg/kg	J	E	43.20	mg/kg	J		1480.00	mg/kg	-	E	52.80	mg/kg	J
Beryllium	UN	0.81	mg/kg	UJ	U	0.81	mg/kg	U		1.40	mg/kg	-	U	0.81	mg/kg	U		1.40	mg/kg	-
Cadmium	U*	1.00	mg/kg	UJ		17.20	mg/kg	-	U	1.00	mg/kg	U		6.00	mg/kg	-	U	1.00	mg/kg	U
Calcium	•	223000.00	mg/kg	J		14000.00	mg/kg	-	*	182000.00	mg/kg	-	BE	42300.00	mg/kg	J	•	188000.00	mg/kg	-
Chromium	•	28.40	mg/kg	J		1460.00	mg/kg	-	N	54.50	mg/kg	J		4240.00	mg/kg	-	N	17.70	mg/kg	J
Cobalt	B	5.60	mg/kg	UJ		113.00	mg/kg	-	B	4.20	mg/kg	U		255.00	mg/kg	-	B	3.60	mg/kg	U
Copper	•	57.30	mg/kg	J	*	81.10	mg/kg	J	E	71.20	mg/kg	J	E	34.70	mg/kg	J	E	11.20	mg/kg	J
Iron	E	29100.00	mg/kg	J	E	15700.00	mg/kg	J	E	12300.00	mg/kg	J		7270.00	mg/kg	-	E	8020.00	mg/kg	J
Lead	S*	19.90	mg/kg	J	•	79200.00	mg/kg	J		81.10	mg/kg	-	•	72600.00	mg/kg	-		119.00	mg/kg	-
Magnesium	•	47900.00	mg/kg	J	*	5300.00	mg/kg	-	E*	46600.00	mg/kg	J	E	1680.00	mg/kg	J	E*	19500.00	mg/kg	J
Manganese	N*	613.00	mg/kg	-		454.00	mg/kg	-	•	409.00	mg/kg	-	N	256.00	mg/kg	J	•	510.00	mg/kg	-
Mercury		0.20	mg/kg	U		15.50	mg/kg	-		0.18	mg/kg	U		17.30	mg/kg	-	B	0.07	mg/kg	U
Molybdenum																				
Nickel	N*	25.70	mg/kg	UJ		215.00	mg/kg	-		25.20	mg/kg	-		15.60	mg/kg	U	B	7.90	mg/kg	-
Potassium		1570.00	mg/kg	-	B	993.00	mg/kg	-	B	1000.00	mg/kg	-	B	755.00	mg/kg	-	B	563.00	mg/kg	-
Selenium	UNW	1.00	mg/kg	R	UEN	1.00	mg/kg	R	UNW	2.00	mg/kg	R	UNE	1.00	mg/kg	R	BN	2.30	mg/kg	J
Silicon																				
Silver	U	0.20	mg/kg	U	UN	0.20	mg/kg	R	U	0.20	mg/kg	U	U	0.20	mg/kg	U	W	2.30	mg/kg	J
Sodium	B	879.00	mg/kg	J		2170.00	mg/kg	-	B	638.00	mg/kg	-		1180.00	mg/kg	J	B	235.00	mg/kg	-
Thallium	UW	0.20	mg/kg	UJ	UNW	0.20	mg/kg	UJ	UNW	0.20	mg/kg	R	UWN	0.20	mg/kg	UJ	UNW	0.21	mg/kg	R
Vanadium	N	39.70	mg/kg	J	N*	14.50	mg/kg	J	*	79.30	mg/kg	-	N*	25.90	mg/kg	-	*	20.80	mg/kg	-
Zinc		42.60	mg/kg	-	*	15800.00	mg/kg	J	N	56.60	mg/kg	J	•	1890.00	mg/kg	J	N	67.60	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:	.5-1"				1-4"								0-.5"							
Process Area:	10				10				10				11				11			
Sample:	5A-045				5A-046				5A-047A				5A-052				5A-053			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	5180.00	mg/kg	J	E	6630.00	mg/kg	J	E	58300.00	mg/kg	J	*	4320.00	mg/kg	-	*	31600.00	mg/kg	-
Antimony	UN	0.83	mg/kg	UJ	UN	0.83	mg/kg	UJ	*N	40.20	mg/kg	-	UN	0.81	mg/kg	UJ	B	4.20	mg/kg	-
Arsenic	NS	4.60	mg/kg	J	N	3.40	mg/kg	J	N	7.00	mg/kg	J	N*+	3.40	mg/kg	J	BN	2.10	mg/kg	J
Barium	E	63.40	mg/kg	J	E	66.30	mg/kg	J	*E	9270.00	mg/kg	J	N	62.20	mg/kg	J		1540.00	mg/kg	-
Beryllium	B	1.00	mg/kg	-		1.30	mg/kg	-	B	0.70	mg/kg	-	BN	0.86	mg/kg	J	U	0.81	mg/kg	U
Cadmium		2.30	mg/kg	-		1.10	mg/kg	-	N	17.10	mg/kg	J	•	1.20	mg/kg	J		3.20	mg/kg	-
Calcium	*	157000.00	mg/kg	-	*	226000.00	mg/kg	-	E	14500.00	mg/kg	J	•	200000.00	mg/kg	J	BE	37500.00	mg/kg	J
Chromium	N	22.90	mg/kg	J	N	14.20	mg/kg	J	*E	636.00	mg/kg	J	•	41.90	mg/kg	J		288.00	mg/kg	-
Cobalt	B	2.40	mg/kg	U	B	3.00	mg/kg	U	NE	99.10	mg/kg	J	B	4.20	mg/kg	UJ		79.70	mg/kg	-
Copper	E	21.00	mg/kg	J	E	12.10	mg/kg	J		228.00	mg/kg	-	•	72.60	mg/kg	J	E	125.00	mg/kg	J
Iron	E	6710.00	mg/kg	J	E	8810.00	mg/kg	J	E	63200.00	mg/kg	J	E	33400.00	mg/kg	J		15300.00	mg/kg	-
Lead		56.50	mg/kg	-		33.80	mg/kg	J	•	202000.00	mg/kg	-	W*	9.30	mg/kg	UJ	•	375000.00	mg/kg	-
Magnesium	E*	42800.00	mg/kg	J	E*	34200.00	mg/kg	J	E	8620.00	mg/kg	J	•	42800.00	mg/kg	J	E	1720.00	mg/kg	J
Manganese	•	371.00	mg/kg	-	*	419.00	mg/kg	-	NE	811.00	mg/kg	J	N*	675.00	mg/kg	-	N	292.00	mg/kg	J
Mercury		0.17	mg/kg	U	U	0.05	mg/kg	U	*	0.49	mg/kg	-	B	0.08	mg/kg	U		0.89	mg/kg	-
Molybdenum																				
Nickel	B	7.30	mg/kg	-	B	6.90	mg/kg	-		39.20	mg/kg	-	N*	87.20	mg/kg	J		22.20	mg/kg	U
Potassium		1120.00	mg/kg	-	B	851.00	mg/kg	-	B	594.00	mg/kg	-	B	1020.00	mg/kg	-	B	286.00	mg/kg	-
Selenium	UNW	2.10	mg/kg	R	UNW	2.10	mg/kg	R	UNW	4.00	mg/kg	R	UNW	1.00	mg/kg	R	UNW	0.20	mg/kg	R
Silicon																				
Silver	S	5.30	mg/kg	-	S	4.40	mg/kg	-		4.80	mg/kg	-	UW	0.20	mg/kg	U	B	0.81	mg/kg	-
Sodium	B	708.00	mg/kg	-	B	426.00	mg/kg	-	E	2480.00	mg/kg	J	B	678.00	mg/kg	J	BN	936.00	mg/kg	J
Thallium	UNW	0.21	mg/kg	R	UNW	0.21	mg/kg	R	UNW	0.40	mg/kg	UJ	UW	0.20	mg/kg	UJ	UEN	1.00	mg/kg	UJ
Vanadium	•	27.70	mg/kg	-	•	27.10	mg/kg	-	UN	6.00	mg/kg	R	N	43.40	mg/kg	J	BN*	6.80	mg/kg	U
Zinc	N	123.00	mg/kg	J	N	68.90	mg/kg	J	E	720.00	mg/kg	J		37.20	mg/kg	-	•	476.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	12
Sample:	5A-055

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5430.00	mg/kg	-
Antimony	BN	1.80	mg/kg	J
Arsenic	B	3.00	mg/kg	-
Barium		59.90	mg/kg	-
Beryllium		1.90	mg/kg	-
Cadmium	U	1.00	mg/kg	U
Calcium		196000.00	mg/kg	-
Chromium	N*	42.80	mg/kg	J
Cobalt	B	4.40	mg/kg	U
Copper	N	47.80	mg/kg	J
Iron		21700.00	mg/kg	-
Lead	*	57.00	mg/kg	-
Magnesium	E	46800.00	mg/kg	J
Manganese	N	528.00	mg/kg	J
Mercury	B	0.05	mg/kg	U
Molybdenum				
Nickel	N	65.80	mg/kg	J
Potassium		1090.00	mg/kg	-
Selenium	UNW	2.00	mg/kg	R
Silicon				
Silver	UW	0.20	mg/kg	U
Sodium	B	567.00	mg/kg	-
Thallium	U	0.20	mg/kg	U
Vanadium		26.60	mg/kg	-
Zinc		33.50	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 5B - Plant 5 Ingot Pickling
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	5B-002				5B-003 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5920.00	mg/kg	-		5760.00	mg/kg	-
Antimony	BN	10.70	mg/kg	J	UN	9.40	mg/kg	UJ
Arsenic	S*	4.60	mg/kg	-	S*	4.70	mg/kg	-
Barium	•	47.90	mg/kg	-	•	46.30	mg/kg	-
Beryllium	B	0.35	mg/kg	-	B	0.34	mg/kg	-
Cadmium	U*	0.62	mg/kg	U	U*	0.61	mg/kg	U
Calcium	•	194000.00	mg/kg	-	•	180000.00	mg/kg	-
Chromium	•	13.50	mg/kg	-	•	12.10	mg/kg	-
Cobalt	B	3.90	mg/kg	U	B	2.80	mg/kg	U
Copper	N*	9.70	mg/kg	-	N*	8.80	mg/kg	-
Iron	•	8790.00	mg/kg	-	*	8440.00	mg/kg	-
Lead		2.50	mg/kg	-		2.30	mg/kg	-
Magnesium		37000.00	mg/kg	-		35400.00	mg/kg	-
Manganese	N*	348.00	mg/kg	J	N*	315.00	mg/kg	J
Mercury	U*	0.10	mg/kg	U	U*	0.10	mg/kg	U
Molybdenum								
Nickel		12.60	mg/kg	U		10.60	mg/kg	U
Potassium		1510.00	mg/kg	-		1520.00	mg/kg	-
Selenium	U	0.62	mg/kg	U	U	0.61	mg/kg	U
Silicon								
Silver	U	0.82	mg/kg	U	U	0.82	mg/kg	U
Sodium	B	848.00	mg/kg	J	B	843.00	mg/kg	J
Thallium	UW	0.82	mg/kg	UJ	UW	0.82	mg/kg	UJ
Vanadium		13.80	mg/kg	-		13.10	mg/kg	-
Zinc	•	25.30	mg/kg	U	•	26.10	mg/kg	-

000358

Appendix L.2 - Major Media
Category 4 - Process Support
Component 5C - Plant 5 Electrical Substation
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	5C-003				5C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4270.00	mg/kg	-		3280.00	mg/kg	-
Antimony	UN	1.00	mg/kg	R	BN	1.70	mg/kg	UJ
Arsenic	UNW	0.81	mg/kg	R	BN	1.80	mg/kg	J
Barium	B	29.50	mg/kg	-		246.00	mg/kg	-
Beryllium	U	0.81	mg/kg	U	U	0.82	mg/kg	U
Cadmium		1.20	mg/kg	-	U	0.41	mg/kg	U
Calcium	•	164000.00	mg/kg	-		5190.00	mg/kg	-
Chromium		11.10	mg/kg	-		42.80	mg/kg	-
Cobalt	B	4.70	mg/kg	-		588.00	mg/kg	-
Copper		8.70	mg/kg	U		140.00	mg/kg	-
Iron		6820.00	mg/kg	-		74300.00	mg/kg	-
Lead	N	5.30	mg/kg	J		1380.00	mg/kg	-
Magnesium		53600.00	mg/kg	-		6160.00	mg/kg	-
Manganese	N	283.00	mg/kg	J		147.00	mg/kg	-
Mercury	U	0.05	mg/kg	U		0.18	mg/kg	U
Molybdenum								
Nickel		12.50	mg/kg	-		39.30	mg/kg	-
Potassium		1790.00	mg/kg	-	B	381.00	mg/kg	-
Selenium	UNW	2.00	mg/kg	UJ	BNW	0.80	mg/kg	J
Silicon								
Silver	U	0.41	mg/kg	U	U	0.41	mg/kg	U
Sodium	B	408.00	mg/kg	-	B	268.00	mg/kg	-
Thallium	UNW	0.20	mg/kg	R	UNW	0.21	mg/kg	U
Vanadium		20.40	mg/kg	-	B	2.90	mg/kg	U
Zinc	N	35.70	mg/kg	J		38500.00	mg/kg	-

006359

3212

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 5E - Plant 5 Filter Building
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	5E-001

	LQ	RESULT	UNITS	VQ
letals				
Aluminum		6200.00	mg/kg	-
Antimony	UN	9.30	mg/kg	UJ
Arsenic	S*	2.90	mg/kg	-
Barium	B*	35.60	mg/kg	-
Beryllium	B	0.41	mg/kg	-
Cadmium	B*	0.76	mg/kg	-
Calcium	*	179000.00	mg/kg	-
Chromium	*	14.00	mg/kg	-
Cobalt	B	3.20	mg/kg	U
Copper	N*	12.20	mg/kg	-
Iron	*	8190.00	mg/kg	-
Lead		3.50	mg/kg	-
Magnesium		35900.00	mg/kg	-
Manganese	N*	359.00	mg/kg	J
Mercury	U*	0.10	mg/kg	U
Molybdenum				
Nickel		12.10	mg/kg	U
Potassium		2050.00	mg/kg	-
Selenium	U	0.60	mg/kg	U
Silicon				
Silver	U	0.81	mg/kg	U
Sodium	B	898.00	mg/kg	J
Thallium	UW	0.80	mg/kg	UJ
Vanadium		15.40	mg/kg	-
Zinc	*	30.80	mg/kg	-

000400

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 5G - Plant 5 Ingot Storage Shelter
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	5G-002				5G-003 DUP				5G-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5890.00	mg/kg	-		6810.00	mg/kg	-		30900.00	mg/kg	-
Antimony	U	5.50	mg/kg	U	B	7.20	mg/kg	-		18.10	mg/kg	-
Arsenic		5.20	mg/kg	U		5.40	mg/kg	-	S	3.80	mg/kg	U
Barium		76.10	mg/kg	-		95.60	mg/kg	-		7940.00	mg/kg	-
Beryllium	B	0.62	mg/kg	U	B	0.65	mg/kg	-	B	0.12	mg/kg	U
Cadmium	B	0.74	mg/kg	-	B	0.69	mg/kg	-	B	0.60	mg/kg	-
Calcium		189000.00	mg/kg	-		208000.00	mg/kg	-		2590.00	mg/kg	-
Chromium		9.50	mg/kg	-		11.20	mg/kg	-		1820.00	mg/kg	-
Cobalt	B	3.30	mg/kg	U	B	3.20	mg/kg	U		46.40	mg/kg	-
Copper		6.50	mg/kg	-		9.20	mg/kg	-		38.60	mg/kg	-
Iron		6620.00	mg/kg	-		7550.00	mg/kg	-		30200.00	mg/kg	-
Lead	N	4.60	mg/kg	-	N	3.80	mg/kg	-		1420.00	mg/kg	-
Magnesium		44000.00	mg/kg	-		40500.00	mg/kg	-		11800.00	mg/kg	-
Manganese		248.00	mg/kg	-		254.00	mg/kg	-		1020.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel	B	7.40	mg/kg	-		9.00	mg/kg	-		12.90	mg/kg	-
Potassium	B	737.00	mg/kg	-	B	976.00	mg/kg	-		1210.00	mg/kg	-
Selenium	UWN	1.90	mg/kg	R	UWN	1.90	mg/kg	R	U	1.40	mg/kg	U
Silicon												
Silver	U	0.70	mg/kg	U	U	0.70	mg/kg	U	U	0.70	mg/kg	U
Sodium	B	369.00	mg/kg	-	B	392.00	mg/kg	-	B	897.00	mg/kg	-
Thallium	BWN	0.34	mg/kg	J	UWN	0.31	mg/kg	UJ	UW	0.14	mg/kg	UJ
Vanadium	B	4.70	mg/kg	U	B	3.70	mg/kg	U	U	0.60	mg/kg	U
Zinc	N*	355.00	mg/kg	J	N*	514.00	mg/kg	J		2510.00	mg/kg	-

000401

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-4"			
Process Area:	1				1				1				1				1			
Sample:	6A-003				6A-005				6A-009				6A-010				6A-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6450.00	mg/kg	-		17400.00	mg/kg	-		6310.00	mg/kg	-		5330.00	mg/kg	-		5660.00	mg/kg	-
Antimony	UN	9.80	mg/kg	UJ	BN	2.10	mg/kg	UJ	BN	6.80	mg/kg	UJ	UN	6.20	mg/kg	UJ	UN	6.20	mg/kg	UJ
Arsenic	SN	12.20	mg/kg	-	BNW	4.80	mg/kg	J	S	11.40	mg/kg	-		2.70	mg/kg	-	+	3.40	mg/kg	J
Barium	N*	67.40	mg/kg	-		5960.00	mg/kg	-		59.80	mg/kg	-		43.80	mg/kg	-		47.20	mg/kg	-
Beryllium		2.60	mg/kg	-	U	0.82	mg/kg	U	B	0.34	mg/kg	U	B	0.21	mg/kg	U	B	0.15	mg/kg	U
Cadmium	U	0.40	mg/kg	U		10.30	mg/kg	-	U*	0.52	mg/kg	UJ	U*	0.52	mg/kg	UJ	•	4.90	mg/kg	J
Calcium		177000.00	mg/kg	-		5130.00	mg/kg	-		188000.00	mg/kg	-		199000.00	mg/kg	-		190000.00	mg/kg	-
Chromium	UN*	0.80	mg/kg	UJ		434.00	mg/kg	-	•	59.80	mg/kg	-	•	13.30	mg/kg	-	*	7.50	mg/kg	-
Cobalt	B	8.10	mg/kg	-		138.00	mg/kg	-	B	6.00	mg/kg	-	B	3.80	mg/kg	-	B	3.40	mg/kg	-
Copper	N*	112.00	mg/kg	J		62.90	mg/kg	-		96.40	mg/kg	-		17.60	mg/kg	-		11.80	mg/kg	-
Iron	E*	42900.00	mg/kg	J		11600.00	mg/kg	-		45000.00	mg/kg	-		14400.00	mg/kg	-		7100.00	mg/kg	-
Lead	E*	165.00	mg/kg	J		182000.00	mg/kg	-	S*	54.90	mg/kg	J	•	4.20	mg/kg	J	•	2.40	mg/kg	J
Magnesium		32700.00	mg/kg	-		8240.00	mg/kg	-		39100.00	mg/kg	-		46500.00	mg/kg	-		45800.00	mg/kg	-
Manganese	E	510.00	mg/kg	J		229.00	mg/kg	-		578.00	mg/kg	-		344.00	mg/kg	-		276.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.05	mg/kg	U	UN	0.05	mg/kg	U	UN	0.05	mg/kg	U	BN	0.08	mg/kg	-
Molybdenum																				
Nickel		39.60	mg/kg	-		14.70	mg/kg	-		52.40	mg/kg	-		10.20	mg/kg	-	B	5.40	mg/kg	-
Potassium		8480.00	mg/kg	-		1850.00	mg/kg	-		3900.00	mg/kg	-		3710.00	mg/kg	-		2430.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UEN	2.00	mg/kg	R	UNW	0.70	mg/kg	R	UNW	0.70	mg/kg	R	UNW	0.70	mg/kg	R
Silicon																				
Silver	N*	26.00	mg/kg	-		2.40	mg/kg	-	UN*	1.20	mg/kg	UJ	UN*	1.20	mg/kg	UJ	N*	14.80	mg/kg	J
Sodium		1100.00	mg/kg	J		4970.00	mg/kg	-		1050.00	mg/kg	-	B	772.00	mg/kg	-	B	711.00	mg/kg	-
Thallium	UW	0.60	mg/kg	UJ	BN	0.45	mg/kg	J	UNW	0.08	mg/kg	UJ	UNW	0.08	mg/kg	UJ	UNW	0.08	mg/kg	UJ
Vanadium	U	1.20	mg/kg	U	B	7.60	mg/kg	-		20.10	mg/kg	-		13.40	mg/kg	-		12.60	mg/kg	-
Zinc	EN*	83.20	mg/kg	J		5520.00	mg/kg	-		27.90	mg/kg	-		19.20	mg/kg	-		20.40	mg/kg	-

000302

Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	TRANSITE				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"								0-.5"							
Process Area:	1				2				2				3				3			
Sample:	6A-015(TCLP)				6A-017				6A-018				6A-022				6A-024			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum						5080.00	mg/kg	-		2080.00	mg/kg	-		5590.00	mg/kg	-		1570.00	mg/kg	-
Antimony					UN	9.80	mg/kg	UJ	N	61.10	mg/kg	J	UN	9.80	mg/kg	UJ	N	127.00	mg/kg	J
Arsenic	U	0.0050	mg/L	U	SN	6.90	mg/kg	-		23.00	mg/kg	-	N	5.70	mg/kg	-	+	10.90	mg/kg	J
Barium		0.5830	mg/L	U	N*	52.30	mg/kg	-		447.00	mg/kg	-	N*	59.60	mg/kg	-		196.00	mg/kg	-
Beryllium						1.80	mg/kg	-	B	1.00	mg/kg	U	B	0.33	mg/kg	-		1.70	mg/kg	U
Cadmium	U	0.0200	mg/L	U	U	0.40	mg/kg	U		13.80	mg/kg	-	U	0.40	mg/kg	U		17.40	mg/kg	-
Calcium						176000.00	mg/kg	-	B	4580.00	mg/kg	-		185000.00	mg/kg	-		37400.00	mg/kg	-
Chromium	U	0.0300	mg/L	U	UN*	0.80	mg/kg	UJ		5420.00	mg/kg	-	N*	25.80	mg/kg	J		10600.00	mg/kg	-
Cobalt					B	6.00	mg/kg	-	E	90.50	mg/kg	J	B	2.90	mg/kg	-	E	92.00	mg/kg	J
Copper					N*	123.00	mg/kg	J		267.00	mg/kg	-	N*	65.30	mg/kg	J		63.00	mg/kg	-
Iron					E*	41400.00	mg/kg	J	E	174000.00	mg/kg	J	E*	15500.00	mg/kg	J	E	42200.00	mg/kg	J
Lead	U	0.3900	mg/L	U	S	15.30	mg/kg	J	•	55400.00	mg/kg	J	E*	69.10	mg/kg	J	•	120000.00	mg/kg	J
Magnesium						35400.00	mg/kg	-	B	3740.00	mg/kg	-		37800.00	mg/kg	-		4270.00	mg/kg	-
Manganese					E	511.00	mg/kg	J		1270.00	mg/kg	-	E	385.00	mg/kg	J		352.00	mg/kg	-
Mercury	U	0.0005	mg/L	U	U	0.10	mg/kg	U		0.52	mg/kg	-	U	0.10	mg/kg	U		0.95	mg/kg	-
Molybdenum																				
Nickel						35.70	mg/kg	-		84.20	mg/kg	-		37.80	mg/kg	-		16.00	mg/kg	-
Potassium					B	972.00	mg/kg	-	BE	1020.00	mg/kg	J		13500.00	mg/kg	-	E	4250.00	mg/kg	J
Selenium	U	0.0100	mg/L	UJ	UWN	0.60	mg/kg	UJ	BEN	0.76	mg/kg	J	UWN	0.60	mg/kg	UJ	UNW	0.50	mg/kg	UJ
Silicon																				
Silver	U	0.0350	mg/L	R	N*	16.70	mg/kg	-	U	6.20	mg/kg	U	N*	4.00	mg/kg	-		2.10	mg/kg	-
Sodium					B	810.00	mg/kg	UJ	B	601.00	mg/kg	-		11000.00	mg/kg	J	B	531.00	mg/kg	-
Thallium					UW	0.60	mg/kg	UJ	BNW	0.09	mg/kg	J	U	3.00	mg/kg	U	UNW	0.80	mg/kg	UJ
Vanadium					U	1.20	mg/kg	U	B	14.30	mg/kg	-		11.50	mg/kg	-		17.60	mg/kg	-
Zinc					EN*	52.40	mg/kg	J	E	917.00	mg/kg	J	EN*	346.00	mg/kg	J	E	30800.00	mg/kg	J

000403

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"								0-.5"								0-.5"			
Process Area:	4				4				5				5				6			
Sample:	6A-025A				6A-027				6A-028				6A-029				6A-031A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6110.00	mg/kg	-	•	748.00	mg/kg	U		4830.00	mg/kg	-		16400.00	mg/kg	-		6290.00	mg/kg	-
Antimony	UN	9.90	mg/kg	UJ	N	96.90	mg/kg	J	UN	9.60	mg/kg	UJ	BN	9.60	mg/kg	UJ	UN	9.60	mg/kg	UJ
Arsenic	SN	5.50	mg/kg	-	N	20.00	mg/kg	J	SN	7.00	mg/kg	-		26.80	mg/kg	-	SN	19.30	mg/kg	-
Barium	N*	201.00	mg/kg	-	B	52.50	mg/kg	-	N*	163.00	mg/kg	-		4760.00	mg/kg	-	N*	55.00	mg/kg	-
Beryllium	B	0.24	mg/kg	-	UN	1.50	mg/kg	U	B	0.50	mg/kg	-	B	0.30	mg/kg	U	B	0.30	mg/kg	-
Cadmium	U	0.40	mg/kg	U	U	2.70	mg/kg	U		1.10	mg/kg	U		4.20	mg/kg	U	B	0.89	mg/kg	U
Calcium		199000.00	mg/kg	-	B	3240.00	mg/kg	-		172000.00	mg/kg	-		12200.00	mg/kg	-		196000.00	mg/kg	-
Chromium	N*	15.30	mg/kg	J		335.00	mg/kg	-	N*	25.20	mg/kg	J		1620.00	mg/kg	-	N*	102.00	mg/kg	J
Cobalt	B	2.30	mg/kg	-	B	33.40	mg/kg	-	B	2.60	mg/kg	-	E	112.00	mg/kg	J		9.90	mg/kg	-
Copper	N*	13.70	mg/kg	J		178.00	mg/kg	U	N*	76.40	mg/kg	J		147.00	mg/kg	-	N*	198.00	mg/kg	J
Iron	E*	9030.00	mg/kg	J	•	486000.00	mg/kg	-	E*	12200.00	mg/kg	J	E	73200.00	mg/kg	J	E*	95600.00	mg/kg	J
Lead		18.50	mg/kg	J	•	34200.00	mg/kg	-	E*	1100.00	mg/kg	J	•	133000.00	mg/kg	J		10.60	mg/kg	J
Magnesium		35000.00	mg/kg	-	B	656.00	mg/kg	-		44100.00	mg/kg	-		2700.00	mg/kg	-		36000.00	mg/kg	-
Manganese	E	330.00	mg/kg	J		2810.00	mg/kg	-	E	364.00	mg/kg	J		538.00	mg/kg	-	E	863.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	B	0.09	mg/kg	-	U	0.10	mg/kg	U		0.37	mg/kg	-	U	0.10	mg/kg	U
Molybdenum																				
Nickel		12.70	mg/kg	-	•	138.00	mg/kg	-		19.10	mg/kg	-		37.60	mg/kg	-		110.00	mg/kg	-
Potassium		4100.00	mg/kg	-		24900.00	mg/kg	-		4630.00	mg/kg	-	E	6510.00	mg/kg	J		1510.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UN	1.50	mg/kg	UJ	UNW	0.60	mg/kg	UJ	BNW	0.59	mg/kg	J	UWN	0.59	mg/kg	UJ
Silicon																				
Silver	UN*	0.81	mg/kg	U	UN	5.60	mg/kg	UJ	N*	6.00	mg/kg	-	B	1.50	mg/kg	-	UN*	0.79	mg/kg	U
Sodium		4140.00	mg/kg	J		12900.00	mg/kg	-		1150.00	mg/kg	J		1030.00	mg/kg	-		1700.00	mg/kg	J
Thallium	UW	0.60	mg/kg	UJ	UN	1.90	mg/kg	UJ	U	0.60	mg/kg	U	UNW	0.08	mg/kg	UJ	U	0.59	mg/kg	U
Vanadium		14.00	mg/kg	-	U	8.30	mg/kg	U	B	2.30	mg/kg	-	B	7.00	mg/kg	-		40.20	mg/kg	-
Zinc	EN*	116.00	mg/kg	J		141.00	mg/kg	-	EN*	215.00	mg/kg	J	E	46900.00	mg/kg	J	EN*	149.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-4"								0-.5"				.5-1"			
Process Area:	6				6				6				7				7			
Sample:	6A-032A				6A-033A				6A-035				6A-036A				6A-037A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5540.00	mg/kg	-		5230.00	mg/kg	-		4530.00	mg/kg	-		3820.00	mg/kg	-		4600.00	mg/kg	-
Antimony	UN	9.70	mg/kg	UJ	UN	9.90	mg/kg	UJ	N	38.70	mg/kg	J	UN	9.80	mg/kg	UJ	UN	9.90	mg/kg	UJ
Arsenic	N	5.10	mg/kg	-	N	4.00	mg/kg	-	N	4.60	mg/kg	-	SN	4.70	mg/kg	-	N	4.40	mg/kg	-
Barium	N*	44.30	mg/kg	-	N*	43.60	mg/kg	-	N*	228.00	mg/kg	-	N*	45.10	mg/kg	-	N*	44.20	mg/kg	-
Beryllium	B	0.20	mg/kg	-	U	0.20	mg/kg	U		4.20	mg/kg	-	U	0.20	mg/kg	U	B	0.22	mg/kg	-
Cadmium	U	0.40	mg/kg	U	U	0.40	mg/kg	U	U	0.40	mg/kg	U		2.80	mg/kg	-		1.10	mg/kg	U
Calcium		206000.00	mg/kg	-		200000.00	mg/kg	-		39000.00	mg/kg	-		179000.00	mg/kg	-		174000.00	mg/kg	-
Chromium	N*	7.90	mg/kg	J	N*	7.60	mg/kg	J	N*	14200.00	mg/kg	J	N*	57.40	mg/kg	J	N*	56.00	mg/kg	J
Cobalt	B	2.00	mg/kg	-	B	1.80	mg/kg	-		97.30	mg/kg	-	B	2.20	mg/kg	-	B	2.10	mg/kg	-
Copper	N*	6.00	mg/kg	J	N*	6.80	mg/kg	J	N*	121.00	mg/kg	J	N*	10.40	mg/kg	J	N*	10.30	mg/kg	J
Iron	E*	6820.00	mg/kg	J	E*	6770.00	mg/kg	J	E*	47400.00	mg/kg	J	E*	5270.00	mg/kg	J	E*	5920.00	mg/kg	J
Lead	S	2.80	mg/kg	J	B+	0.54	mg/kg	J	E*	23700.00	mg/kg	J	E*	247.00	mg/kg	J	E*	275.00	mg/kg	J
Magnesium		40700.00	mg/kg	-		49800.00	mg/kg	-		4180.00	mg/kg	-		55400.00	mg/kg	-		44000.00	mg/kg	-
Manganese	E	313.00	mg/kg	J	E	309.00	mg/kg	J	E	225.00	mg/kg	J	E	209.00	mg/kg	J	E	214.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U		2.40	mg/kg	-	U	0.10	mg/kg	U	U	0.10	mg/kg	U
Molybdenum																				
Nickel	B	3.20	mg/kg	-	B	2.50	mg/kg	-		24.30	mg/kg	-	B	3.70	mg/kg	-	B	4.50	mg/kg	-
Potassium	B	864.00	mg/kg	-	B	929.00	mg/kg	-		5090.00	mg/kg	-		1310.00	mg/kg	-		1610.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UWN	0.60	mg/kg	UJ	UWN	.3.00	mg/kg	UJ	UWN	0.60	mg/kg	UJ	UWN	0.59	mg/kg	UJ
Silicon																				
Silver	UN*	0.79	mg/kg	U	UN*	0.81	mg/kg	U	N*	40.50	mg/kg	-	N*	6.40	mg/kg	-	N*	2.80	mg/kg	-
Sodium	B	675.00	mg/kg	UJ	B	625.00	mg/kg	UJ		2950.00	mg/kg	J		2260.00	mg/kg	J		2900.00	mg/kg	J
Thallium	UW	0.60	mg/kg	UJ	UW	0.60	mg/kg	UJ	U	0.60	mg/kg	U	UW	0.60	mg/kg	UJ	UW	0.59	mg/kg	UJ
Vanadium		11.90	mg/kg	-		12.30	mg/kg	-	U	1.20	mg/kg	U		10.00	mg/kg	-		10.50	mg/kg	-
Zinc	EN*	19.50	mg/kg	J	EN*	17.80	mg/kg	J	EN*	17900.00	mg/kg	J	EN*	79.10	mg/kg	J	EN*	91.30	mg/kg	J

0003405

12123

Appendix L.2 - Major Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	CONCRETE CORE				STEEL COATINGS			
Depth:	1-4"							
Process Area:	7				7			
Sample:	6A-038A				6A-040			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4380.00	mg/kg	-		1200.00	mg/kg	-
Antimony	UN	9.60	mg/kg	UJ	UN	9.80	mg/kg	UJ
Arsenic	SN	4.10	mg/kg	-	N	16.30	mg/kg	-
Barium	BN*	33.20	mg/kg	-	N*	64.30	mg/kg	-
Beryllium	U	0.20	mg/kg	U		1.60	mg/kg	-
Cadmium	U	0.39	mg/kg	U		5.80	mg/kg	-
Calcium		168000.00	mg/kg	-		62900.00	mg/kg	-
Chromium	N*	20.30	mg/kg	J	N*	206.00	mg/kg	J
Cobalt	B	2.00	mg/kg	-		119.00	mg/kg	-
Copper	N*	7.80	mg/kg	J	N*	270.00	mg/kg	J
Iron	E*	5530.00	mg/kg	J	E*	156000.00	mg/kg	J
Lead	E*	74.80	mg/kg	J	E*	155000.00	mg/kg	J
Magnesium		39100.00	mg/kg	-		2230.00	mg/kg	-
Manganese	E	218.00	mg/kg	J	E	496.00	mg/kg	J
Mercury	U	0.10	mg/kg	U		0.39	mg/kg	-
Molybdenum								
Nickel		7.90	mg/kg	-		70.50	mg/kg	-
Potassium	B	955.00	mg/kg	-	B	224.00	mg/kg	-
Selenium	UWN	0.59	mg/kg	UJ	UEN	3.00	mg/kg	UJ
Silicon								
Silver	UN*	0.79	mg/kg	-	N*	10.00	mg/kg	-
Sodium		1880.00	mg/kg	J	B	801.00	mg/kg	UJ
Thallium	UW	0.59	mg/kg	UJ	U	0.60	mg/kg	U
Vanadium		10.10	mg/kg	-	B	4.60	mg/kg	-
Zinc	EN*	44.60	mg/kg	J	EN*	4120.00	mg/kg	J

000406

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage Area
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	6B-002				6B-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4840.00	mg/kg	-		25800.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R	B	7.60	mg/kg	U
Arsenic		4.00	mg/kg	-	B	3.10	mg/kg	-
Barium	N	101.00	mg/kg	J	*	12300.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ	B	0.07	mg/kg	U
Cadmium	N	0.67	mg/kg	UJ	U	0.57	mg/kg	U
Calcium		161000.00	mg/kg	-	•	6150.00	mg/kg	J
Chromium	N	7.60	mg/kg	J	•	870.00	mg/kg	J
Cobalt	N	2.50	mg/kg	J		71.80	mg/kg	-
Copper		11.30	mg/kg	-	•	114.00	mg/kg	J
Iron	E	7400.00	mg/kg	J	*	68500.00	mg/kg	J
Lead	EN*	7.10	mg/kg	J		12500.00	mg/kg	-
Magnesium	E	40000.00	mg/kg	J		11500.00	mg/kg	-
Manganese	E	167.00	mg/kg	J	*	1530.00	mg/kg	J
Mercury	UN	0.03	mg/kg	R		0.25	mg/kg	U
Molybdenum								
Nickel	N	5.20	mg/kg	J	*	33.80	mg/kg	-
Potassium	E	668.00	mg/kg	J	U	648.00	mg/kg	U
Selenium	UN	0.95	mg/kg	U	UWN	3.70	mg/kg	UJ
Silicon								
Silver	U	0.19	mg/kg	U	U	0.70	mg/kg	U
Sodium		403.00	mg/kg	-	B	456.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ	U	1.40	mg/kg	U
Vanadium	EN	10.50	mg/kg	J	B	10.20	mg/kg	-
Zinc	E*	416.00	mg/kg	J	*	277.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 6C - Plant 6 Electrostatic Precipitator (South)
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	6C-003				6C-004				6C-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		4900.00	mg/kg	-		4120.00	mg/kg	-		5040.00	mg/kg	-
Antimony	B	9.20	mg/kg	U	U	5.50	mg/kg	U	B	9.40	mg/kg	U
Arsenic	N	2.70	mg/kg	-	N	2.80	mg/kg	-	N	2.60	mg/kg	-
Barium		47.50	mg/kg	-	B	40.80	mg/kg	-		53.30	mg/kg	-
Beryllium	B	0.50	mg/kg	U	B	0.48	mg/kg	U	B	0.56	mg/kg	-
Cadmium	U	0.58	mg/kg	UJ	U	0.58	mg/kg	UJ	B	0.84	mg/kg	J
Calcium		201000.00	mg/kg	-		166000.00	mg/kg	-		215000.00	mg/kg	-
Chromium		7.50	mg/kg	-		6.60	mg/kg	-		8.90	mg/kg	-
Cobalt	B	3.30	mg/kg	-	B	2.20	mg/kg	-	B	4.00	mg/kg	-
Copper	B	5.00	mg/kg	-	B	4.30	mg/kg	-		6.30	mg/kg	-
Iron		6940.00	mg/kg	-		5460.00	mg/kg	-		7650.00	mg/kg	-
Lead	S	8.80	mg/kg	-		3.90	mg/kg	-		2.20	mg/kg	-
Magnesium		46700.00	mg/kg	-		42500.00	mg/kg	-		48500.00	mg/kg	-
Manganese		264.00	mg/kg	-		215.00	mg/kg	-		293.00	mg/kg	-
Mercury	B	0.09	mg/kg	U	B	0.09	mg/kg	U	B	0.10	mg/kg	U
Molybdenum												
Nickel	B	6.90	mg/kg	-	B	6.00	mg/kg	-	B	7.20	mg/kg	-
Potassium	B	684.00	mg/kg	-		1210.00	mg/kg	-	B	926.00	mg/kg	-
Selenium	UWN	0.37	mg/kg	UJ	UWN	0.37	mg/kg	UJ	UN	3.70	mg/kg	U
Silicon												
Silver	U	0.70	mg/kg	U	U	0.70	mg/kg	U		2.60	mg/kg	-
Sodium	B	526.00	mg/kg	-	B	820.00	mg/kg	-	B	552.00	mg/kg	-
Thallium	U	0.14	mg/kg	U	U	0.14	mg/kg	U	U	0.15	mg/kg	U
Vanadium	B	6.00	mg/kg	-	B	6.30	mg/kg	-	B	6.40	mg/kg	-
Zinc	N	84.00	mg/kg	J	N	18.30	mg/kg	J	N	21.30	mg/kg	J

000268

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Precipitator (Central)
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	6D-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4740.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R
Arsenic		3.20	mg/kg	U
Barium	N	42.10	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	N	0.34	mg/kg	UJ
Calcium		121000.00	mg/kg	-
Chromium	N	7.30	mg/kg	J
Cobalt	N	3.80	mg/kg	J
Copper		8.50	mg/kg	-
Iron	E	5680.00	mg/kg	J
Lead	N	4.10	mg/kg	J
Magnesium	E	36600.00	mg/kg	J
Manganese	E	230.00	mg/kg	J
Mercury	UN	0.03	mg/kg	R
Molybdenum				
Nickel	N	6.20	mg/kg	J
Potassium	E	816.00	mg/kg	J
Selenium	UN	1.00	mg/kg	U
Silicon				
Silver	U	0.18	mg/kg	U
Sodium		507.00	mg/kg	-
Thallium	UWN	0.30	mg/kg	UJ
Vanadium	EN	9.70	mg/kg	J
Zinc	E*	123.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	1				1				1				1				1			
Sample:	6F-003				6F-004				6F-005				6F-006 DUP				6F-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E*	4720.00	mg/kg	J	E*	5140.00	mg/kg	J	E*	6040.00	mg/kg	J	E*	5910.00	mg/kg	J		5880.00	mg/kg	-
Antimony	U	51.10	mg/kg	U	U	51.50	mg/kg	U	U	51.70	mg/kg	U	U	51.20	mg/kg	U	N	261.00	mg/kg	J
Arsenic		4.20	mg/kg	-		5.00	mg/kg	-		4.00	mg/kg	-		3.90	mg/kg	-	N	21.50	mg/kg	-
Barium	B	54.70	mg/kg	-	B	65.00	mg/kg	-	B	59.80	mg/kg	-	B	66.50	mg/kg	-	*	3200.00	mg/kg	J
Beryllium	B	0.74	mg/kg	U	B	0.75	mg/kg	U	B	1.50	mg/kg	U	B	0.74	mg/kg	U	B	3.00	mg/kg	U
Cadmium	U*	3.30	mg/kg	U	U*	3.30	mg/kg	U	B*	3.30	mg/kg	-	U*	3.30	mg/kg	U		52.50	mg/kg	-
Calcium	E	195000.00	mg/kg	J	E	199000.00	mg/kg	J	E	215000.00	mg/kg	J	E	196000.00	mg/kg	J	BE	8610.00	mg/kg	J
Chromium	U*	8.70	mg/kg	UJ	B*	10.20	mg/kg	J	U*	8.80	mg/kg	UJ	U*	8.70	mg/kg	UJ		1300.00	mg/kg	-
Cobalt	U	8.70	mg/kg	U	U	8.70	mg/kg	U	U	8.80	mg/kg	U	U	8.70	mg/kg	U	B	53.40	mg/kg	-
Copper	UN*	10.10	mg/kg	UJ	UN*	10.20	mg/kg	UJ	UN*	10.20	mg/kg	UJ	UN*	10.10	mg/kg	UJ	*	410.00	mg/kg	J
Iron	*	8750.00	mg/kg	J	*	19800.00	mg/kg	J	*	9230.00	mg/kg	J	*	9890.00	mg/kg	J		245000.00	mg/kg	-
Lead	*	43.80	mg/kg	J	S*	19.00	mg/kg	J	S*	12.90	mg/kg	J	*	43.50	mg/kg	J	*	94100.00	mg/kg	-
Magnesium		44800.00	mg/kg	-		52600.00	mg/kg	-		60300.00	mg/kg	-		55300.00	mg/kg	-	B	3900.00	mg/kg	-
Manganese	N*	356.00	mg/kg	J	N*	520.00	mg/kg	J	N*	374.00	mg/kg	J	N*	406.00	mg/kg	J		1240.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U		0.23	mg/kg	-
Molybdenum																				
Nickel	U	38.30	mg/kg	U	U	38.60	mg/kg	U	U	38.80	mg/kg	U	U	38.40	mg/kg	U	N*	153.00	mg/kg	-
Potassium	B	1850.00	mg/kg	U	B	2020.00	mg/kg	U	B	861.00	mg/kg	U	B	1860.00	mg/kg	U		11300.00	mg/kg	-
Selenium	N	2.20	mg/kg	J	UWN	0.37	mg/kg	R	UWN	0.38	mg/kg	R	UWN	0.37	mg/kg	R	UEN	3.70	mg/kg	R
Silicon																				
Silver	U	7.60	mg/kg	U	U	7.70	mg/kg	U	B	13.40	mg/kg	U	U	7.60	mg/kg	U	*	59.20	mg/kg	-
Sodium	B	1460.00	mg/kg	-	B	1410.00	mg/kg	-	B	650.00	mg/kg	U	B	1520.00	mg/kg	-	B	6760.00	mg/kg	-
Thallium	U	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ	UEN	3.10	mg/kg	R
Vanadium	B	51.80	mg/kg	-	B	51.30	mg/kg	-	B	57.40	mg/kg	-	B	48.50	mg/kg	-	UN	25.30	mg/kg	R
Zinc	N*	102.00	mg/kg	J	N*	84.50	mg/kg	J	BN*	41.10	mg/kg	J	N*	95.40	mg/kg	J		3080.00	mg/kg	-

0074700

Appendix L.2 - Major Media
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Metals

Material:	MASONRY CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	6F-009

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	E*	523.00	mg/kg	J
Antimony	B	6.70	mg/kg	-
Arsenic	BM	0.78	mg/kg	U
Barium	B	24.40	mg/kg	-
Beryllium	B	0.14	mg/kg	U
Cadmium	*	2.10	mg/kg	-
Calcium	BE	719.00	mg/kg	J
Chromium	*	9.90	mg/kg	J
Cobalt	B	0.92	mg/kg	U
Copper	N*	24.90	mg/kg	J
Iron	*	12200.00	mg/kg	J
Lead	*	30.70	mg/kg	J
Magnesium	B	292.00	mg/kg	-
Manganese	N*	83.50	mg/kg	J
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel	B	7.30	mg/kg	-
Potassium		1480.00	mg/kg	-
Selenium	UN	0.37	mg/kg	R
Silicon				
Silver		3.70	mg/kg	U
Sodium		2050.00	mg/kg	-
Thallium	U	0.31	mg/kg	U
Vanadium	U	2.50	mg/kg	U
Zinc	N*	192.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				TRANSITE				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"												0-.5"							
Process Area:	1				1				1				2				2			
Sample:	8A-003				8A-005				8A-009(TCLP)				8A-012				8A-014			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	•	4700.00	mg/kg	-	•	7310.00	mg/kg	-						6040.00	mg/kg	-		4300.00	mg/kg	-
Antimony	U	7.30	mg/kg	U		41.80	mg/kg	-						12.00	mg/kg	-		216.00	mg/kg	-
Arsenic	N	6.60	mg/kg	J	N	25.10	mg/kg	J	U*	0.5000	mg/L	U		4.30	mg/kg	-		2.60	mg/kg	-
Barium	BN	47.10	mg/kg	J	N	1620.00	mg/kg	J	B	0.4600	mg/L	U	N	317.00	mg/kg	J	N	816.00	mg/kg	J
Beryllium	B	0.73	mg/kg	-		2.10	mg/kg	-					B	0.70	mg/kg	-	U	0.48	mg/kg	U
Cadmium	U	0.60	mg/kg	U		8.80	mg/kg	-	U*	0.0100	mg/L	U	B	0.96	mg/kg	-		11.00	mg/kg	-
Calcium		224000.00	mg/kg	-		4190.00	mg/kg	-						180000.00	mg/kg	-		11000.00	mg/kg	-
Chromium	N	10.00	mg/kg	J	N	6200.00	mg/kg	J	B	0.0600	mg/L	-	N	24.20	mg/kg	-	N	11900.00	mg/kg	-
Cobalt		1.70	mg/kg	-		65.50	mg/kg	-					B	4.00	mg/kg	U		19.00	mg/kg	-
Copper	BN*	7.10	mg/kg	J	N*	193.00	mg/kg	J					N*	77.40	mg/kg	J	N*	38.90	mg/kg	J
Iron	•	7570.00	mg/kg	-	•	192000.00	mg/kg	-						11900.00	mg/kg	-		3510.00	mg/kg	-
Lead	N*	5.30	mg/kg	J		20400.00	mg/kg	-	U*	0.1000	mg/L	U	N*	15.20	mg/kg	J	*	98000.00	mg/kg	J
Magnesium	•	44300.00	mg/kg	J	•	6490.00	mg/kg	J						32400.00	mg/kg	-		9820.00	mg/kg	-
Manganese	N*	373.00	mg/kg	J	N*	897.00	mg/kg	J						506.00	mg/kg	-		106.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U*	0.0010	mg/L	U	U	0.05	mg/kg	U		0.25	mg/kg	-
Molybdenum																				
Nickel	U	3.80	mg/kg	-		109.00	mg/kg	-						14.40	mg/kg	-		10.10	mg/kg	-
Potassium		1000.00	mg/kg	-		6560.00	mg/kg	-						3040.00	mg/kg	-		2920.00	mg/kg	-
Selenium	UWN	0.41	mg/kg	UJ	UN	2.00	mg/kg	UJ	U*	0.3000	mg/L	U	BWN	0.22	mg/kg	UJ	UEN	0.80	mg/kg	UJ
Silicon																				
Silver	BN	2.20	mg/kg	UJ	N	15.30	mg/kg	J	U*	0.0200	mg/L	U	U	0.68	mg/kg	U	B	0.94	mg/kg	-
Sodium	B	757.00	mg/kg	J		1800.00	mg/kg	J					•	3500.00	mg/kg	J	*	1870.00	mg/kg	J
Thallium	U	0.62	mg/kg	U	U	0.61	mg/kg	U					UN	0.18	mg/kg	UJ	UN	1.80	mg/kg	UJ
Vanadium	B	11.30	mg/kg	-	B	6.10	mg/kg	-						15.60	mg/kg	U		10.80	mg/kg	U
Zinc	N*	19.80	mg/kg	J	N*	6830.00	mg/kg	J					EN*	132.00	mg/kg	J	EN*	648.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:					0-.5"				0-.5"								0-.5"			
Process Area:	3				4				4				4				5			
Sample:	8A-020				8A-022				8A-023 DUP				8A-026				8A-028			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3390.00	mg/kg	-		5240.00	mg/kg	-		4080.00	mg/kg	-		3330.00	mg/kg	-		4730.00	mg/kg	-
Antimony		23.10	mg/kg	-	BN	3.10	mg/kg	J	UN	2.80	mg/kg	UJ	NS	23.40	mg/kg	J		15.80	mg/kg	-
Arsenic	S	9.20	mg/kg	-	NS*	3.80	mg/kg	-	N*	6.60	mg/kg	-	N*	7.60	mg/kg	-		3.40	mg/kg	-
Barium	N	217.00	mg/kg	J	N*	106.00	mg/kg	J	BN*	37.70	mg/kg	J	N*	686.00	mg/kg	J	N	76.90	mg/kg	J
Beryllium	U	0.48	mg/kg	U	U	0.81	mg/kg	U		1.30	mg/kg	-	U	0.82	mg/kg	U	B	0.51	mg/kg	-
Cadmium		15.20	mg/kg	-	N*	29.40	mg/kg	J	N*	7.50	mg/kg	J	N*	18.50	mg/kg	J		1.70	mg/kg	-
Calcium		26800.00	mg/kg	-		168000.00	mg/kg	-		194000.00	mg/kg	-		14700.00	mg/kg	-		136000.00	mg/kg	-
Chromium	N	309.00	mg/kg	-	•	93.80	mg/kg	J	*	21.40	mg/kg	J	•	5810.00	mg/kg	J	N	23.80	mg/kg	-
Cobalt		68.40	mg/kg	-	B	9.50	mg/kg	-	B	4.50	mg/kg	U		48.50	mg/kg	-	B	1.60	mg/kg	U
Copper	N*	53.20	mg/kg	J	N	210.00	mg/kg	-	N	47.10	mg/kg	-	N	143.00	mg/kg	-	N*	202.00	mg/kg	J
Iron		19700.00	mg/kg	-	•	25400.00	mg/kg	J	•	8170.00	mg/kg	J	•	45100.00	mg/kg	J		6700.00	mg/kg	-
Lead	•	99100.00	mg/kg	J		81.40	mg/kg	-		37.30	mg/kg	-	•	85200.00	mg/kg	J	SN*	30.80	mg/kg	J
Magnesium		2300.00	mg/kg	-		50100.00	mg/kg	-		75000.00	mg/kg	-		6330.00	mg/kg	-		34400.00	mg/kg	-
Manganese		247.00	mg/kg	-	N*	383.00	mg/kg	J	N*	252.00	mg/kg	J	N*	371.00	mg/kg	J		166.00	mg/kg	-
Mercury		0.49	mg/kg	-	B	0.07	mg/kg	U		0.19	mg/kg	-	B	0.07	mg/kg	U	B	0.08	mg/kg	-
Molybdenum																				
Nickel		17.70	mg/kg	-	*	128.00	mg/kg	-	•	33.80	mg/kg	-	•	45.90	mg/kg	-		17.80	mg/kg	-
Potassium	U	434.00	mg/kg	U		11100.00	mg/kg	-	B	5940.00	mg/kg	-	B	627.00	mg/kg	-	U	434.00	mg/kg	U
Selenium	UEN	0.80	mg/kg	R	UNW	0.40	mg/kg	R	UNW	0.41	mg/kg	R	UEN	2.00	mg/kg	R	UWN	0.16	mg/kg	UJ
Silicon																				
Silver	U	0.68	mg/kg	U	BN	0.49	mg/kg	J	UN	0.41	mg/kg	R	UNW	0.41	mg/kg	R	U	0.68	mg/kg	U
Sodium	B*	673.00	mg/kg	J		6560.00	mg/kg	-		4440.00	mg/kg	-		1230.00	mg/kg	-	B*	640.00	mg/kg	J
Thallium	UN	1.80	mg/kg	UJ	BN	0.46	mg/kg	J	BN	0.27	mg/kg	J	BN	0.20	mg/kg	J	BWN	0.20	mg/kg	J
Vanadium	B	2.90	mg/kg	U		41.00	mg/kg	-		26.60	mg/kg	-		18.40	mg/kg	-	B	9.80	mg/kg	U
Zinc	EN*	6640.00	mg/kg	J	•	269.00	mg/kg	J	•	102.00	mg/kg	J	•	4960.00	mg/kg	J	EN*	55.90	mg/kg	J

000443

21273

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS			
Depth:					0-.5"								0-.5"							
Process Area:	5				6				6				7				7			
Sample:	8A-030				8A-036				8A-038				8A-040				8A-042			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		11900.00	mg/kg	-		4940.00	mg/kg	-		4040.00	mg/kg	-	*	9310.00	mg/kg	-		6160.00	mg/kg	-
Antimony	B*	9.30	mg/kg	-	•	18.00	mg/kg	-	•	177.00	mg/kg	-	U	7.20	mg/kg	U	UN	4.60	mg/kg	UJ
Arsenic		7.20	mg/kg	-		3.60	mg/kg	-		5.70	mg/kg	-	N	4.30	mg/kg	J	N*	27.30	mg/kg	J
Barium	N	167.00	mg/kg	J	N	571.00	mg/kg	J	N	1210.00	mg/kg	J	N	67.40	mg/kg	J		167.00	mg/kg	-
Beryllium	U	0.48	mg/kg	U	B	0.52	mg/kg	-	B	0.50	mg/kg	-		1.00	mg/kg	-		4.50	mg/kg	-
Cadmium	•	4.30	mg/kg	J	U*	0.54	mg/kg	UJ	*	14.90	mg/kg	J	U	0.60	mg/kg	U		26.50	mg/kg	-
Calcium		1650.00	mg/kg	-		190000.00	mg/kg	-		15400.00	mg/kg	-		166000.00	mg/kg	-		40600.00	mg/kg	-
Chromium		36.30	mg/kg	-		7.80	mg/kg	-		8470.00	mg/kg	-	UN	0.60	mg/kg	UJ		648.00	mg/kg	-
Cobalt	B	6.10	mg/kg	-	B	3.00	mg/kg	U		35.30	mg/kg	-	B	2.60	mg/kg	-		47.90	mg/kg	-
Copper		102.00	mg/kg	-		32.30	mg/kg	-		311.00	mg/kg	-	N*	59.60	mg/kg	J		704.00	mg/kg	-
Iron		41800.00	mg/kg	-		7580.00	mg/kg	-		27900.00	mg/kg	-	*	9680.00	mg/kg	-		275000.00	mg/kg	-
Lead		3200.00	mg/kg	-		80.30	mg/kg	-		69300.00	mg/kg	-	N*	12.60	mg/kg	J	•	1120.00	mg/kg	J
Magnesium		7000.00	mg/kg	-		50400.00	mg/kg	-		11600.00	mg/kg	-	*	38400.00	mg/kg	J	•	7160.00	mg/kg	-
Manganese		200.00	mg/kg	-		307.00	mg/kg	-		287.00	mg/kg	-	N*	264.00	mg/kg	J	•	1580.00	mg/kg	-
Mercury		0.25	mg/kg	-	U	0.05	mg/kg	U		0.25	mg/kg	-	U	0.10	mg/kg	U	N*	0.24	mg/kg	J
Molybdenum																				
Nickel	N	20.40	mg/kg	J	BN	6.30	mg/kg	J	N	48.70	mg/kg	J		8.70	mg/kg	-		442.00	mg/kg	-
Potassium	U	434.00	mg/kg	U	B	886.00	mg/kg	U		1020.00	mg/kg	U		19200.00	mg/kg	-		1680.00	mg/kg	-
Selenium	BWN	0.31	mg/kg	UJ	UWN	0.16	mg/kg	UJ	UEN	0.80	mg/kg	UJ	UWN	0.40	mg/kg	UJ	U	1.00	mg/kg	U
Silicon																				
Silver	U	0.68	mg/kg	U	U	0.68	mg/kg	U	U	0.68	mg/kg	U	N	7.00	mg/kg	J		41.60	mg/kg	-
Sodium	B	202.00	mg/kg	-	B	835.00	mg/kg	-		2340.00	mg/kg	-		4120.00	mg/kg	J		2070.00	mg/kg	-
Thallium	BWN	0.23	mg/kg	J	BWN	0.18	mg/kg	J	UN	0.90	mg/kg	UJ	UW	0.60	mg/kg	UJ	BW	0.79	mg/kg	J
Vanadium	B*	5.70	mg/kg	U	•	13.60	mg/kg	U	B*	7.40	mg/kg	U	U	1.00	mg/kg	U	U	0.62	mg/kg	U
Zinc	*	346.00	mg/kg	-	•	45.10	mg/kg	-	•	2480.00	mg/kg	-	N*	81.70	mg/kg	J	*	2810.00	mg/kg	J

000414

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"								0-.5"			
Process Area:	8				8				9				9				10			
Sample:	8A-049				8A-051				8A-053				8A-055				8A-062			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2840.00	mg/kg	-		17700.00	mg/kg	-		6560.00	mg/kg	-		2740.00	mg/kg	-		4090.00	mg/kg	-
Antimony	•	17.70	mg/kg	-	*	32.70	mg/kg	-	•	18.00	mg/kg	-		75.90	mg/kg	-	UN	1.10	mg/kg	R
Arsenic		4.80	mg/kg	-	S	8.60	mg/kg	-		4.20	mg/kg	-		11.50	mg/kg	-		4.90	mg/kg	J
Barium	N	5890.00	mg/kg	J	N	467.00	mg/kg	J	N	62.80	mg/kg	J	N	444.00	mg/kg	J	N*	709.00	mg/kg	J
Beryllium	U	0.48	mg/kg	U	U	0.48	mg/kg	U	B	0.56	mg/kg	-	U	0.48	mg/kg	U	U	0.02	mg/kg	U
Cadmium	*	11.90	mg/kg	J	*	7.40	mg/kg	J	•	2.90	mg/kg	J		13.60	mg/kg	-	EN	1.00	mg/kg	J
Calcium		60100.00	mg/kg	-		6370.00	mg/kg	-		164000.00	mg/kg	-		23500.00	mg/kg	-	E	172000.00	mg/kg	J
Chromium		169.00	mg/kg	-		1340.00	mg/kg	-		28.80	mg/kg	-	N	3650.00	mg/kg	-		8.20	mg/kg	-
Cobalt		20.10	mg/kg	-		19.40	mg/kg	-	B	3.00	mg/kg	U		25.40	mg/kg	-	E	1.90	mg/kg	J
Copper		443.00	mg/kg	-		143.00	mg/kg	-		46.60	mg/kg	-	N*	350.00	mg/kg	J		17.00	mg/kg	-
Iron		105000.00	mg/kg	-		70200.00	mg/kg	-		16300.00	mg/kg	-		24800.00	mg/kg	-		6530.00	mg/kg	-
Lead		508.00	mg/kg	-		90700.00	mg/kg	-		59.50	mg/kg	-	•	89000.00	mg/kg	J	E	10.80	mg/kg	J
Magnesium		48300.00	mg/kg	-		5650.00	mg/kg	-		38100.00	mg/kg	-		10700.00	mg/kg	-		22100.00	mg/kg	-
Manganese		1470.00	mg/kg	-		498.00	mg/kg	-		332.00	mg/kg	-		410.00	mg/kg	-	E	253.00	mg/kg	J
Mercury		1.30	mg/kg	-		0.15	mg/kg	-	B	0.07	mg/kg	-		0.29	mg/kg	-	UN	0.03	mg/kg	R
Molybdenum																				
Nickel	N	462.00	mg/kg	J	N	65.70	mg/kg	J	N	21.60	mg/kg	J		27.70	mg/kg	-	E	5.40	mg/kg	J
Potassium		11400.00	mg/kg	-	B	767.00	mg/kg	U		2030.00	mg/kg	U	B	799.00	mg/kg	U		1260.00	mg/kg	-
Selenium	BWN	0.30	mg/kg	UJ	U	0.80	mg/kg	UJ	UWN	0.80	mg/kg	UJ	UEN	0.80	mg/kg	UJ	SN	6.30	mg/kg	J
Silicon																				
Silver		17.40	mg/kg	-	U	0.68	mg/kg	U	U	0.68	mg/kg	U	U	0.68	mg/kg	U	UN	0.11	mg/kg	UJ
Sodium		3040.00	mg/kg	-	B	599.00	mg/kg	-		1010.00	mg/kg	-	•	1810.00	mg/kg	J		885.00	mg/kg	-
Thallium	UWN	0.18	mg/kg	UJ	UWN	0.90	mg/kg	UJ	UWN	0.18	mg/kg	UJ	UWN	1.80	mg/kg	UJ	UW	0.15	mg/kg	UJ
Vanadium	B*	2.10	mg/kg	U	B*	7.10	mg/kg	U	*	16.60	mg/kg	U	B	4.30	mg/kg	U		7.70	mg/kg	-
Zinc	•	122.00	mg/kg	-	*	2540.00	mg/kg	-	*	248.00	mg/kg	-	EN*	4800.00	mg/kg	J		36.10	mg/kg	-

000345

82123

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				STEEL COATINGS				CONCRETE CORE			
Depth:					0-.5"												0-.5"			
Process Area:	10				11				11				11				12			
Sample:	8A-064				8A-066				8A-068				8A-069 DUP				8A-072			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2910.00	mg/kg	-		4990.00	mg/kg	-		2650.00	mg/kg	-		2370.00	mg/kg	-		4650.00	mg/kg	-
Antimony	N	20.40	mg/kg	J	*	15.80	mg/kg	-	N	150.00	mg/kg	J	N	145.00	mg/kg	J	UN	6.20	mg/kg	UJ
Arsenic	*E	35.80	mg/kg	J		3.90	mg/kg	-	N*	65.50	mg/kg	J	N*	138.00	mg/kg	J	+	3.70	mg/kg	J
Barium	N*	114.00	mg/kg	J	N	1430.00	mg/kg	J		439.00	mg/kg	-		404.00	mg/kg	-		3840.00	mg/kg	-
Beryllium	U	0.02	mg/kg	U	B	0.55	mg/kg	-		3.80	mg/kg	-		3.50	mg/kg	-	B	0.30	mg/kg	U
Cadmium	EN	12.40	mg/kg	J	B*	0.70	mg/kg	J		2.60	mg/kg	-		2.70	mg/kg	-	U*	0.52	mg/kg	UJ
Calcium	E	12600.00	mg/kg	J		167000.00	mg/kg	-		9840.00	mg/kg	-		8720.00	mg/kg	-		185000.00	mg/kg	-
Chromium		3410.00	mg/kg	-		8.10	mg/kg	-		11500.00	mg/kg	-		10300.00	mg/kg	-	*	8.90	mg/kg	-
Cobalt	E	29.20	mg/kg	J	B	3.30	mg/kg	U		68.10	mg/kg	-		76.60	mg/kg	-	B	3.70	mg/kg	-
Copper		251.00	mg/kg	-		19.00	mg/kg	-		1250.00	mg/kg	-		1540.00	mg/kg	-		65.20	mg/kg	-
Iron		39700.00	mg/kg	-		7180.00	mg/kg	-		257000.00	mg/kg	-		296000.00	mg/kg	-		8490.00	mg/kg	-
Lead	E	102000.00	mg/kg	J	S	7.30	mg/kg	-	•	69200.00	mg/kg	J	*	59600.00	mg/kg	J	*	28.50	mg/kg	J
Magnesium		7030.00	mg/kg	-		43200.00	mg/kg	-	*	4470.00	mg/kg	-	*	3900.00	mg/kg	-		43600.00	mg/kg	-
Manganese	E	279.00	mg/kg	J		405.00	mg/kg	-	*	3620.00	mg/kg	-	*	4660.00	mg/kg	-		331.00	mg/kg	-
Mercury	N	1.30	mg/kg	J	B	0.09	mg/kg	-	N*	0.64	mg/kg	J	N*	0.56	mg/kg	J	BN	0.06	mg/kg	U
Molybdenum																				
Nickel	E	45.70	mg/kg	J	UN	3.60	mg/kg	U		334.00	mg/kg	-		436.00	mg/kg	-		14.40	mg/kg	-
Potassium		505.00	mg/kg	-		1590.00	mg/kg	U	B	504.00	mg/kg	-	B	371.00	mg/kg	-	B	756.00	mg/kg	-
Selenium	N*	9.80	mg/kg	R	UWN	0.16	mg/kg	UJ	U	1.00	mg/kg	U	U	1.00	mg/kg	U	UNW	0.70	mg/kg	R
Silicon																				
Silver	N	3.60	mg/kg	J	U	0.68	mg/kg	U		20.70	mg/kg	-		20.80	mg/kg	-	UN*	1.20	mg/kg	UJ
Sodium		1310.00	mg/kg	-		1790.00	mg/kg	-		1240.00	mg/kg	-		1310.00	mg/kg	-	B	510.00	mg/kg	-
Thallium	U	1.50	mg/kg	U	UWN	0.18	mg/kg	UJ	B	0.28	mg/kg	U	BW	0.21	mg/kg	UJ	UNW	0.08	mg/kg	UJ
Vanadium		11.70	mg/kg	-	*	13.50	mg/kg	U		23.30	mg/kg	-		27.90	mg/kg	-		12.40	mg/kg	-
Zinc		7410.00	mg/kg	-	•	76.90	mg/kg	-	•	744.00	mg/kg	J	*	764.00	mg/kg	J		71.00	mg/kg	-

00074G

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CORE			
Depth:	.5-1"				1-4"				0-.5"								0-.5"			
Process Area:	12				12				12				12				13			
Sample:	8A-073				8A-074				8A-075 DUP				8A-078				8A-080			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4400.00	mg/kg	-		3890.00	mg/kg	-		5110.00	mg/kg	-		4120.00	mg/kg	-		5440.00	mg/kg	-
Antimony	UN	6.20	mg/kg	UJ	UN	6.20	mg/kg	UJ	UN	6.20	mg/kg	UJ	BN	6.70	mg/kg	UJ	BN	11.30	mg/kg	UJ
Arsenic	+	3.50	mg/kg	J	S	3.30	mg/kg	-	S	6.20	mg/kg	-	S	25.70	mg/kg	-		3.00	mg/kg	-
Barium		342.00	mg/kg	-	B	36.90	mg/kg	-		3000.00	mg/kg	-	*	130.00	mg/kg	-		83.50	mg/kg	-
Beryllium	B	0.16	mg/kg	U	B	0.12	mg/kg	U	B	0.30	mg/kg	U	B	0.40	mg/kg	U	B	0.31	mg/kg	U
Cadmium	U*	0.52	mg/kg	UJ	U*	0.52	mg/kg	UJ	U*	0.52	mg/kg	UJ		1.80	mg/kg	U	U*	0.52	mg/kg	UJ
Calcium		188000.00	mg/kg	-	B	164.00	mg/kg	-		188000.00	mg/kg	-		7790.00	mg/kg	-		170000.00	mg/kg	-
Chromium	•	7.90	mg/kg	-	•	6.60	mg/kg	-	•	9.40	mg/kg	-		145.00	mg/kg	-	•	10.50	mg/kg	-
Cobalt	B	2.10	mg/kg	-	B	1.60	mg/kg	-	B	3.70	mg/kg	-		36.70	mg/kg	-	B	2.40	mg/kg	-
Copper		9.10	mg/kg	-		5.30	mg/kg	-		46.80	mg/kg	-	N	199.00	mg/kg	J		16.80	mg/kg	-
Iron		7350.00	mg/kg	-		6230.00	mg/kg	-		7910.00	mg/kg	-		356000.00	mg/kg	-		8560.00	mg/kg	-
Lead	•	4.20	mg/kg	J	*	3.90	mg/kg	J	•	14.70	mg/kg	J		2230.00	mg/kg	-	•	18.90	mg/kg	J
Magnesium		48200.00	mg/kg	-		62300.00	mg/kg	-		45200.00	mg/kg	-		2340.00	mg/kg	-		53500.00	mg/kg	-
Manganese		306.00	mg/kg	-		286.00	mg/kg	-		302.00	mg/kg	-		2060.00	mg/kg	-		524.00	mg/kg	-
Mercury	BN	0.06	mg/kg	-	BN	0.07	mg/kg	-	BN	0.06	mg/kg	-	N*	0.29	mg/kg	-	N	0.13	mg/kg	-
Molybdenum																				
Nickel	B	7.10	mg/kg	-	B	4.50	mg/kg	-		15.20	mg/kg	-		59.40	mg/kg	-		10.20	mg/kg	-
Potassium	B	638.00	mg/kg	-	B	678.00	mg/kg	-	B	879.00	mg/kg	-	B	492.00	mg/kg	U		2230.00	mg/kg	-
Selenium	UNW	0.70	mg/kg	R	UNW	0.70	mg/kg	R	UNW	0.70	mg/kg	R	BNS	0.17	mg/kg	UJ	UNW	0.70	mg/kg	R
Silicon																				
Silver	UN*	1.20	mg/kg	UJ	UN*	1.20	mg/kg	UJ	UN*	1.20	mg/kg	UJ		5.70	mg/kg	-	UN*	1.20	mg/kg	UJ
Sodium	B	404.00	mg/kg	-	B	420.00	mg/kg	-	B	492.00	mg/kg	-	BE	709.00	mg/kg	J		1090.00	mg/kg	-
Thallium	UNW	0.08	mg/kg	UJ	UNW	0.08	mg/kg	UJ	UNW	0.08	mg/kg	UJ	BN	0.18	mg/kg	J	UNW	0.08	mg/kg	UJ
Vanadium		10.50	mg/kg	-	B	9.50	mg/kg	-		12.10	mg/kg	-	E	34.50	mg/kg	J		12.30	mg/kg	-
Zinc		19.00	mg/kg	-		13.90	mg/kg	-		57.50	mg/kg	-		458.00	mg/kg	-		44.20	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	.5-1"				1-4"				0-.5"								0-.5"			
Process Area:	13				13				13				13				14			
Sample:	8A-081				8A-082				8A-084				8A-086				8A-092			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5090.00	mg/kg	-		5490.00	mg/kg	-	E	2060.00	mg/kg	J	E	3950.00	mg/kg	J		5910.00	mg/kg	-
Antimony	UN	6.20	mg/kg	UJ	N	13.70	mg/kg	UJ	UN	2.50	mg/kg	R	UN	2.60	mg/kg	R	B*	10.90	mg/kg	-
Arsenic		2.90	mg/kg	-		2.90	mg/kg	-	B	2.00	mg/kg	-	S	26.90	mg/kg	-		6.20	mg/kg	-
Barium		48.00	mg/kg	-		71.20	mg/kg	-		357.00	mg/kg	-		532.00	mg/kg	-	N	108.00	mg/kg	J
Beryllium	B	0.20	mg/kg	U	B	0.69	mg/kg	U	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	B	0.58	mg/kg	-
Cadmium	U*	0.52	mg/kg	UJ	*	2.60	mg/kg	UJ	E	0.50	mg/kg	UJ	E	12.60	mg/kg	J	*	2.20	mg/kg	J
Calcium		172000.00	mg/kg	-		169000.00	mg/kg	-	E	8250.00	mg/kg	J	E	13500.00	mg/kg	J		184000.00	mg/kg	-
Chromium	*	9.00	mg/kg	-	*	11.50	mg/kg	-	*	306.00	mg/kg	J	*	6650.00	mg/kg	J		18.60	mg/kg	-
Cobalt	B	2.00	mg/kg	-	B	3.10	mg/kg	-	BE	2.00	mg/kg	J	E	36.90	mg/kg	J	B	4.70	mg/kg	-
Copper		7.60	mg/kg	-		10.60	mg/kg	-	*	91.80	mg/kg	J	*	2310.00	mg/kg	J		69.00	mg/kg	-
Iron		7210.00	mg/kg	-		7560.00	mg/kg	-	*	5580.00	mg/kg	J	*	65500.00	mg/kg	J		9840.00	mg/kg	-
Lead	*	4.00	mg/kg	J	*	4.90	mg/kg	J		1670.00	mg/kg	-		120000.00	mg/kg	-		185.00	mg/kg	-
Magnesium		48300.00	mg/kg	-		53800.00	mg/kg	-	E	1280.00	mg/kg	J	E	3940.00	mg/kg	J		36100.00	mg/kg	-
Manganese		289.00	mg/kg	-		341.00	mg/kg	-	E	113.00	mg/kg	J	E	457.00	mg/kg	J		409.00	mg/kg	-
Mercury	UN	0.05	mg/kg	U	BN	0.07	mg/kg	-	*	0.62	mg/kg	J	*	0.33	mg/kg	J		0.14	mg/kg	-
Molybdenum																				
Nickel	B	6.50	mg/kg	-		11.10	mg/kg	-	E	13.20	mg/kg	J	E	52.50	mg/kg	J	N	21.30	mg/kg	J
Potassium	B	816.00	mg/kg	-		2240.00	mg/kg	-		1030.00	mg/kg	-		311.00	mg/kg	-	B	996.00	mg/kg	U
Selenium	UNW	0.70	mg/kg	R	UNW	0.70	mg/kg	R	UMW	0.10	mg/kg	UJ	+N	1.00	mg/kg	UJ	UWN	0.16	mg/kg	UJ
Silicon																				
Silver	UN*	1.20	mg/kg	UJ	N*	8.40	mg/kg	J	N	1.80	mg/kg	-	N	2.30	mg/kg	-	U	0.68	mg/kg	-
Sodium	B	486.00	mg/kg	-	B	640.00	mg/kg	-		390.00	mg/kg	-		670.00	mg/kg	-		1070.00	mg/kg	-
Thallium	UNW	0.08	mg/kg	UJ	UNW	0.08	mg/kg	UJ	UWN	0.11	mg/kg	R	UEN	1.10	mg/kg	R	UN	0.18	mg/kg	UJ
Vanadium		10.70	mg/kg	-		13.70	mg/kg	-	E	5.80	mg/kg	J	E	14.70	mg/kg	J	*	16.40	mg/kg	U
Zinc		20.20	mg/kg	-		26.60	mg/kg	-		58.20	mg/kg	-		4730.00	mg/kg	-	*	219.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:					0-.5"				.5-1"				1-4"							
Process Area:	14				16				16				16				16			
Sample:	8A-094				8A-096				8A-097				8A-098				8A-100			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2780.00	mg/kg	-		5050.00	mg/kg	-		4040.00	mg/kg	-		4230.00	mg/kg	-		2790.00	mg/kg	-
Antimony	•	30.80	mg/kg	-	UN	2.50	mg/kg	UJ	UN	2.40	mg/kg	UJ	BN	2.80	mg/kg	J	N	51.60	mg/kg	J
Arsenic	S	55.00	mg/kg	-	N	2.90	mg/kg	J	N	2.40	mg/kg	J	BN	1.80	mg/kg	J	U	0.49	mg/kg	U
Barium	N	900.00	mg/kg	J		66.70	mg/kg	-		29.20	mg/kg	-		26.40	mg/kg	-		103.00	mg/kg	-
Beryllium		1.40	mg/kg	-	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	B	0.98	mg/kg	-
Cadmium	*	10.80	mg/kg	J	NE	0.32	mg/kg	UJ	BN	0.23	mg/kg	UJ	BN	0.30	mg/kg	UJ		3.00	mg/kg	-
Calcium		19800.00	mg/kg	-	E	169000.00	mg/kg	J	E	166000.00	mg/kg	J	E	193000.00	mg/kg	J		5590.00	mg/kg	-
Chromium		224.00	mg/kg	-	E	9.50	mg/kg	J	E	8.30	mg/kg	J	E	7.90	mg/kg	J		3790.00	mg/kg	-
Cobalt	B	41.10	mg/kg	-	E	3.50	mg/kg	J	E	2.60	mg/kg	J	BE	2.60	mg/kg	J		19.70	mg/kg	-
Copper		802.00	mg/kg	-		8.60	mg/kg	-		5.60	mg/kg	-		5.00	mg/kg	-		179.00	mg/kg	-
Iron		426000.00	mg/kg	-		5340.00	mg/kg	-		4540.00	mg/kg	-		4920.00	mg/kg	-		101000.00	mg/kg	-
Lead		683.00	mg/kg	-	W*	10.20	mg/kg	J	•	4.10	mg/kg	UJ	•	3.20	mg/kg	UJ		71000.00	mg/kg	-
Magnesium		4770.00	mg/kg	-		36900.00	mg/kg	-		46500.00	mg/kg	-		39000.00	mg/kg	-		6810.00	mg/kg	-
Manganese		3140.00	mg/kg	-	E	173.00	mg/kg	J	E	195.00	mg/kg	J	E	234.00	mg/kg	J	•	972.00	mg/kg	J
Mercury		0.56	mg/kg	-	UN	0.01	mg/kg	R	UN	0.01	mg/kg	R	UN	0.01	mg/kg	R		0.27	mg/kg	-
Molybdenum																				
Nickel	N	225.00	mg/kg	J	E	5.40	mg/kg	J	E	4.50	mg/kg	J	E	3.80	mg/kg	J		48.60	mg/kg	-
Potassium	B	701.00	mg/kg	U		771.00	mg/kg	-		660.00	mg/kg	-		761.00	mg/kg	-	B	815.00	mg/kg	-
Selenium	BWN	0.18	mg/kg	UJ	UWN	0.24	mg/kg	R	UWN	0.25	mg/kg	R	UWN	0.24	mg/kg	R		4.90	mg/kg	-
Silicon																				
Silver	U	0.68	mg/kg	U	U*	0.20	mg/kg	UJ	•	0.57	mg/kg	J	•	0.83	mg/kg	J		4.40	mg/kg	U
Sodium		2670.00	mg/kg	-		554.00	mg/kg	-		464.00	mg/kg	-		418.00	mg/kg	-	B	789.00	mg/kg	-
Thallium	U	0.18	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UWN	0.32	mg/kg	UJ	UN	0.31	mg/kg	UJ	U	0.73	mg/kg	U
Vanadium	B*	41.80	mg/kg	-	N	9.90	mg/kg	J	NE	8.90	mg/kg	J	N	8.50	mg/kg	J		21.40	mg/kg	-
Zinc	•	1090.00	mg/kg	-		27.80	mg/kg	-		13.90	mg/kg	-		11.30	mg/kg	-		2460.00	mg/kg	-

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 8B - Plant 8 Maintenance Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	8B-003				8B-004				8B-006				8B-007 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		3380.00	mg/kg	-		4250.00	mg/kg	-		4170.00	mg/kg	-		3760.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R	UN	2.20	mg/kg	R	UN	2.30	mg/kg	R	UN	2.40	mg/kg	R
Arsenic	N	2.40	mg/kg	J	N	3.70	mg/kg	J	N	2.30	mg/kg	J	N	2.00	mg/kg	J
Barium	E	26.60	mg/kg	J	E	73.10	mg/kg	J	E	44.50	mg/kg	J	E	35.30	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	UN	0.09	mg/kg	UJ	N	0.33	mg/kg	UJ	N	1.20	mg/kg	J	N	0.82	mg/kg	UJ
Calcium		166000.00	mg/kg	-		158000.00	mg/kg	-		152000.00	mg/kg	-		158000.00	mg/kg	-
Chromium		7.20	mg/kg	-		8.00	mg/kg	-		12.00	mg/kg	-		8.90	mg/kg	-
Cobalt	N	2.50	mg/kg	J	N	2.40	mg/kg	J	N	5.10	mg/kg	J	N	3.80	mg/kg	J
Copper	N	5.90	mg/kg	J	N	14.40	mg/kg	J	N	19.90	mg/kg	J	N	14.50	mg/kg	J
Iron	E	4340.00	mg/kg	J	E	5650.00	mg/kg	J	E	6650.00	mg/kg	J	E	5360.00	mg/kg	J
Lead	•	9.70	mg/kg	J	•	11.80	mg/kg	J	•	1030.00	mg/kg	J	•	725.00	mg/kg	J
Magnesium	E	44100.00	mg/kg	J	E	36100.00	mg/kg	J	E	32900.00	mg/kg	J	E	39100.00	mg/kg	J
Manganese	E	257.00	mg/kg	J	E	363.00	mg/kg	-	E	218.00	mg/kg	J	E	187.00	mg/kg	J
Mercury	N	0.25	mg/kg	J	BN	0.04	mg/kg	J	N	0.42	mg/kg	J	N	0.35	mg/kg	J
Molybdenum																
Nickel	N	5.50	mg/kg	J	N	5.00	mg/kg	J	N	10.40	mg/kg	J	N	8.00	mg/kg	J
Potassium		874.00	mg/kg	-		2110.00	mg/kg	-		788.00	mg/kg	-		750.00	mg/kg	-
Selenium	SN	1.40	mg/kg	J	SN	2.30	mg/kg	J	SN	1.50	mg/kg	J	NW	0.66	mg/kg	J
Silicon																
Silver	U	0.19	mg/kg	U	U	0.18	mg/kg	U	B	0.23	mg/kg	-	U	0.20	mg/kg	U
Sodium		321.00	mg/kg	-		1160.00	mg/kg	-		402.00	mg/kg	-		370.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ	UWN	0.30	mg/kg	UJ	UWN	0.30	mg/kg	UJ	UWN	0.31	mg/kg	UJ
Vanadium		7.50	mg/kg	-		9.00	mg/kg	-		9.70	mg/kg	-		9.10	mg/kg	-
Zinc	EN	21.60	mg/kg	J	EN	21.00	mg/kg	J	EN	347.00	mg/kg	J	EN	236.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 8C - Rotary Kiln/Drum Reconditioning
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				2			
Sample:	8C-003				8C-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		6250.00	mg/kg	-		5710.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ	UN	9.30	mg/kg	UJ
Arsenic		7.20	mg/kg	-		2.30	mg/kg	-
Barium		147.00	mg/kg	-		130.00	mg/kg	-
Beryllium	B	0.42	mg/kg	-	B	0.27	mg/kg	-
Cadmium	B	0.79	mg/kg	U	U	0.60	mg/kg	U
Calcium		194000.00	mg/kg	-		183000.00	mg/kg	-
Chromium		12.60	mg/kg	-		10.70	mg/kg	-
Cobalt	B	3.00	mg/kg	-	B	3.20	mg/kg	-
Copper		8.30	mg/kg	-		7.40	mg/kg	-
Iron	E	7840.00	mg/kg	J	E	7940.00	mg/kg	J
Lead	N*	5.00	mg/kg	J	N*	5.30	mg/kg	J
Magnesium		33700.00	mg/kg	-		34900.00	mg/kg	-
Manganese	E	350.00	mg/kg	J	E	304.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U
Molybdenum								
Nickel		11.60	mg/kg	-		9.80	mg/kg	-
Potassium		1140.00	mg/kg	-		1630.00	mg/kg	-
Selenium	U	0.62	mg/kg	U	UW	0.61	mg/kg	UJ
Silicon								
Silver	U	0.83	mg/kg	U	U	0.81	mg/kg	U
Sodium	B	556.00	mg/kg	J	B	749.00	mg/kg	J
Thallium	U	0.83	mg/kg	U	U	0.81	mg/kg	U
Vanadium		12.30	mg/kg	-		11.30	mg/kg	-
Zinc	*	83.10	mg/kg	-	*	43.00	mg/kg	-

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Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 8F - Plant 8 Old Drum Washer
Analytical Results - Metals

Material:	STEEL COATINGS
Depth:	
Process Area:	1
Sample:	8F-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		1260.00	mg/kg	-
Antimony	B	6.00	mg/kg	U
Arsenic	B	2.50	mg/kg	-
Barium	•	262.00	mg/kg	-
Beryllium	B	0.07	mg/kg	U
Cadmium		2.10	mg/kg	-
Calcium	•	13300.00	mg/kg	J
Chromium	•	216.00	mg/kg	J
Cobalt	B	7.90	mg/kg	-
Copper	•	339.00	mg/kg	J
Iron	•	16700.00	mg/kg	J
Lead		219.00	mg/kg	-
Magnesium		6760.00	mg/kg	-
Manganese	•	128.00	mg/kg	J
Mercury		0.13	mg/kg	U
Molybdenum				
Nickel	•	30.80	mg/kg	-
Potassium	U	658.00	mg/kg	U
Selenium	UN	3.70	mg/kg	U
Silicon				
Silver	U	0.71	mg/kg	U
Sodium	B	450.00	mg/kg	-
Thallium	U	1.50	mg/kg	U
Vanadium	B	7.40	mg/kg	-
Zinc	•	613.00	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"				.5-1"				1-4"								0-.5"			
Process Area:	1				1				1				1				2			
Sample:	9A-003				9A-004				9A-005				9A-006A				9A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6260.00	mg/kg	-		6670.00	mg/kg	-		6540.00	mg/kg	-		2920.00	mg/kg	-		5270.00	mg/kg	-
Antimony	UN	70.40	mg/kg	U	UN	70.40	mg/kg	U	UN	70.40	mg/kg	U	U	0.82	mg/kg	U	UN	70.40	mg/kg	U
Arsenic	BN*	8.50	mg/kg	J	BN*	6.30	mg/kg	J	BWN	4.50	mg/kg	J		5.60	mg/kg	-	BN*	3.90	mg/kg	J
Barium	B	106.00	mg/kg	-	B	114.00	mg/kg	-	B	87.10	mg/kg	-		246.00	mg/kg	-	B	46.60	mg/kg	-
Beryllium	U	4.80	mg/kg	-	U	4.80	mg/kg	U	U	4.80	mg/kg	U		1.70	mg/kg	-	U	4.80	mg/kg	U
Cadmium	U*	5.40	mg/kg	UJ	U*	5.40	mg/kg	UJ	B*	7.80	mg/kg	J		97.10	mg/kg	-	U*	5.40	mg/kg	UJ
Calcium		111000.00	mg/kg	-		120000.00	mg/kg	-		169000.00	mg/kg	-		21400.00	mg/kg	-		148000.00	mg/kg	-
Chromium		34.80	mg/kg	-	B	18.30	mg/kg	-	B	12.50	mg/kg	-		13600.00	mg/kg	-	U	6.00	mg/kg	U
Cobalt	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.60	mg/kg	U		91.60	mg/kg	-	U	7.60	mg/kg	U
Copper		78.00	mg/kg	U	B	35.30	mg/kg	U	B	21.10	mg/kg	U		103.00	mg/kg	-	B	27.80	mg/kg	U
Iron	•	49500.00	mg/kg	J	•	37400.00	mg/kg	J	•	22000.00	mg/kg	J		55800.00	mg/kg	-	•	16100.00	mg/kg	J
Lead	S	97.60	mg/kg	-	S	33.50	mg/kg	-	S	11.70	mg/kg	-		10400.00	mg/kg	-	S	15.00	mg/kg	U
Magnesium		10500.00	mg/kg	-		10400.00	mg/kg	-		33900.00	mg/kg	-		7060.00	mg/kg	-		29400.00	mg/kg	-
Manganese	N*	600.00	mg/kg	J	N*	531.00	mg/kg	J	N*	476.00	mg/kg	J		358.00	mg/kg	-	N*	349.00	mg/kg	J
Mercury	UN*	0.05	mg/kg	UJ	UN*	0.05	mg/kg	UJ	UN*	0.05	mg/kg	UJ		0.84	mg/kg	-	UN*	0.05	mg/kg	UJ
Molybdenum																				
Nickel	BN*	60.90	mg/kg	UJ	UN*	35.60	mg/kg	U	UN*	35.60	mg/kg	U		34.50	mg/kg	-	UN*	35.60	mg/kg	U
Potassium	U	4340.00	mg/kg	U	U	4340.00	mg/kg	U	U	4340.00	mg/kg	U		5650.00	mg/kg	-	U	4340.00	mg/kg	U
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UEN	1.00	mg/kg	R	UN	2.20	mg/kg	U
Silicon																				
Silver	U	6.80	mg/kg	U	B	6.90	mg/kg	-	B	17.20	mg/kg	-	UW	0.20	mg/kg	UJ	U	6.80	mg/kg	U
Sodium	B	699.00	mg/kg	U	B	482.00	mg/kg	U	B	518.00	mg/kg	U	B	804.00	mg/kg	-	B	676.00	mg/kg	U
Thallium	UN	1.80	mg/kg	UJ	UN	1.80	mg/kg	UJ	UN	1.80	mg/kg	UJ	U	0.20	mg/kg	U	UN	1.80	mg/kg	UJ
Vanadium	UN	5.00	mg/kg	UJ	BN	16.90	mg/kg	UJ	BN	32.00	mg/kg	UJ		35.00	mg/kg	-	UN	5.00	mg/kg	UJ
Zinc		63.40	mg/kg	U	B	33.20	mg/kg	U	B	27.10	mg/kg	U		22500.00	mg/kg	-		199.00	mg/kg	-

00423

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK			
Depth:					0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	2				3				3				3				3			
Sample:	9A-011A				9A-015A				9A-016A				9A-017A				9A-018A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2160.00	mg/kg	-		4830.00	mg/kg	-		5520.00	mg/kg	-		5220.00	mg/kg	-		1370.00	mg/kg	-
Antimony	BN	80.40	mg/kg	J	U	0.81	mg/kg	U	U	0.82	mg/kg	U	U	0.83	mg/kg	U	U	0.81	mg/kg	U
Arsenic	BN*	4.70	mg/kg	J	U+	0.40	mg/kg	R	W	4.20	mg/kg	J	U+	0.41	mg/kg	R		2.00	mg/kg	-
Barium	B	103.00	mg/kg	-	B	38.60	mg/kg	-		54.40	mg/kg	-	B	38.40	mg/kg	-	B	31.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U	B	0.88	mg/kg	-		2.20	mg/kg	-		2.10	mg/kg	-	B	0.95	mg/kg	-
Cadmium	*	36.50	mg/kg	J		1.40	mg/kg	-	U	1.00	mg/kg	U		2.40	mg/kg	-	U	1.00	mg/kg	U
Calcium		16400.00	mg/kg	-		267000.00	mg/kg	-		184000.00	mg/kg	-		200000.00	mg/kg	-		2000.00	mg/kg	-
Chromium		7570.00	mg/kg	-		13.00	mg/kg	-		26.80	mg/kg	-		8.90	mg/kg	-		407.00	mg/kg	-
Cobalt	B	66.90	mg/kg	-	B	3.50	mg/kg	-	B	4.00	mg/kg	-	B	4.30	mg/kg	-	B	2.00	mg/kg	-
Copper		923.00	mg/kg	-		49.60	mg/kg	-		10.50	mg/kg	U		11.50	mg/kg	U		1780.00	mg/kg	-
Iron	*	61700.00	mg/kg	J		7290.00	mg/kg	-		8900.00	mg/kg	-		9590.00	mg/kg	-		10900.00	mg/kg	-
Lead		22900.00	mg/kg	-	*	5.60	mg/kg	-	*	2.80	mg/kg	-	*	3.60	mg/kg	-		66.10	mg/kg	-
Magnesium	B	2860.00	mg/kg	-		38200.00	mg/kg	-		62200.00	mg/kg	-		45600.00	mg/kg	-	B	597.00	mg/kg	-
Manganese	N*	558.00	mg/kg	J		342.00	mg/kg	-		479.00	mg/kg	-		325.00	mg/kg	-		65.90	mg/kg	-
Mercury	N*	0.74	mg/kg	J	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel	N*	92.30	mg/kg	J		12.00	mg/kg	-		11.30	mg/kg	-		12.30	mg/kg	-		105.00	mg/kg	-
Potassium	U	4340.00	mg/kg	U		3540.00	mg/kg	-		1890.00	mg/kg	-		1190.00	mg/kg	-		1780.00	mg/kg	-
Selenium	BWN	2.80	mg/kg	U	UN	0.20	mg/kg	UJ	UN	0.21	mg/kg	UJ	UNW	0.21	mg/kg	UJ	UEN	1.00	mg/kg	UJ
Silicon																				
Silver	U	6.80	mg/kg	U	U	0.20	mg/kg	U	U	0.21	mg/kg	U	B	1.10	mg/kg	U	U	0.20	mg/kg	U
Sodium	B	934.00	mg/kg	U		2380.00	mg/kg	-		1370.00	mg/kg	-	B	434.00	mg/kg	-	B	384.00	mg/kg	-
Thallium	UN	1.80	mg/kg	UJ	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	0.21	mg/kg	U	U	0.20	mg/kg	U
Vanadium	UN	5.00	mg/kg	UJ		17.80	mg/kg	-		21.30	mg/kg	-		16.20	mg/kg	-	B	5.60	mg/kg	-
Zinc		14200.00	mg/kg	-		222.00	mg/kg	-		48.90	mg/kg	U		23.10	mg/kg	U		94.40	mg/kg	-

DOE-0824

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				TRANSITE				CONCRETE CORE			
Depth:					0-.5"												0-.5"			
Process Area:	3				4				4				4				5			
Sample:	9A-019A				9A-024				9A-025A				9A-028(TCLP)				9A-030			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		16400.00	mg/kg	-		4800.00	mg/kg	-		1390.00	mg/kg	-						5620.00	mg/kg	-
Antimony	UN	70.40	mg/kg	U	U	0.82	mg/kg	U	N	232.00	mg/kg	J					U	2.00	mg/kg	U
Arsenic	BN*	4.40	mg/kg	J	U+	0.41	mg/kg	UJ	BN*	4.70	mg/kg	J	U	0.1000	mg/L	UJ	B	3.70	mg/kg	-
Barium	B	106.00	mg/kg	-		59.30	mg/kg	-	B	19.80	mg/kg	U		0.4100	mg/L	U		4800.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U		1.40	mg/kg	-	U	4.80	mg/kg	U					U	4.80	mg/kg	U
Cadmium	U*	5.40	mg/kg	UJ		2.30	mg/kg	-	B*	6.00	mg/kg	J	U	0.0050	mg/L	U	UN	5.40	mg/kg	U
Calcium		12200.00	mg/kg	U		191000.00	mg/kg	-		11000.00	mg/kg	U						188000.00	mg/kg	-
Chromium		2140.00	mg/kg	-		82.70	mg/kg	-		10400.00	mg/kg	-		0.0550	mg/L	-	U*	6.00	mg/kg	U
Cobalt	B	53.00	mg/kg	-		12.10	mg/kg	-	B	19.00	mg/kg	-					U	7.60	mg/kg	U
Copper		871.00	mg/kg	-		489.00	mg/kg	-		95.60	mg/kg	U					B	16.40	mg/kg	U
Iron	*	46900.00	mg/kg	J		10600.00	mg/kg	-	•	85600.00	mg/kg	J						9980.00	mg/kg	-
Lead	S	36200.00	mg/kg	-		184.00	mg/kg	-		76400.00	mg/kg	-	U	0.1000	mg/L	U	BN*	5.70	mg/kg	UJ
Magnesium	B	1580.00	mg/kg	U		44400.00	mg/kg	-	B	2310.00	mg/kg	U						48000.00	mg/kg	-
Manganese	N*	249.00	mg/kg	J		356.00	mg/kg	-	N*	770.00	mg/kg	J						457.00	mg/kg	-
Mercury	N*	0.58	mg/kg	J	B	0.07	mg/kg	U	N*	3.50	mg/kg	J	U	0.0020	mg/L	U	B	0.07	mg/kg	-
Molybdenum																				
Nickel	BN*	50.00	mg/kg	J		23.30	mg/kg	-	BN*	49.30	mg/kg	J					B	54.80	mg/kg	-
Potassium	U	4340.00	mg/kg	U		1200.00	mg/kg	-	U	4340.00	mg/kg	U					U	4340.00	mg/kg	U
Selenium	UN	2.20	mg/kg	U	UEN	1.00	mg/kg	UJ	UN	11.00	mg/kg	U	U	0.2500	mg/L	U	UN	2.20	mg/kg	U
Silicon																				
Silver	B	7.00	mg/kg	-	U	0.21	mg/kg	U	U	6.80	mg/kg	U	U	0.0100	mg/L	UJ	U	6.80	mg/kg	U
Sodium	B	595.00	mg/kg	U	B	558.00	mg/kg	-	B	767.00	mg/kg	U					B	1400.00	mg/kg	U
Thallium	UN	1.80	mg/kg	UJ	U	0.21	mg/kg	U	UWN	1.80	mg/kg	UJ					U	1.00	mg/kg	U
Vanadium	UN	5.00	mg/kg	UJ		120.00	mg/kg	-	UN	5.00	mg/kg	UJ					U	5.00	mg/kg	U
Zinc		3240.00	mg/kg	-		102.00	mg/kg	-		2630.00	mg/kg	-						213.00	mg/kg	-

000425

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				ACID BRICK				STEEL COATINGS				CONCRETE CORE			
Depth:	.5-1"				1-4"				0-.5"								0-.5"			
Process Area:	5				5				5				5				6			
Sample:	9A-031				9A-032				9A-033				9A-035A				9A-037			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6380.00	mg/kg	-		5750.00	mg/kg	-		576.00	mg/kg	U		5870.00	mg/kg	-		4420.00	mg/kg	-
Antimony	UW	2.00	mg/kg	U	U	2.00	mg/kg	U	U	2.00	mg/kg	U	UN	2.00	mg/kg	R	U	2.00	mg/kg	U
Arsenic	BW	5.90	mg/kg	J	BW	4.00	mg/kg	J	U	1.60	mg/kg	U	UN	1.60	mg/kg	UJ	B	4.80	mg/kg	-
Barium		783.00	mg/kg	-	B	82.40	mg/kg	-		914.00	mg/kg	-	B	128.00	mg/kg	-		470.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U
Cadmium	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U	N*	10.80	mg/kg	J	UN	5.40	mg/kg	U
Calcium		213000.00	mg/kg	-		223000.00	mg/kg	-	B	2370.00	mg/kg	U	B	9140.00	mg/kg	U		196000.00	mg/kg	-
Chromium	B*	13.00	mg/kg	U	B*	10.60	mg/kg	U	*	404.00	mg/kg	-		6300.00	mg/kg	-	B*	6.10	mg/kg	U
Cobalt	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.60	mg/kg	U	B	21.70	mg/kg	-	U	7.60	mg/kg	U
Copper	B	7.50	mg/kg	U	B	9.60	mg/kg	U	B	28.70	mg/kg	U	N	129.00	mg/kg	J	B	35.40	mg/kg	U
Iron		12000.00	mg/kg	-		9040.00	mg/kg	-		3840.00	mg/kg	-	*	65700.00	mg/kg	-		6540.00	mg/kg	-
Lead	N*	18.10	mg/kg	J	N*	9.60	mg/kg	J	BN*	5.40	mg/kg	UJ		76400.00	mg/kg	-	BN*	3.30	mg/kg	UJ
Magnesium		52600.00	mg/kg	-		58600.00	mg/kg	-	B	389.00	mg/kg	U	B	2910.00	mg/kg	-		57500.00	mg/kg	-
Manganese		482.00	mg/kg	-		515.00	mg/kg	-		67.50	mg/kg	-		593.00	mg/kg	-		287.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	•	8.40	mg/kg	-	B	0.07	mg/kg	-
Molybdenum																				
Nickel	U	35.60	mg/kg	U	U	35.60	mg/kg	U		168.00	mg/kg	-	U	35.60	mg/kg	U	U	35.60	mg/kg	U
Potassium	U	4340.00	mg/kg	U	B	5580.00	mg/kg	-	U	4340.00	mg/kg	U	B	4800.00	mg/kg	U	U	4340.00	mg/kg	U
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	11.00	mg/kg	U	UN	2.20	mg/kg	U
Silicon																				
Silver	U	6.80	mg/kg	U	U	6.80	mg/kg	U	U	6.80	mg/kg	U	UN	6.80	mg/kg	U	U	6.80	mg/kg	U
Sodium	B	689.00	mg/kg	U	B	648.00	mg/kg	U	B	496.00	mg/kg	U	B	837.00	mg/kg	U	B	803.00	mg/kg	U
Thallium	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U	UWN	1.00	mg/kg	UJ	U	1.00	mg/kg	U
Vanadium	B	9.30	mg/kg	U	B	16.60	mg/kg	U	U	5.00	mg/kg	U	U	5.00	mg/kg	U	U	5.00	mg/kg	U
Zinc		97.90	mg/kg	U		103.00	mg/kg	-		108.00	mg/kg	-		5700.00	mg/kg	-		127.00	mg/kg	U

000326

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				ACID BRICK				STEEL COATINGS				CONCRETE CORE			
Depth:	.5-1"				1-4"				0-.5"								0-.5"			
Process Area:	6				6				6				1				7			
Sample:	9A-038				9A-039				9A-041				9A-042A				9A-043			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3670.00	mg/kg	-		4680.00	mg/kg	-		1500.00	mg/kg	-		6040.00	mg/kg	-		6200.00	mg/kg	-
Antimony	U	2.00	mg/kg	U	U	2.00	mg/kg	U	U	2.00	mg/kg	U	U	2.00	mg/kg	U	U	2.00	mg/kg	U
Arsenic	U	1.60	mg/kg	U	U	1.60	mg/kg	U	UW	1.60	mg/kg	U	U	1.60	mg/kg	U	B	1.70	mg/kg	-
Barium	B	35.30	mg/kg	-	B	42.80	mg/kg	-		1770.00	mg/kg	-		983.00	mg/kg	-		1920.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U
Cadmium	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U	N	13.40	mg/kg	J	UN	5.40	mg/kg	U
Calcium		173000.00	mg/kg	-		195000.00	mg/kg	-	B	2560.00	mg/kg	U	B	8560.00	mg/kg	U		197000.00	mg/kg	-
Chromium	B*	12.30	mg/kg	U	*	36.90	mg/kg	U	*	50.00	mg/kg	-	*	7650.00	mg/kg	-	*	43.90	mg/kg	-
Cobalt	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.60	mg/kg	U		123.00	mg/kg	-	U	7.60	mg/kg	U
Copper	B	6.40	mg/kg	U	B	12.30	mg/kg	U	B	14.00	mg/kg	U		51.30	mg/kg	U	B	21.60	mg/kg	U
Iron		6250.00	mg/kg	-		9790.00	mg/kg	-		4310.00	mg/kg	-		21400.00	mg/kg	-		11900.00	mg/kg	-
Lead	UN*	1.20	mg/kg	UJ	N*	6.10	mg/kg	UJ	BN*	5.10	mg/kg	UJ		72500.00	mg/kg	-	N*	26.10	mg/kg	J
Magnesium		53500.00	mg/kg	-		53900.00	mg/kg	-	B	745.00	mg/kg	U	B	1860.00	mg/kg	U		40400.00	mg/kg	-
Manganese		261.00	mg/kg	-		346.00	mg/kg	-		92.10	mg/kg	-		445.00	mg/kg	-		384.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	B	0.05	mg/kg	-	B	0.06	mg/kg	-		11.70	mg/kg	-	U	0.05	mg/kg	U
Molybdenum																				
Nickel	U	35.60	mg/kg	U	U	35.60	mg/kg	U	U	35.60	mg/kg	U	U	35.60	mg/kg	U	B	35.60	mg/kg	-
Potassium	B	6870.00	mg/kg	-	U	4340.00	mg/kg	U	B	9630.00	mg/kg	-	B	4380.00	mg/kg	-	B	5190.00	mg/kg	-
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	11.00	mg/kg	U	UN	2.20	mg/kg	U
Silicon																				
Silver	U	6.80	mg/kg	U	U	6.80	mg/kg	U	U	6.80	mg/kg	U	U	6.80	mg/kg	U	U	6.80	mg/kg	U
Sodium	B	471.00	mg/kg	U	B	530.00	mg/kg	U	B	410.00	mg/kg	U	B	1100.00	mg/kg	U	B	932.00	mg/kg	U
Thallium	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U	BW	1.10	mg/kg	J	U	1.00	mg/kg	U
Vanadium	B	9.80	mg/kg	-	B	12.70	mg/kg	-	U	5.00	mg/kg	U	U	5.00	mg/kg	U	U	5.00	mg/kg	U
Zinc		81.40	mg/kg	U		91.90	mg/kg	U		102.00	mg/kg	U		6420.00	mg/kg	-		153.00	mg/kg	-

22000227

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	CONCRETE CORE	CONCRETE CORE	STEEL COATINGS	CONCRETE CHIPS	CONCRETE CHIPS
Depth:	.5-1"	1-4"		0-.5"	0-.5"
Process Area:	7	7	1	4	4
Sample:	9A-044	9A-045	9A-047A	9A-048	9A-048(TCLP)

Metals	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Aluminum		5890.00	mg/kg	-		5300.00	mg/kg	-		6140.00	mg/kg	-		4040.00	mg/kg	-	U	0.0693	mg/L	U
Antimony	U	2.00	mg/kg	U	U	2.00	mg/kg	U	UN	2.00	mg/kg	R	UN*	2.00	mg/kg	U	U	0.0408	mg/L	U
Arsenic	B	2.00	mg/kg	-	B	2.00	mg/kg	-	UN	1.60	mg/kg	UJ	N	3.30	mg/kg	-	BWN	0.0044	mg/L	-
Barium	B	62.60	mg/kg	-	B	48.30	mg/kg	-	B	135.00	mg/kg	-		41.80	mg/kg	-		0.3440	mg/L	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	UN	0.02	mg/kg	U	U	0.0005	mg/L	U
Cadmium	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U	BN*	6.60	mg/kg	J	N	0.25	mg/kg	U	U	0.0022	mg/L	U
Calcium		196000.00	mg/kg	-		187000.00	mg/kg	-	B	8590.00	mg/kg	U	E	153000.00	mg/kg	-		1531.0000	mg/L	-
Chromium	*	57.80	mg/kg	-	B*	12.80	mg/kg	U		4360.00	mg/kg	-		7.70	mg/kg	-	U	0.0077	mg/L	U
Cobalt	U	7.60	mg/kg	U	U	7.60	mg/kg	U	B	42.00	mg/kg	-	BEN	2.10	mg/kg	-	B	0.0078	mg/L	U
Copper	B	8.30	mg/kg	U	U	4.80	mg/kg	U	N	364.00	mg/kg	J	N	8.50	mg/kg	-	B	0.0134	mg/L	U
Iron		8940.00	mg/kg	-		7300.00	mg/kg	-	•	46700.00	mg/kg	-		5470.00	mg/kg	-	U	0.0281	mg/L	U
Lead	BN*	1.80	mg/kg	UJ	BN*	1.20	mg/kg	UJ		66000.00	mg/kg	-	+	14.20	mg/kg	J		0.0047	mg/L	-
Magnesium		47400.00	mg/kg	-		43700.00	mg/kg	-	B	1050.00	mg/kg	U		37000.00	mg/kg	-		88.0000	mg/L	-
Manganese		361.00	mg/kg	-		306.00	mg/kg	-		424.00	mg/kg	-		213.00	mg/kg	-		1.0200	mg/L	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	•	18.30	mg/kg	-	UN	0.03	mg/kg	U	U	0.0001	mg/L	U
Molybdenum																				
Nickel	U	35.60	mg/kg	U	U	35.60	mg/kg	U	U	35.60	mg/kg	U	N	3.80	mg/kg	-	B	0.0159	mg/L	-
Potassium	U	4340.00	mg/kg	U	U	4340.00	mg/kg	U	U	4340.00	mg/kg	U		1160.00	mg/kg	-		20.1000	mg/L	-
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	11.00	mg/kg	U	+	1.70	mg/kg	UJ	UW*	0.0065	mg/L	UJ
Silicon																				
Silver	U	6.80	mg/kg	U	U	6.80	mg/kg	U	BN	7.10	mg/kg	U	UN	0.20	mg/kg	U	B	0.0046	mg/L	U
Sodium	B	723.00	mg/kg	U	B	618.00	mg/kg	U	B	1060.00	mg/kg	U		926.00	mg/kg	-		26.8000	mg/L	-
Thallium	U	1.00	mg/kg	U	U	1.00	mg/kg	U	UWN	1.00	mg/kg	UJ	UW	0.32	mg/kg	UJ	BWN	0.0024	mg/L	J
Vanadium	B	18.30	mg/kg	-	B	5.90	mg/kg	-	U	5.00	mg/kg	U	N	8.90	mg/kg	-	B	0.0114	mg/L	U
Zinc		96.00	mg/kg	-		77.50	mg/kg	U		3470.00	mg/kg	-	N	34.60	mg/kg	-	•	0.0841	mg/L	J

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	4				4			
Sample:	9A-049				9A-051			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3880.00	mg/kg	-		4650.00	mg/kg	-
Antimony	UN*	2.00	mg/kg	U	U	9.40	mg/kg	U
Arsenic	N	2.80	mg/kg	-	SN	7.30	mg/kg	-
Barium		49.50	mg/kg	-		63.10	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	U	0.21	mg/kg	U
Cadmium	BN	0.19	mg/kg	U	U	0.62	mg/kg	U
Calcium	E	159000.00	mg/kg	-	E	182000.00	mg/kg	J
Chromium	EN	8.00	mg/kg	-	*	10.60	mg/kg	-
Cobalt	BEN	2.00	mg/kg	-	U	1.60	mg/kg	U
Copper	N	12.90	mg/kg	-	*	10.90	mg/kg	-
Iron		5320.00	mg/kg	-	*	7580.00	mg/kg	-
Lead		7.20	mg/kg	-	*	5.00	mg/kg	J
Magnesium		38500.00	mg/kg	-		53700.00	mg/kg	-
Manganese	E	215.00	mg/kg	-	*	323.00	mg/kg	J
Mercury	UN	0.03	mg/kg	U	UN	0.10	mg/kg	U
Molybdenum								
Nickel	N	3.10	mg/kg	-	BEN	6.90	mg/kg	J
Potassium		1430.00	mg/kg	-		1270.00	mg/kg	-
Selenium	+	1.30	mg/kg	UJ	U	3.10	mg/kg	U
Silicon								
Silver	U	0.19	mg/kg	U	UN	0.82	mg/kg	UJ
Sodium		1710.00	mg/kg	-		2310.00	mg/kg	J
Thallium	UW	0.31	mg/kg	UJ	U	0.82	mg/kg	U
Vanadium	N	8.20	mg/kg	-	N*	10.70	mg/kg	J
Zinc	N	56.70	mg/kg	-	E	62.20	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Facility
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"								0-.5"			
Process Area:	1				1				1				1				1			
Sample:	9B-003A				9B-004A				9B-005A				9B-007				9B-008A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6180.00	mg/kg	-		6410.00	mg/kg	-		7170.00	mg/kg	-		4650.00	mg/kg	-		1030.00	mg/kg	-
Antimony	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U	BN	40.90	mg/kg	J	U	1.00	mg/kg	U
Arsenic	UW	2.10	mg/kg	U	B	6.70	mg/kg	-	B	5.00	mg/kg	-	N*	2.70	mg/kg	UJ	BW	1.90	mg/kg	J
Barium		55.90	mg/kg	-		57.70	mg/kg	-		61.20	mg/kg	-		803.00	mg/kg	-	B	33.30	mg/kg	-
Beryllium	U	0.83	mg/kg	U		4.40	mg/kg	-	U	0.83	mg/kg	U	B	0.98	mg/kg	-	U	0.81	mg/kg	U
Cadmium	B	0.46	mg/kg	-	U	0.42	mg/kg	U	U	0.42	mg/kg	U		2.60	mg/kg	-	U	0.40	mg/kg	U
Calcium		194000.00	mg/kg	-		201000.00	mg/kg	-		219000.00	mg/kg	-		18300.00	mg/kg	-	B	807.00	mg/kg	-
Chromium		32.10	mg/kg	-		24.40	mg/kg	-		66.30	mg/kg	-		7960.00	mg/kg	-		14.20	mg/kg	-
Cobalt	B	2.90	mg/kg	-	B	3.00	mg/kg	-	B	4.70	mg/kg	-		86.80	mg/kg	-	U	2.40	mg/kg	U
Copper	N	11.80	mg/kg	-	N	10.30	mg/kg	-	N	23.60	mg/kg	-	*	781.00	mg/kg	-	N	90.70	mg/kg	-
Iron	*	7440.00	mg/kg	-	*	7430.00	mg/kg	-	*	10400.00	mg/kg	-		32900.00	mg/kg	-	*	4130.00	mg/kg	-
Lead		4.30	mg/kg	-		3.40	mg/kg	-		10.80	mg/kg	-		64000.00	mg/kg	-	N*	112.00	mg/kg	-
Magnesium		52700.00	mg/kg	-		50800.00	mg/kg	-		50000.00	mg/kg	-	*	7510.00	mg/kg	-	B	528.00	mg/kg	-
Manganese		256.00	mg/kg	-		263.00	mg/kg	-		267.00	mg/kg	-	N*	148.00	mg/kg	J		54.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	N	1.40	mg/kg	J	U	0.05	mg/kg	U
Molybdenum																				
Nickel		12.30	mg/kg	U		13.80	mg/kg	U		19.90	mg/kg	-		17.90	mg/kg	-		9.90	mg/kg	U
Potassium		1300.00	mg/kg	-		1400.00	mg/kg	-		1210.00	mg/kg	-	B	355.00	mg/kg	-	B	958.00	mg/kg	-
Selenium	UEN	2.10	mg/kg	UJ	UEN	2.10	mg/kg	UJ	UEN	2.10	mg/kg	UJ	UNW	0.22	mg/kg	UJ	UNW	0.40	mg/kg	UJ
Silicon																				
Silver	BN	1.90	mg/kg	UJ	BN	1.20	mg/kg	UJ	BN	1.00	mg/kg	UJ	B	0.62	mg/kg	U	UNW	0.40	mg/kg	UJ
Sodium	B	459.00	mg/kg	-	B	491.00	mg/kg	-	B	449.00	mg/kg	-	B	464.00	mg/kg	-	B	227.00	mg/kg	-
Thallium	BN	0.46	mg/kg	UJ	BN	0.37	mg/kg	UJ	BN	0.65	mg/kg	UJ	B	0.22	mg/kg	-	BN	0.47	mg/kg	UJ
Vanadium		20.70	mg/kg	-		22.90	mg/kg	-		22.90	mg/kg	-		24.10	mg/kg	U	B	5.60	mg/kg	U
Zinc	*	20.00	mg/kg	-	•	19.00	mg/kg	-	*	21.50	mg/kg	-		11700.00	mg/kg	-	*	32.60	mg/kg	-

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Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 9C - Plant 9 Dust Collector
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	9C-003				9C-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4750.00	mg/kg	-		7600.00	mg/kg	-
Antimony	UN	54.40	mg/kg	UJ		69.60	mg/kg	-
Arsenic	N	2.80	mg/kg	J	+N	4.40	mg/kg	J
Barium	B	52.50	mg/kg	-		112.00	mg/kg	-
Beryllium	B	0.93	mg/kg	U	B	0.31	mg/kg	U
Cadmium	U	5.70	mg/kg	U	N	7.70	mg/kg	J
Calcium		177000.00	mg/kg	-		18000.00	mg/kg	-
Chromium	B	19.20	mg/kg	-		5830.00	mg/kg	-
Cobalt	U	6.60	mg/kg	U		113.00	mg/kg	-
Copper	B	46.00	mg/kg	U		81.30	mg/kg	-
Iron	*	10600.00	mg/kg	-		42200.00	mg/kg	-
Lead	N	76.90	mg/kg	J		37800.00	mg/kg	-
Magnesium		42400.00	mg/kg	-		5190.00	mg/kg	-
Manganese		324.00	mg/kg	-	N	337.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	N	1.00	mg/kg	-
Molybdenum								
Nickel	U	24.80	mg/kg	U		16.70	mg/kg	-
Potassium	U	6510.00	mg/kg	U		1060.00	mg/kg	-
Selenium	BWN	0.36	mg/kg	UJ	UWN	3.70	mg/kg	R
Silicon								
Silver	U	7.00	mg/kg	U	B	0.91	mg/kg	-
Sodium	B	1090.00	mg/kg	-	B	259.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ	UN	1.10	mg/kg	UJ
Vanadium	B	31.30	mg/kg	-		11.40	mg/kg	-
Zinc	*	155.00	mg/kg	-		6270.00	mg/kg	-

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	9D-003				9D-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4300.00	mg/kg	-		1180.00	mg/kg	-
Antimony	UN*	1.90	mg/kg	U		220.00	mg/kg	-
Arsenic	N	4.10	mg/kg	-	U	3.50	mg/kg	U
Barium		130.00	mg/kg	-	B	72.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	B	0.82	mg/kg	U
Cadmium	UN	0.10	mg/kg	U		15.10	mg/kg	U
Calcium	E	175000.00	mg/kg	-	E	30300.00	mg/kg	J
Chromium	EN	25.60	mg/kg	-		12300.00	mg/kg	-
Cobalt	EN	2.40	mg/kg	-	B	78.20	mg/kg	-
Copper	N	7.70	mg/kg	-		99.70	mg/kg	-
Iron		6790.00	mg/kg	-		33000.00	mg/kg	-
Lead		24.50	mg/kg	-		3500.00	mg/kg	-
Magnesium		37000.00	mg/kg	-	B	1140.00	mg/kg	-
Manganese	E	342.00	mg/kg	-		208.00	mg/kg	-
Mercury	UN	0.03	mg/kg	U		1.50	mg/kg	-
Molybdenum								
Nickel	N	5.00	mg/kg	-	U	23.20	mg/kg	U
Potassium		2110.00	mg/kg	-	B	6060.00	mg/kg	-
Selenium	B	0.92	mg/kg	U	U	3.30	mg/kg	U
Silicon								
Silver	U	0.19	mg/kg	U	U	8.50	mg/kg	U
Sodium		962.00	mg/kg	-	B	653.00	mg/kg	U
Thallium	UW	0.30	mg/kg	UJ	U	5.50	mg/kg	U
Vanadium	N	9.00	mg/kg	-	B	30.10	mg/kg	-
Zinc	N	17.40	mg/kg	-		19700.00	mg/kg	-

2240032

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9E - Plant 9 Cylinder Shed
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	9E-002				9E-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5930.00	mg/kg	-		23500.00	mg/kg	J
Antimony	UN	9.40	mg/kg	UJ	UN	10.30	mg/kg	R
Arsenic	S	5.40	mg/kg	-	N	4.80	mg/kg	J
Barium		74.60	mg/kg	-		142.00	mg/kg	-
Beryllium	U	0.41	mg/kg	U	B	1.10	mg/kg	-
Cadmium	U	0.61	mg/kg	U	N	28.70	mg/kg	J
Calcium	E	218000.00	mg/kg	J		21200.00	mg/kg	-
Chromium	EN*	10.10	mg/kg	J		2760.00	mg/kg	-
Cobalt	B	2.90	mg/kg	-		66.40	mg/kg	-
Copper	N*	9.80	mg/kg	J	N*	180.00	mg/kg	-
Iron		7610.00	mg/kg	-	*	82400.00	mg/kg	-
Lead		5.70	mg/kg	-		117000.00	mg/kg	-
Magnesium		44000.00	mg/kg	-		3630.00	mg/kg	-
Manganese	E	315.00	mg/kg	J		471.00	mg/kg	-
Mercury	U	0.10	mg/kg	U		0.73	mg/kg	-
Molybdenum								
Nickel	N*	8.90	mg/kg	J		20.50	mg/kg	-
Potassium	B	654.00	mg/kg	-	B	528.00	mg/kg	-
Selenium	UWN	0.61	mg/kg	UJ	UWN	3.30	mg/kg	UJ
Silicon								
Silver	U	0.82	mg/kg	U		9.40	mg/kg	-
Sodium	B	677.00	mg/kg	J	B	713.00	mg/kg	J
Thallium	U	0.82	mg/kg	U	U	0.89	mg/kg	U
Vanadium		12.60	mg/kg	-	U	0.90	mg/kg	U
Zinc	E	36.10	mg/kg	J		2770.00	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 9F - Electrostatic Precipitator
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	9F-003				9F-004				9F-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5000.00	mg/kg	-		4660.00	mg/kg	-		4680.00	mg/kg	-
Antimony	B	5.60	mg/kg	-	B	8.40	mg/kg	-	B	6.70	mg/kg	-
Arsenic		2.90	mg/kg	U		2.80	mg/kg	U		2.60	mg/kg	U
Barium		53.90	mg/kg	-		47.80	mg/kg	-		43.30	mg/kg	-
Beryllium	B	0.42	mg/kg	U	B	0.59	mg/kg	U	B	0.59	mg/kg	U
Cadmium		3.90	mg/kg	-	U	0.58	mg/kg	U	U	0.59	mg/kg	U
Calcium		197000.00	mg/kg	-		196000.00	mg/kg	-		200000.00	mg/kg	-
Chromium		15.60	mg/kg	-		8.70	mg/kg	-		6.90	mg/kg	-
Cobalt	B	3.10	mg/kg	U	B	3.30	mg/kg	U	B	3.40	mg/kg	U
Copper		16.30	mg/kg	-		5.30	mg/kg	-	B	4.40	mg/kg	U
Iron		9640.00	mg/kg	-		6860.00	mg/kg	-		6730.00	mg/kg	-
Lead	SN	53.60	mg/kg	-	SN	3.10	mg/kg	-	SN	2.30	mg/kg	-
Magnesium		44200.00	mg/kg	-		53300.00	mg/kg	-		52000.00	mg/kg	-
Manganese		310.00	mg/kg	-		306.00	mg/kg	-		298.00	mg/kg	-
Mercury	B	0.06	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel	B	5.80	mg/kg	-	B	4.20	mg/kg	-	B	6.20	mg/kg	-
Potassium		1930.00	mg/kg	-	B	1030.00	mg/kg	-		1300.00	mg/kg	-
Selenium	UWN	1.90	mg/kg	R	UWN	1.90	mg/kg	R	UWN	1.90	mg/kg	R
Silicon												
Silver	U	0.70	mg/kg	U	U	0.71	mg/kg	U	U	0.71	mg/kg	U
Sodium		1150.00	mg/kg	-	B	465.00	mg/kg	-	B	505.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ
Vanadium	U	0.60	mg/kg	U	B	5.70	mg/kg	U	B	6.30	mg/kg	-
Zinc	N*	1880.00	mg/kg	J	N*	44.80	mg/kg	J	N*	21.10	mg/kg	J

000334

Appendix L.2 - Major Media
Category 4 - Process Support
Component 10A - Boiler Plant
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	10A-001				10A-002			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5970.00	mg/kg	-		6880.00	mg/kg	-
Antimony	UN	9.40	mg/kg	UJ	UN	9.40	mg/kg	UJ
Arsenic	*	6.10	mg/kg	-	*	14.00	mg/kg	-
Barium	•	1600.00	mg/kg	-	•	109.00	mg/kg	-
Beryllium	B	0.24	mg/kg	-	B	0.30	mg/kg	-
Cadmium	U*	0.61	mg/kg	U	B*	0.79	mg/kg	-
Calcium	*	201000.00	mg/kg	-	•	204000.00	mg/kg	-
Chromium	•	271.00	mg/kg	-	•	640.00	mg/kg	-
Cobalt	B	4.80	mg/kg	U	B	7.20	mg/kg	U
Copper	N*	54.40	mg/kg	-	N*	50.20	mg/kg	-
Iron	*	23300.00	mg/kg	-	•	37300.00	mg/kg	-
Lead		20.90	mg/kg	-	*	62.20	mg/kg	-
Magnesium		40400.00	mg/kg	-		39200.00	mg/kg	-
Manganese	N*	459.00	mg/kg	J	N*	441.00	mg/kg	J
Mercury	U*	0.10	mg/kg	U	U*	0.08	mg/kg	U
Molybdenum								
Nickel		51.00	mg/kg	-		23.10	mg/kg	-
Potassium	B	870.00	mg/kg	-		1040.00	mg/kg	-
Selenium	UW	0.61	mg/kg	UJ	U	0.61	mg/kg	U
Silicon								
Silver	U	0.81	mg/kg	U	U	0.82	mg/kg	U
Sodium	B	750.00	mg/kg	J		1030.00	mg/kg	J
Thallium	U	0.81	mg/kg	U	U	0.82	mg/kg	U
Vanadium		12.60	mg/kg	-		15.60	mg/kg	-
Zinc	•	122.00	mg/kg	-	*	194.00	mg/kg	-

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 10B - Boiler Plant Maintenance Bldg.
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	1				1				1				1				1			
Sample:	10B-004				10B-005				10B-006				10B-007 DUP				10B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5570.00	mg/kg	-		5420.00	mg/kg	-		5830.00	mg/kg	-		4520.00	mg/kg	-	*	777.00	mg/kg	-
Antimony	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	BNW	3.70	mg/kg	J
Arsenic	BN	5.10	mg/kg	-	BNW	1.70	mg/kg	J	BNW	0.75	mg/kg	J	BN	4.60	mg/kg	-	N	5.90	mg/kg	J
Barium	*	201.00	mg/kg	J	*	45.30	mg/kg	J	B*	37.00	mg/kg	J	*	68.10	mg/kg	J		77.30	mg/kg	-
Beryllium	B	0.93	mg/kg	-	B	1.00	mg/kg	-		1.50	mg/kg	-	B	1.00	mg/kg	-	UN	0.81	mg/kg	UJ
Cadmium	U	0.41	mg/kg	U	U	0.42	mg/kg	U	U	0.42	mg/kg	U	U	0.41	mg/kg	U	*	1.10	mg/kg	U
Calcium		212000.00	mg/kg	-		208000.00	mg/kg	-		217000.00	mg/kg	-		191000.00	mg/kg	-		5630.00	mg/kg	-
Chromium		10.60	mg/kg	-		10.60	mg/kg	-		15.40	mg/kg	-		8.60	mg/kg	-		1410.00	mg/kg	-
Cobalt	B	3.80	mg/kg	-	B	4.40	mg/kg	-	B	4.30	mg/kg	-	B	3.90	mg/kg	-		61.20	mg/kg	-
Copper		7.00	mg/kg	U		8.60	mg/kg	U		10.90	mg/kg	-		6.40	mg/kg	U		1040.00	mg/kg	-
Iron		7060.00	mg/kg	-		7140.00	mg/kg	-		7840.00	mg/kg	-		5660.00	mg/kg	-	*	60200.00	mg/kg	J
Lead	N*	61.80	mg/kg	J	S	5.00	mg/kg	-	S	5.60	mg/kg	-	S	6.90	mg/kg	-	*	207.00	mg/kg	-
Magnesium		34800.00	mg/kg	-		36200.00	mg/kg	-		39800.00	mg/kg	-		35600.00	mg/kg	-		1090.00	mg/kg	-
Manganese	N	294.00	mg/kg	J	N	369.00	mg/kg	J	N	283.00	mg/kg	J	N	261.00	mg/kg	J	*	718.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U		0.11	mg/kg	U
Molybdenum																				
Nickel		10.00	mg/kg	-		9.10	mg/kg	-		10.90	mg/kg	-	B	7.90	mg/kg	-		347.00	mg/kg	-
Potassium		1650.00	mg/kg	-		1640.00	mg/kg	-		1680.00	mg/kg	-		1490.00	mg/kg	-	B	828.00	mg/kg	-
Selenium	UN	2.10	mg/kg	U	UNW	0.42	mg/kg	UJ	UN	2.10	mg/kg	U	UN	2.10	mg/kg	U	U	0.40	mg/kg	U
Silicon																				
Silver	UW	0.41	mg/kg	U	BW	0.48	mg/kg	-	UW	0.42	mg/kg	U	UW	0.41	mg/kg	U	U	0.40	mg/kg	U
Sodium	B	336.00	mg/kg	-	B	296.00	mg/kg	U	B	330.00	mg/kg	-	B	327.00	mg/kg	-	B	464.00	mg/kg	-
Thallium	UW	0.21	mg/kg	U	UW	0.21	mg/kg	U	UW	0.21	mg/kg	U	UW	0.21	mg/kg	U	UW	0.20	mg/kg	U
Vanadium		13.60	mg/kg	-		16.00	mg/kg	-		15.10	mg/kg	-		12.70	mg/kg	-	*	13.30	mg/kg	J
Zinc	N*	37.00	mg/kg	J	N*	22.60	mg/kg	J	N*	49.50	mg/kg	J	N*	18.60	mg/kg	J		13000.00	mg/kg	-

00336

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"			
Process Area:	1				1			
Sample:	10D-001				10D-002			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5940.00	mg/kg	-		6320.00	mg/kg	-
Antimony	UN	9.80	mg/kg	UJ	UN	9.90	mg/kg	UJ
Arsenic	•	4.60	mg/kg	-	*	4.90	mg/kg	-
Barium	•	75.10	mg/kg	-	*	63.50	mg/kg	-
Beryllium	B	0.75	mg/kg	-	B	0.45	mg/kg	-
Cadmium	U*	0.64	mg/kg	U	U*	0.65	mg/kg	U
Calcium	•	207000.00	mg/kg	-	•	207000.00	mg/kg	-
Chromium	U*	0.85	mg/kg	U	*	4.10	mg/kg	U
Cobalt	B	3.10	mg/kg	U	B	2.10	mg/kg	U
Copper	N*	17.50	mg/kg	-	N*	10.00	mg/kg	-
Iron	•	6510.00	mg/kg	-	*	6080.00	mg/kg	-
Lead		4.80	mg/kg	-		5.40	mg/kg	-
Magnesium		50300.00	mg/kg	-		44000.00	mg/kg	-
Manganese	N*	330.00	mg/kg	J	N*	323.00	mg/kg	J
Mercury	U*	0.11	mg/kg	U	U*	0.11	mg/kg	U
Molybdenum								
Nickel		23.00	mg/kg	-		10.90	mg/kg	U
Potassium		1090.00	mg/kg	-	B	746.00	mg/kg	U
Selenium	U	0.63	mg/kg	U	U	0.64	mg/kg	U
Silicon								
Silver		4.60	mg/kg	-	B	1.30	mg/kg	-
Sodium	B	659.00	mg/kg	J	B	541.00	mg/kg	J
Thallium	U	0.85	mg/kg	U	UW	0.86	mg/kg	UJ
Vanadium	U	0.85	mg/kg	U	B	7.30	mg/kg	-
Zinc	•	138.00	mg/kg	-	*	61.10	mg/kg	-

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"				0-.5"			
Process Area:	1				1				1				1				1			
Sample:	11-004A				11-005A				11-006A				11-007A DUP				11-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	3630.00	mg/kg	-	E	6320.00	mg/kg	-	E	4960.00	mg/kg	-	E	4050.00	mg/kg	-	E	3840.00	mg/kg	-
Antimony	UN	2.10	mg/kg	R	UN	2.20	mg/kg	R	UN	2.30	mg/kg	R	UN	2.00	mg/kg	R	UN	2.30	mg/kg	R
Arsenic		2.10	mg/kg	-		3.30	mg/kg	-		3.50	mg/kg	-		2.70	mg/kg	-		3.70	mg/kg	-
Barium	E	39.50	mg/kg	-	E	47.80	mg/kg	-	E	35.10	mg/kg	-	E	49.30	mg/kg	-	E	34.70	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.01	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	BN	0.09	mg/kg	UJ	UN	0.09	mg/kg	UJ	UN	0.10	mg/kg	UJ	UN	0.08	mg/kg	UJ	N	0.45	mg/kg	UJ
Calcium	E	98700.00	mg/kg	-	E	171000.00	mg/kg	-	E	196000.00	mg/kg	-	E	108000.00	mg/kg	-	E	149000.00	mg/kg	-
Chromium	N	6.00	mg/kg	J	N	9.40	mg/kg	J	N	8.40	mg/kg	J	N	6.50	mg/kg	J	N	6.40	mg/kg	J
Cobalt	BN	1.90	mg/kg	J	N	3.20	mg/kg	J	N	2.60	mg/kg	J	BN	2.10	mg/kg	J	N	3.30	mg/kg	J
Copper	N	5.60	mg/kg	-	N	7.40	mg/kg	-	N	5.90	mg/kg	-	N	5.30	mg/kg	-	N	7.00	mg/kg	-
Iron	E	3880.00	mg/kg	-	E	6290.00	mg/kg	-	E	5620.00	mg/kg	-	E	4480.00	mg/kg	-	E	5540.00	mg/kg	-
Lead	N	4.50	mg/kg	UJ	N	7.50	mg/kg	UJ	N	6.70	mg/kg	UJ	N	5.20	mg/kg	UJ	N	70.70	mg/kg	J
Magnesium	E	16200.00	mg/kg	-	E	25500.00	mg/kg	-	E	29200.00	mg/kg	-	E	17400.00	mg/kg	-	E	37200.00	mg/kg	-
Manganese	E	127.00	mg/kg	-	E	237.00	mg/kg	-	E	244.00	mg/kg	-	E	146.00	mg/kg	-	E	179.00	mg/kg	-
Mercury	U	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.02	mg/kg	U		2.30	mg/kg	-
Molybdenum																				
Nickel	N	3.50	mg/kg	J	N	6.30	mg/kg	J	N	5.20	mg/kg	J	N	4.50	mg/kg	J	N	4.80	mg/kg	J
Potassium		1290.00	mg/kg	-		1510.00	mg/kg	-		1100.00	mg/kg	-		1520.00	mg/kg	-		1320.00	mg/kg	-
Selenium	+N	7.60	mg/kg	J	+N	38.00	mg/kg	R	+N	8.10	mg/kg	R	+N	2.10	mg/kg	R	UN	1.10	mg/kg	UJ
Silicon																				
Silver	U	0.18	mg/kg	U	U	0.18	mg/kg	U	U	0.19	mg/kg	U	U	0.17	mg/kg	U	U	0.19	mg/kg	U
Sodium	E	395.00	mg/kg	-	E	583.00	mg/kg	-	E	357.00	mg/kg	-	E	485.00	mg/kg	-	E	471.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ	UWN	0.28	mg/kg	UJ	UWN	0.29	mg/kg	UJ	UWN	0.28	mg/kg	UJ	UWN	0.28	mg/kg	UJ
Vanadium	N	7.30	mg/kg	J	N	11.00	mg/kg	J	N	8.70	mg/kg	J	N	8.00	mg/kg	J	N	7.90	mg/kg	J
Zinc	EN	14.50	mg/kg	J	EN	20.70	mg/kg	J	EN	19.40	mg/kg	J	EN	16.00	mg/kg	J	EN	913.00	mg/kg	J

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Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"				0-.5"				0-.5"			
Process Area:	2				2				2				2				3			
Sample:	11-012				11-013				11-014				11-016				11-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	6310.00	mg/kg	J	E	3630.00	mg/kg	J	E	3940.00	mg/kg	J	E	3540.00	mg/kg	-	E	3010.00	mg/kg	-
Antimony	UN	1.00	mg/kg	R	UN	1.00	mg/kg	R	UN	1.00	mg/kg	R	UN	2.30	mg/kg	R	UN	2.20	mg/kg	R
Arsenic	N	4.00	mg/kg	-	SN	3.50	mg/kg	-	SN	4.70	mg/kg	-		3.60	mg/kg	-		2.50	mg/kg	-
Barium	EN*	46.60	mg/kg	J	EN*	32.30	mg/kg	J	EN*	39.00	mg/kg	J	E	35.50	mg/kg	-	E	46.20	mg/kg	-
Beryllium	BN	0.11	mg/kg	UJ	BN	0.15	mg/kg	UJ	UN	0.01	mg/kg	UJ	UN	0.01	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	*	2.00	mg/kg	J	•	0.64	mg/kg	UJ	*	2.00	mg/kg	J	UN	0.10	mg/kg	UJ	BN	0.22	mg/kg	UJ
Calcium		214000.00	mg/kg	-		233000.00	mg/kg	-		252000.00	mg/kg	-	E	171000.00	mg/kg	-	E	119000.00	mg/kg	-
Chromium	N	7.00	mg/kg	J	N	5.90	mg/kg	J	N	4.40	mg/kg	J	N	7.40	mg/kg	J	N	4.30	mg/kg	J
Cobalt	N	2.90	mg/kg	J	BN	1.90	mg/kg	J	BN	1.70	mg/kg	J	BN	2.20	mg/kg	J	BN	1.40	mg/kg	UJ
Copper	N	12.30	mg/kg	J	N	6.80	mg/kg	J	N	5.40	mg/kg	J	N	7.30	mg/kg	-	N	5.60	mg/kg	-
Iron	E	8710.00	mg/kg	J	E	6490.00	mg/kg	J	E	6520.00	mg/kg	J	E	6050.00	mg/kg	-	E	3750.00	mg/kg	-
Lead	W	7.70	mg/kg	J		3.80	mg/kg	J		2.20	mg/kg	UJ	N	13.00	mg/kg	UJ	N	4.00	mg/kg	UJ
Magnesium		46600.00	mg/kg	-		58200.00	mg/kg	-		62800.00	mg/kg	-	E	24100.00	mg/kg	-	E	30800.00	mg/kg	-
Manganese	E*	233.00	mg/kg	J	E*	218.00	mg/kg	J	E*	331.00	mg/kg	J	E	270.00	mg/kg	-	E	124.00	mg/kg	-
Mercury	U*	0.03	mg/kg	U	U*	0.03	mg/kg	U	U*	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U
Molybdenum																				
Nickel	N	5.20	mg/kg	J	N	3.70	mg/kg	J	N	2.30	mg/kg	UJ	N	4.80	mg/kg	J	N	2.60	mg/kg	J
Potassium		1490.00	mg/kg	-		1080.00	mg/kg	-		895.00	mg/kg	-		1530.00	mg/kg	-		782.00	mg/kg	-
Selenium	U+*	0.26	mg/kg	R	+*	4.60	mg/kg	J	B*	2.20	mg/kg	UJ	BN	1.40	mg/kg	UJ	BN	1.20	mg/kg	UJ
Silicon																				
Silver	B	0.21	mg/kg	-	B	0.28	mg/kg	-	B	0.32	mg/kg	-	U	0.20	mg/kg	U	U	0.18	mg/kg	U
Sodium	E	1370.00	mg/kg	J	E	982.00	mg/kg	J	E	494.00	mg/kg	J	E	484.00	mg/kg	-	E	408.00	mg/kg	-
Thallium	UWN	0.32	mg/kg	UJ	UWN	0.30	mg/kg	UJ	WN	0.32	mg/kg	J	UWN	0.27	mg/kg	UJ	UWN	0.27	mg/kg	UJ
Vanadium	N	13.90	mg/kg	J	N	8.60	mg/kg	J	N	8.10	mg/kg	J	N	7.00	mg/kg	J	N	6.20	mg/kg	J
Zinc	E*	125.00	mg/kg	J	E*	36.00	mg/kg	J	E*	6.00	mg/kg	J	EN	16.50	mg/kg	J	EN	14.40	mg/kg	J

3212

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Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	.5-1"				1-4"				0-.5"				0-.5"				0-.5"			
Process Area:	3				3				3				4				4			
Sample:	11-018				11-019				11-021				11-022				11-024			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	4410.00	mg/kg	-	E	3880.00	mg/kg	-	E	3790.00	mg/kg	-		7350.00	mg/kg	-		3880.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R	UN	2.10	mg/kg	R	UN	2.10	mg/kg	R	U	53.40	mg/kg	U	U	53.20	mg/kg	U
Arsenic		3.70	mg/kg	-		4.00	mg/kg	-		3.20	mg/kg	-		9.60	mg/kg	-		2.60	mg/kg	-
Barium	E	48.90	mg/kg	-	E	45.90	mg/kg	-	E	26.70	mg/kg	-	BE	76.40	mg/kg	J	E	504.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ	UN	0.01	mg/kg	UJ	UN	0.02	mg/kg	UJ	B	0.96	mg/kg	-	B	0.94	mg/kg	-
Cadmium	N	2.30	mg/kg	J	N	2.70	mg/kg	J	UN	0.09	mg/kg	UJ	U	5.60	mg/kg	U		21.00	mg/kg	-
Calcium	E	195000.00	mg/kg	-	E	186000.00	mg/kg	-	E	157000.00	mg/kg	-		199000.00	mg/kg	-		162000.00	mg/kg	-
Chromium	N	5.80	mg/kg	J	N	5.30	mg/kg	J	N	7.10	mg/kg	J	•	40.00	mg/kg	J	B*	9.60	mg/kg	J
Cobalt	N	2.50	mg/kg	J	N	2.40	mg/kg	J	N	4.00	mg/kg	J	U	6.40	mg/kg	U	U	6.40	mg/kg	U
Copper	N	8.00	mg/kg	-	N	9.40	mg/kg	-	N	7.40	mg/kg	-	•	95.50	mg/kg	-	B*	25.10	mg/kg	U
Iron	E	5340.00	mg/kg	-	E	4870.00	mg/kg	-	E	5530.00	mg/kg	-		37800.00	mg/kg	-		6910.00	mg/kg	-
Lead	N	4.70	mg/kg	UJ	N	4.40	mg/kg	UJ	N	6.40	mg/kg	UJ	•	17.80	mg/kg	UJ	*	27.30	mg/kg	J
Magnesium	E	48700.00	mg/kg	-	E	45900.00	mg/kg	-	E	36200.00	mg/kg	-		29200.00	mg/kg	-		47100.00	mg/kg	-
Manganese	E	198.00	mg/kg	-	E	206.00	mg/kg	-	E	193.00	mg/kg	-		466.00	mg/kg	-		251.00	mg/kg	-
Mercury	U	0.03	mg/kg	U	U	0.03	mg/kg	U		0.57	mg/kg	-	B	0.05	mg/kg	-	B	0.06	mg/kg	-
Molybdenum																				
Nickel	N	3.60	mg/kg	J	N	3.80	mg/kg	J	N	5.50	mg/kg	J	B	26.90	mg/kg	-	U	24.30	mg/kg	U
Potassium		887.00	mg/kg	-		874.00	mg/kg	-		1090.00	mg/kg	-	U	6370.00	mg/kg	U	U	6350.00	mg/kg	U
Selenium	BN	1.30	mg/kg	UJ	BN	1.60	mg/kg	UJ	U+N	0.22	mg/kg	R	UWN	0.70	mg/kg	UJ	UWN	0.14	mg/kg	UJ
Silicon																				
Silver		7.40	mg/kg	-		9.10	mg/kg	-	U	0.18	mg/kg	U	UN	6.80	mg/kg	U	UN	6.80	mg/kg	U
Sodium	E	507.00	mg/kg	-	E	632.00	mg/kg	-	E	394.00	mg/kg	-	B	2130.00	mg/kg	-	B	661.00	mg/kg	U
Thallium	UWN	0.29	mg/kg	UJ	UWN	0.29	mg/kg	UJ	UWN	0.28	mg/kg	UJ	UW	0.14	mg/kg	UJ	B	0.17	mg/kg	U
Vanadium	N	8.30	mg/kg	J	N	7.90	mg/kg	J	N	7.50	mg/kg	J	B	38.90	mg/kg	-	B	25.60	mg/kg	-
Zinc	EN	12.20	mg/kg	J	EN	12.40	mg/kg	J	EN	15.20	mg/kg	J		58.70	mg/kg	-		657.00	mg/kg	-

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	5
Sample:	11-026A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4600.00	mg/kg	-
Antimony	U	53.20	mg/kg	U
Arsenic		5.10	mg/kg	-
Barium	BE	51.00	mg/kg	J
Beryllium	B	0.95	mg/kg	-
Cadmium	U	5.60	mg/kg	U
Calcium		186000.00	mg/kg	-
Chromium	B*	15.30	mg/kg	J
Cobalt	U	6.40	mg/kg	U
Copper	B*	40.90	mg/kg	U
Iron		9940.00	mg/kg	-
Lead	*E	668.00	mg/kg	J
Magnesium		44500.00	mg/kg	-
Manganese		296.00	mg/kg	-
Mercury	B	0.06	mg/kg	-
Molybdenum				
Nickel	U	24.30	mg/kg	U
Potassium	U	6350.00	mg/kg	U
Selenium	UWN	0.70	mg/kg	UJ
Silicon				
Silver	UN	6.80	mg/kg	U
Sodium	B	574.00	mg/kg	U
Thallium	B	0.23	mg/kg	U
Vanadium	B	32.10	mg/kg	-
Zinc	B	31.70	mg/kg	U

00341

3212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK				ACID BRICK			
Depth:	0-.5"				.5-1"				1-4"				0-.5"				0-.5"			
Process Area:	1				1				1				1				1			
Sample:	12A-003				12A-004				12A-005				12A-007				12A-008 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		7530.00	mg/kg	-		5220.00	mg/kg	-		5640.00	mg/kg	-		1030.00	mg/kg	-		1300.00	mg/kg	-
Antimony	UN	1.10	mg/kg	R	UN	1.00	mg/kg	R	UN	1.10	mg/kg	R	UN	1.20	mg/kg	UJ	BN	1.40	mg/kg	UJ
Arsenic	UN	0.45	mg/kg	R	BN	0.91	mg/kg	J	BN	0.78	mg/kg	J	B	1.20	mg/kg	-	B	1.50	mg/kg	-
Barium		73.30	mg/kg	-		69.60	mg/kg	-		54.30	mg/kg	-	N	41.60	mg/kg	J	N	52.80	mg/kg	J
Beryllium	U	0.89	mg/kg	U	U	0.83	mg/kg	U	B	0.95	mg/kg	-	U	0.02	mg/kg	U	U	0.02	mg/kg	U
Cadmium	B	0.66	mg/kg	U	B	0.60	mg/kg	U	B	0.72	mg/kg	U		0.54	mg/kg	-		0.61	mg/kg	-
Calcium		210000.00	mg/kg	-		174000.00	mg/kg	-		185000.00	mg/kg	-		1960.00	mg/kg	J		2820.00	mg/kg	J
Chromium		17.30	mg/kg	-		10.40	mg/kg	-		9.30	mg/kg	-	*	4.20	mg/kg	J	*	5.90	mg/kg	J
Cobalt	B	6.70	mg/kg	-	B	4.50	mg/kg	-	B	4.90	mg/kg	-		2.30	mg/kg	-		2.90	mg/kg	-
Copper		20.40	mg/kg	-		9.70	mg/kg	U		9.90	mg/kg	U		25.90	mg/kg	-		32.00	mg/kg	-
Iron		10700.00	mg/kg	-		7150.00	mg/kg	-		7550.00	mg/kg	-		2540.00	mg/kg	-		3600.00	mg/kg	-
Lead	NS	15.40	mg/kg	J	N	3.90	mg/kg	J	N	3.00	mg/kg	J		15.90	mg/kg	-		20.40	mg/kg	-
Magnesium		51900.00	mg/kg	-		43000.00	mg/kg	-		52700.00	mg/kg	-		428.00	mg/kg	-		601.00	mg/kg	-
Manganese	N	461.00	mg/kg	J	N	362.00	mg/kg	J	N	360.00	mg/kg	J		69.00	mg/kg	-		93.70	mg/kg	-
Mercury		0.37	mg/kg	-	B	0.06	mg/kg	U	U	0.05	mg/kg	U		5.20	mg/kg	-		7.00	mg/kg	-
Molybdenum																				
Nickel		25.70	mg/kg	-		13.10	mg/kg	-		12.50	mg/kg	-	*	21.70	mg/kg	J	*	29.80	mg/kg	J
Potassium		4280.00	mg/kg	-		1990.00	mg/kg	-		1120.00	mg/kg	-		331.00	mg/kg	-		403.00	mg/kg	-
Selenium	UNW	2.20	mg/kg	UJ	UN	2.10	mg/kg	U	UN	2.10	mg/kg	U	UW	0.99	mg/kg	UJ	UM	0.98	mg/kg	U
Silicon																				
Silver	UW	0.45	mg/kg	U	U	0.41	mg/kg	U	UW	0.42	mg/kg	U		0.72	mg/kg	U		0.93	mg/kg	-
Sodium		3680.00	mg/kg	-		1360.00	mg/kg	-	B	460.00	mg/kg	-		214.00	mg/kg	-		238.00	mg/kg	-
Thallium	UN	0.22	mg/kg	R	UNW	0.21	mg/kg	R	UNW	0.21	mg/kg	R	U	0.89	mg/kg	U	U	0.88	mg/kg	U
Vanadium		27.00	mg/kg	-		18.80	mg/kg	U		22.40	mg/kg	-	*	6.00	mg/kg	J	*	10.60	mg/kg	J
Zinc	N	48.50	mg/kg	J	N	87.80	mg/kg	J	N	22.40	mg/kg	J		33.10	mg/kg	-		40.10	mg/kg	-

00042

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-6"			
Process Area:	1				1				2				2				2			
Sample:	12A-010				12A-012				12A-014				12A-015				12A-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2890.00	mg/kg	-		2380.00	mg/kg	-		5210.00	mg/kg	-		3460.00	mg/kg	-		3850.00	mg/kg	-
Antimony	UJN	1.20	mg/kg	UJ	UN	35.20	mg/kg	UJ	N	21.50	mg/kg	UJ	N	15.50	mg/kg	UJ	N	20.30	mg/kg	UJ
Arsenic	B	3.30	mg/kg	-		67.10	mg/kg	-		2.70	mg/kg	-		3.10	mg/kg	-		5.50	mg/kg	-
Barium	JN	55.60	mg/kg	J		237.00	mg/kg	-		50.40	mg/kg	-		45.60	mg/kg	-		44.60	mg/kg	-
Beryllium	U	0.02	mg/kg	U	U	2.40	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U
Cadmium	U	0.07	mg/kg	U	U*	2.70	mg/kg	U	•	1.00	mg/kg	-	B*	0.79	mg/kg	-	*	1.90	mg/kg	-
Calcium		166000.00	mg/kg	-		28800.00	mg/kg	-		186000.00	mg/kg	-		178000.00	mg/kg	-		170000.00	mg/kg	-
Chromium	J*	48.40	mg/kg	J		1360.00	mg/kg	-		10.10	mg/kg	-		5.00	mg/kg	-		10.20	mg/kg	-
Cobalt		2.30	mg/kg	-		430.00	mg/kg	-	B	2.20	mg/kg	U	B	1.30	mg/kg	U	B	3.80	mg/kg	U
Copper		10.10	mg/kg	-		2020.00	mg/kg	-		9.50	mg/kg	-	B	4.80	mg/kg	U		7.70	mg/kg	-
Iron		5330.00	mg/kg	-		160000.00	mg/kg	-		7520.00	mg/kg	-		5280.00	mg/kg	-		23800.00	mg/kg	-
Lead		212.00	mg/kg	-		2270.00	mg/kg	-		6.80	mg/kg	-		2.70	mg/kg	U		2.30	mg/kg	U
Magnesium		59800.00	mg/kg	-	•	14300.00	mg/kg	-	•	42800.00	mg/kg	-	*	52400.00	mg/kg	-	*	43800.00	mg/kg	-
Manganese		143.00	mg/kg	-	N*	1270.00	mg/kg	J	N*	354.00	mg/kg	J	N*	327.00	mg/kg	J	N*	410.00	mg/kg	J
Mercury		0.08	mg/kg	-		25.20	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel	J*	5.90	mg/kg	J		2570.00	mg/kg	-	B	7.60	mg/kg	-	U	3.60	mg/kg	U	B	6.30	mg/kg	-
Potassium		722.00	mg/kg	-	U	2170.00	mg/kg	U	B	798.00	mg/kg	-	U	434.00	mg/kg	U	U	434.00	mg/kg	U
Selenium	U	0.99	mg/kg	U	BNW	2.00	mg/kg	J	UN	1.60	mg/kg	UJ	UNW	1.60	mg/kg	UJ	UWN	1.60	mg/kg	UJ
Silicon																				
Silver	B	0.13	mg/kg	U	U*	3.40	mg/kg	UJ	B*	0.98	mg/kg	J	U*	0.68	mg/kg	UJ	*	3.40	mg/kg	J
Sodium		396.00	mg/kg	-		1210.00	mg/kg	-	B	664.00	mg/kg	-	B	430.00	mg/kg	-	B	305.00	mg/kg	-
Thallium	UW	0.89	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ
Vanadium	J*	6.00	mg/kg	J	U	2.50	mg/kg	U		12.30	mg/kg	-	B	9.20	mg/kg	-	B	8.10	mg/kg	U
Zinc		30.00	mg/kg	-		1270.00	mg/kg	-		33.90	mg/kg	-		12.70	mg/kg	U		15.00	mg/kg	-

000443

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-6"			
Process Area:	2				2				1				1				1			
Sample:	12A-018				12A-020				12A-022				12A-023				12A-024			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5140.00	mg/kg	-		1370.00	mg/kg	-		5310.00	mg/kg	-		3990.00	mg/kg	-		4660.00	mg/kg	-
Antimony	BN	10.10	mg/kg	UJ	UN	35.20	mg/kg	R	UN	7.00	mg/kg	UJ	BN	11.10	mg/kg	UJ	N	13.40	mg/kg	UJ
Arsenic		4.00	mg/kg	-	N	7.90	mg/kg	J		3.50	mg/kg	-		5.40	mg/kg	-		3.20	mg/kg	-
Barium		43.10	mg/kg	-	N	257.00	mg/kg	J		49.00	mg/kg	-	B	39.90	mg/kg	-		41.60	mg/kg	-
Beryllium	U	0.48	mg/kg	U	U	2.40	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U
Cadmium	B*	0.68	mg/kg	-	N*	76.60	mg/kg	J		1.00	mg/kg	-	U	0.54	mg/kg	U		1.60	mg/kg	-
Calcium		183000.00	mg/kg	-		14100.00	mg/kg	-	E	198000.00	mg/kg	J	E	185000.00	mg/kg	J	E	186000.00	mg/kg	J
Chromium		8.40	mg/kg	-		836.00	mg/kg	-		10.70	mg/kg	-		7.60	mg/kg	-		10.20	mg/kg	-
Cobalt	B	1.70	mg/kg	U	N	165.00	mg/kg	-	B	2.40	mg/kg	U	B	1.50	mg/kg	U	B	2.70	mg/kg	U
Copper		12.40	mg/kg	-		44.10	mg/kg	-		13.20	mg/kg	-		8.80	mg/kg	-		20.20	mg/kg	-
Iron		7180.00	mg/kg	-	*	19100.00	mg/kg	-		7820.00	mg/kg	-		5750.00	mg/kg	-		11000.00	mg/kg	-
Lead	S	10.10	mg/kg	-	*	77700.00	mg/kg	-	S	10.60	mg/kg	-	S	12.10	mg/kg	-		2.50	mg/kg	-
Magnesium	*	40800.00	mg/kg	-		8130.00	mg/kg	-	E	44200.00	mg/kg	J	E	45200.00	mg/kg	J	E	45500.00	mg/kg	J
Manganese	N*	273.00	mg/kg	J	*	317.00	mg/kg	-		267.00	mg/kg	-		252.00	mg/kg	-		278.00	mg/kg	-
Mercury		0.25	mg/kg	-		0.72	mg/kg	-	N	0.18	mg/kg	J	UN	0.05	mg/kg	UJ	UN	0.05	mg/kg	UJ
Molybdenum																				
Nickel	B	6.70	mg/kg	-	*	115.00	mg/kg	J	B	6.20	mg/kg	-	B	5.30	mg/kg	-		13.10	mg/kg	-
Potassium	B	888.00	mg/kg	-	B	614.00	mg/kg	-		2090.00	mg/kg	-		1030.00	mg/kg	-	B	638.00	mg/kg	-
Selenium	UN	1.60	mg/kg	UJ	UE	3.20	mg/kg	UJ	UN	1.60	mg/kg	UJ	UN	1.60	mg/kg	UJ	UN	1.60	mg/kg	UJ
Silicon																				
Silver	U*	0.68	mg/kg	UJ	U	3.40	mg/kg	U	U	0.68	mg/kg	U	U	0.68	mg/kg	U		4.00	mg/kg	-
Sodium	B	569.00	mg/kg	-	B	570.00	mg/kg	-		1700.00	mg/kg	-	B	866.00	mg/kg	-	B	526.00	mg/kg	-
Thallium	UW	0.18	mg/kg	UJ	UN	0.90	mg/kg	R	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ
Vanadium		12.10	mg/kg	-	B	3.20	mg/kg	U		11.20	mg/kg	-		10.90	mg/kg	-		12.30	mg/kg	-
Zinc		25.90	mg/kg	-	*	82100.00	mg/kg	J		28.30	mg/kg	-		17.90	mg/kg	-		17.30	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-6"			
Process Area:	3				3				1				1				1			
Sample:	12A-026				12A-028				12A-030				12A-031				12A-032			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4230.00	mg/kg	-		3970.00	mg/kg	-		4470.00	mg/kg	-		3730.00	mg/kg	-		3300.00	mg/kg	-
Antimony	UN	35.20	mg/kg	R	UN	35.20	mg/kg	R	UN	7.00	mg/kg	UJ	BN	7.40	mg/kg	UJ	N	13.20	mg/kg	UJ
Arsenic	N	4.60	mg/kg	J	BN	1.40	mg/kg	J		6.10	mg/kg	-		3.70	mg/kg	-		3.50	mg/kg	-
Barium	BN	43.30	mg/kg	J	BN	187.00	mg/kg	J		49.40	mg/kg	-	B	37.50	mg/kg	-	B	33.80	mg/kg	-
Beryllium	U	2.40	mg/kg	U	U	2.40	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U
Cadmium	UN*	2.70	mg/kg	UJ	UN*	2.70	mg/kg	UJ	B	0.89	mg/kg	-	U	0.54	mg/kg	U	U	0.54	mg/kg	U
Calcium		160000.00	mg/kg	-		24600.00	mg/kg	-	E	187000.00	mg/kg	J	E	194000.00	mg/kg	J	E	175000.00	mg/kg	J
Chromium	B	6.90	mg/kg	-		2710.00	mg/kg	-		65.50	mg/kg	-		9.10	mg/kg	-		5.60	mg/kg	-
Cobalt	UN	3.80	mg/kg	U	N	225.00	mg/kg	-	B	9.30	mg/kg	-	B	2.20	mg/kg	U	U	0.76	mg/kg	U
Copper	B	4.10	mg/kg	U		130.00	mg/kg	-		526.00	mg/kg	-		18.40	mg/kg	-		5.10	mg/kg	U
Iron	*	6450.00	mg/kg	-	*	24500.00	mg/kg	-		45800.00	mg/kg	-		12500.00	mg/kg	-		5680.00	mg/kg	-
Lead	*	113.00	mg/kg	-	*	26000.00	mg/kg	-		119.00	mg/kg	-		6.20	mg/kg	-	S	3.70	mg/kg	-
Magnesium		32700.00	mg/kg	-		4180.00	mg/kg	-	E	40400.00	mg/kg	J	E	52400.00	mg/kg	J	E	54000.00	mg/kg	J
Manganese	*	239.00	mg/kg	-	*	331.00	mg/kg	-		614.00	mg/kg	-		366.00	mg/kg	-		288.00	mg/kg	-
Mercury		0.30	mg/kg	-		5.30	mg/kg	-	N	0.24	mg/kg	J	UN	0.05	mg/kg	UJ	UN	0.05	mg/kg	UJ
Molybdenum																				
Nickel	U*	17.80	mg/kg	UJ	B*	33.00	mg/kg	J		46.50	mg/kg	-		14.40	mg/kg	-	B	6.60	mg/kg	-
Potassium		1130.00	mg/kg	-	B	948.00	mg/kg	-	B	985.00	mg/kg	-	B	650.00	mg/kg	-	B	601.00	mg/kg	-
Selenium	UW	1.60	mg/kg	U	U	1.60	mg/kg	U	UN	1.60	mg/kg	UJ	UWN	1.60	mg/kg	UJ	UWN	1.60	mg/kg	UJ
Silicon																				
Silver	U	3.40	mg/kg	U	U	3.40	mg/kg	U	B	0.98	mg/kg	-	U	0.68	mg/kg	U	U	0.68	mg/kg	U
Sodium	B	360.00	mg/kg	-	B	969.00	mg/kg	-	B	870.00	mg/kg	-	B	475.00	mg/kg	-	B	414.00	mg/kg	-
Thallium	UN	0.18	mg/kg	R	UN	0.18	mg/kg	R	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ
Vanadium	B	6.20	mg/kg	U	B	6.70	mg/kg	U		15.60	mg/kg	-		10.20	mg/kg	-	B	8.30	mg/kg	-
Zinc	*	94.00	mg/kg	J	*	3190.00	mg/kg	J		99.70	mg/kg	-		16.60	mg/kg	-		45.00	mg/kg	-

0004345

2123

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-6"			
Process Area:	4				4				5				5				5			
Sample:	12A-033				12A-035				12A-040				12A-041				12A-042			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4400.00	mg/kg	-		3360.00	mg/kg	-		3430.00	mg/kg	-		2790.00	mg/kg	-		3860.00	mg/kg	-
Antimony	UN	35.20	mg/kg	R	UN	35.20	mg/kg	R	UN	35.20	mg/kg	R	UN	35.20	mg/kg	R	UN	35.20	mg/kg	R
Arsenic	N	3.00	mg/kg	J	N	3.50	mg/kg	J	N	5.30	mg/kg	J	N	3.70	mg/kg	J	N	3.20	mg/kg	J
Barium	BN	58.20	mg/kg	J	N	660.00	mg/kg	J	BN	35.20	mg/kg	J	BN	49.80	mg/kg	J	BN	51.40	mg/kg	J
Beryllium	U	2.40	mg/kg	U	U	2.40	mg/kg	U	U	2.40	mg/kg	U	U	2.40	mg/kg	U	U	2.40	mg/kg	U
Cadmium	UN*	2.70	mg/kg	UJ	N*	26.60	mg/kg	J	UN*	2.70	mg/kg	UJ	UN*	2.70	mg/kg	UJ	UN*	2.70	mg/kg	UJ
Calcium		161000.00	mg/kg	-		55500.00	mg/kg	-		129000.00	mg/kg	-		163000.00	mg/kg	-		167000.00	mg/kg	-
Chromium		11.30	mg/kg	-		1450.00	mg/kg	-		45.40	mg/kg	-		16.00	mg/kg	-	B	5.70	mg/kg	U
Cobalt	BN	3.90	mg/kg	U	N	103.00	mg/kg	-	BN	4.60	mg/kg	U	UN	3.80	mg/kg	U	BN	4.10	mg/kg	U
Copper	B	2.80	mg/kg	U		112.00	mg/kg	-		55.40	mg/kg	-	B	2.70	mg/kg	U	B	3.00	mg/kg	U
Iron	*	6480.00	mg/kg	-	*	9790.00	mg/kg	-	*	20400.00	mg/kg	-	*	6480.00	mg/kg	-	*	6070.00	mg/kg	-
Lead	*	53.80	mg/kg	-	*	37200.00	mg/kg	-	*	104.00	mg/kg	-	*	40.40	mg/kg	-	U*	39.50	mg/kg	U
Magnesium		33000.00	mg/kg	-		4060.00	mg/kg	-		28400.00	mg/kg	-		56300.00	mg/kg	-		38500.00	mg/kg	-
Manganese	*	301.00	mg/kg	-	*	178.00	mg/kg	-	*	334.00	mg/kg	-	*	322.00	mg/kg	-	*	384.00	mg/kg	-
Mercury		0.90	mg/kg	-		8.20	mg/kg	-		2.00	mg/kg	-	B	0.06	mg/kg	-	U	0.05	mg/kg	U
Molybdenum																				
Nickel	U*	17.80	mg/kg	UJ	*	40.30	mg/kg	J	*	172.00	mg/kg	J	U*	17.80	mg/kg	UJ	U*	17.80	mg/kg	UJ
Potassium		1390.00	mg/kg	-		1050.00	mg/kg	-		1130.00	mg/kg	-	B	850.00	mg/kg	-	B	738.00	mg/kg	-
Selenium	U	1.60	mg/kg	U	UW	1.60	mg/kg	UJ	U	1.60	mg/kg	U	U	1.60	mg/kg	U	U	1.60	mg/kg	U
Silicon																				
Silver	U	3.40	mg/kg	U	U	3.40	mg/kg	U	U	3.40	mg/kg	U	U	3.40	mg/kg	U	U	3.40	mg/kg	U
Sodium	B	384.00	mg/kg	-		1250.00	mg/kg	-	B	764.00	mg/kg	-	B	427.00	mg/kg	-	B	366.00	mg/kg	-
Thallium	UN	0.18	mg/kg	R	UN	0.90	mg/kg	R	UN	0.18	mg/kg	R	UN	0.18	mg/kg	R	UN	0.18	mg/kg	R
Vanadium	B	6.10	mg/kg	U	B	7.10	mg/kg	U	B	8.70	mg/kg	U	U	2.50	mg/kg	U	B	4.20	mg/kg	U
Zinc	*	48.00	mg/kg	J	*	20300.00	mg/kg	J	*	81.60	mg/kg	J	*	24.10	mg/kg	UJ	*	27.10	mg/kg	UJ

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"								0-.5"				.5-1"				1-6"			
Process Area:	1				5				6				6				6			
Sample:	12A-044				12A-046				12A-048				12A-049				12A-050			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4620.00	mg/kg	-		3830.00	mg/kg	-		3700.00	mg/kg	-		4300.00	mg/kg	-		4380.00	mg/kg	-
Antimony	N	20.40	mg/kg	UJ	UN	35.20	mg/kg	R	N	15.70	mg/kg	UJ	N	19.10	mg/kg	UJ	N	14.60	mg/kg	UJ
Arsenic		4.00	mg/kg	-	N	6.20	mg/kg	J		3.90	mg/kg	-		3.40	mg/kg	-		3.50	mg/kg	-
Barium		170.00	mg/kg	-	BN	108.00	mg/kg	J	B	36.40	mg/kg	-	B	38.60	mg/kg	-	B	35.20	mg/kg	-
Beryllium	U	0.48	mg/kg	U	U	2.40	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U	U	0.48	mg/kg	U
Cadmium	U	0.54	mg/kg	U	N*	25.90	mg/kg	J	B*	0.58	mg/kg	-	B*	0.59	mg/kg	-	B*	0.54	mg/kg	-
Calcium	E	167000.00	mg/kg	J		58800.00	mg/kg	-		172000.00	mg/kg	-		181000.00	mg/kg	-		179000.00	mg/kg	-
Chromium		9.70	mg/kg	-		207.00	mg/kg	-		19.60	mg/kg	-		6.30	mg/kg	-		6.30	mg/kg	-
Cobalt	B	4.00	mg/kg	U	N	176.00	mg/kg	-	B	2.20	mg/kg	U	B	1.80	mg/kg	U	B	2.00	mg/kg	U
Copper		17.40	mg/kg	-		148.00	mg/kg	-		31.40	mg/kg	-		5.60	mg/kg	U		8.20	mg/kg	-
Iron		7410.00	mg/kg	-	•	12800.00	mg/kg	-		12300.00	mg/kg	-		6580.00	mg/kg	-		10100.00	mg/kg	-
Lead	S	16.70	mg/kg	-	*	34600.00	mg/kg	-	S	12.60	mg/kg	-	U	0.22	mg/kg	U		3.00	mg/kg	-
Magnesium	E	31900.00	mg/kg	J		3730.00	mg/kg	-	•	48600.00	mg/kg	-	*	40000.00	mg/kg	-	•	50900.00	mg/kg	-
Manganese		409.00	mg/kg	-	*	188.00	mg/kg	-	N*	297.00	mg/kg	J	N*	301.00	mg/kg	J	N*	319.00	mg/kg	J
Mercury	N	0.37	mg/kg	J		13.00	mg/kg	-	B	0.06	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel		8.30	mg/kg	-	B*	38.70	mg/kg	J		13.80	mg/kg	-	B	4.80	mg/kg	-	B	6.00	mg/kg	-
Potassium	B	644.00	mg/kg	-	B	632.00	mg/kg	-	B	656.00	mg/kg	-	B	577.00	mg/kg	-	B	444.00	mg/kg	-
Selenium	UN	1.60	mg/kg	UJ	UW	1.60	mg/kg	UJ	UN	1.60	mg/kg	UJ	UN	1.60	mg/kg	UJ	UN	1.60	mg/kg	UJ
Silicon																				
Silver	U	0.68	mg/kg	U	U	3.40	mg/kg	U	U*	0.68	mg/kg	UJ	U*	0.68	mg/kg	UJ	B*	0.84	mg/kg	J
Sodium	B	345.00	mg/kg	-	B	802.00	mg/kg	-	B	820.00	mg/kg	-	B	420.00	mg/kg	-	B	308.00	mg/kg	-
Thallium	UE	0.90	mg/kg	UJ	UN	0.90	mg/kg	R	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ	UW	0.18	mg/kg	UJ
Vanadium	B	9.30	mg/kg	-	B	5.70	mg/kg	U	B	8.50	mg/kg	U		10.20	mg/kg	-	B	9.20	mg/kg	-
Zinc		97.70	mg/kg	-	•	30700.00	mg/kg	J		36.70	mg/kg	-		13.80	mg/kg	U		23.60	mg/kg	-

000447

7173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	6				6			
Sample:	12A-052				12A-054			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3540.00	mg/kg	-		3850.00	mg/kg	-
Antimony	N	20.10	mg/kg	UJ	N	27.80	mg/kg	UJ
Arsenic		3.10	mg/kg	-		9.30	mg/kg	-
Barium	B	23.60	mg/kg	-		386.00	mg/kg	-
Beryllium	U	0.48	mg/kg	U	U	0.48	mg/kg	U
Cadmium	*	1.20	mg/kg	-	*	199.00	mg/kg	-
Calcium		156000.00	mg/kg	-		46800.00	mg/kg	-
Chromium		8.40	mg/kg	-		516.00	mg/kg	-
Cobalt	B	1.70	mg/kg	U		177.00	mg/kg	-
Copper		13.00	mg/kg	-		495.00	mg/kg	-
Iron		6470.00	mg/kg	-		98600.00	mg/kg	-
Lead		20.40	mg/kg	-		30600.00	mg/kg	-
Magnesium	*	50500.00	mg/kg	-	*	8630.00	mg/kg	-
Manganese	N*	230.00	mg/kg	J	N*	918.00	mg/kg	J
Mercury		1.10	mg/kg	-		3.30	mg/kg	-
Molybdenum								
Nickel		8.60	mg/kg	-		1410.00	mg/kg	-
Potassium	B	724.00	mg/kg	-		1060.00	mg/kg	-
Selenium	UN	1.60	mg/kg	UJ	UWN	1.60	mg/kg	UJ
Silicon								
Silver	U*	0.68	mg/kg	UJ	U*	0.68	mg/kg	UJ
Sodium	B	344.00	mg/kg	-		1040.00	mg/kg	-
Thallium	U	0.18	mg/kg	U	U	0.90	mg/kg	U
Vanadium	B	8.90	mg/kg	-	B	9.40	mg/kg	-
Zinc		39.50	mg/kg	-		30200.00	mg/kg	-

0003548

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 12C - Lumber Storage Building
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	12C-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		6380.00	mg/kg	-
Antimony	UN	9.40	mg/kg	UJ
Arsenic	*	5.20	mg/kg	-
Barium	*	67.10	mg/kg	-
Beryllium	U	0.41	mg/kg	U
Cadmium	*	1.00	mg/kg	-
Calcium	*	226000.00	mg/kg	-
Chromium	*	7.80	mg/kg	U
Cobalt	B	3.20	mg/kg	U
Copper	N*	9.60	mg/kg	-
Iron	*	8340.00	mg/kg	-
Lead	S	26.60	mg/kg	-
Magnesium		40900.00	mg/kg	-
Manganese	N*	344.00	mg/kg	J
Mercury	U*	0.09	mg/kg	U
Molybdenum				
Nickel	B	6.30	mg/kg	U
Potassium		1170.00	mg/kg	-
Selenium	UW	0.62	mg/kg	UJ
Silicon				
Silver	U	0.81	mg/kg	U
Sodium	B	998.00	mg/kg	J
Thallium	UW	0.82	mg/kg	UJ
Vanadium	B	10.10	mg/kg	-
Zinc	*	839.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-6"				0-.5"				.5-1"			
Process Area:	1				1				1				1				1			
Sample:	13A-003				13A-004				13A-005				13A-007				13A-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5170.00	mg/kg	-		5510.00	mg/kg	-		5590.00	mg/kg	-		5450.00	mg/kg	-		4990.00	mg/kg	-
Antimony	UN	1.20	mg/kg	UJ	UN	1.30	mg/kg	UJ	UN	1.20	mg/kg	UJ	UN	1.40	mg/kg	UJ	U	1.30	mg/kg	UJ
Arsenic	SN	4.40	mg/kg	J		3.10	mg/kg	J		29.30	mg/kg	-		7.80	mg/kg	J		5.50	mg/kg	J
Barium	N	829.00	mg/kg	J	N	326.00	mg/kg	J	N	224.00	mg/kg	J	N	48.50	mg/kg	J	N	45.50	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	0.03	mg/kg	U	U	0.02	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U
Cadmium		1.30	mg/kg	-		1.40	mg/kg	-		2.00	mg/kg	-		0.99	mg/kg	-		2.70	mg/kg	-
Calcium		162000.00	mg/kg	-		193000.00	mg/kg	-		179000.00	mg/kg	-		174000.00	mg/kg	-		172000.00	mg/kg	-
Chromium		11.30	mg/kg	-		9.30	mg/kg	-		30.80	mg/kg	-		7.20	mg/kg	-		5.80	mg/kg	-
Cobalt		3.30	mg/kg	-		3.40	mg/kg	-		17.40	mg/kg	-		2.80	mg/kg	-		2.70	mg/kg	-
Copper	N*	25.80	mg/kg	J	N*	14.00	mg/kg	J	N*	61.60	mg/kg	J	N*	92.00	mg/kg	J	N*	56.00	mg/kg	J
Iron		7110.00	mg/kg	-		7660.00	mg/kg	-		8040.00	mg/kg	-		7360.00	mg/kg	-		6870.00	mg/kg	-
Lead	N	62.20	mg/kg	J	N	21.70	mg/kg	J	N	21.40	mg/kg	J	N	21.30	mg/kg	J	N	7.80	mg/kg	R
Magnesium		28800.00	mg/kg	-		33400.00	mg/kg	-		35800.00	mg/kg	-		42900.00	mg/kg	-		38800.00	mg/kg	-
Manganese	N	175.00	mg/kg	-	N	204.00	mg/kg	-	N	213.00	mg/kg	-	N	231.00	mg/kg	-	N	252.00	mg/kg	-
Mercury		0.06	mg/kg	UJ	U	0.03	mg/kg	UJ		0.25	mg/kg	J	B	0.04	mg/kg	UJ	B	0.04	mg/kg	UJ
Molybdenum																				
Nickel		6.80	mg/kg	-		5.70	mg/kg	-		35.40	mg/kg	-		9.60	mg/kg	-		5.60	mg/kg	-
Potassium		974.00	mg/kg	-		865.00	mg/kg	-		1220.00	mg/kg	-		889.00	mg/kg	-		864.00	mg/kg	-
Selenium	UWN	0.52	mg/kg	R		4.40	mg/kg	J		4.30	mg/kg	J		11.70	mg/kg	-		9.20	mg/kg	J
Silicon																				
Silver	N	2.20	mg/kg	J	N	1.90	mg/kg	J	N	0.71	mg/kg	UJ	N	0.75	mg/kg	UJ	N	4.90	mg/kg	J
Sodium		731.00	mg/kg	-		664.00	mg/kg	-		649.00	mg/kg	-		487.00	mg/kg	-		542.00	mg/kg	-
Thallium	U	0.88	mg/kg	U	U	0.82	mg/kg	U	U	0.87	mg/kg	U	U	0.90	mg/kg	U	U	0.89	mg/kg	U
Vanadium		8.50	mg/kg	-		8.70	mg/kg	-		12.20	mg/kg	-		9.70	mg/kg	-		7.80	mg/kg	-
Zinc		25.80	mg/kg	-		16.70	mg/kg	-		16.40	mg/kg	-		30.60	mg/kg	-		18.20	mg/kg	-

005300

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE				ACID BRICK				MASONRY CHIPS				STEEL COATINGS				CONCRETE CORE			
Depth:	1-6"				0-.5"				0-.5"								0-.5"			
Process Area:	1				1				1				1				2			
Sample:	13A-009				13A-011				13A-012				13A-013				13A-022			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5340.00	mg/kg	-		657.00	mg/kg	-	JE*	3010.00	mg/kg	J	JE*	5180.00	mg/kg	J		4840.00	mg/kg	-
Antimony	UN	1.30	mg/kg	UJ	BN	1.30	mg/kg	J	JN*	1.80	mg/kg	J	UJN	1.30	mg/kg	UJ	URN	1.30	mg/kg	R
Arsenic	N	4.00	mg/kg	J	B	1.20	mg/kg	-	JN*	4.30	mg/kg	J	N	1.90	mg/kg	J	JN	11.10	mg/kg	J
Barium	N	43.80	mg/kg	J	N	63.90	mg/kg	J	JEN	30.50	mg/kg	J	JEN	99.60	mg/kg	J	E	259.00	mg/kg	J
Beryllium	U	0.03	mg/kg	U	U	0.03	mg/kg	U	UJN	0.02	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ
Cadmium		1.30	mg/kg	-	B	0.11	mg/kg	-	JE*	0.69	mg/kg	J	JE*	69.70	mg/kg	J	JEN	3.80	mg/kg	J
Calcium		186000.00	mg/kg	-		2290.00	mg/kg	-	JE	132000.00	mg/kg	J	JE	6600.00	mg/kg	J		191000.00	mg/kg	-
Chromium		6.30	mg/kg	-		46.70	mg/kg	-	JE*	17.20	mg/kg	J	JE*	1600.00	mg/kg	J	JEN	33.30	mg/kg	J
Cobalt		2.30	mg/kg	-	B	0.83	mg/kg	-	JN*	3.30	mg/kg	J	JN*	69.30	mg/kg	J	JN	3.60	mg/kg	J
Copper	N*	12.40	mg/kg	J	N*	321.00	mg/kg	J	JEN	8.50	mg/kg	J	JEN	187.00	mg/kg	J	JN	62.40	mg/kg	-
Iron		7080.00	mg/kg	-		4840.00	mg/kg	-	J*	5670.00	mg/kg	J	J*	6960.00	mg/kg	J		10600.00	mg/kg	-
Lead	N	3.80	mg/kg	-	N	33.90	mg/kg	J	JEN	88.40	mg/kg	J	JEN	12200.00	mg/kg	J	JEN	105.00	mg/kg	J
Magnesium		40200.00	mg/kg	-		346.00	mg/kg	-	JE	38600.00	mg/kg	J	JE	2100.00	mg/kg	J	E	27600.00	mg/kg	J
Manganese	N	229.00	mg/kg	-	N	59.80	mg/kg	-	JEN	151.00	mg/kg	J	JEN	82.10	mg/kg	J	JEN	217.00	mg/kg	J
Mercury	U	0.03	mg/kg	UJ		0.48	mg/kg	J	J	0.12	mg/kg	-	J	2.10	mg/kg	-	*	1.20	mg/kg	J
Molybdenum																				
Nickel		3.90	mg/kg	-		20.00	mg/kg	-	JEN	4.20	mg/kg	J	JEN	49.70	mg/kg	J	JEN	32.60	mg/kg	J
Potassium		1170.00	mg/kg	-		511.00	mg/kg	-	J*	485.00	mg/kg	J	J*	246.00	mg/kg	J		1180.00	mg/kg	-
Selenium	UWN	0.53	mg/kg	R		3.60	mg/kg	J	UJN	1.00	mg/kg	UJ	UJN	10.20	mg/kg	UJ	JN*	3.50	mg/kg	J
Silicon																				
Silver	N	2.00	mg/kg	J	N	0.49	mg/kg	J	UJN	0.12	mg/kg	UJ	JN*	1.20	mg/kg	J	JN*	5.60	mg/kg	J
Sodium		726.00	mg/kg	-		447.00	mg/kg	-		695.00	mg/kg	-		490.00	mg/kg	-		818.00	mg/kg	-
Thallium	U	0.87	mg/kg	U	U	0.85	mg/kg	U	UJN	0.90	mg/kg	UJ	UJN	9.20	mg/kg	UJ	U	0.93	mg/kg	U
Vanadium		8.30	mg/kg	-		4.10	mg/kg	-	JN*	7.20	mg/kg	J	JN*	3.40	mg/kg	J	JN	8.50	mg/kg	J
Zinc		11.90	mg/kg	-		19.00	mg/kg	-	JEN	82.00	mg/kg	J	JEN	1540.00	mg/kg	J	JEN	111.00	mg/kg	J

000451

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE
Depth:	.5-1"	1-6"	0-.5"	.5-1"	1-6"
Process Area:	2	2	2	2	2
Sample:	13A-023	13A-024	13A-026	13A-027	13A-028

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5410.00	mg/kg	-		4740.00	mg/kg	-		5670.00	mg/kg	-		4170.00	mg/kg	-		4220.00	mg/kg	-
Antimony	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R
Arsenic	JN	10.10	mg/kg	J	JN	6.80	mg/kg	J	JN	7.30	mg/kg	J	JN	7.30	mg/kg	J	JN	3.90	mg/kg	J
Barium	E	346.00	mg/kg	J	E	43.10	mg/kg	J	E	52.30	mg/kg	J	E	33.60	mg/kg	J	E	42.20	mg/kg	J
Beryllium	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ
Cadmium	JEN	3.20	mg/kg	J	JEN	2.50	mg/kg	J	JEN	1.30	mg/kg	J	JEN	1.20	mg/kg	J	JEN	0.85	mg/kg	J
Calcium		157000.00	mg/kg	-		184000.00	mg/kg	-		189000.00	mg/kg	-		198000.00	mg/kg	-		188000.00	mg/kg	-
Chromium	JEN	36.30	mg/kg	J	JEN	10.20	mg/kg	J	JEN	7.60	mg/kg	J	JEN	6.20	mg/kg	J	JEN	6.60	mg/kg	J
Cobalt	JN	3.70	mg/kg	J	JN	4.30	mg/kg	J	JN	2.60	mg/kg	UJ	JN	2.40	mg/kg	UJ	JN	2.20	mg/kg	UJ
Copper	JN	64.80	mg/kg	-	JN	12.00	mg/kg	-	JN	11.30	mg/kg	-	JN	6.70	mg/kg	-	JN	6.10	mg/kg	-
Iron		13100.00	mg/kg	-		7090.00	mg/kg	-		8600.00	mg/kg	-		6400.00	mg/kg	-		6510.00	mg/kg	-
Lead	JEN	128.00	mg/kg	J	JEN	5.60	mg/kg	UJ	JEN	40.10	mg/kg	J	JEN	7.00	mg/kg	J	JEN	2.40	mg/kg	UJ
Magnesium	E	29000.00	mg/kg	J	E	34800.00	mg/kg	J	E	31500.00	mg/kg	J	E	29700.00	mg/kg	J	E	43500.00	mg/kg	J
Manganese	JEN	225.00	mg/kg	J	JEN	282.00	mg/kg	J	JEN	234.00	mg/kg	J	JEN	281.00	mg/kg	J	JEN	291.00	mg/kg	J
Mercury	*	0.24	mg/kg	J	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ
Molybdenum																				
Nickel	JEN	31.70	mg/kg	J	JEN	8.70	mg/kg	J	JEN	5.60	mg/kg	J	JEN	4.10	mg/kg	UJ	JEN	4.50	mg/kg	UJ
Potassium		1280.00	mg/kg	-		741.00	mg/kg	-		890.00	mg/kg	-		842.00	mg/kg	-		802.00	mg/kg	-
Selenium	JN*	4.80	mg/kg	J	UJ	1.00	mg/kg	U	UJW	1.00	mg/kg	UJ	UJW	1.00	mg/kg	UJ	UJW	1.10	mg/kg	UJ
Silicon																				
Silver	JN*	4.00	mg/kg	J	JN*	5.70	mg/kg	J	JN*	2.00	mg/kg	J	JN*	1.50	mg/kg	J	BJN	0.25	mg/kg	UJ
Sodium		800.00	mg/kg	-		367.00	mg/kg	-		342.00	mg/kg	-		418.00	mg/kg	-		512.00	mg/kg	-
Thallium	U	0.90	mg/kg	U	UJ	0.09	mg/kg	UJ	UJW	0.09	mg/kg	UJ	UJW	0.09	mg/kg	UJ	UJW	0.10	mg/kg	UJ
Vanadium	JN	8.70	mg/kg	J	JN	7.50	mg/kg	J	JN	9.10	mg/kg	J	JN	6.70	mg/kg	J	JN	7.50	mg/kg	J
Zinc	JEN	125.00	mg/kg	J	JEN	14.60	mg/kg	J	JEN	15.20	mg/kg	J	JEN	10.50	mg/kg	J	JEN	10.30	mg/kg	J

0009252

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ACID BRICK				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-6"				0-.5"				0-.5"			
Process Area:	2				2				2				2				2			
Sample:	13A-030				13A-031				13A-032				13A-033				13A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3090.00	mg/kg	-		4350.00	mg/kg	-		4630.00	mg/kg	-		642.00	mg/kg	-	•	3550.00	mg/kg	J
Antimony	UJN	1.30	mg/kg	UJ	UN	1.30	mg/kg	UJ	UN	1.30	mg/kg	UJ	URN	1.30	mg/kg	R	UN*	1.20	mg/kg	UJ
Arsenic	B	0.94	mg/kg	-	S	4.80	mg/kg	-		4.50	mg/kg	J	BJW	0.81	mg/kg	J	*	3.80	mg/kg	-
Barium	JN	116.00	mg/kg	J	N	54.30	mg/kg	J	N	46.30	mg/kg	J	E	434.00	mg/kg	J	N*	249.00	mg/kg	J
Beryllium	U	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U	UJN	0.03	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium		0.67	mg/kg	-		1.40	mg/kg	-		1.20	mg/kg	-	UJE	0.08	mg/kg	UJ	N*	0.20	mg/kg	J
Calcium		60600.00	mg/kg	-		173000.00	mg/kg	-		188000.00	mg/kg	-		1020.00	mg/kg	-	*	142000.00	mg/kg	-
Chromium		4.00	mg/kg	-		6.10	mg/kg	-		7.50	mg/kg	-	JEN	3.30	mg/kg	J		13.30	mg/kg	-
Cobalt	B	1.30	mg/kg	-		2.40	mg/kg	-		2.50	mg/kg	-	JN	1.90	mg/kg	UJ	N	3.00	mg/kg	J
Copper	JN*	37.30	mg/kg	J	N*	11.90	mg/kg	J	N*	7.00	mg/kg	J	JN	5.20	mg/kg	-	N*	9.00	mg/kg	J
Iron		2490.00	mg/kg	-		5820.00	mg/kg	-		7200.00	mg/kg	-		1590.00	mg/kg	-		5250.00	mg/kg	-
Lead	N	4.90	mg/kg	-	WN	6.20	mg/kg	J	N	2.60	mg/kg	J	JEN	33.40	mg/kg	J	•	60.60	mg/kg	-
Magnesium		5310.00	mg/kg	-		37900.00	mg/kg	-		42000.00	mg/kg	-	E	133.00	mg/kg	J		38500.00	mg/kg	-
Manganese	JN	70.10	mg/kg	-		228.00	mg/kg	-		255.00	mg/kg	-	JEN	40.10	mg/kg	J	*	193.00	mg/kg	-
Mercury	BJN	0.03	mg/kg	UJ	B	0.03	mg/kg	UJ	BN	0.03	mg/kg	UJ	•	0.05	mg/kg	J	N*	0.48	mg/kg	J
Molybdenum																				
Nickel		4.00	mg/kg	-		4.50	mg/kg	-		4.30	mg/kg	-	JEN	5.80	mg/kg	J	•	5.70	mg/kg	J
Potassium		513.00	mg/kg	-		973.00	mg/kg	-		750.00	mg/kg	-		164.00	mg/kg	U	*	1040.00	mg/kg	-
Selenium	UN	0.54	mg/kg	R	UWN	0.51	mg/kg	R		4.30	mg/kg	J	U	1.00	mg/kg	U	UN	0.94	mg/kg	R
Silicon																				
Silver	JN	1.20	mg/kg	J	N	0.85	mg/kg	J	N	1.50	mg/kg	J	URN	0.13	mg/kg	UJ	UN	0.12	mg/kg	UJ
Sodium		497.00	mg/kg	-		1790.00	mg/kg	-		626.00	mg/kg	-	B	106.00	mg/kg	-	J*	369.00	mg/kg	J
Thallium	U	0.87	mg/kg	U	U	0.90	mg/kg	U	U	0.90	mg/kg	U	U	0.09	mg/kg	U	UE	8.40	mg/kg	UJ
Vanadium		4.30	mg/kg	-		6.90	mg/kg	-		8.50	mg/kg	-	BJN	1.10	mg/kg	J	N*	6.10	mg/kg	J
Zinc		10.00	mg/kg	-		10.80	mg/kg	-		10.70	mg/kg	-	JEN	6.70	mg/kg	UJ	E	191.00	mg/kg	J

00935

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	STEEL COATINGS				STEEL COATINGS				ACID BRICK				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:									0-.5"				0-.5"				0-.5"			
Process Area:	2				2				2				2				2			
Sample:	13A-037				13A-038 DUP				13A-042(TCLP)				13A-044				13A-044R(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																				
Aluminum	*	1710.00	mg/kg	J	*	1800.00	mg/kg	J		13.8000	mg/L	-	JE*	4320.00	mg/kg	J		3.0900	mg/L	-
Antimony	UN*	1.30	mg/kg	UJ	N*	3.10	mg/kg	J	U	0.0500	mg/L	U	UJN	1.30	mg/kg	UJ	U	0.0250	mg/L	U
Arsenic	•	28.00	mg/kg	-	•	37.70	mg/kg	-	U	0.0180	mg/L	U	JN*	2.90	mg/kg	J	UN	0.0100	mg/L	U
Barium	N*	52.00	mg/kg	J	N*	265.00	mg/kg	J		0.2220	mg/L	R	JEN	164.00	mg/kg	J	E	0.7170	mg/L	R
Beryllium	UN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ	U	0.0010	mg/L	U	UJN	0.03	mg/kg	UJ		0.0225	mg/L	-
Cadmium	N*	77.80	mg/kg	J	N*	74.60	mg/kg	J		0.0181	mg/L	-	JE*	1.70	mg/kg	J		0.0312	mg/L	R
Calcium	•	6780.00	mg/kg	-	*	7350.00	mg/kg	-		32.6000	mg/L	-	JE	146000.00	mg/kg	J		3910.0000	mg/L	-
Chromium		178.00	mg/kg	-		232.00	mg/kg	-		0.0491	mg/L	-	JE*	11.20	mg/kg	J		0.0137	mg/L	-
Cobalt	N	19.20	mg/kg	J	N	21.70	mg/kg	J	B	0.0296	mg/L	-	JN*	4.70	mg/kg	J	B	0.0308	mg/L	-
Copper	N*	160.00	mg/kg	J	N*	167.00	mg/kg	J		0.4990	mg/L	-	JEN	31.70	mg/kg	J	B	0.0191	mg/L	U
Iron		20300.00	mg/kg	-		24200.00	mg/kg	-		3.4300	mg/L	-	J*	6850.00	mg/kg	J		0.6160	mg/L	-
Lead	•	8140.00	mg/kg	-	*	33300.00	mg/kg	-	W	0.5870	mg/L	J	JEN	37.10	mg/kg	J	W	0.0075	mg/L	J
Magnesium		3580.00	mg/kg	-		3940.00	mg/kg	-	B	3.5700	mg/L	-	JE	28600.00	mg/kg	J		145.0000	mg/L	-
Manganese	*	173.00	mg/kg	-	•	203.00	mg/kg	-	•	0.4030	mg/L	J	JEN	174.00	mg/kg	J	E	2.1000	mg/L	J
Mercury	N*	1.00	mg/kg	J	N*	0.91	mg/kg	J	U	0.0001	mg/L	UJ		0.18	mg/kg	-	B	0.0001	mg/L	U
Molybdenum																				
Nickel	•	55.80	mg/kg	J	•	56.20	mg/kg	J		1.3000	mg/L	-	JEN	23.00	mg/kg	J	E	0.1250	mg/L	-
Potassium	•	246.00	mg/kg	-	•	289.00	mg/kg	-		11.1000	mg/L	-	J*	818.00	mg/kg	J		17.8000	mg/L	-
Selenium	BEN	1.50	mg/kg	J	UE	1.00	mg/kg	R	UW	0.0200	mg/L	U	UJN	10.00	mg/kg	UJ	UEN	0.0100	mg/L	R
Silicon																				
Silver	N	0.70	mg/kg	J	N	0.88	mg/kg	J	U	0.0050	mg/L	U	JN*	0.40	mg/kg	J	U	0.0020	mg/L	-
Sodium	•	740.00	mg/kg	J	•	742.00	mg/kg	J		1350.0000	mg/L	R		679.00	mg/kg	-	E	14.7000	mg/L	J
Thallium	UN	8.50	mg/kg	UJ	UW	9.30	mg/kg	UJ	UN	0.0180	mg/L	UJ	UJN	9.00	mg/kg	UJ	UNW	0.0010	mg/L	UJ
Vanadium	N*	6.30	mg/kg	J	N*	6.90	mg/kg	J	U	0.0120	mg/L	U	JN*	7.60	mg/kg	J	E	0.6330	mg/L	J
Zinc	E	1070.00	mg/kg	J	E	1090.00	mg/kg	J	•	1.0200	mg/L	R	JEN	61.30	mg/kg	J	•	0.1140	mg/L	R

000274

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				.5-1"				1-6"				0-.5"			
Process Area:	3				3				3				3				3			
Sample:	13A-046				13A-047 DUP				13A-048				13A-049				13A-052			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5060.00	mg/kg	-		5990.00	mg/kg	-		5150.00	mg/kg	-		4520.00	mg/kg	-		4530.00	mg/kg	-
Antimony	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	URN	1.30	mg/kg	R	UN	1.30	mg/kg	R
Arsenic	JN	8.70	mg/kg	J	JN	11.00	mg/kg	J	JN	7.80	mg/kg	J	JN	5.20	mg/kg	J	B	2.90	mg/kg	-
Barium	E	55.40	mg/kg	J	E	65.70	mg/kg	J	E	46.60	mg/kg	J	E	43.30	mg/kg	J	E	38.10	mg/kg	J
Beryllium	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ
Cadmium	EN*	3.10	mg/kg	J	JEN	3.90	mg/kg	J	JEN	6.20	mg/kg	J	JEN	1.90	mg/kg	J	EN*	1.10	mg/kg	J
Calcium		180000.00	mg/kg	-		188000.00	mg/kg	-		194000.00	mg/kg	-		161000.00	mg/kg	-		170000.00	mg/kg	-
Chromium	JEN	11.50	mg/kg	J	JEN	25.00	mg/kg	J	JEN	9.30	mg/kg	J	JEN	9.50	mg/kg	J	EN*	11.40	mg/kg	J
Cobalt	JN	4.20	mg/kg	J	JN	4.90	mg/kg	J	JN	3.00	mg/kg	J	JN	2.80	mg/kg	J	N	2.50	mg/kg	J
Copper	JN	18.30	mg/kg	-	JN	23.50	mg/kg	-	JN	16.50	mg/kg	-	JN	8.70	mg/kg	-	N	9.40	mg/kg	-
Iron		6600.00	mg/kg	-		8280.00	mg/kg	-		6820.00	mg/kg	-		6390.00	mg/kg	-		7010.00	mg/kg	-
Lead	JEN	42.50	mg/kg	J	JEN	111.00	mg/kg	J	JEN	17.10	mg/kg	J	JEN	26.10	mg/kg	J	EN	3.40	mg/kg	UJ
Magnesium	E	37700.00	mg/kg	J	E	36300.00	mg/kg	J	E	42200.00	mg/kg	J	E	42900.00	mg/kg	J	E	49600.00	mg/kg	J
Manganese	JEN	210.00	mg/kg	J	JEN	194.00	mg/kg	J	JEN	193.00	mg/kg	J	JEN	260.00	mg/kg	J	EN	226.00	mg/kg	J
Mercury	*	0.11	mg/kg	J	*	0.09	mg/kg	J	B*	0.04	mg/kg	J	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ
Molybdenum																				
Nickel	JEN	13.50	mg/kg	J	JEN	16.40	mg/kg	J	JEN	8.00	mg/kg	J	JEN	6.10	mg/kg	J	EN	6.00	mg/kg	J
Potassium		1680.00	mg/kg	-		1880.00	mg/kg	-		933.00	mg/kg	-		1190.00	mg/kg	-		809.00	mg/kg	-
Selenium	JN*	3.70	mg/kg	J	JN*	2.90	mg/kg	J	UJ	1.10	mg/kg	U	UJ	1.10	mg/kg	U	UW	1.00	mg/kg	UJ
Silicon																				
Silver	JN*	3.70	mg/kg	J	JN*	5.90	mg/kg	J	JN*	17.70	mg/kg	J	JN*	3.70	mg/kg	J	N*	1.20	mg/kg	J
Sodium		934.00	mg/kg	-		1050.00	mg/kg	-		599.00	mg/kg	-		883.00	mg/kg	-		700.00	mg/kg	-
Thallium	UJW	0.09	mg/kg	UJ	UJW	0.09	mg/kg	UJ	UJW	0.09	mg/kg	UJ	UJW	0.09	mg/kg	UJ	UW	0.09	mg/kg	UJ
Vanadium	JN	10.10	mg/kg	J	JN	11.90	mg/kg	J	JN	8.60	mg/kg	J	JN	7.10	mg/kg	J	N	8.10	mg/kg	J
Zinc	JEN	151.00	mg/kg	J	JEN	201.00	mg/kg	J	JEN	60.00	mg/kg	J	JEN	19.90	mg/kg	J	EN	13.90	mg/kg	J

000455

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-6"				0-.5"				.5-1"				1-6"			
Process Area:	3				3				3				3				3			
Sample:	13A-053				13A-054				13A-056				13A-057				13A-058			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3910.00	mg/kg	-		4490.00	mg/kg	-		5280.00	mg/kg	-		4800.00	mg/kg	-		4250.00	mg/kg	-
Antimony	UN	1.30	mg/kg	R	UN	1.30	mg/kg	R	UN	1.30	mg/kg	R	UN	1.30	mg/kg	R	UN	1.30	mg/kg	R
Arsenic	B	3.10	mg/kg	-	N	3.50	mg/kg	J	N	21.70	mg/kg	J	N	14.50	mg/kg	J	N	9.50	mg/kg	J
Barium	E	92.20	mg/kg	J	E	78.00	mg/kg	J	E	67.10	mg/kg	J	E	47.40	mg/kg	J	E	41.00	mg/kg	J
Beryllium	UN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ	UN	0.03	mg/kg	UJ
Cadmium	EN*	1.50	mg/kg	J	EN*	4.80	mg/kg	J	EN*	2.90	mg/kg	J	EN*	1.60	mg/kg	J	EN*	0.91	mg/kg	J
Calcium		173000.00	mg/kg	-		154000.00	mg/kg	-		200000.00	mg/kg	-		188000.00	mg/kg	-		177000.00	mg/kg	-
Chromium	EN*	9.40	mg/kg	J	EN*	10.50	mg/kg	J	EN*	13.20	mg/kg	J	EN*	7.80	mg/kg	J	EN*	6.70	mg/kg	J
Cobalt	N	2.00	mg/kg	J	N	3.30	mg/kg	J	N	3.30	mg/kg	J	N	2.60	mg/kg	J	N	2.30	mg/kg	J
Copper	N	9.00	mg/kg	-	N	18.60	mg/kg	-	N	53.10	mg/kg	-	N	11.60	mg/kg	-	N	5.60	mg/kg	-
Iron		5890.00	mg/kg	-		7230.00	mg/kg	-		29500.00	mg/kg	-		8670.00	mg/kg	-		7480.00	mg/kg	-
Lead	EN	3.30	mg/kg	UJ	EN	3.40	mg/kg	UJ	EN	67.20	mg/kg	J	EN	7.20	mg/kg	J	EN	4.20	mg/kg	UJ
Magnesium	E	47800.00	mg/kg	J	E	47600.00	mg/kg	J	E	29400.00	mg/kg	J	E	44000.00	mg/kg	J	E	39600.00	mg/kg	J
Manganese	EN	202.00	mg/kg	J	EN	248.00	mg/kg	J	EN	314.00	mg/kg	J	EN	286.00	mg/kg	J	EN	256.00	mg/kg	J
Mercury	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ	B*	0.03	mg/kg	J	U*	0.02	mg/kg	UJ	U*	0.02	mg/kg	UJ
Molybdenum																				
Nickel	EN	4.70	mg/kg	J	EN	5.90	mg/kg	J	EN	10.00	mg/kg	J	EN	5.20	mg/kg	J	EN	5.50	mg/kg	J
Potassium		923.00	mg/kg	-		991.00	mg/kg	-		1350.00	mg/kg	-		858.00	mg/kg	-		720.00	mg/kg	-
Selenium	UW	1.10	mg/kg	UJ	UW	1.10	mg/kg	UJ	N*	6.10	mg/kg	J	N*	2.70	mg/kg	J	UW	1.10	mg/kg	UJ
Silicon																				
Silver	N*	2.20	mg/kg	J	N*	14.10	mg/kg	J	N*	3.40	mg/kg	J	N*	2.80	mg/kg	J	N*	0.90	mg/kg	J
Sodium		534.00	mg/kg	-		607.00	mg/kg	-		971.00	mg/kg	-		500.00	mg/kg	-		410.00	mg/kg	-
Thallium	UW	0.10	mg/kg	UJ	UW	0.10	mg/kg	UJ	UW	0.09	mg/kg	UJ	UW	0.10	mg/kg	UJ	UW	0.10	mg/kg	UJ
Vanadium	N	6.50	mg/kg	J	N	8.50	mg/kg	J	N	6.80	mg/kg	J	N	8.90	mg/kg	J	N	7.90	mg/kg	J
Zinc	EN	16.70	mg/kg	J	EN	19.50	mg/kg	J	EN	54.90	mg/kg	J	EN	14.70	mg/kg	J	EN	12.10	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	ACID BRICK				ACID BRICK				MASONRY CHIPS				STEEL COATINGS				ACID BRICK			
Depth:	0-.5"				0-.5"				0-.5"								0-.5"			
Process Area:	3				3				3				3				3			
Sample:	13A-060				13A-061 DUP				13A-064				13A-066				13A-068			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	JE*	2250.00	mg/kg	J	JE*	1410.00	mg/kg	J	JE*	3510.00	mg/kg	J	*	1340.00	mg/kg	J		4030.00	mg/kg	-
Antimony	UJN	1.20	mg/kg	UJ	UJN	1.20	mg/kg	UJ	UJN	1.20	mg/kg	UJ	N*	4.00	mg/kg	J	URN	1.30	mg/kg	R
Arsenic	BN	0.56	mg/kg	UJ	BN	0.32	mg/kg	UJ	N	4.10	mg/kg	J	B*	57.90	mg/kg	-	JN	5.00	mg/kg	J
Barium	JEN	565.00	mg/kg	J	JEN	449.00	mg/kg	J	JEN	92.90	mg/kg	J	N*	249.00	mg/kg	J	E	1120.00	mg/kg	J
Beryllium	UJN	0.02	mg/kg	UJ	UJN	0.02	mg/kg	UJ	UJN	0.02	mg/kg	UJ	UN	0.03	mg/kg	UJ	UJN	0.03	mg/kg	UJ
Cadmium	JE*	0.61	mg/kg	J	JE*	0.84	mg/kg	J	JE*	1.20	mg/kg	J	N*	26.40	mg/kg	J	JEN	0.69	mg/kg	J
Calcium	JE	1130.00	mg/kg	J	JE	1350.00	mg/kg	J	JE	160000.00	mg/kg	J	*	7290.00	mg/kg	-		5520.00	mg/kg	-
Chromium	JE*	8.90	mg/kg	J	JE*	7.00	mg/kg	J	JE*	16.70	mg/kg	J		963.00	mg/kg	-	JEN	127.00	mg/kg	J
Cobalt	JN*	1.40	mg/kg	J	BJN	1.20	mg/kg	J	JN*	3.00	mg/kg	J	N	31.00	mg/kg	J	JN	1.40	mg/kg	J
Copper	JEN	39.30	mg/kg	J	JEN	42.20	mg/kg	J	JEN	6.30	mg/kg	J	N*	301.00	mg/kg	J	JN	196.00	mg/kg	-
Iron	J*	2040.00	mg/kg	J	J*	1500.00	mg/kg	J	J*	5400.00	mg/kg	J		139000.00	mg/kg	-		9620.00	mg/kg	-
Lead	JEN	77.50	mg/kg	J	JEN	46.10	mg/kg	J	JEN	99.30	mg/kg	J	*	64600.00	mg/kg	-	JEN	78.70	mg/kg	J
Magnesium	JE	471.00	mg/kg	J	JE	470.00	mg/kg	J	JE	44200.00	mg/kg	J		1580.00	mg/kg	-	E	955.00	mg/kg	J
Manganese	JEN	42.60	mg/kg	J	JEN	47.20	mg/kg	J	JEN	157.00	mg/kg	J	*	594.00	mg/kg	-	JEN	54.90	mg/kg	J
Mercury		0.05	mg/kg	-		0.06	mg/kg	-		0.37	mg/kg	-	N*	0.77	mg/kg	J	*	1.20	mg/kg	J
Molybdenum																				
Nickel	JEN	46.80	mg/kg	J	JEN	58.40	mg/kg	J	JEN	4.60	mg/kg	J	*	152.00	mg/kg	J	JEN	31.90	mg/kg	J
Potassium	J*	464.00	mg/kg	J	J*	358.00	mg/kg	J	J*	789.00	mg/kg	J	*	910.00	mg/kg	-		1070.00	mg/kg	-
Selenium	UJW	0.99	mg/kg	UJ	UJN	1.00	mg/kg	UJ	UJN	0.99	mg/kg	UJ	BN	1.10	mg/kg	J	UJ	1.00	mg/kg	U
Silicon																				
Silver	UJN	0.12	mg/kg	UJ	UJN	0.12	mg/kg	UJ	UJN	0.12	mg/kg	UJ	N	0.29	mg/kg	J	JN*	0.48	mg/kg	UJ
Sodium		1070.00	mg/kg	-		891.00	mg/kg	-		346.00	mg/kg	-	*	631.00	mg/kg	J		2200.00	mg/kg	-
Thallium	UJW	0.89	mg/kg	UJ	UJN	0.90	mg/kg	UJ	UJN	0.89	mg/kg	UJ	UW	4.50	mg/kg	UJ	UJW	0.09	mg/kg	UJ
Vanadium	JN*	1.70	mg/kg	J	JN*	1.70	mg/kg	J	JN*	7.00	mg/kg	J	N*	4.90	mg/kg	J	JN	4.10	mg/kg	J
Zinc	JEN	64.30	mg/kg	J	JEN	77.90	mg/kg	J	JEN	89.30	mg/kg	J	E	1660.00	mg/kg	J	JEN	59.50	mg/kg	J

2-95000

2 7 2 69

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	ACID BRICK			CONCRETE CHIPS			CONCRETE CHIPS		
Depth:	0-.5"			0-.5"			0-.5"		
Process Area:	3			3			3		
Sample:	13A-068R(TCLP)			13A-069(TCLP)			13A-070(TCLP) DUP		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals									
Aluminum		15.4000	mg/L -	U	0.0940	mg/L U	U	0.0940	mg/L U
Antimony	U	0.0250	mg/L U	U	0.0500	mg/L U	U	0.0500	mg/L U
Arsenic	BN	0.0023	mg/L -	U	0.0180	mg/L U	U	0.0180	mg/L U
Barium	BE	0.0924	mg/L R		0.2780	mg/L R		0.3250	mg/L R
Beryllium	U	0.0040	mg/L U	U	0.0010	mg/L U	U	0.0010	mg/L U
Cadmium		0.0756	mg/L -		0.0070	mg/L -	B	0.0039	mg/L -
Calcium		155.0000	mg/L -		1750.0000	mg/L -		1490.0000	mg/L -
Chromium		0.1160	mg/L -		0.0185	mg/L -		0.0104	mg/L -
Cobalt	B	0.0464	mg/L -	U	0.0190	mg/L U	U	0.0190	mg/L U
Copper		0.4700	mg/L -	U	0.0240	mg/L U	U	0.0240	mg/L U
Iron		9.1300	mg/L -	B	0.0587	mg/L -	B	0.0420	mg/L -
Lead		1.1400	mg/L -	U	0.0280	mg/L U	UM	0.0280	mg/L U
Magnesium		11.3000	mg/L -		93.5000	mg/L -		91.7000	mg/L -
Manganese	E	0.6450	mg/L -	*	0.7190	mg/L J	*	0.2330	mg/L J
Mercury		0.0007	mg/L -	U	0.0001	mg/L UJ	U	0.0001	mg/L UJ
Molybdenum									
Nickel	E	0.6440	mg/L J		0.1730	mg/L -		0.0401	mg/L -
Potassium		22.4000	mg/L -		43.9000	mg/L -		22.0000	mg/L -
Selenium	UEN	0.0100	mg/L R	U	0.0200	mg/L U	U	0.0200	mg/L U
Silicon									
Silver	U	0.0020	mg/L U	U	0.0050	mg/L U	U	0.0050	mg/L U
Sodium	E	2160.0000	mg/L R		25.0000	mg/L R		13.1000	mg/L R
Thallium	UNW	0.0010	mg/L UJ	UN	0.0180	mg/L UJ	UWN	0.0180	mg/L UJ
Vanadium	BE	0.0185	mg/L -	U	0.0120	mg/L U	U	0.0120	mg/L U
Zinc	*	3.6100	mg/L -	*	0.1160	mg/L R	*	0.1570	mg/L R

000458

Appendix L.2 - Major Media
Category 4 - Process Support
Component 13B - Pilot Plant Maintenance Bldg.
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	13B-003A				13B-004A				13B-005A				13B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		4160.00	mg/kg	-		3740.00	mg/kg	-		4560.00	mg/kg	-		3780.00	mg/kg	-
Antimony	B	6.30	mg/kg	-	B	8.50	mg/kg	-	B	11.40	mg/kg	-		12.20	mg/kg	U
Arsenic		2.80	mg/kg	U		2.90	mg/kg	U		3.10	mg/kg	U	N	2.80	mg/kg	-
Barium		634.00	mg/kg	-		45.60	mg/kg	-		44.90	mg/kg	-	B	28.40	mg/kg	-
Beryllium	B	0.44	mg/kg	U	B	0.46	mg/kg	U	B	0.52	mg/kg	U	B	0.41	mg/kg	U
Cadmium	B	0.77	mg/kg	-	U	0.57	mg/kg	U		1.50	mg/kg	-	U*	0.56	mg/kg	UJ
Calcium		174000.00	mg/kg	-		195000.00	mg/kg	-		196000.00	mg/kg	-		167000.00	mg/kg	-
Chromium		5.40	mg/kg	-		5.50	mg/kg	-		6.50	mg/kg	-		6.30	mg/kg	-
Cobalt	B	3.90	mg/kg	U	B	2.90	mg/kg	U	B	3.50	mg/kg	U	B	3.40	mg/kg	-
Copper		8.00	mg/kg	-	B	4.10	mg/kg	U		6.90	mg/kg	-		9.50	mg/kg	-
Iron		6640.00	mg/kg	-		6420.00	mg/kg	-		7540.00	mg/kg	-		8000.00	mg/kg	-
Lead	SN	8.70	mg/kg	-	+N	2.50	mg/kg	J	SN	2.50	mg/kg	-		3.30	mg/kg	-
Magnesium		35900.00	mg/kg	-		38500.00	mg/kg	-		46400.00	mg/kg	-		41000.00	mg/kg	-
Manganese		276.00	mg/kg	-		271.00	mg/kg	-		325.00	mg/kg	-		256.00	mg/kg	-
Mercury		0.35	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U		0.87	mg/kg	-
Molybdenum																
Nickel	B	5.80	mg/kg	-	B	4.40	mg/kg	-	B	4.20	mg/kg	-	B	6.40	mg/kg	-
Potassium		2470.00	mg/kg	-		1530.00	mg/kg	-	B	813.00	mg/kg	-	U	634.00	mg/kg	U
Selenium	UN	1.80	mg/kg	R	UWN	1.80	mg/kg	R	UWN	1.90	mg/kg	R	UN	3.60	mg/kg	U
Silicon																
Silver	U	0.69	mg/kg	U	U	0.70	mg/kg	U		4.30	mg/kg	U	U	0.68	mg/kg	U
Sodium		1990.00	mg/kg	-	B	955.00	mg/kg	-	B	442.00	mg/kg	-	B	308.00	mg/kg	-
Thallium	UWN	0.30	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ	U	0.14	mg/kg	U
Vanadium	B	5.70	mg/kg	-	B	5.20	mg/kg	U	B	6.10	mg/kg	-	B	8.10	mg/kg	-
Zinc	N*	1010.00	mg/kg	J	N*	14.10	mg/kg	J	N*	19.50	mg/kg	J	N	22.40	mg/kg	J

0009559

2178

Appendix L.2 - Major Media
Category 3 - Process
Component 13C - Sump Pump House
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	13C-003				13C-004				13C-005				13C-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5720.00	mg/kg	-		3800.00	mg/kg	-		3060.00	mg/kg	-		3860.00	mg/kg	-
Antimony	U	50.90	mg/kg	U	U	51.60	mg/kg	U	U	52.40	mg/kg	U	U	50.20	mg/kg	U
Arsenic		3.90	mg/kg	-		2.90	mg/kg	-		3.20	mg/kg	-		3.70	mg/kg	-
Barium		4210.00	mg/kg	-	B	280.00	mg/kg	-	B	33.50	mg/kg	-		1300.00	mg/kg	-
Beryllium	B	1.20	mg/kg	U	B	1.20	mg/kg	U	B	1.20	mg/kg	U	B	1.80	mg/kg	U
Cadmium	B	5.30	mg/kg	U	B	4.30	mg/kg	U	U	3.40	mg/kg	U	B	3.40	mg/kg	U
Calcium		136000.00	mg/kg	-		215000.00	mg/kg	-		182000.00	mg/kg	-		154000.00	mg/kg	-
Chromium	B	10.40	mg/kg	J	U	8.70	mg/kg	UJ	U	8.90	mg/kg	UJ	B	14.30	mg/kg	J
Cobalt	U	8.60	mg/kg	U	U	8.70	mg/kg	U	U	8.90	mg/kg	U	B	11.50	mg/kg	-
Copper		82.70	mg/kg	-	B	11.30	mg/kg	-	B	13.80	mg/kg	-	B	40.40	mg/kg	-
Iron		5800.00	mg/kg	-		8150.00	mg/kg	-		6460.00	mg/kg	-		6790.00	mg/kg	-
Lead		62.60	mg/kg	J		60.20	mg/kg	J		16.90	mg/kg	J		56.30	mg/kg	J
Magnesium		30700.00	mg/kg	-		47600.00	mg/kg	-		54800.00	mg/kg	-		44800.00	mg/kg	-
Manganese		201.00	mg/kg	-		363.00	mg/kg	-		312.00	mg/kg	-		236.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U	B	0.07	mg/kg	-
Molybdenum																
Nickel	U	38.20	mg/kg	U	U	38.70	mg/kg	U	U	39.30	mg/kg	U	U	37.60	mg/kg	U
Potassium	B	762.00	mg/kg	-	U	548.00	mg/kg	U	B	560.00	mg/kg	-	B	1000.00	mg/kg	-
Selenium	U	0.92	mg/kg	R	UW	0.94	mg/kg	R	UW	0.95	mg/kg	R	U	0.91	mg/kg	R
Silicon																
Silver	U	7.60	mg/kg	U	U	7.70	mg/kg	U	U	7.80	mg/kg	U	U	7.50	mg/kg	U
Sodium	B	2770.00	mg/kg	-	B	823.00	mg/kg	-	B	738.00	mg/kg	-	B	1060.00	mg/kg	-
Thallium	U	0.31	mg/kg	U	U	0.31	mg/kg	U	U	0.32	mg/kg	U	U	0.30	mg/kg	U
Vanadium	B	29.30	mg/kg	-	B	61.90	mg/kg	-	B	39.20	mg/kg	-	B	49.20	mg/kg	-
Zinc		47.50	mg/kg	U	B	33.10	mg/kg	U	B	32.10	mg/kg	U		759.00	mg/kg	-

000460

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank Farm
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	13D-002A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		3270.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ
Arsenic		4.00	mg/kg	-
Barium	B	35.80	mg/kg	-
Beryllium	B	0.50	mg/kg	-
Cadmium	U	0.62	mg/kg	U
Calcium		107000.00	mg/kg	-
Chromium		322.00	mg/kg	-
Cobalt	U	1.70	mg/kg	U
Copper		388.00	mg/kg	-
Iron	E	7090.00	mg/kg	J
Lead	S*	20.90	mg/kg	-
Magnesium		33800.00	mg/kg	-
Manganese	E	142.00	mg/kg	J
Mercury	UN	0.10	mg/kg	U
Molybdenum				
Nickel		58.80	mg/kg	-
Potassium	B	663.00	mg/kg	U
Selenium	UN	0.62	mg/kg	U
Silicon				
Silver		5.20	mg/kg	-
Sodium	B	674.00	mg/kg	J
Thallium	U	0.82	mg/kg	U
Vanadium	B	1.60	mg/kg	U
Zinc		40.30	mg/kg	-

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 14A - Administration Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	14A-003				14A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4320.00	mg/kg	-		4380.00	mg/kg	-
Antimony	UN*	2.00	mg/kg	U	UN*	2.00	mg/kg	U
Arsenic	N	3.20	mg/kg	-	N	2.60	mg/kg	-
Barium		41.10	mg/kg	-		43.10	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	UN	0.02	mg/kg	U
Cadmium	N	0.43	mg/kg	U	N	0.38	mg/kg	U
Calcium	E	166000.00	mg/kg	-	E	178000.00	mg/kg	-
Chromium	EN	4.60	mg/kg	-	EN	4.60	mg/kg	-
Cobalt	EN	2.50	mg/kg	-	EN	5.80	mg/kg	-
Copper	N	8.40	mg/kg	-	N	6.00	mg/kg	-
Iron		5410.00	mg/kg	-		5170.00	mg/kg	-
Lead		4.90	mg/kg	U		52.70	mg/kg	-
Magnesium		27900.00	mg/kg	-		32700.00	mg/kg	-
Manganese	E	259.00	mg/kg	-	E	188.00	mg/kg	-
Mercury	UN	0.03	mg/kg	U	UN	0.03	mg/kg	U
Molybdenum								
Nickel	N	4.60	mg/kg	-	N	2.90	mg/kg	-
Potassium		2810.00	mg/kg	-		1130.00	mg/kg	-
Selenium	+	1.00	mg/kg	UJ	+	2.10	mg/kg	UJ
Silicon								
Silver	U	0.18	mg/kg	U	U	0.19	mg/kg	U
Sodium		4400.00	mg/kg	-		522.00	mg/kg	-
Thallium	U	0.30	mg/kg	U	UW	0.30	mg/kg	UJ
Vanadium	N	8.50	mg/kg	-	N	8.30	mg/kg	-
Zinc	N	26.90	mg/kg	-	N	71.10	mg/kg	-

000462

Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				.5-1"				0-.5"			
Process Area:	2				2				1				1				1			
Sample:	15A-003				15A-004				15A-006A				15A-007A				15A-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5940.00	mg/kg	-		3600.00	mg/kg	-		7500.00	mg/kg	-		7140.00	mg/kg	-		4300.00	mg/kg	-
Antimony	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ	UN	9.20	mg/kg	UJ
Arsenic		6.90	mg/kg	-	S	3.80	mg/kg	-	S	6.30	mg/kg	-	S	6.80	mg/kg	-	*	5.10	mg/kg	-
Barium		63.50	mg/kg	-	B	27.30	mg/kg	-		66.30	mg/kg	-		65.10	mg/kg	-	B*	30.90	mg/kg	-
Beryllium	B	0.20	mg/kg	-	B	0.20	mg/kg	-	B	0.28	mg/kg	-	B	0.26	mg/kg	-	U	0.20	mg/kg	U
Cadmium	B	0.79	mg/kg	-	U	0.60	mg/kg	U	B	0.78	mg/kg	-	U	0.61	mg/kg	U	U*	0.60	mg/kg	U
Calcium		170000.00	mg/kg	-		189000.00	mg/kg	-		188000.00	mg/kg	-		193000.00	mg/kg	-	*	160000.00	mg/kg	-
Chromium		9.20	mg/kg	-		11.10	mg/kg	-		11.90	mg/kg	-		11.70	mg/kg	-	*	14.40	mg/kg	-
Cobalt	B	3.30	mg/kg	-	B	2.60	mg/kg	-		220.00	mg/kg	-	B	9.90	mg/kg	-	B	3.20	mg/kg	U
Copper		8.70	mg/kg	-		8.00	mg/kg	-		38.00	mg/kg	-		11.70	mg/kg	-	N*	7.50	mg/kg	-
Iron	E	8260.00	mg/kg	J	E	5270.00	mg/kg	J	E	8960.00	mg/kg	J	E	9180.00	mg/kg	J	*	7130.00	mg/kg	-
Lead	*	4.00	mg/kg	-	S*	25.40	mg/kg	-	S*	22.00	mg/kg	-	*	2.70	mg/kg	-		9.30	mg/kg	-
Magnesium		35500.00	mg/kg	-		46400.00	mg/kg	-		23300.00	mg/kg	-		24800.00	mg/kg	-		43700.00	mg/kg	-
Manganese	E	298.00	mg/kg	J	E	226.00	mg/kg	J	E	251.00	mg/kg	J	E	477.00	mg/kg	J	N*	255.00	mg/kg	J
Mercury	N	0.87	mg/kg	-	N	0.44	mg/kg	-	N	0.52	mg/kg	-	N	0.19	mg/kg	-	U*	0.10	mg/kg	U
Molybdenum																				
Nickel		10.10	mg/kg	U	B	5.80	mg/kg	U		11.80	mg/kg	-		10.90	mg/kg	U		18.00	mg/kg	-
Potassium		1370.00	mg/kg	-	B	869.00	mg/kg	U		1290.00	mg/kg	-		1370.00	mg/kg	-	B	998.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UN	0.60	mg/kg	U	UWN	0.61	mg/kg	UJ	UN	0.61	mg/kg	U	U	0.60	mg/kg	U
Silicon																				
Silver	U	0.81	mg/kg	U	U	0.80	mg/kg	U	B	1.30	mg/kg	-	U	0.81	mg/kg	U	U	0.80	mg/kg	U
Sodium		1130.00	mg/kg	J	B	774.00	mg/kg	J	B	985.00	mg/kg	J	B	986.00	mg/kg	J	B	619.00	mg/kg	J
Thallium	U	0.80	mg/kg	U	U	0.80	mg/kg	U	U	0.81	mg/kg	U	U	0.81	mg/kg	U	U	0.80	mg/kg	U
Vanadium		11.70	mg/kg	-	B	7.60	mg/kg	-		14.40	mg/kg	-		14.10	mg/kg	-		10.20	mg/kg	-
Zinc		50.10	mg/kg	-		27.90	mg/kg	-		54.20	mg/kg	-		24.60	mg/kg	-	*	114.00	mg/kg	-

0093600

0012 69

Appendix L.2 - Major Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				0-.5"			
Process Area:	3				3				3			
Sample:	15A-016				15A-017				15A-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5170.00	mg/kg	-		3870.00	mg/kg	-		3590.00	mg/kg	-
Antimony	UN	9.40	mg/kg	UJ	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ
Arsenic		7.70	mg/kg	-	S	4.80	mg/kg	-		6.90	mg/kg	-
Barium		53.60	mg/kg	-		40.40	mg/kg	-	B	31.30	mg/kg	-
Beryllium	B	0.41	mg/kg	-	U	0.20	mg/kg	U	U	0.20	mg/kg	U
Cadmium	U	0.61	mg/kg	U	U	0.60	mg/kg	U	U	0.61	mg/kg	U
Calcium		181000.00	mg/kg	-		213000.00	mg/kg	-		155000.00	mg/kg	-
Chromium	B	1.40	mg/kg	U		6.00	mg/kg	U		5.60	mg/kg	U
Cobalt	B	2.60	mg/kg	-	B	2.50	mg/kg	-	B	2.30	mg/kg	-
Copper		9.90	mg/kg	-		6.20	mg/kg	-		9.20	mg/kg	-
Iron	E	8160.00	mg/kg	J	E	6950.00	mg/kg	J	E	6210.00	mg/kg	J
Lead	*	5.00	mg/kg	-	*	2.30	mg/kg	-	*	3.60	mg/kg	-
Magnesium		33600.00	mg/kg	-		40500.00	mg/kg	-		47900.00	mg/kg	-
Manganese	E	307.00	mg/kg	J	E	360.00	mg/kg	J	E	233.00	mg/kg	J
Mercury	UN	0.10	mg/kg	U	UN	0.10	mg/kg	U	N	0.79	mg/kg	-
Molybdenum												
Nickel	B	6.80	mg/kg	U	B	6.00	mg/kg	U	B	5.00	mg/kg	U
Potassium		1400.00	mg/kg	-	B	948.00	mg/kg	-	B	837.00	mg/kg	U
Selenium	UWN	0.61	mg/kg	UJ	UWN	0.60	mg/kg	UJ	UWN	0.60	mg/kg	UJ
Silicon												
Silver		2.60	mg/kg	-	U	0.81	mg/kg	U	U	0.81	mg/kg	U
Sodium		1230.00	mg/kg	J	B	964.00	mg/kg	J	B	628.00	mg/kg	J
Thallium	U	0.81	mg/kg	U	U	0.81	mg/kg	U	U	0.80	mg/kg	U
Vanadium	B	4.90	mg/kg	U	B	8.00	mg/kg	-	B	8.40	mg/kg	-
Zinc		42.30	mg/kg	-		17.30	mg/kg	-		19.90	mg/kg	-

000484

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16A-002				16A-003 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	E	11100.00	mg/kg	J	E	10700.00	mg/kg	J
Antimony	UN	1.00	mg/kg	R	BN	1.20	mg/kg	J
Arsenic	N	4.90	mg/kg	-	N	5.90	mg/kg	-
Barium	EN*	52.70	mg/kg	J	EN*	70.80	mg/kg	J
Beryllium	BN	0.12	mg/kg	UJ	BN	0.23	mg/kg	UJ
Cadmium	•	2.30	mg/kg	J	•	1.40	mg/kg	J
Calcium	U	210000.00	mg/kg	-		181000.00	mg/kg	-
Chromium	N	23.90	mg/kg	J	N	8.50	mg/kg	J
Cobalt	N	2.80	mg/kg	J	N	4.60	mg/kg	J
Copper	N	136.00	mg/kg	J	N	107.00	mg/kg	J
Iron	E	8180.00	mg/kg	J	E	8140.00	mg/kg	J
Lead		20.30	mg/kg	J		20.30	mg/kg	J
Magnesium		26600.00	mg/kg	-		19100.00	mg/kg	-
Manganese	E*	153.00	mg/kg	J	E*	144.00	mg/kg	J
Mercury	U*	0.03	mg/kg	U	U*	0.04	mg/kg	U
Molybdenum								
Nickel	N	5.70	mg/kg	J	N	5.40	mg/kg	J
Potassium		1430.00	mg/kg	J		765.00	mg/kg	J
Selenium	BW*	1.80	mg/kg	J	U*	1.30	mg/kg	UJ
Silicon								
Silver		1.00	mg/kg	-		1.20	mg/kg	-
Sodium	E	687.00	mg/kg	J	E	412.00	mg/kg	J
Thallium	UWN	0.32	mg/kg	UJ	UWN	0.32	mg/kg	UJ
Vanadium	N	14.30	mg/kg	J	N	13.80	mg/kg	J
Zinc	E*	1790.00	mg/kg	J	E*	1060.00	mg/kg	J

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	16B-004				16B-005 DUP				16B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	•	5970.00	mg/kg	-	•	5570.00	mg/kg	-		15000.00	mg/kg	-
Antimony	U	9.30	mg/kg	UJ	U	9.40	mg/kg	UJ	UN	9.40	mg/kg	UJ
Arsenic	S*	5.80	mg/kg	-	•	7.40	mg/kg	-	E	5.90	mg/kg	-
Barium		84.30	mg/kg	-		79.00	mg/kg	-		115.00	mg/kg	-
Beryllium	B	0.27	mg/kg	-	B	0.25	mg/kg	-	B	0.83	mg/kg	-
Cadmium	U	0.61	mg/kg	U	U	0.61	mg/kg	U	U	0.61	mg/kg	U
Calcium	•	190000.00	mg/kg	-	•	192000.00	mg/kg	-		89300.00	mg/kg	-
Chromium	•	21.50	mg/kg	-	*	20.10	mg/kg	-		21.50	mg/kg	-
Cobalt	B	3.20	mg/kg	-	B	3.00	mg/kg	-	B	9.80	mg/kg	-
Copper		9.80	mg/kg	-		10.20	mg/kg	-		13.90	mg/kg	-
Iron	E*	8080.00	mg/kg	-	E*	7930.00	mg/kg	-	E	14700.00	mg/kg	J
Lead	N*	5.50	mg/kg	-	N*	5.60	mg/kg	-	N*	4.50	mg/kg	J
Magnesium		36900.00	mg/kg	-		37700.00	mg/kg	-		9240.00	mg/kg	-
Manganese	EN*	340.00	mg/kg	-	EN*	346.00	mg/kg	-	E	287.00	mg/kg	J
Mercury	UN	0.10	mg/kg	U	UN	0.10	mg/kg	U	U	0.08	mg/kg	U
Molybdenum												
Nickel		9.30	mg/kg	U		8.80	mg/kg	U		31.20	mg/kg	-
Potassium		2130.00	mg/kg	-		1880.00	mg/kg	-		6630.00	mg/kg	-
Selenium	UWN	0.61	mg/kg	UJ	UWN	0.61	mg/kg	UJ	U	0.61	mg/kg	U
Silicon												
Silver	U	0.81	mg/kg	U	U	0.81	mg/kg	U	U	0.82	mg/kg	U
Sodium	B	946.00	mg/kg	J	B	935.00	mg/kg	J		1550.00	mg/kg	J
Thallium	U	0.81	mg/kg	U	U	0.81	mg/kg	U	U	0.81	mg/kg	U
Vanadium		13.50	mg/kg	-		12.60	mg/kg	-		29.50	mg/kg	-
Zinc	E*	343.00	mg/kg	-	E*	359.00	mg/kg	-	•	41.50	mg/kg	-

9600

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Transformer
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16C-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		6530.00	mg/kg	-
Antimony	BN	1.20	mg/kg	J
Arsenic	NS	6.20	mg/kg	J
Barium	*	61.20	mg/kg	J
Beryllium		1.90	mg/kg	U
Cadmium	U	0.42	mg/kg	U
Calcium		201000.00	mg/kg	-
Chromium	N*	10.00	mg/kg	J
Cobalt	B	4.90	mg/kg	-
Copper	N*	9.00	mg/kg	J
Iron	*	7230.00	mg/kg	J
Lead	S*	4.90	mg/kg	J
Magnesium		42100.00	mg/kg	-
Manganese	N	308.00	mg/kg	J
Mercury	B	0.09	mg/kg	U
Molybdenum				
Nickel	*	9.50	mg/kg	-
Potassium	B	883.00	mg/kg	-
Selenium	UNW	0.42	mg/kg	UJ
Silicon				
Silver	U	0.42	mg/kg	U
Sodium	B	427.00	mg/kg	-
Thallium	UWN	0.21	mg/kg	UJ
Vanadium		17.50	mg/kg	-
Zinc		30.10	mg/kg	-

29000

2173

Appendix L.2 - Major Media
Category 4 - Process Support
Component 16D - Main Electrical Switch House
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16D-003				16D-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4170.00	mg/kg	-		3430.00	mg/kg	-
Antimony	UN*	2.00	mg/kg	U	UN*	2.00	mg/kg	U
Arsenic	N	2.80	mg/kg	-	N	2.20	mg/kg	-
Barium		154.00	mg/kg	-		595.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	UN	0.03	mg/kg	U
Cadmium	UN	0.11	mg/kg	U	N	19.50	mg/kg	-
Calcium	E	158000.00	mg/kg	-	E	144000.00	mg/kg	-
Chromium	EN	5.10	mg/kg	-	EN	12.20	mg/kg	-
Cobalt	EN	2.50	mg/kg	-	EN	3.60	mg/kg	-
Copper	N	6.00	mg/kg	-	N	8.80	mg/kg	-
Iron		5320.00	mg/kg	-		4790.00	mg/kg	-
Lead		5.80	mg/kg	U		92.20	mg/kg	-
Magnesium		38700.00	mg/kg	-		41000.00	mg/kg	-
Manganese	E	234.00	mg/kg	-	E	147.00	mg/kg	-
Mercury	UN	0.03	mg/kg	U	BN	0.07	mg/kg	-
Molybdenum								
Nickel	N	4.00	mg/kg	-	N	6.60	mg/kg	-
Potassium		2360.00	mg/kg	-		964.00	mg/kg	-
Selenium	S	2.50	mg/kg	U	+	5.00	mg/kg	R
Silicon								
Silver	U	0.19	mg/kg	U	U	0.19	mg/kg	U
Sodium		1410.00	mg/kg	-		451.00	mg/kg	-
Thallium	UW	0.32	mg/kg	UJ	BW	0.32	mg/kg	J
Vanadium	N	8.00	mg/kg	-	N	7.30	mg/kg	-
Zinc	N	16.90	mg/kg	-	N	259.00	mg/kg	-

000428

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16E - Main Electrical Transformers
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16E-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		6860.00	mg/kg	-
Antimony	B	1.90	mg/kg	-
Arsenic		4.90	mg/kg	-
Barium	*	43.70	mg/kg	-
Beryllium	B	0.25	mg/kg	-
Cadmium	U*	0.62	mg/kg	U
Calcium	*	173000.00	mg/kg	-
Chromium	EN*	14.80	mg/kg	-
Cobalt	B	2.20	mg/kg	U
Copper	N*	8.40	mg/kg	-
Iron	E	7090.00	mg/kg	-
Lead	*	4.90	mg/kg	J
Magnesium		20300.00	mg/kg	-
Manganese	EN	189.00	mg/kg	-
Mercury	UN	0.10	mg/kg	U
Molybdenum				
Nickel	E	10.50	mg/kg	-
Potassium		1840.00	mg/kg	-
Selenium	UWN	0.62	mg/kg	UJ
Silicon				
Silver	UN*	0.83	mg/kg	U
Sodium		1240.00	mg/kg	J
Thallium	U	0.83	mg/kg	U
Vanadium		11.70	mg/kg	-
Zinc	E	26.10	mg/kg	-

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16F-002

Metals	LQ	RESULT	UNITS	VQ
Aluminum	E	7670.00	mg/kg	J
Antimony	UN	1.00	mg/kg	R
Arsenic	N	6.70	mg/kg	-
Barium	EN*	56.40	mg/kg	J
Beryllium	UN	0.01	mg/kg	UJ
Cadmium	*	2.70	mg/kg	J
Calcium		218000.00	mg/kg	-
Chromium	N	13.10	mg/kg	J
Cobalt	N	2.80	mg/kg	J
Copper	N	11.10	mg/kg	J
Iron	E	9810.00	mg/kg	J
Lead	W	4.40	mg/kg	J
Magnesium		40500.00	mg/kg	-
Manganese	E*	229.00	mg/kg	J
Mercury	U*	0.04	mg/kg	-
Molybdenum				
Nickel	N	5.80	mg/kg	J
Potassium		2310.00	mg/kg	-
Selenium	U*	1.30	mg/kg	UJ
Silicon				
Silver	U	0.19	mg/kg	U
Sodium	E	588.00	mg/kg	J
Thallium	UWN	0.32	mg/kg	UJ
Vanadium	N	11.50	mg/kg	J
Zinc	E*	23.50	mg/kg	J

OPA600

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16G - Trailer Substation #2
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16G-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4570.00	mg/kg	-
Antimony	B	56.80	mg/kg	U
Arsenic		3.10	mg/kg	-
Barium	BE	43.50	mg/kg	J
Beryllium	U	0.62	mg/kg	U
Cadmium	U	5.70	mg/kg	U
Calcium		160000.00	mg/kg	-
Chromium	B*	8.70	mg/kg	J
Cobalt	U	6.60	mg/kg	U
Copper	B*	24.40	mg/kg	U
Iron		7180.00	mg/kg	-
Lead	*	3.10	mg/kg	J
Magnesium		29200.00	mg/kg	-
Manganese		280.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel	U	24.80	mg/kg	U
Potassium	U	6500.00	mg/kg	U
Selenium	UN	0.72	mg/kg	U
Silicon				
Silver	UN	7.00	mg/kg	U
Sodium	B	395.00	mg/kg	-
Thallium	UW	0.14	mg/kg	UJ
Vanadium	B	25.70	mg/kg	-
Zinc	B	39.80	mg/kg	-

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	18B-002				18B-003				18B-004				18B-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5130.00	mg/kg	-		3940.00	mg/kg	-		4350.00	mg/kg	-		16700.00	mg/kg	-
Antimony	UN	55.30	mg/kg	UJ	UN	55.30	mg/kg	UJ	UN	55.70	mg/kg	UJ		46.90	mg/kg	-
Arsenic	N	3.10	mg/kg	J	N	2.70	mg/kg	J	N	2.20	mg/kg	J	+N	4.20	mg/kg	J
Barium		1020.00	mg/kg	-	B	74.80	mg/kg	-	B	30.10	mg/kg	-		446.00	mg/kg	-
Beryllium	B	1.30	mg/kg	U	B	1.00	mg/kg	U	B	1.00	mg/kg	U	B	0.21	mg/kg	U
Cadmium	U	5.80	mg/kg	U	U	5.80	mg/kg	U	U	5.90	mg/kg	U	N	1.90	mg/kg	J
Calcium		191000.00	mg/kg	-		165000.00	mg/kg	-		174000.00	mg/kg	-		23900.00	mg/kg	-
Chromium	B	11.50	mg/kg	-	B	6.40	mg/kg	-	B	8.70	mg/kg	-		3040.00	mg/kg	-
Cobalt	U	6.70	mg/kg	U	U	6.70	mg/kg	U	U	6.70	mg/kg	U		95.50	mg/kg	-
Copper		131.00	mg/kg	-	B	26.10	mg/kg	U	B	25.60	mg/kg	U		95.50	mg/kg	-
Iron	*	6060.00	mg/kg	-	*	5640.00	mg/kg	-	*	13500.00	mg/kg	-		9310.00	mg/kg	-
Lead	SN	17.50	mg/kg	J	N	3.80	mg/kg	J	N	3.10	mg/kg	J		94300.00	mg/kg	-
Magnesium		40900.00	mg/kg	-		44000.00	mg/kg	-		46600.00	mg/kg	-		3470.00	mg/kg	-
Manganese		258.00	mg/kg	-		186.00	mg/kg	-		255.00	mg/kg	-	N	133.00	mg/kg	J
Mercury	B	0.06	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	N	12.50	mg/kg	-
Molybdenum																
Nickel	U	25.20	mg/kg	U	U	25.30	mg/kg	U	U	25.40	mg/kg	U		15.70	mg/kg	-
Potassium	U	6610.00	mg/kg	U	U	6620.00	mg/kg	U	U	6660.00	mg/kg	U	U	648.00	mg/kg	U
Selenium	BWN	0.35	mg/kg	UJ	BWN	0.20	mg/kg	UJ	BWN	0.26	mg/kg	UJ	UN	3.70	mg/kg	R
Silicon																
Silver	U	7.10	mg/kg	U	U	7.10	mg/kg	U	U	7.10	mg/kg	U	B	1.70	mg/kg	-
Sodium	B	655.00	mg/kg	U	B	537.00	mg/kg	U	B	337.00	mg/kg	U	B	280.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UWN	0.32	mg/kg	UJ	UN	2.20	mg/kg	UJ
Vanadium	B	31.90	mg/kg	-	B	25.00	mg/kg	U	B	26.80	mg/kg	U		14.40	mg/kg	-
Zinc	*	61.00	mg/kg	-	B*	31.50	mg/kg	U	*	103.00	mg/kg	-		1810.00	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	18G-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5640.00	mg/kg	-
Antimony	U	9.40	mg/kg	UJ
Arsenic	S	5.60	mg/kg	-
Barium		571.00	mg/kg	-
Beryllium	B	0.22	mg/kg	-
Cadmium	U	0.61	mg/kg	U
Calcium		172000.00	mg/kg	-
Chromium		10.50	mg/kg	-
Cobalt	B	3.60	mg/kg	-
Copper		45.60	mg/kg	-
Iron		9250.00	mg/kg	-
Lead		16.90	mg/kg	-
Magnesium		39300.00	mg/kg	-
Manganese		638.00	mg/kg	-
Mercury	U	0.10	mg/kg	U
Molybdenum				
Nickel		8.70	mg/kg	U
Potassium		1410.00	mg/kg	-
Selenium	U	0.61	mg/kg	U
Silicon				
Silver	U	0.82	mg/kg	U
Sodium		1740.00	mg/kg	J
Thallium	U	0.81	mg/kg	U
Vanadium		12.70	mg/kg	-
Zinc		56.20	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 18H - BDN Effluent Treatment Facility
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	18H-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5290.00	mg/kg	-
Antimony	UN	9.40	mg/kg	UJ
Arsenic	S	5.60	mg/kg	-
Barium	B	35.50	mg/kg	-
Beryllium	B	0.46	mg/kg	-
Cadmium	U	0.61	mg/kg	U
Calcium		195000.00	mg/kg	-
Chromium		23.60	mg/kg	-
Cobalt	B	1.90	mg/kg	-
Copper		10.90	mg/kg	-
Iron	E	7360.00	mg/kg	J
Lead	•	1.50	mg/kg	-
Magnesium		51800.00	mg/kg	-
Manganese	E	224.00	mg/kg	J
Mercury	UN	0.10	mg/kg	U
Molybdenum				
Nickel		15.60	mg/kg	-
Potassium	B	608.00	mg/kg	U
Selenium	UN	0.61	mg/kg	U
Silicon				
Silver	U	0.82	mg/kg	U
Sodium	B	586.00	mg/kg	J
Thallium	U	0.82	mg/kg	U
Vanadium		26.90	mg/kg	-
Zinc		14.80	mg/kg	-

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	18J-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	E	4330.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R
Arsenic		4.30	mg/kg	-
Barium	E	39.60	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	BN	0.09	mg/kg	UJ
Calcium	E	176000.00	mg/kg	-
Chromium	N	6.80	mg/kg	J
Cobalt	N	3.00	mg/kg	J
Copper	N	8.30	mg/kg	-
Iron	E	5980.00	mg/kg	-
Lead	N	7.30	mg/kg	J
Magnesium	E	35100.00	mg/kg	-
Manganese	E	257.00	mg/kg	-
Mercury	U	0.04	mg/kg	U
Molybdenum				
Nickel	N	6.70	mg/kg	J
Potassium		667.00	mg/kg	-
Selenium	+N	7.70	mg/kg	R
Silicon				
Silver	B	0.19	mg/kg	-
Sodium	E	328.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ
Vanadium	N	9.70	mg/kg	J
Zinc	EN	32.20	mg/kg	J

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 18M - High Nitrate Storage Tank
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	18M-003				18M-004 DUP				18M-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		4740.00	mg/kg	-		5470.00	mg/kg	-		3520.00	mg/kg	-
Antimony	UN	2.40	mg/kg	R	UN	2.20	mg/kg	R	UN*	1.90	mg/kg	R
Arsenic		3.40	mg/kg	-	S	3.50	mg/kg	-	UWN	0.43	mg/kg	R
Barium		27.80	mg/kg	-		33.50	mg/kg	-		23700.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	R
Cadmium	B	0.12	mg/kg	U	B	0.14	mg/kg	U	UN	0.10	mg/kg	R
Calcium		142000.00	mg/kg	-		171000.00	mg/kg	-	E	31400.00	mg/kg	J
Chromium	EN	24.30	mg/kg	J	EN	20.10	mg/kg	J	EN	32.90	mg/kg	J
Cobalt	N	2.50	mg/kg	J	N	2.90	mg/kg	J	EN	43.50	mg/kg	J
Copper		8.70	mg/kg	-		9.30	mg/kg	-	N	9.00	mg/kg	J
Iron	E	6370.00	mg/kg	J	E	6480.00	mg/kg	J		59500.00	mg/kg	-
Lead		3.10	mg/kg	-	S	2.80	mg/kg	-		106.00	mg/kg	-
Magnesium		31300.00	mg/kg	-		35100.00	mg/kg	-		3050.00	mg/kg	-
Manganese	E	128.00	mg/kg	J	E	153.00	mg/kg	J	E	380.00	mg/kg	J
Mercury	U	0.04	mg/kg	U	U	0.04	mg/kg	U	BN	0.07	mg/kg	J
Molybdenum												
Nickel	N	8.70	mg/kg	J	N	9.70	mg/kg	J	N	13.80	mg/kg	J
Potassium		498.00	mg/kg	-		585.00	mg/kg	-	B	148.00	mg/kg	-
Selenium	B	2.60	mg/kg	-	B	1.60	mg/kg	-	U	0.25	mg/kg	R
Silicon												
Silver	U	0.20	mg/kg	U	U	0.18	mg/kg	U		1.30	mg/kg	-
Sodium		255.00	mg/kg	-		253.00	mg/kg	-		310.00	mg/kg	-
Thallium	UWN	0.32	mg/kg	UJ	UWN	0.31	mg/kg	UJ	U	0.30	mg/kg	U
Vanadium		22.00	mg/kg	-		23.90	mg/kg	-	BN	0.23	mg/kg	J
Zinc		13.10	mg/kg	U		18.10	mg/kg	U	N	12.50	mg/kg	J

92-600

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-6"								0-.5"			
Process Area:	1				1				1				2				2			
Sample:	19D-003				19D-004				19D-005				19D-007				19D-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6110.00	mg/kg	-		5050.00	mg/kg	-		4350.00	mg/kg	-		1940.00	mg/kg	-		4300.00	mg/kg	-
Antimony	UJN	1.30	mg/kg	UJ	UJN	1.30	mg/kg	UJ	UN	1.30	mg/kg	UJ	UJN	1.30	mg/kg	UJ	UJN	1.20	mg/kg	UJ
Arsenic	B	5.00	mg/kg	-		5.70	mg/kg	-	B	3.60	mg/kg	-	B	41.60	mg/kg	-	B	4.00	mg/kg	-
Barium	JN	51.90	mg/kg	J	JN	43.20	mg/kg	J	JN	37.40	mg/kg	J	JN	13.40	mg/kg	J	JN	40.60	mg/kg	J
Beryllium	U	0.03	mg/kg	U	U	0.03	mg/kg	U	U	0.03	mg/kg	U		0.16	mg/kg	U	U	0.02	mg/kg	U
Cadmium		2.10	mg/kg	-		0.25	mg/kg	U		0.87	mg/kg	-		0.48	mg/kg	U		0.70	mg/kg	-
Calcium		175000.00	mg/kg	-		194000.00	mg/kg	-		200000.00	mg/kg	-		1070.00	mg/kg	-		181000.00	mg/kg	-
Chromium	J*	15.60	mg/kg	J	J*	6.90	mg/kg	J	J*	5.90	mg/kg	J	J*	26.80	mg/kg	J	J*	14.50	mg/kg	J
Cobalt		3.20	mg/kg	-		2.70	mg/kg	-		2.40	mg/kg	-		1.70	mg/kg	-		2.80	mg/kg	-
Copper		19.50	mg/kg	-		8.00	mg/kg	-		6.90	mg/kg	-		15.50	mg/kg	-		16.00	mg/kg	-
Iron		9730.00	mg/kg	-		8430.00	mg/kg	-		6920.00	mg/kg	-		19700.00	mg/kg	-		8860.00	mg/kg	-
Lead		127.00	mg/kg	-		10.80	mg/kg	-		3.50	mg/kg	J		658.00	mg/kg	-		124.00	mg/kg	-
Magnesium		29400.00	mg/kg	-		27900.00	mg/kg	-		42700.00	mg/kg	-		2900.00	mg/kg	-		35400.00	mg/kg	-
Manganese		221.00	mg/kg	-		259.00	mg/kg	-		223.00	mg/kg	-		85.60	mg/kg	-		260.00	mg/kg	-
Mercury		0.10	mg/kg	-	B	0.04	mg/kg	-	B	0.03	mg/kg	-		0.16	mg/kg	-	B	0.03	mg/kg	-
Molybdenum																				
Nickel	J*	9.30	mg/kg	J	J*	6.00	mg/kg	J	J*	4.50	mg/kg	J	J*	8.40	mg/kg	J	J*	8.10	mg/kg	J
Potassium		989.00	mg/kg	-		798.00	mg/kg	-		678.00	mg/kg	-		890.00	mg/kg	-		871.00	mg/kg	-
Selenium	U	1.10	mg/kg	U	U	1.10	mg/kg	U	UW	1.10	mg/kg	UJ	UM	10.10	mg/kg	U	U	1.00	mg/kg	U
Silicon																				
Silver		0.71	mg/kg	U		0.60	mg/kg	U		2.80	mg/kg	-	U	0.13	mg/kg	U	B	0.19	mg/kg	U
Sodium		405.00	mg/kg	-		344.00	mg/kg	-		304.00	mg/kg	-		163.00	mg/kg	-		356.00	mg/kg	-
Thallium	U	0.88	mg/kg	U	U	0.97	mg/kg	U	UW	0.96	mg/kg	UJ	U	9.10	mg/kg	U	UW	0.91	mg/kg	UJ
Vanadium	J*	10.40	mg/kg	J	J*	9.20	mg/kg	J	•	7.80	mg/kg	J	UJ*	0.30	mg/kg	UJ	J*	8.30	mg/kg	J
Zinc		29.10	mg/kg	-		15.80	mg/kg	-		13.40	mg/kg	-		47.70	mg/kg	-		26.10	mg/kg	-

2213000

2212

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-6"			
Process Area:	2				2			
Sample:	19D-010				19D-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3740.00	mg/kg	-		4270.00	mg/kg	-
Antimony	UJN	1.20	mg/kg	UJ	UN	1.30	mg/kg	UJ
Arsenic	B	3.70	mg/kg	-	B	3.80	mg/kg	-
Barium	JN	34.50	mg/kg	J	JN	40.00	mg/kg	J
Beryllium	U	0.02	mg/kg	U	U	0.03	mg/kg	U
Cadmium		0.38	mg/kg	U		0.70	mg/kg	-
Calcium		212000.00	mg/kg	-		172000.00	mg/kg	-
Chromium	J*	5.30	mg/kg	J	J*	6.40	mg/kg	J
Cobalt		2.70	mg/kg	-		2.50	mg/kg	-
Copper		6.20	mg/kg	-		6.60	mg/kg	-
Iron		7150.00	mg/kg	-		7190.00	mg/kg	-
Lead		3.30	mg/kg	J		4.20	mg/kg	J
Magnesium		34200.00	mg/kg	-		39000.00	mg/kg	-
Manganese		360.00	mg/kg	-		245.00	mg/kg	-
Mercury		0.20	mg/kg	-	B	0.03	mg/kg	-
Molybdenum								
Nickel	J*	4.60	mg/kg	J	J*	4.60	mg/kg	J
Potassium		790.00	mg/kg	-		1100.00	mg/kg	-
Selenium	U	1.00	mg/kg	U	U	1.00	mg/kg	U
Silicon								
Silver		1.40	mg/kg	-		2.30	mg/kg	-
Sodium		409.00	mg/kg	-		472.00	mg/kg	-
Thallium	UW	0.90	mg/kg	UJ	UW	0.93	mg/kg	UJ
Vanadium	J*	7.00	mg/kg	J	J*	8.30	mg/kg	J
Zinc		11.20	mg/kg	-		13.20	mg/kg	-

00078

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 20C - Cooling Towers
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	20C-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5020.00	mg/kg	-
Antimony	UN	53.90	mg/kg	UJ
Arsenic	N	3.90	mg/kg	J
Barium	B	108.00	mg/kg	-
Beryllium	B	1.30	mg/kg	U
Cadmium	U	5.70	mg/kg	U
Calcium		195000.00	mg/kg	-
Chromium		261.00	mg/kg	-
Cobalt	U	6.50	mg/kg	U
Copper	B	30.10	mg/kg	U
Iron	*	8960.00	mg/kg	-
Lead	N	79.20	mg/kg	J
Magnesium		39300.00	mg/kg	-
Manganese		395.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel	U	24.60	mg/kg	U
Potassium	U	6450.00	mg/kg	U
Selenium	BWN	0.19	mg/kg	UJ
Silicon				
Silver	U	6.90	mg/kg	U
Sodium	B	614.00	mg/kg	U
Thallium	UWN	0.31	mg/kg	UJ
Vanadium	B	35.40	mg/kg	-
Zinc	*	75.60	mg/kg	-

Appendix L.2 - Major Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	22E-002				22E-003				22E-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5360.00	mg/kg	-		3330.00	mg/kg	-		4640.00	mg/kg	-
Antimony	UN	54.70	mg/kg	UJ	UN	54.60	mg/kg	UJ	UN	54.80	mg/kg	UJ
Arsenic	N	3.70	mg/kg	J	N	2.60	mg/kg	J	N	3.70	mg/kg	J
Barium	B	69.50	mg/kg	-	B	39.40	mg/kg	-	B	51.30	mg/kg	-
Beryllium	B	1.30	mg/kg	U	B	1.30	mg/kg	U	B	1.30	mg/kg	U
Cadmium	U	5.80	mg/kg	U	U	5.80	mg/kg	U		12.50	mg/kg	U
Calcium		187000.00	mg/kg	-		192000.00	mg/kg	-		188000.00	mg/kg	-
Chromium	U	6.00	mg/kg	U	U	6.00	mg/kg	-	U	6.00	mg/kg	U
Cobalt	U	6.60	mg/kg	U	U	6.60	mg/kg	U	B	7.10	mg/kg	-
Copper	B	23.20	mg/kg	U	B	21.80	mg/kg	U	B	33.60	mg/kg	U
Iron	*	8590.00	mg/kg	-	*	5580.00	mg/kg	-	*	7540.00	mg/kg	-
Lead	N	3.50	mg/kg	J	N	1.80	mg/kg	UJ	N	2.90	mg/kg	J
Magnesium		41600.00	mg/kg	-		59600.00	mg/kg	-		45200.00	mg/kg	-
Manganese		329.00	mg/kg	-		803.00	mg/kg	-		355.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel	U	25.00	mg/kg	U	U	24.90	mg/kg	U	U	25.00	mg/kg	U
Potassium	U	6540.00	mg/kg	U	U	6540.00	mg/kg	U	U	6560.00	mg/kg	U
Selenium	UWN	0.14	mg/kg	UJ	BWN	0.15	mg/kg	UJ	UWN	0.14	mg/kg	UJ
Silicon												
Silver	U	7.00	mg/kg	U	U	7.00	mg/kg	U		38.80	mg/kg	-
Sodium	B	428.00	mg/kg	U	B	438.00	mg/kg	U	B	512.00	mg/kg	U
Thallium	UWN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ	UN	0.31	mg/kg	UJ
Vanadium	B	34.20	mg/kg	-	B	30.00	mg/kg	U	B	33.40	mg/kg	-
Zinc	B*	34.20	mg/kg	U	B*	27.30	mg/kg	U	B*	37.30	mg/kg	U

Appendix L.2 - Major Media
Category 4 - Process Support
Component 24A - Railroad Scale House
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	24A-003				24A-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	E*	6600.00	mg/kg	J	E*	3840.00	mg/kg	J
Antimony	U	50.80	mg/kg	U	U	50.50	mg/kg	U
Arsenic		4.40	mg/kg	-		2.70	mg/kg	-
Barium	B	98.80	mg/kg	-	B	228.00	mg/kg	-
Beryllium	B	0.74	mg/kg	U	B	0.73	mg/kg	U
Cadmium	U*	3.30	mg/kg	U	U*	3.30	mg/kg	U
Calcium	E	206000.00	mg/kg	J	E	162000.00	mg/kg	J
Chromium	U*	8.60	mg/kg	UJ	B*	9.50	mg/kg	J
Cobalt	B	11.00	mg/kg	U	U	8.50	mg/kg	U
Copper	UN*	10.00	mg/kg	UJ	UN*	10.00	mg/kg	UJ
Iron	*	9560.00	mg/kg	J	*	6810.00	mg/kg	J
Lead	*	54.80	mg/kg	J	*	74.60	mg/kg	J
Magnesium		36900.00	mg/kg	-		43100.00	mg/kg	-
Manganese	N*	356.00	mg/kg	J	N*	250.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	B	0.06	mg/kg	-
Molybdenum								
Nickel	U	38.10	mg/kg	U	U	37.80	mg/kg	U
Potassium	B	2300.00	mg/kg	U	B	1360.00	mg/kg	U
Selenium	UWN	0.37	mg/kg	R	UWN	0.37	mg/kg	R
Silicon								
Silver	U	7.60	mg/kg	U	U	7.50	mg/kg	U
Sodium	B	1080.00	mg/kg	-	B	605.00	mg/kg	U
Thallium	UW	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ
Vanadium	B	53.10	mg/kg	-	B	50.30	mg/kg	-
Zinc	N*	111.00	mg/kg	J	N*	271.00	mg/kg	J

Appendix L.2 - Major Media
Category 4 - Process Support
Component 24B - Railroad Engine House
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	24B-003				24B-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	*	3760.00	mg/kg	-	E	4110.00	mg/kg	J
Antimony	U	9.40	mg/kg	U	U	9.20	mg/kg	U
Arsenic	N	2.90	mg/kg	J		5.90	mg/kg	-
Barium		49.30	mg/kg	-		611.00	mg/kg	-
Beryllium	U	0.20	mg/kg	U		0.20	mg/kg	-
Cadmium	UN*	1.00	mg/kg	UJ	N	1.50	mg/kg	J
Calcium		156000.00	mg/kg	-	E	187000.00	mg/kg	J
Chromium		24.90	mg/kg	-		18.10	mg/kg	-
Cobalt	B	4.20	mg/kg	U	B	4.90	mg/kg	U
Copper		36.40	mg/kg	-		7.30	mg/kg	-
Iron		19700.00	mg/kg	-	E	6450.00	mg/kg	J
Lead	S*	58.80	mg/kg	-	*	92.80	mg/kg	-
Magnesium		43600.00	mg/kg	-	E	33000.00	mg/kg	J
Manganese	N*E	343.00	mg/kg	J	E	270.00	mg/kg	J
Mercury	UN*	0.03	mg/kg	U		0.10	mg/kg	U
Molybdenum								
Nickel		48.70	mg/kg	-	B	7.00	mg/kg	U
Potassium	B	635.00	mg/kg	-	B	584.00	mg/kg	-
Selenium	UNW	0.41	mg/kg	R	UN	4.00	mg/kg	R
Silicon								
Silver	UN	1.40	mg/kg	U	U	1.40	mg/kg	U
Sodium	B	501.00	mg/kg	-	B	424.00	mg/kg	-
Thallium	BN	0.45	mg/kg	J	UNW	0.40	mg/kg	UJ
Vanadium		11.70	mg/kg	-		10.10	mg/kg	-
Zinc	*N	86.00	mg/kg	J		394.00	mg/kg	-

00482

Appendix L.2 - Major Media
Category 4 - Process Support
Component 25E - Digester & Control Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-6"				0-.5"			
Process Area:	1				1				1				1			
Sample:	25E-003				25E-004				25E-005				25E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		4760.00	mg/kg	J		4830.00	mg/kg	J		4940.00	mg/kg	J		4910.00	mg/kg	J
Antimony	U	14.50	mg/kg	U	U	7.30	mg/kg	U	U	7.50	mg/kg	U	U	7.30	mg/kg	U
Arsenic	UWN	2.10	mg/kg	UJ	BMN	6.80	mg/kg	J	BEN	7.40	mg/kg	J	BWN	3.80	mg/kg	UJ
Barium		90.20	mg/kg	-		75.80	mg/kg	-		59.70	mg/kg	-		80.50	mg/kg	-
Beryllium	U	0.40	mg/kg	U	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	0.20	mg/kg	U
Cadmium	B	1.30	mg/kg	-	U	0.61	mg/kg	U	U	0.62	mg/kg	U	U	0.61	mg/kg	U
Calcium		212000.00	mg/kg	-		203000.00	mg/kg	-		202000.00	mg/kg	-		151000.00	mg/kg	-
Chromium	EN*	9.70	mg/kg	J	EN*	6.80	mg/kg	J	EN*	7.30	mg/kg	J	EN*	31.20	mg/kg	J
Cobalt	B	2.90	mg/kg	U	B	1.70	mg/kg	U	B	1.80	mg/kg	U	B	5.70	mg/kg	-
Copper	BN*	7.90	mg/kg	UJ	N*	7.90	mg/kg	J	N*	6.90	mg/kg	J	N*	18.70	mg/kg	J
Iron		7640.00	mg/kg	J		8220.00	mg/kg	J		7560.00	mg/kg	J		7850.00	mg/kg	J
Lead	•	2.60	mg/kg	UJ	*	2.30	mg/kg	UJ	•	2.40	mg/kg	UJ	N*	153.00	mg/kg	J
Magnesium	•	56700.00	mg/kg	J	•	64800.00	mg/kg	J	*	60500.00	mg/kg	J	•	36400.00	mg/kg	J
Manganese		500.00	mg/kg	-		392.00	mg/kg	-		327.00	mg/kg	-		255.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U	0.10	mg/kg	U		4.60	mg/kg	-
Molybdenum																
Nickel	BN	7.10	mg/kg	J	N	8.40	mg/kg	J	N	10.30	mg/kg	J	N	8.70	mg/kg	J
Potassium	B	659.00	mg/kg	-	B	857.00	mg/kg	-	B	861.00	mg/kg	-		2120.00	mg/kg	-
Selenium	UW	0.41	mg/kg	UJ	UW	0.41	mg/kg	U	B	0.47	mg/kg	-	U	0.40	mg/kg	U
Silicon																
Silver	B	3.80	mg/kg	-	U	0.81	mg/kg	U	U	0.83	mg/kg	U	U	0.81	mg/kg	U
Sodium	B	704.00	mg/kg	J	B	775.00	mg/kg	J	B	790.00	mg/kg	J		1140.00	mg/kg	J
Thallium	U	0.62	mg/kg	U	U	0.62	mg/kg	U	UW	0.62	mg/kg	U	U	0.61	mg/kg	U
Vanadium	B	12.60	mg/kg	-		14.10	mg/kg	-		13.10	mg/kg	-		14.20	mg/kg	-
Zinc	N*	21.80	mg/kg	J	N*	16.20	mg/kg	J	N*	14.10	mg/kg	J	N*	588.00	mg/kg	J

000383

21783

Appendix L.2 - Major Media
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	25F-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5390.00	mg/kg	-
Antimony	UN	54.80	mg/kg	UJ
Arsenic	N	3.90	mg/kg	J
Barium	B	53.70	mg/kg	-
Beryllium	B	1.30	mg/kg	U
Cadmium	U	5.80	mg/kg	U
Calcium		201000.00	mg/kg	-
Chromium	U	6.00	mg/kg	U
Cobalt	U	6.60	mg/kg	U
Copper	B	25.60	mg/kg	U
Iron	*	9330.00	mg/kg	-
Lead	N	2.60	mg/kg	UJ
Magnesium		48900.00	mg/kg	-
Manganese		311.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel	U	25.00	mg/kg	U
Potassium	U	6550.00	mg/kg	U
Selenium	UN	0.14	mg/kg	UJ
Silicon				
Silver	U	7.00	mg/kg	U
Sodium	B	423.00	mg/kg	U
Thallium	UWN	0.31	mg/kg	UJ
Vanadium	B	34.50	mg/kg	U
Zinc	B*	30.30	mg/kg	U

000284

Appendix L.2 - Major Media
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-6"			
Process Area:	1				1				1			
Sample:	25G-003				25G-004				25G-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		6050.00	mg/kg	J		6870.00	mg/kg	J		5900.00	mg/kg	J
Antimony	U	14.60	mg/kg	U	U	14.60	mg/kg	U	U	14.80	mg/kg	U
Arsenic	BMN	3.10	mg/kg	UJ	BMN	3.00	mg/kg	UJ	BWN	6.70	mg/kg	J
Barium	B	61.30	mg/kg	-	B	59.30	mg/kg	-	B	56.90	mg/kg	-
Beryllium	U	0.40	mg/kg	U	U	0.41	mg/kg	U	U	0.41	mg/kg	U
Cadmium	U	1.20	mg/kg	U	U	1.20	mg/kg	U	U	1.20	mg/kg	U
Calcium		218000.00	mg/kg	-		205000.00	mg/kg	-		206000.00	mg/kg	-
Chromium	EN*	9.20	mg/kg	J	EN*	9.50	mg/kg	J	EN*	8.60	mg/kg	J
Cobalt	U	2.00	mg/kg	U	B	3.00	mg/kg	U	B	3.00	mg/kg	U
Copper	BN*	8.10	mg/kg	J	BN*	8.60	mg/kg	J	BN*	7.20	mg/kg	J
Iron		8860.00	mg/kg	J		9460.00	mg/kg	J		8210.00	mg/kg	J
Lead	*	3.90	mg/kg	J	*	4.20	mg/kg	J	*	1.50	mg/kg	UJ
Magnesium	*	45800.00	mg/kg	J	*	38400.00	mg/kg	J	*	51200.00	mg/kg	J
Manganese		354.00	mg/kg	-		384.00	mg/kg	-		299.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.09	mg/kg	U	U	0.10	mg/kg	U
Molybdenum												
Nickel	BN	8.20	mg/kg	J	BN	10.10	mg/kg	J	BN	8.40	mg/kg	J
Potassium	B	797.00	mg/kg	-	B	967.00	mg/kg	-	B	1040.00	mg/kg	-
Selenium	U	0.41	mg/kg	U	U	0.41	mg/kg	U	BW	0.49	mg/kg	J
Silicon												
Silver	U	1.60	mg/kg	U	B	2.60	mg/kg	-	B	2.00	mg/kg	-
Sodium	B	714.00	mg/kg	J	B	779.00	mg/kg	J	B	807.00	mg/kg	J
Thallium	U	0.62	mg/kg	U	U	0.61	mg/kg	U	U	0.61	mg/kg	U
Vanadium	B	15.70	mg/kg	-	B	16.90	mg/kg	-	B	13.80	mg/kg	-
Zinc	N*	34.80	mg/kg	J	N*	22.60	mg/kg	J	N*	16.10	mg/kg	UJ

Appendix L.2 - Major Media
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	25H-002				25H-003				25H-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	E*	5880.00	mg/kg	J	E*	5640.00	mg/kg	J	E*	4960.00	mg/kg	J
Antimony	U	51.80	mg/kg	U	U	51.90	mg/kg	U	U	51.70	mg/kg	U
Arsenic		5.80	mg/kg	-		5.20	mg/kg	-		4.60	mg/kg	-
Barium	B	112.00	mg/kg	-	B	109.00	mg/kg	-	B	86.70	mg/kg	-
Beryllium	B	0.75	mg/kg	U	B	1.10	mg/kg	U	B	1.50	mg/kg	U
Cadmium	U*	3.30	mg/kg	U	U*	3.40	mg/kg	U	U*	3.30	mg/kg	U
Calcium	E	222000.00	mg/kg	J	E	215000.00	mg/kg	J	E	212000.00	mg/kg	J
Chromium	U*	8.80	mg/kg	UJ	U*	8.80	mg/kg	UJ	U*	8.80	mg/kg	UJ
Cobalt	U	8.80	mg/kg	U	U	8.80	mg/kg	U	U	8.80	mg/kg	U
Copper	UN*	10.20	mg/kg	UJ	UN*	10.30	mg/kg	UJ	UN*	10.20	mg/kg	UJ
Iron	*	8880.00	mg/kg	J	*	9020.00	mg/kg	J	*	9860.00	mg/kg	J
Lead	S*	12.50	mg/kg	J	S*	10.70	mg/kg	J	*	26.80	mg/kg	J
Magnesium		53300.00	mg/kg	-		52700.00	mg/kg	-		64200.00	mg/kg	-
Manganese	N*	538.00	mg/kg	J	N*	548.00	mg/kg	J	N*	471.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel	U	38.80	mg/kg	U	U	39.00	mg/kg	U	U	38.80	mg/kg	U
Potassium	B	552.00	mg/kg	U	B	1090.00	mg/kg	U	B	963.00	mg/kg	U
Selenium	UWN	0.38	mg/kg	R	UWN	0.38	mg/kg	R	UWN	0.38	mg/kg	R
Silicon												
Silver	U	7.70	mg/kg	U	U	7.70	mg/kg	U	U	7.70	mg/kg	U
Sodium	B	441.00	mg/kg	U	B	486.00	mg/kg	U	B	526.00	mg/kg	U
Thallium	UW	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ	UW	0.31	mg/kg	UJ
Vanadium	B	48.60	mg/kg	-	B	59.10	mg/kg	-	B	43.70	mg/kg	-
Zinc	N*	47.20	mg/kg	J	BN*	37.10	mg/kg	J	BN*	36.90	mg/kg	J

9500

Appendix L.2 - Major Media
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	26C-003				26C-004				26C-005				26C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5760.00	mg/kg	-		4850.00	mg/kg	-		5080.00	mg/kg	-		7410.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ	UN	9.60	mg/kg	UJ	UN	9.60	mg/kg	UJ	UN	9.50	mg/kg	UJ
Arsenic	SN*	4.10	mg/kg	-	N*	4.30	mg/kg	-	N*	4.50	mg/kg	-	N*	6.30	mg/kg	-
Barium		63.90	mg/kg	-		50.20	mg/kg	-		53.90	mg/kg	-		73.90	mg/kg	-
Beryllium	U	0.21	mg/kg	U	U	0.21	mg/kg	U	U	0.21	mg/kg	U	B	0.29	mg/kg	-
Cadmium	B	0.85	mg/kg	U		1.40	mg/kg	U		1.80	mg/kg	U	U	0.62	mg/kg	U
Calcium	E	191000.00	mg/kg	J	E	190000.00	mg/kg	J	E	187000.00	mg/kg	J	E	195000.00	mg/kg	J
Chromium	EN*	7.60	mg/kg	J	EN*	7.50	mg/kg	J	EN*	7.90	mg/kg	J	EN*	10.10	mg/kg	J
Cobalt	B	3.20	mg/kg	-	B	3.10	mg/kg	-	B	2.80	mg/kg	-	B	3.70	mg/kg	-
Copper	N*	14.80	mg/kg	J	N*	13.10	mg/kg	J	N*	19.80	mg/kg	J	N*	8.60	mg/kg	J
Iron		7830.00	mg/kg	-		6380.00	mg/kg	-		6830.00	mg/kg	-		9240.00	mg/kg	-
Lead		7.10	mg/kg	-		4.10	mg/kg	-		2.20	mg/kg	U		3.30	mg/kg	-
Magnesium		48500.00	mg/kg	-		57100.00	mg/kg	-		51300.00	mg/kg	-		33500.00	mg/kg	-
Manganese	E	312.00	mg/kg	J	E	298.00	mg/kg	J	E	287.00	mg/kg	J	E	356.00	mg/kg	J
Mercury		12.60	mg/kg	-		1.60	mg/kg	-		0.19	mg/kg	-		5.20	mg/kg	-
Molybdenum																
Nickel	N*	8.40	mg/kg	J	BN*	4.70	mg/kg	J	BN*	7.80	mg/kg	J	BN*	6.30	mg/kg	J
Potassium		1240.00	mg/kg	-	B	704.00	mg/kg	-	B	800.00	mg/kg	-		3010.00	mg/kg	-
Selenium	UWN	0.61	mg/kg	UJ	UWN	0.62	mg/kg	UJ	UN	3.10	mg/kg	U	UN	3.10	mg/kg	U
Silicon																
Silver	U	0.82	mg/kg	U		3.50	mg/kg	-		6.20	mg/kg	-	U	0.83	mg/kg	U
Sodium	B	899.00	mg/kg	J	B	754.00	mg/kg	J	B	697.00	mg/kg	J		1450.00	mg/kg	J
Thallium	U	0.82	mg/kg	U	U	0.83	mg/kg	U	U	0.83	mg/kg	U	U	0.83	mg/kg	U
Vanadium		11.00	mg/kg	-	B	10.10	mg/kg	-		10.60	mg/kg	-		13.10	mg/kg	-
Zinc	E	190.00	mg/kg	J	E	32.80	mg/kg	J	E	21.00	mg/kg	J	E	77.80	mg/kg	J

000487

2173

Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 28A - Security Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	28A-003				28A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5790.00	mg/kg	-		4970.00	mg/kg	-
Antimony	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ
Arsenic		13.10	mg/kg	-		3.30	mg/kg	-
Barium		59.60	mg/kg	-		64.30	mg/kg	-
Beryllium	B	0.27	mg/kg	-	B	0.25	mg/kg	-
Cadmium	B	0.80	mg/kg	U		11.80	mg/kg	-
Calcium		167000.00	mg/kg	-		169000.00	mg/kg	-
Chromium		85.60	mg/kg	-		26.10	mg/kg	-
Cobalt	B	7.50	mg/kg	-	B	4.90	mg/kg	-
Copper		169.00	mg/kg	-		7.60	mg/kg	-
Iron	E	89300.00	mg/kg	J	E	6950.00	mg/kg	J
Lead	N*	7.80	mg/kg	J		115.00	mg/kg	R
Magnesium		28600.00	mg/kg	-		47600.00	mg/kg	-
Manganese	E	831.00	mg/kg	J	E	266.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U
Molybdenum								
Nickel		55.70	mg/kg	-	B	8.00	mg/kg	-
Potassium		1980.00	mg/kg	-		1330.00	mg/kg	-
Selenium	U	0.60	mg/kg	U	UW	0.61	mg/kg	UJ
Silicon								
Silver	U	0.81	mg/kg	U	U	0.81	mg/kg	U
Sodium		1580.00	mg/kg	J	B	810.00	mg/kg	J
Thallium	U	0.80	mg/kg	U	U	0.81	mg/kg	U
Vanadium		16.40	mg/kg	-		10.80	mg/kg	-
Zinc	*	19.80	mg/kg	-	*	126.00	mg/kg	-

00028

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 30A - Chemical Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"								0-.5"								0-.5"			
Process Area:	1				1				2				1				3			
Sample:	30A-003				30A-004				30A-006				30A-007				30A-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		4390.00	mg/kg	-		19800.00	mg/kg	-		4220.00	mg/kg	-		12300.00	mg/kg	-		4170.00	mg/kg	-
Antimony	UN*	1.90	mg/kg	U		224.00	mg/kg	-	UN*	2.00	mg/kg	U		133.00	mg/kg	-	UN	54.90	mg/kg	UJ
Arsenic	N	3.30	mg/kg	-		9.40	mg/kg	-	N	4.30	mg/kg	-		8.80	mg/kg	-	N	4.90	mg/kg	J
Barium		62.50	mg/kg	-	B	264.00	mg/kg	-		39.20	mg/kg	-	B	78.60	mg/kg	-	B	64.90	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	U	0.41	mg/kg	U	UN	0.02	mg/kg	U	B	1.20	mg/kg	U	B	1.30	mg/kg	U
Cadmium	UN	0.10	mg/kg	U		132.00	mg/kg	-	UN	0.11	mg/kg	U		45.10	mg/kg	-	U	5.80	mg/kg	U
Calcium	E	176000.00	mg/kg	-		11900.00	mg/kg	-	E	167000.00	mg/kg	-		20000.00	mg/kg	-		197000.00	mg/kg	-
Chromium	EN	5.50	mg/kg	-		79.60	mg/kg	-	EN	7.90	mg/kg	-		254.00	mg/kg	-	B	6.70	mg/kg	-
Cobalt	EN	2.60	mg/kg	-	B	57.60	mg/kg	-	BEN	2.40	mg/kg	-		163.00	mg/kg	-	U	6.60	mg/kg	U
Copper	N	10.10	mg/kg	-		125.00	mg/kg	-	N	13.80	mg/kg	-		404.00	mg/kg	-	B	27.00	mg/kg	U
Iron		5840.00	mg/kg	-		140000.00	mg/kg	-		8380.00	mg/kg	-		228000.00	mg/kg	-	•	8870.00	mg/kg	-
Lead	+	4.60	mg/kg	J		239000.00	mg/kg	-	S	4.30	mg/kg	-		147000.00	mg/kg	-	N	5.30	mg/kg	J
Magnesium		45100.00	mg/kg	-	B	2660.00	mg/kg	-		37400.00	mg/kg	-	B	4430.00	mg/kg	-		51800.00	mg/kg	-
Manganese	E	233.00	mg/kg	-		941.00	mg/kg	-	E	233.00	mg/kg	-		1610.00	mg/kg	-		411.00	mg/kg	-
Mercury	UN	0.04	mg/kg	U	U	0.05	mg/kg	U	UN	0.04	mg/kg	U	B	0.07	mg/kg	-	U	0.05	mg/kg	U
Molybdenum																				
Nickel	N	3.50	mg/kg	-	B	62.40	mg/kg	-	N	6.10	mg/kg	-		96.40	mg/kg	-	U	25.10	mg/kg	U
Potassium		829.00	mg/kg	-	B	537.00	mg/kg	-		1650.00	mg/kg	-	U	535.00	mg/kg	U	U	6570.00	mg/kg	U
Selenium	U+	0.24	mg/kg	R	UE	0.91	mg/kg	UJ	+	3.60	mg/kg	J	UE	0.91	mg/kg	UJ	UWN	0.15	mg/kg	UJ
Silicon																				
Silver	U	0.20	mg/kg	U	U	7.50	mg/kg	U	U	0.20	mg/kg	U	U	7.50	mg/kg	U	U	7.00	mg/kg	U
Sodium		829.00	mg/kg	-	B	544.00	mg/kg	-		1780.00	mg/kg	-	B	653.00	mg/kg	-	B	982.00	mg/kg	-
Thallium	UW	0.30	mg/kg	UJ	U	1.50	mg/kg	U	UW	0.32	mg/kg	UJ	UW	0.30	mg/kg	UJ	UWN	0.31	mg/kg	UJ
Vanadium	N	9.00	mg/kg	-	U	24.70	mg/kg	U	N	8.70	mg/kg	-	U	24.80	mg/kg	U	B	33.70	mg/kg	-
Zinc	N	17.80	mg/kg	-		1190.00	mg/kg	-	N	25.90	mg/kg	-		2130.00	mg/kg	-	•	71.70	mg/kg	-

684000

8212

Appendix L.2 - Major Media
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	31A-003A				31A-004A				31A-005A				31A-006A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5340.00	mg/kg	-		5240.00	mg/kg	-		5540.00	mg/kg	-		4940.00	mg/kg	-
Antimony	UN	9.40	mg/kg	UJ	UN	9.50	mg/kg	UJ	UN	9.70	mg/kg	UJ	UN	9.20	mg/kg	UJ
Arsenic		6.40	mg/kg	-		5.10	mg/kg	-		4.60	mg/kg	-		14.00	mg/kg	-
Barium		756.00	mg/kg	-		97.90	mg/kg	-		47.20	mg/kg	-		3820.00	mg/kg	-
Beryllium	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	0.21	mg/kg	U	U	0.20	mg/kg	U
Cadmium	B	0.62	mg/kg	U	U	0.62	mg/kg	U	U	0.63	mg/kg	U	U	0.60	mg/kg	U
Calcium		174000.00	mg/kg	-		175000.00	mg/kg	-		186000.00	mg/kg	-		160000.00	mg/kg	-
Chromium		19.00	mg/kg	-		11.10	mg/kg	-		7.80	mg/kg	-		50.70	mg/kg	-
Cobalt	B	4.50	mg/kg	-	B	2.70	mg/kg	-	B	2.60	mg/kg	-		13.80	mg/kg	-
Copper		27.30	mg/kg	-		9.70	mg/kg	-		7.20	mg/kg	-		14.80	mg/kg	-
Iron	E	15100.00	mg/kg	J	E	8870.00	mg/kg	J	E	7130.00	mg/kg	J	E	7610.00	mg/kg	J
Lead	N*	19.60	mg/kg	J	N*	2.90	mg/kg	J	N*	2.20	mg/kg	J		258.00	mg/kg	-
Magnesium		38000.00	mg/kg	-		48500.00	mg/kg	-		42200.00	mg/kg	-		40400.00	mg/kg	-
Manganese	E	381.00	mg/kg	J	E	279.00	mg/kg	J	E	323.00	mg/kg	J	E	250.00	mg/kg	J
Mercury	U	0.09	mg/kg	U	U	0.09	mg/kg	U	U	0.10	mg/kg	U		0.18	mg/kg	-
Molybdenum																
Nickel		14.80	mg/kg	-		10.40	mg/kg	-		9.40	mg/kg	-	B	5.50	mg/kg	-
Potassium		1240.00	mg/kg	-	B	869.00	mg/kg	-	B	958.00	mg/kg	-		1320.00	mg/kg	-
Selenium	UWN	0.62	mg/kg	UJ	UWN	0.61	mg/kg	UJ	UWN	0.63	mg/kg	UJ	UWN	0.60	mg/kg	UJ
Silicon																
Silver	U	0.81	mg/kg	U	U	0.83	mg/kg	U	B	0.87	mg/kg	-	U	0.80	mg/kg	U
Sodium		1460.00	mg/kg	J	B	829.00	mg/kg	J	B	809.00	mg/kg	J	B	792.00	mg/kg	J
Thallium	U	0.83	mg/kg	U	UW	0.82	mg/kg	UJ	U	0.84	mg/kg	U	U	0.81	mg/kg	U
Vanadium		11.30	mg/kg	-		12.50	mg/kg	-		11.40	mg/kg	-		11.50	mg/kg	-
Zinc		27.00	mg/kg	-		20.50	mg/kg	-		18.20	mg/kg	-		2050.00	mg/kg	-

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 32B - Building 32 Covered Loading Dock
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	32B-003				32B-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3980.00	mg/kg	-		12800.00	mg/kg	-
Antimony	UN	61.00	mg/kg	UJ	N	129.00	mg/kg	J
Arsenic		3.60	mg/kg	-		8.30	mg/kg	-
Barium	B	50.00	mg/kg	-	B	201.00	mg/kg	-
Beryllium	UN	1.40	mg/kg	U	UN	1.40	mg/kg	U
Cadmium	U	2.60	mg/kg	U	B	2.60	mg/kg	U
Calcium		193000.00	mg/kg	-		17800.00	mg/kg	-
Chromium	B	10.30	mg/kg	U		3220.00	mg/kg	-
Cobalt	U	7.40	mg/kg	U	B	29.40	mg/kg	-
Copper	B	39.90	mg/kg	U		1060.00	mg/kg	-
Iron		7570.00	mg/kg	-		95700.00	mg/kg	-
Lead	UN	2.40	mg/kg	UJ	N	8690.00	mg/kg	J
Magnesium	*	36100.00	mg/kg	-	*	11800.00	mg/kg	-
Manganese	•	342.00	mg/kg	-	•	747.00	mg/kg	-
Mercury	B	0.08	mg/kg	UJ		6.80	mg/kg	J
Molybdenum								
Nickel	U	10.00	mg/kg	U		83.60	mg/kg	-
Potassium	B	1170.00	mg/kg	-	U	741.00	mg/kg	U
Selenium	UN	2.20	mg/kg	UJ	UWN	0.22	mg/kg	UJ
Silicon								
Silver	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U
Sodium	B	780.00	mg/kg	U	B	710.00	mg/kg	U
Thallium	UN	0.10	mg/kg	UJ	UN	1.00	mg/kg	UJ
Vanadium	B	15.70	mg/kg	-	B	12.70	mg/kg	-
Zinc	*	345.00	mg/kg	-	•	779.00	mg/kg	-

ES600

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"								0-.5"				0-.5"			
Process Area:	1				1				1				2				2			
Sample:	37-003				37-004				37-005				37-007				37-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5180.00	mg/kg	-		4080.00	mg/kg	-		5110.00	mg/kg	-		6070.00	mg/kg	-		4420.00	mg/kg	-
Antimony	UN	4.60	mg/kg	UJ	UN	4.50	mg/kg	UJ	UN	4.50	mg/kg	UJ	BN	5.40	mg/kg	U	BN	5.00	mg/kg	U
Arsenic		4.50	mg/kg	-		3.00	mg/kg	-	N	8.10	mg/kg	J	NS	5.50	mg/kg	-	NS	3.60	mg/kg	-
Barium	N	58.60	mg/kg	J	N	529.00	mg/kg	J		4180.00	mg/kg	-		63.50	mg/kg	-		998.00	mg/kg	-
Beryllium	B	0.98	mg/kg	-	B	0.14	mg/kg	-		3.60	mg/kg	-	B	0.38	mg/kg	U	B	0.17	mg/kg	U
Cadmium	U	0.27	mg/kg	U	U	0.26	mg/kg	U	N	5.00	mg/kg	J	BN	0.66	mg/kg	UJ	BN	0.35	mg/kg	UJ
Calcium		194000.00	mg/kg	-		153000.00	mg/kg	-		50900.00	mg/kg	-		198000.00	mg/kg	-		163000.00	mg/kg	-
Chromium		2.70	mg/kg	U		32.00	mg/kg	-		2450.00	mg/kg	-		17.20	mg/kg	-		42.20	mg/kg	-
Cobalt	B	4.30	mg/kg	-	B	4.40	mg/kg	-		89.40	mg/kg	-	B	4.00	mg/kg	U	B	7.90	mg/kg	-
Copper		18.20	mg/kg	-		7.60	mg/kg	-		126.00	mg/kg	-		10.50	mg/kg	-		16.00	mg/kg	-
Iron		8500.00	mg/kg	-		7070.00	mg/kg	-		96700.00	mg/kg	-		8680.00	mg/kg	-		8760.00	mg/kg	-
Lead	EN	17.70	mg/kg	J	EN	148.00	mg/kg	J		8500.00	mg/kg	-		19.50	mg/kg	-		182.00	mg/kg	-
Magnesium		40000.00	mg/kg	-		43500.00	mg/kg	-		7050.00	mg/kg	-		35600.00	mg/kg	-		39800.00	mg/kg	-
Manganese		361.00	mg/kg	-		284.00	mg/kg	-		621.00	mg/kg	-		370.00	mg/kg	-		302.00	mg/kg	-
Mercury	U*	0.05	mg/kg	U	*	0.32	mg/kg	-		6.50	mg/kg	-	U	0.05	mg/kg	U		0.56	mg/kg	-
Molybdenum																				
Nickel		8.60	mg/kg	-	B	6.10	mg/kg	-		42.90	mg/kg	-		12.20	mg/kg	-		8.20	mg/kg	-
Potassium		1960.00	mg/kg	-	B	787.00	mg/kg	-		1920.00	mg/kg	-		3020.00	mg/kg	-		2070.00	mg/kg	-
Selenium	UNW	0.51	mg/kg	UJ	UNW	0.50	mg/kg	UJ	BNW	0.59	mg/kg	UJ	UN	0.51	mg/kg	U	UN	0.51	mg/kg	U
Silicon																				
Silver		11.00	mg/kg	-	U	0.64	mg/kg	U		41.90	mg/kg	-	U	0.65	mg/kg	U	U	0.65	mg/kg	U
Sodium		2040.00	mg/kg	-	B	426.00	mg/kg	-		1470.00	mg/kg	-		1410.00	mg/kg	-		1360.00	mg/kg	-
Thallium	B	0.04	mg/kg	-	U	0.04	mg/kg	U	B	0.48	mg/kg	-	UW	0.04	mg/kg	UJ	U	0.04	mg/kg	U
Vanadium	U	0.62	mg/kg	U	B	9.30	mg/kg	-	BN	0.86	mg/kg	UJ	N	12.20	mg/kg	UJ	N	10.80	mg/kg	UJ
Zinc	N	37.60	mg/kg	J	N	108.00	mg/kg	J		5300.00	mg/kg	-		154.00	mg/kg	-		134.00	mg/kg	-

000452

Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	3				3				4				4				4			
Sample:	37-010				37-011				37-013				37-014				37-015 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		10200.00	mg/kg	-		4880.00	mg/kg	-		5810.00	mg/kg	-		4180.00	mg/kg	-		3670.00	mg/kg	-
Antimony	N	44.10	mg/kg	-	BN	6.30	mg/kg	U	UN	4.60	mg/kg	UJ	UN	4.50	mg/kg	UJ	UN	4.50	mg/kg	UJ
Arsenic	NS	4.00	mg/kg	-	NS	3.20	mg/kg	-		5.30	mg/kg	-		3.20	mg/kg	-		3.50	mg/kg	-
Barium	B	33.30	mg/kg	-		851.00	mg/kg	-	N	249.00	mg/kg	J	N	354.00	mg/kg	J	N	424.00	mg/kg	J
Beryllium	B	0.50	mg/kg	-	B	0.23	mg/kg	U	B	0.26	mg/kg	U	B	0.22	mg/kg	U	B	0.20	mg/kg	U
Cadmium	BN	0.91	mg/kg	UJ	BN	0.29	mg/kg	UJ		1.70	mg/kg	-	U	0.26	mg/kg	U	U	0.26	mg/kg	U
Calcium		146000.00	mg/kg	-		161000.00	mg/kg	-		191000.00	mg/kg	-		170000.00	mg/kg	-		160000.00	mg/kg	-
Chromium		8.40	mg/kg	-		56.30	mg/kg	-		17.40	mg/kg	-		22.90	mg/kg	-		23.20	mg/kg	-
Cobalt	B	3.20	mg/kg	U	B	6.50	mg/kg	U	B	4.80	mg/kg	U	B	4.60	mg/kg	U	B	3.90	mg/kg	U
Copper		1440.00	mg/kg	-		8.40	mg/kg	-		22.80	mg/kg	-		9.50	mg/kg	-		9.70	mg/kg	U
Iron		5560.00	mg/kg	-		8670.00	mg/kg	-		21400.00	mg/kg	-		7550.00	mg/kg	-		6730.00	mg/kg	-
Lead		2730.00	mg/kg	-		267.00	mg/kg	-	EN	52.50	mg/kg	J	EN	86.00	mg/kg	J	EN	98.40	mg/kg	J
Magnesium		37600.00	mg/kg	-		43100.00	mg/kg	-		30700.00	mg/kg	-		37100.00	mg/kg	-		49000.00	mg/kg	-
Manganese		251.00	mg/kg	-		292.00	mg/kg	-		406.00	mg/kg	-		268.00	mg/kg	-		303.00	mg/kg	-
Mercury		2.80	mg/kg	-		0.20	mg/kg	U	B*	0.08	mg/kg	U	B*	0.09	mg/kg	-	•	0.34	mg/kg	-
Molybdenum																				
Nickel		11.30	mg/kg	-		8.70	mg/kg	-		18.10	mg/kg	-		14.40	mg/kg	-		14.50	mg/kg	-
Potassium		2090.00	mg/kg	-	B	961.00	mg/kg	U		2800.00	mg/kg	-	B	863.00	mg/kg	-	B	842.00	mg/kg	U
Selenium	UN	0.51	mg/kg	U	BN	0.39	mg/kg	U	UNW	0.52	mg/kg	UJ	UNW	0.50	mg/kg	UJ	UNW	0.50	mg/kg	UJ
Silicon																				
Silver		3.90	mg/kg	U		0.64	mg/kg	-	U	0.66	mg/kg	U	U	0.64	mg/kg	U	B	0.87	mg/kg	U
Sodium	B	550.00	mg/kg	-	B	564.00	mg/kg	-		2720.00	mg/kg	-	B	500.00	mg/kg	-	B	505.00	mg/kg	-
Thallium	BW	0.10	mg/kg	UJ	UW	0.04	mg/kg	UJ	UW	0.04	mg/kg	UJ	BW	0.06	mg/kg	J	BW	0.05	mg/kg	J
Vanadium	BN	5.80	mg/kg	UJ	N	10.70	mg/kg	UJ		11.60	mg/kg	-	B	9.70	mg/kg	-	B	8.60	mg/kg	-
Zinc		136000.00	mg/kg	-		113.00	mg/kg	-	N	74.30	mg/kg	J	N	56.70	mg/kg	J	N	60.10	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	5				5				6				6				7			
Sample:	37-018				37-020				37-021				37-022				37-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6170.00	mg/kg	-		4340.00	mg/kg	-		4610.00	mg/kg	-		3680.00	mg/kg	-		5030.00	mg/kg	-
Antimony	UN	4.50	mg/kg	UJ	UN	4.50	mg/kg	UJ	UN	4.50	mg/kg	UJ	UN	4.50	mg/kg	UJ	BN	5.50	mg/kg	U
Arsenic		4.90	mg/kg	-		3.30	mg/kg	-		4.30	mg/kg	-		2.90	mg/kg	-	NS	3.40	mg/kg	-
Barium	N	88.50	mg/kg	J	N	964.00	mg/kg	J	N	54.00	mg/kg	J	N	407.00	mg/kg	J	B	35.80	mg/kg	-
Beryllium	B	0.58	mg/kg	U	B	0.21	mg/kg	U	B	0.35	mg/kg	U	B	0.15	mg/kg	U	B	0.23	mg/kg	U
Cadmium	B	0.41	mg/kg	U	B	0.93	mg/kg	U	B	0.40	mg/kg	U	U	0.26	mg/kg	U	N	2.30	mg/kg	UJ
Calcium		158000.00	mg/kg	-		153000.00	mg/kg	-		192000.00	mg/kg	-		172000.00	mg/kg	-		180000.00	mg/kg	-
Chromium		16.20	mg/kg	-		64.10	mg/kg	-		9.40	mg/kg	-		24.40	mg/kg	-		11.20	mg/kg	-
Cobalt	B	5.60	mg/kg	-		10.90	mg/kg	-	B	2.90	mg/kg	U	B	3.30	mg/kg	U	B	3.80	mg/kg	U
Copper		17.60	mg/kg	-		23.10	mg/kg	-		8.10	mg/kg	U		15.60	mg/kg	-		20.20	mg/kg	-
Iron		11800.00	mg/kg	-		7320.00	mg/kg	-		7920.00	mg/kg	-		7370.00	mg/kg	-		7530.00	mg/kg	-
Lead	EN	357.00	mg/kg	J	EN	355.00	mg/kg	J	EN	80.10	mg/kg	J	EN	84.70	mg/kg	J		19.40	mg/kg	J
Magnesium		31600.00	mg/kg	-		35700.00	mg/kg	-		55500.00	mg/kg	-		35400.00	mg/kg	-		53800.00	mg/kg	-
Manganese		357.00	mg/kg	-		262.00	mg/kg	-		322.00	mg/kg	-		282.00	mg/kg	-		222.00	mg/kg	-
Mercury	•	0.15	mg/kg	-	•	0.46	mg/kg	-	B*	0.06	mg/kg	U	•	0.45	mg/kg	-	U	0.05	mg/kg	U
Molybdenum																				
Nickel		13.00	mg/kg	-		9.60	mg/kg	-		8.50	mg/kg	-	B	6.70	mg/kg	-	B	7.70	mg/kg	-
Potassium		3400.00	mg/kg	-	B	807.00	mg/kg	U		1340.00	mg/kg	U	B	759.00	mg/kg	U	B	784.00	mg/kg	U
Selenium	UNW	0.51	mg/kg	UJ	UNW	0.50	mg/kg	UJ	UNW	0.51	mg/kg	UJ	UNW	0.50	mg/kg	UJ	BN	0.44	mg/kg	U
Silicon																				
Silver		5.00	mg/kg	U	B	0.81	mg/kg	U		2.00	mg/kg	U	U	0.65	mg/kg	U	U	0.66	mg/kg	U
Sodium		1180.00	mg/kg	-	B	299.00	mg/kg	-	B	795.00	mg/kg	-	B	434.00	mg/kg	U		319.00	mg/kg	-
Thallium		16.00	mg/kg	-	BW	0.06	mg/kg	J	BW	0.05	mg/kg	J	BW	0.04	mg/kg	J	BW	0.11	mg/kg	UJ
Vanadium	B	7.70	mg/kg	-	B	10.00	mg/kg	-	B	7.10	mg/kg	-	B	9.20	mg/kg	-	N	11.30	mg/kg	UJ
Zinc	N	109.00	mg/kg	J	N	354.00	mg/kg	J	N	61.20	mg/kg	J	N	102.00	mg/kg	J		82.60	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	7				7				7			
Sample:	37-028 DUP				37-033				37-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5060.00	mg/kg	-		5800.00	mg/kg	-		5260.00	mg/kg	-
Antimony	BN	7.50	mg/kg	U	UN	4.50	mg/kg	U	UN	4.60	mg/kg	U
Arsenic	NS	3.10	mg/kg	-	NS	2.60	mg/kg	-	NS	5.50	mg/kg	-
Barium	B	38.20	mg/kg	-		43.00	mg/kg	-		66.70	mg/kg	-
Beryllium	B	0.20	mg/kg	U		1.70	mg/kg	-	B	0.60	mg/kg	-
Cadmium	N	2.60	mg/kg	UJ	BN	0.79	mg/kg	UJ	BN	0.85	mg/kg	UJ
Calcium		185000.00	mg/kg	-		154000.00	mg/kg	-		192000.00	mg/kg	-
Chromium		11.10	mg/kg	-		8.60	mg/kg	-		7.70	mg/kg	-
Cobalt	B	3.90	mg/kg	U	B	3.80	mg/kg	U	B	4.20	mg/kg	U
Copper		19.90	mg/kg	-		31.50	mg/kg	-		10.20	mg/kg	-
Iron		7380.00	mg/kg	-		8450.00	mg/kg	-		8250.00	mg/kg	-
Lead		29.60	mg/kg	J		43.40	mg/kg	-		130.00	mg/kg	-
Magnesium		56800.00	mg/kg	-		45300.00	mg/kg	-		50000.00	mg/kg	-
Manganese		236.00	mg/kg	-		315.00	mg/kg	-		373.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	B	0.06	mg/kg	U
Molybdenum												
Nickel		8.50	mg/kg	-		17.90	mg/kg	-	B	7.10	mg/kg	-
Potassium	B	785.00	mg/kg	U		1030.00	mg/kg	U		1770.00	mg/kg	-
Selenium	UN	0.52	mg/kg	U	BNW	0.37	mg/kg	UJ	UN	0.52	mg/kg	U
Silicon												
Silver	U	0.66	mg/kg	U		8.10	mg/kg	-		3.20	mg/kg	U
Sodium	B	382.00	mg/kg	-	B	291.00	mg/kg	-	B	671.00	mg/kg	-
Thallium	BW	0.10	mg/kg	UJ	B	0.17	mg/kg	U	BW	0.08	mg/kg	UJ
Vanadium	N	11.30	mg/kg	UJ	BN	2.90	mg/kg	UJ	BN	6.90	mg/kg	UJ
Zinc		95.60	mg/kg	-		198.00	mg/kg	-		158.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"				0-.5"			
Process Area:	1				1				1				1				1			
Sample:	39A-003				39A-004				39A-005				39A-007				39A-008 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6140.00	mg/kg	-		6090.00	mg/kg	-		4810.00	mg/kg	-		281.00	mg/kg	-		226.00	mg/kg	-
Antimony	BN	1.70	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ
Arsenic	NS	8.60	mg/kg	UJ	BNW	0.81	mg/kg	UJ	UNW	0.40	mg/kg	UJ	S*	3.50	mg/kg	-	S*	4.90	mg/kg	-
Barium		69.40	mg/kg	-		63.20	mg/kg	-		67.60	mg/kg	-		309.00	mg/kg	J		150.00	mg/kg	J
Beryllium	B	0.87	mg/kg	-		1.70	mg/kg	-		2.20	mg/kg	-	U	0.80	mg/kg	U	U	0.80	mg/kg	U
Cadmium	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U	U	1.00	mg/kg	U
Calcium	*	224000.00	mg/kg	-	*	205000.00	mg/kg	-	•	185000.00	mg/kg	-		1680.00	mg/kg	-		2020.00	mg/kg	-
Chromium	N*	9.60	mg/kg	UJ	N*	8.60	mg/kg	UJ	N*	8.40	mg/kg	UJ		5.90	mg/kg	-		4.60	mg/kg	-
Cobalt	B	6.90	mg/kg	U	B	2.30	mg/kg	U	U	1.40	mg/kg	U	B	2.30	mg/kg	U	B	1.80	mg/kg	U
Copper	N*	9.10	mg/kg	J	N*	12.50	mg/kg	J	N*	9.00	mg/kg	J	N	12.10	mg/kg	UJ	N	10.50	mg/kg	UJ
Iron		7770.00	mg/kg	-		7650.00	mg/kg	-		6080.00	mg/kg	-		2620.00	mg/kg	J		1710.00	mg/kg	J
Lead	NS•	7.10	mg/kg	J	NS*	3.90	mg/kg	J	NS•	2.20	mg/kg	J		205.00	mg/kg	J		108.00	mg/kg	J
Magnesium	•	43800.00	mg/kg	-	•	49700.00	mg/kg	-	*	54400.00	mg/kg	-		251.00	mg/kg	-	B	288.00	mg/kg	-
Manganese	*	410.00	mg/kg	-	•	339.00	mg/kg	-	•	340.00	mg/kg	-		26.10	mg/kg	-		20.60	mg/kg	-
Mercury	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U	N*	0.24	mg/kg	U	N*	0.23	mg/kg	U
Molybdenum																				
Nickel	BN	13.80	mg/kg	J	BEN	7.40	mg/kg	J	BEN	6.00	mg/kg	J		6.50	mg/kg	-	B*	4.20	mg/kg	-
Potassium	B	828.00	mg/kg	-	B	700.00	mg/kg	-	B	699.00	mg/kg	-		171.00	mg/kg	-	B	151.00	mg/kg	-
Selenium	UNW	2.00	mg/kg	U	UN	2.00	mg/kg	U	UEN	2.00	mg/kg	U	UN	2.00	mg/kg	U	UN	2.00	mg/kg	U
Silicon																				
Silver	UN*	0.20	mg/kg	UJ	UN*	0.20	mg/kg	UJ	N*	2.30	mg/kg	J	UNW	0.20	mg/kg	UJ	UNW	0.20	mg/kg	UJ
Sodium	B	350.00	mg/kg	U	B	378.00	mg/kg	U	B	369.00	mg/kg	U	B	63.20	mg/kg	U	U	28.10	mg/kg	U
Thallium	UW	0.20	mg/kg	UJ	UW	0.20	mg/kg	UJ	UW	0.20	mg/kg	UJ	BNW	0.26	mg/kg	UJ	UN	0.20	mg/kg	UJ
Vanadium		26.00	mg/kg	U		24.20	mg/kg	U		23.90	mg/kg	U	B	8.10	mg/kg	U	B	8.90	mg/kg	U
Zinc	N*	24.20	mg/kg	J	N*	650.00	mg/kg	J	N*	32.90	mg/kg	J	N	11.40	mg/kg	U	N	15.90	mg/kg	U

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	STEEL COATINGS				TRANSITE				TRANSITE				CONCRETE CHIPS				STEEL COATINGS			
Depth:													0-.5"							
Process Area:	1				3				3				2				2			
Sample:	39A-010A				39A-015(TCLP)				39A-016(TCLP) DUP				39A-020				39A-022A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5980.00	mg/kg	-										5030.00	mg/kg	-		36000.00	mg/kg	-
Antimony	UN	2.60	mg/kg	UJ									UN	1.00	mg/kg	UJ	UN	2.60	mg/kg	UJ
Arsenic	E	163.00	mg/kg	J		0.0199	mg/L	-		0.0182	mg/L	-	*	6.60	mg/kg	-	E	40.70	mg/kg	J
Barium	EN	336.00	mg/kg	J		0.6320	mg/L	U		0.6540	mg/L	U		74.10	mg/kg	-	EN	3540.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ										1.60	mg/kg	-	UN	0.02	mg/kg	UJ
Cadmium	E	103.00	mg/kg	J	U	0.0200	mg/L	U	U	0.0200	mg/L	U	U	1.00	mg/kg	U	E	343.00	mg/kg	J
Calcium	E	38000.00	mg/kg	J										224000.00	mg/kg	-	E	18900.00	mg/kg	J
Chromium	E	3160.00	mg/kg	J		0.1160	mg/L	-		0.1230	mg/L	-		12.10	mg/kg	-	E	1150.00	mg/kg	J
Cobalt	E	112.00	mg/kg	J										11.90	mg/kg	U	E	41.20	mg/kg	J
Copper		339.00	mg/kg	-									N	79.10	mg/kg	J		620.00	mg/kg	-
Iron		34500.00	mg/kg	-										6710.00	mg/kg	-		31100.00	mg/kg	-
Lead	*	36900.00	mg/kg	J	U	0.3900	mg/L	U	U	0.3900	mg/L	U	S*	17.60	mg/kg	J	*	39300.00	mg/kg	J
Magnesium	E	5590.00	mg/kg	J										56300.00	mg/kg	-	E	4560.00	mg/kg	J
Manganese	E	348.00	mg/kg	J										418.00	mg/kg	-	E	251.00	mg/kg	J
Mercury	N	3.90	mg/kg	UJ		0.0043	mg/L	-		0.0043	mg/L	-	N*	0.12	mg/kg	U	N	7.40	mg/kg	J
Molybdenum																				
Nickel	E	120.00	mg/kg	J									*	40.50	mg/kg	-	E	49.40	mg/kg	J
Potassium		727.00	mg/kg	-										744.00	mg/kg	-		426.00	mg/kg	-
Selenium	BS*	4.70	mg/kg	UJ	U*	0.0100	mg/L	U	U*	0.0100	mg/L	U	UNW	2.10	mg/kg	UJ		36.40	mg/kg	J
Silicon																				
Silver	*	1.30	mg/kg	-	U	0.0350	mg/L	U	U	0.0350	mg/L	U	BNW	0.21	mg/kg	UJ	*	1.60	mg/kg	-
Sodium		1030.00	mg/kg	-									B	362.00	mg/kg	U		532.00	mg/kg	-
Thallium	UNE	0.47	mg/kg	R									UNW	0.21	mg/kg	UJ	BWN	0.50	mg/kg	J
Vanadium	E	146.00	mg/kg	J										29.50	mg/kg	U	E	40.70	mg/kg	J
Zinc	E	1270.00	mg/kg	J									N	51.10	mg/kg	-	E	770.00	mg/kg	J

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Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				CONCRETE CHIPS			
Depth:	0-.5"				.5-1"				1-4"								0-.5"			
Process Area:	3				3				3				3				4			
Sample:	39A-024				39A-025				39A-026				39A-028A				39A-030			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6340.00	mg/kg	-		3980.00	mg/kg	-		6110.00	mg/kg	-		25700.00	mg/kg	-		4070.00	mg/kg	-
Antimony	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.00	mg/kg	UJ	UN	1.10	mg/kg	UJ	UN	2.60	mg/kg	UJ
Arsenic	S*	12.50	mg/kg	-	•	8.00	mg/kg	-	S*	5.20	mg/kg	-	BS	5.00	mg/kg	-	E	15.10	mg/kg	J
Barium		106.00	mg/kg	-		57.80	mg/kg	-		64.10	mg/kg	-		7900.00	mg/kg	-	EN	64.20	mg/kg	J
Beryllium		2.70	mg/kg	-	U	0.81	mg/kg	U		1.50	mg/kg	-		1.10	mg/kg	-	UN	0.02	mg/kg	UJ
Cadmium		3.50	mg/kg	-	U	1.00	mg/kg	U		1.80	mg/kg	-		291.00	mg/kg	-	E	2.30	mg/kg	J
Calcium		213000.00	mg/kg	-		146000.00	mg/kg	-		220000.00	mg/kg	-		36100.00	mg/kg	-	E	185000.00	mg/kg	J
Chromium		18.70	mg/kg	-		13.80	mg/kg	-		10.60	mg/kg	-		1020.00	mg/kg	-	E	14.10	mg/kg	J
Cobalt		67.10	mg/kg	-	B	4.40	mg/kg	U	B	2.70	mg/kg	U		101.00	mg/kg	-	E	41.30	mg/kg	J
Copper	N	175.00	mg/kg	J	N	23.50	mg/kg	J	N	9.60	mg/kg	UJ	•	132.00	mg/kg	J		157.00	mg/kg	-
Iron		8090.00	mg/kg	-		5810.00	mg/kg	-		8360.00	mg/kg	-	*	19900.00	mg/kg	J		6440.00	mg/kg	-
Lead		101.00	mg/kg	-	S*	10.30	mg/kg	J	BS*	2.90	mg/kg	J		49800.00	mg/kg	-	*	182.00	mg/kg	J
Magnesium		50500.00	mg/kg	-		32800.00	mg/kg	-		46900.00	mg/kg	-	*	4630.00	mg/kg	-	E	56800.00	mg/kg	J
Manganese		471.00	mg/kg	-		310.00	mg/kg	-		372.00	mg/kg	-	N	228.00	mg/kg	J	E	291.00	mg/kg	J
Mercury	N*	0.75	mg/kg	-	N*	0.11	mg/kg	U	UN*	0.05	mg/kg	U		1.10	mg/kg	-	N	0.54	mg/kg	J
Molybdenum																				
Nickel	•	107.00	mg/kg	-	•	20.50	mg/kg	-	B*	7.00	mg/kg	-	*	34.20	mg/kg	-	E	64.40	mg/kg	J
Potassium		1240.00	mg/kg	-	B	626.00	mg/kg	-		1100.00	mg/kg	-	B	347.00	mg/kg	-		956.00	mg/kg	-
Selenium	N	5.70	mg/kg	-	UNW	2.00	mg/kg	U	UNW	2.10	mg/kg	U	N+*	4.20	mg/kg	J	W	5.30	mg/kg	UJ
Silicon																				
Silver	UN	0.20	mg/kg	UJ	UNW	0.73	mg/kg	UJ	N	3.20	mg/kg	J	BN	0.32	mg/kg	J	U*	0.20	mg/kg	U
Sodium	B	647.00	mg/kg	U	B	233.00	mg/kg	U	B	330.00	mg/kg	U	B	337.00	mg/kg	U		643.00	mg/kg	-
Thallium	UNW	0.20	mg/kg	UJ	UNW	0.20	mg/kg	UJ	UNW	0.21	mg/kg	UJ	B	0.52	mg/kg	U	BWN	0.95	mg/kg	J
Vanadium		37.00	mg/kg	-		24.60	mg/kg	U		28.80	mg/kg	U		23.20	mg/kg	U	E	31.00	mg/kg	J
Zinc		172.00	mg/kg	-	N	445.00	mg/kg	-	N	19.10	mg/kg	-	*	1030.00	mg/kg	J	E	1330.00	mg/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	STEEL COATINGS
Depth:	
Process Area:	4
Sample:	39A-032A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	•	14300.00	mg/kg	-
Antimony	BN	1.60	mg/kg	UJ
Arsenic	BN	4.70	mg/kg	UJ
Barium		5000.00	mg/kg	-
Beryllium		1.40	mg/kg	-
Cadmium		558.00	mg/kg	-
Calcium		36500.00	mg/kg	-
Chromium		425.00	mg/kg	-
Cobalt		59.40	mg/kg	-
Copper	N	70.90	mg/kg	J
Iron	•	5590.00	mg/kg	-
Lead	*	46400.00	mg/kg	J
Magnesium	•	2920.00	mg/kg	J
Manganese	N*	305.00	mg/kg	J
Mercury	*	0.49	mg/kg	J
Molybdenum				
Nickel	•	23.80	mg/kg	-
Potassium	B	432.00	mg/kg	-
Selenium	W	10.80	mg/kg	J
Silicon				
Silver	B	0.53	mg/kg	-
Sodium	B	428.00	mg/kg	U
Thallium	UNW	1.00	mg/kg	R
Vanadium		17.90	mg/kg	U
Zinc		589.00	mg/kg	-

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Appendix L.2 - Major Media
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"							
Process Area:	1				1				1				1			
Sample:	39B-002				39B-003				39B-004				39B-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5520.00	mg/kg	-		5600.00	mg/kg	-		5280.00	mg/kg	-		22500.00	mg/kg	-
Antimony	UN	2.40	mg/kg	R	UN	2.10	mg/kg	R	UN	2.50	mg/kg	R	UN	2.40	mg/kg	R
Arsenic		5.30	mg/kg	-		4.80	mg/kg	-		5.00	mg/kg	-	S	4.90	mg/kg	-
Barium	N	45.70	mg/kg	J	N	43.40	mg/kg	J	N	42.20	mg/kg	J	N	5120.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ	UN	0.01	mg/kg	UJ	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	N	0.48	mg/kg	UJ	BN	0.19	mg/kg	UJ	N	0.59	mg/kg	UJ	N	4.90	mg/kg	J
Calcium		174000.00	mg/kg	-		158000.00	mg/kg	-		168000.00	mg/kg	-		7710.00	mg/kg	-
Chromium	N	12.50	mg/kg	J	N	11.00	mg/kg	J	N	11.20	mg/kg	J	N	22.70	mg/kg	J
Cobalt	N	2.90	mg/kg	J	N	3.00	mg/kg	J	N	3.20	mg/kg	J	N	119.00	mg/kg	J
Copper		15.50	mg/kg	-		9.40	mg/kg	-		13.20	mg/kg	-		19.80	mg/kg	-
Iron	E	7290.00	mg/kg	J	E	7350.00	mg/kg	J	E	6850.00	mg/kg	J	E	47400.00	mg/kg	J
Lead	EN*	11.50	mg/kg	J	EN*	8.00	mg/kg	J	EN*	6.90	mg/kg	J	EN*	130.00	mg/kg	J
Magnesium	E	32500.00	mg/kg	J	E	39500.00	mg/kg	J	E	43800.00	mg/kg	J	E	3240.00	mg/kg	J
Manganese	E	272.00	mg/kg	J	E	195.00	mg/kg	J	E	195.00	mg/kg	J	E	368.00	mg/kg	J
Mercury	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.02	mg/kg	R	UN	0.03	mg/kg	R
Molybdenum																
Nickel	N	6.80	mg/kg	J	N	6.60	mg/kg	J	N	7.20	mg/kg	J	N	24.90	mg/kg	J
Potassium	E	2290.00	mg/kg	J	E	1240.00	mg/kg	J	E	1440.00	mg/kg	J	E	314.00	mg/kg	J
Selenium	UWN	0.91	mg/kg	UJ	UN	0.88	mg/kg	U	UN	1.00	mg/kg	U	BWN	0.36	mg/kg	UJ
Silicon																
Silver	U	0.20	mg/kg	U	U	0.17	mg/kg	U		2.20	mg/kg	-	B	0.37	mg/kg	-
Sodium		631.00	mg/kg	-		391.00	mg/kg	-		449.00	mg/kg	-		1120.00	mg/kg	-
Thallium	UWN	0.27	mg/kg	UJ	UWN	0.26	mg/kg	UJ	UWN	0.29	mg/kg	UJ	UN	0.30	mg/kg	U
Vanadium	EN	12.50	mg/kg	J	NE	12.70	mg/kg	J	EN	12.10	mg/kg	J	EN	3.70	mg/kg	J
Zinc	E*	23.20	mg/kg	J	E*	18.20	mg/kg	J	E*	16.80	mg/kg	J	E*	8870.00	mg/kg	J

000300

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant Incinerator
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	39D-003				39D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4810.00	mg/kg	-		27600.00	mg/kg	-
Antimony	UN	61.00	mg/kg	UJ	UN	61.00	mg/kg	UJ
Arsenic		3.40	mg/kg	-		8.70	mg/kg	-
Barium	B	80.00	mg/kg	-	B	17.50	mg/kg	-
Beryllium	UN	1.40	mg/kg	U	UN	1.40	mg/kg	U
Cadmium	U	2.60	mg/kg	U	U	2.60	mg/kg	U
Calcium		171000.00	mg/kg	-	B	5880.00	mg/kg	-
Chromium	U	8.60	mg/kg	U	B	18.10	mg/kg	U
Cobalt	U	7.40	mg/kg	U	B	65.70	mg/kg	-
Copper	U	7.20	mg/kg	U		81.00	mg/kg	-
Iron		7640.00	mg/kg	-		980.00	mg/kg	-
Lead	SN	9.60	mg/kg	J	N	539.00	mg/kg	J
Magnesium	*	41200.00	mg/kg	-	B*	647.00	mg/kg	-
Manganese	*	275.00	mg/kg	-	*	1690.00	mg/kg	-
Mercury	B	0.08	mg/kg	UJ	B	0.08	mg/kg	UJ
Molybdenum								
Nickel	U	10.00	mg/kg	U		115.00	mg/kg	-
Potassium	B	845.00	mg/kg	-	U	741.00	mg/kg	U
Selenium	UWN	0.22	mg/kg	UJ	UWN	0.22	mg/kg	UJ
Silicon								
Silver	UN	5.40	mg/kg	U	UN	5.40	mg/kg	U
Sodium	B	425.00	mg/kg	U	U	111.00	mg/kg	U
Thallium	UWN	0.10	mg/kg	UJ	UN	0.10	mg/kg	UJ
Vanadium	U	8.00	mg/kg	U	B	35.40	mg/kg	-
Zinc	*	68.80	mg/kg	U	*	531.00	mg/kg	-

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Appendix L.2 - Major Media
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	45A-003				45A-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5980.00	mg/kg	-		1510.00	mg/kg	U
Antimony	UN	70.40	mg/kg	U	UN	70.40	mg/kg	U
Arsenic	BN*	3.50	mg/kg	J	BWN	2.10	mg/kg	J
Barium	B	61.40	mg/kg	-		4720.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U
Cadmium	U*	5.40	mg/kg	UJ	B*	7.30	mg/kg	J
Calcium		181000.00	mg/kg	-		46700.00	mg/kg	-
Chromium	B	13.90	mg/kg	U		129.00	mg/kg	-
Cobalt	U	7.60	mg/kg	U	B	97.50	mg/kg	-
Copper	B	27.90	mg/kg	U	B	31.80	mg/kg	U
Iron	*	10400.00	mg/kg	J	*	41400.00	mg/kg	J
Lead		27.60	mg/kg	-		805.00	mg/kg	-
Magnesium		34200.00	mg/kg	-	B	1580.00	mg/kg	U
Manganese	N*	331.00	mg/kg	J	N*	197.00	mg/kg	J
Mercury	UN*	0.05	mg/kg	UJ	N*	0.17	mg/kg	J
Molybdenum								
Nickel	UN*	35.60	mg/kg	UJ	UN*	35.60	mg/kg	UJ
Potassium	U	4340.00	mg/kg	U	U	4340.00	mg/kg	U
Selenium	BNW	2.40	mg/kg	UJ	UN	2.20	mg/kg	U
Silicon								
Silver	B	8.70	mg/kg	J	U	6.80	mg/kg	U
Sodium	B	620.00	mg/kg	U	B	321.00	mg/kg	U
Thallium	UN	1.80	mg/kg	UJ	UN	1.80	mg/kg	UJ
Vanadium	BN	23.60	mg/kg	UJ	UN	5.00	mg/kg	UJ
Zinc		464.00	mg/kg	-		493.00	mg/kg	-

00302

Appendix L.2 - Major Media
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				STEEL COATINGS				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"											
Process Area:	1				1				1				1				1			
Sample:	46-003				46-004				46-005				46-011				46-011A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		5780.00	mg/kg	-		5860.00	mg/kg	-		5120.00	mg/kg	-		1170.00	mg/kg	-		870.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ	UN	9.40	mg/kg	UJ	UN	9.50	mg/kg	UJ	U	62.10	mg/kg	U		21.00	mg/kg	-
Arsenic	S	9.70	mg/kg	-	S	5.20	mg/kg	-		3.40	mg/kg	-	B	3.70	mg/kg	U	N	11.70	mg/kg	-
Barium		83.20	mg/kg	-		60.00	mg/kg	-		51.60	mg/kg	-		4950.00	mg/kg	-		12900.00	mg/kg	-
Beryllium	U	0.41	mg/kg	U	U	0.20	mg/kg	U	U	0.21	mg/kg	U	U	0.61	mg/kg	U	U	0.20	mg/kg	U
Cadmium	U	0.62	mg/kg	U	U	0.61	mg/kg	U	B	0.90	mg/kg	U	B	7.30	mg/kg	U		3.60	mg/kg	-
Calcium	E	197000.00	mg/kg	J	E	191000.00	mg/kg	J	E	185000.00	mg/kg	J	E	10900.00	mg/kg	J	E	6640.00	mg/kg	J
Chromium	EN*	45.90	mg/kg	J	EN*	11.60	mg/kg	J	EN*	6.80	mg/kg	J		635.00	mg/kg	-	*	290.00	mg/kg	-
Cobalt	B	5.60	mg/kg	-	B	3.70	mg/kg	-	B	3.00	mg/kg	-		239.00	mg/kg	-		161.00	mg/kg	-
Copper	N*	148.00	mg/kg	J	N*	13.00	mg/kg	J	N*	7.00	mg/kg	J		124.00	mg/kg	-	*	351.00	mg/kg	-
Iron		40800.00	mg/kg	-		9530.00	mg/kg	-		6570.00	mg/kg	-		64900.00	mg/kg	-	*	219000.00	mg/kg	-
Lead		17.00	mg/kg	-		6.60	mg/kg	-		2.50	mg/kg	-		143000.00	mg/kg	-	N*	113000.00	mg/kg	J
Magnesium		44300.00	mg/kg	-		48500.00	mg/kg	-		43700.00	mg/kg	-	B	2900.00	mg/kg	-		1920.00	mg/kg	-
Manganese	E	531.00	mg/kg	J	E	287.00	mg/kg	J	E	321.00	mg/kg	J		544.00	mg/kg	-	*	1380.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U	0.10	mg/kg	U		0.29	mg/kg	-	N	0.13	mg/kg	J
Molybdenum																				
Nickel	N*	101.00	mg/kg	J	N*	15.40	mg/kg	J	BN*	6.70	mg/kg	J	B	40.80	mg/kg	-	EN*	125.00	mg/kg	J
Potassium		1360.00	mg/kg	-	B	891.00	mg/kg	-	B	818.00	mg/kg	-	U	5520.00	mg/kg	U	B	573.00	mg/kg	U
Selenium	UWN	0.61	mg/kg	UJ	UWN	0.62	mg/kg	UJ	UWN	0.62	mg/kg	UJ	B	5.50	mg/kg	U	UW	3.10	mg/kg	UJ
Silicon																				
Silver	U	0.82	mg/kg	U	U	0.82	mg/kg	U	B	1.70	mg/kg	-	U	8.60	mg/kg	U	UN	0.81	mg/kg	UJ
Sodium		1470.00	mg/kg	J	B	1010.00	mg/kg	J	B	821.00	mg/kg	J	B	671.00	mg/kg	U		1730.00	mg/kg	J
Thallium	U	0.82	mg/kg	U	U	0.82	mg/kg	U	U	0.83	mg/kg	U	U	5.50	mg/kg	U	U	0.82	mg/kg	U
Vanadium		12.80	mg/kg	-		11.90	mg/kg	-	B	10.30	mg/kg	-	U	20.00	mg/kg	U	UN*	8.90	mg/kg	UJ
Zinc	E	47.50	mg/kg	J	E	26.10	mg/kg	J	E	15.90	mg/kg	J		12600.00	mg/kg	-	E	8690.00	mg/kg	J

030903

212 23

Appendix L.2 - Major Media
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Metals

Material:	STEEL COATINGS			
Depth:				
Process Area:	1			
Sample:	46-012A DUP			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		897.00	mg/kg	-
Antimony		28.30	mg/kg	-
Arsenic	SN	15.30	mg/kg	-
Barium		10200.00	mg/kg	-
Beryllium	U	0.20	mg/kg	U
Cadmium		4.20	mg/kg	-
Calcium	E	6840.00	mg/kg	J
Chromium	*	290.00	mg/kg	-
Cobalt		161.00	mg/kg	-
Copper	*	344.00	mg/kg	-
Iron	*	210000.00	mg/kg	-
Lead	N*	88200.00	mg/kg	J
Magnesium		2000.00	mg/kg	-
Manganese	*	1320.00	mg/kg	J
Mercury	N	0.15	mg/kg	J
Molybdenum				
Nickel	EN*	125.00	mg/kg	J
Potassium	B	655.00	mg/kg	U
Selenium	UW	3.10	mg/kg	UJ
Silicon				
Silver	UN	0.82	mg/kg	UJ
Sodium		1880.00	mg/kg	J
Thallium	U	0.82	mg/kg	U
Vanadium	UN*	9.00	mg/kg	UJ
Zinc	E	9140.00	mg/kg	J

000504

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	2
Sample:	53A-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4790.00	mg/kg	-
Antimony	U	53.50	mg/kg	U
Arsenic		3.40	mg/kg	-
Barium	BE	23.50	mg/kg	J
Beryllium	B	0.96	mg/kg	-
Cadmium	U	5.70	mg/kg	U
Calcium		186000.00	mg/kg	-
Chromium	B*	14.10	mg/kg	J
Cobalt	U	6.50	mg/kg	U
Copper	B*	26.30	mg/kg	U
Iron		7480.00	mg/kg	-
Lead	*	3.10	mg/kg	J
Magnesium		39600.00	mg/kg	-
Manganese		246.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel	B	25.70	mg/kg	-
Potassium	U	6390.00	mg/kg	U
Selenium	UEN	0.71	mg/kg	UJ
Silicon				
Silver	UN	6.90	mg/kg	U
Sodium	B	297.00	mg/kg	-
Thallium	UW	0.14	mg/kg	UJ
Vanadium	B	31.30	mg/kg	-
Zinc	B	26.90	mg/kg	-

000505

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"								0-.5"				0-.5"			
Process Area:	1				1				1				2				2			
Sample:	54A-003				54A-005				54A-006				54A-007A				54A-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		3580.00	mg/kg	-		3650.00	mg/kg	-		1750.00	mg/kg	-		5050.00	mg/kg	-		4950.00	mg/kg	-
Antimony	B	7.30	mg/kg	U	B	4.40	mg/kg	U	BNW	2.90	mg/kg	J	UN	2.00	mg/kg	R	UN	2.00	mg/kg	R
Arsenic		2.10	mg/kg	-		2.10	mg/kg	-	N*	7.10	mg/kg	J	UN	1.60	mg/kg	UJ	BN	2.50	mg/kg	J
Barium		47.00	mg/kg	-	B	38.20	mg/kg	-	B	22.00	mg/kg	-	B	56.00	mg/kg	-	B	59.10	mg/kg	-
Beryllium	UN*	0.20	mg/kg	UJ	BN*	0.25	mg/kg	J	*	3.40	mg/kg	-	U	4.80	mg/kg	U	U	4.80	mg/kg	U
Cadmium	U	0.79	mg/kg	U	U	0.80	mg/kg	U		2.00	mg/kg	-	UN*	5.40	mg/kg	UJ	UN*	5.40	mg/kg	UJ
Calcium	E	126000.00	mg/kg	J	E	160000.00	mg/kg	J		21000.00	mg/kg	-		193000.00	mg/kg	-		166000.00	mg/kg	-
Chromium	N*	7.30	mg/kg	U	N*	15.10	mg/kg	-		96.20	mg/kg	-	B	14.80	mg/kg	-		31.60	mg/kg	-
Cobalt	B	4.10	mg/kg	U	B	4.10	mg/kg	U		116.00	mg/kg	-	U	7.60	mg/kg	U	U	7.60	mg/kg	U
Copper		12.20	mg/kg	-		7.50	mg/kg	-	*	82.40	mg/kg	-	UN	4.80	mg/kg	R	UN	4.80	mg/kg	R
Iron	E	6140.00	mg/kg	J	E	5490.00	mg/kg	J		150000.00	mg/kg	-	*	8460.00	mg/kg	-	*	7470.00	mg/kg	-
Lead		10.50	mg/kg	-	N*	16300.00	mg/kg	J		454.00	mg/kg	-	B	5.40	mg/kg	-	*	192.00	mg/kg	-
Magnesium		24800.00	mg/kg	-		45700.00	mg/kg	-	*	7620.00	mg/kg	-		38200.00	mg/kg	-		47800.00	mg/kg	-
Manganese	EN	241.00	mg/kg	J	EN	284.00	mg/kg	J	N*	1360.00	mg/kg	J		35.60	mg/kg	-		312.00	mg/kg	-
Mercury		2.20	mg/kg	-		1.10	mg/kg	-	N	3.90	mg/kg	J	*	0.10	mg/kg	-	B*	0.09	mg/kg	-
Molybdenum																				
Nickel		12.20	mg/kg	-	B	5.50	mg/kg	U		51.40	mg/kg	-	U	35.60	mg/kg	U	U	35.60	mg/kg	U
Potassium	B	894.00	mg/kg	-		1050.00	mg/kg	-	B	378.00	mg/kg	-	B	4950.00	mg/kg	U	U	4340.00	mg/kg	U
Selenium	UN	3.90	mg/kg	U	UN	4.00	mg/kg	U	UN	0.20	mg/kg	UJ	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U
Silicon																				
Silver	UN*	0.99	mg/kg	UJ	UN*	1.00	mg/kg	UJ	UW	0.40	mg/kg	U	BN	10.70	mg/kg	U	BN	9.90	mg/kg	U
Sodium	BE	734.00	mg/kg	J	BE	376.00	mg/kg	J	B	420.00	mg/kg	-	B	2010.00	mg/kg	U	B	686.00	mg/kg	U
Thallium	UWN	0.39	mg/kg	UJ	UWN	0.40	mg/kg	UJ	B	0.27	mg/kg	-	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U
Vanadium	BN	7.50	mg/kg	J	BN	8.60	mg/kg	J		12.20	mg/kg	U	B	17.80	mg/kg	U	B	19.20	mg/kg	U
Zinc	E	82.40	mg/kg	J	E	132.00	mg/kg	J		978.00	mg/kg	-		98.40	mg/kg	-		152.00	mg/kg	-

000505

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	STEEL COATINGS				STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS			
Depth:									0-.5"				0-.5"							
Process Area:	2				2				3				3				1			
Sample:	54A-010A				54A-011A DUP				54A-013				54A-015				54A-016A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2560.00	mg/kg	-		2650.00	mg/kg	-		4300.00	mg/kg	-		4670.00	mg/kg	-		3760.00	mg/kg	-
Antimony		128.00	mg/kg	-		94.30	mg/kg	U	U	38.00	mg/kg	U	B	6.80	mg/kg	U	BW	1.10	mg/kg	J
Arsenic		6.20	mg/kg	-	S	3.10	mg/kg	-		2.20	mg/kg	-	W	2.90	mg/kg	J		7.70	mg/kg	-
Barium		1630.00	mg/kg	-		1590.00	mg/kg	-		40.20	mg/kg	-		43.50	mg/kg	-		1080.00	mg/kg	-
Beryllium	U	0.20	mg/kg	U	U	0.20	mg/kg	U	N*	2.60	mg/kg	J	BN*	0.22	mg/kg	J	U	0.81	mg/kg	U
Cadmium	U	4.00	mg/kg	U	U	4.00	mg/kg	U	U	8.00	mg/kg	U	U	0.81	mg/kg	U		12.40	mg/kg	-
Calcium	E	21800.00	mg/kg	J	E	22600.00	mg/kg	J	E	146000.00	mg/kg	J	E	200000.00	mg/kg	J		31700.00	mg/kg	-
Chromium		3320.00	mg/kg	-		3330.00	mg/kg	-	UN*	50.00	mg/kg	U	N*	11.70	mg/kg	-		4140.00	mg/kg	-
Cobalt		91.70	mg/kg	-		92.10	mg/kg	-	U	1.00	mg/kg	U	B	5.00	mg/kg	U		114.00	mg/kg	-
Copper	*	270.00	mg/kg	J		260.00	mg/kg	J		10.10	mg/kg	-		7.50	mg/kg	-		438.00	mg/kg	-
Iron		97100.00	mg/kg	-		101000.00	mg/kg	-	E	5200.00	mg/kg	J	E	6560.00	mg/kg	J		202000.00	mg/kg	-
Lead	N	1340.00	mg/kg	J		643.00	mg/kg	J		19.40	mg/kg	-		33.90	mg/kg	-		652.00	mg/kg	-
Magnesium		5230.00	mg/kg	-		5370.00	mg/kg	-		36000.00	mg/kg	-		37600.00	mg/kg	-		10000.00	mg/kg	-
Manganese	N	919.00	mg/kg	-	N	979.00	mg/kg	-	EN	235.00	mg/kg	J	EN	320.00	mg/kg	J		1940.00	mg/kg	-
Mercury		15.10	mg/kg	-		18.10	mg/kg	-	B	0.05	mg/kg	-	U	0.05	mg/kg	U		16.00	mg/kg	-
Molybdenum																				
Nickel		72.20	mg/kg	-		70.90	mg/kg	-		8.70	mg/kg	U	B	7.10	mg/kg	U		152.00	mg/kg	-
Potassium		1710.00	mg/kg	-		1640.00	mg/kg	-		1450.00	mg/kg	-		1580.00	mg/kg	-		2920.00	mg/kg	-
Selenium	UN	0.40	mg/kg	UJ	UWN	0.40	mg/kg	UJ	UN	4.00	mg/kg	U	UN	4.10	mg/kg	U	UNW	0.20	mg/kg	UJ
Silicon																				
Silver	U	5.00	mg/kg	U	U	5.00	mg/kg	U	N*	20.50	mg/kg	J	UN*	1.00	mg/kg	UJ	U	0.20	mg/kg	U
Sodium		1080.00	mg/kg	-		1040.00	mg/kg	-	E	1040.00	mg/kg	J	E	1140.00	mg/kg	J		1420.00	mg/kg	-
Thallium	UWN	0.40	mg/kg	UJ	UWN	0.40	mg/kg	UJ	UWN	0.40	mg/kg	UJ	UWN	0.41	mg/kg	UJ	UW	0.20	mg/kg	U
Vanadium	U	4.00	mg/kg	U	U	4.00	mg/kg	U	UN	40.00	mg/kg	UJ	BN	9.60	mg/kg	J		16.30	mg/kg	-
Zinc	E	5240.00	mg/kg	J	E	5360.00	mg/kg	J	E	31.50	mg/kg	J	E	57.10	mg/kg	J		5450.00	mg/kg	-

205000

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				STEEL COATINGS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"							
Process Area:	4				4				4				4				4			
Sample:	54A-017				54A-018				54A-019				54A-021				54A-022A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6360.00	mg/kg	-		6100.00	mg/kg	-		4890.00	mg/kg	-		5430.00	mg/kg	-		5130.00	mg/kg	-
Antimony	UN	2.00	mg/kg	R	UN	2.00	mg/kg	R	UN	2.00	mg/kg	R	BN	2.80	mg/kg	J	BW	8.10	mg/kg	J
Arsenic	BN	2.70	mg/kg	J	UN	1.60	mg/kg	UJ	BN	1.90	mg/kg	J	BN	1.80	mg/kg	J		7.80	mg/kg	-
Barium	B	51.20	mg/kg	-	B	37.80	mg/kg	-	B	42.90	mg/kg	-	B	73.10	mg/kg	-		1470.00	mg/kg	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	0.81	mg/kg	U
Cadmium	UN*	5.40	mg/kg	UJ	UN*	5.40	mg/kg	UJ	UN*	5.40	mg/kg	UJ	UN*	5.40	mg/kg	UJ		8.80	mg/kg	-
Calcium		169000.00	mg/kg	-		173000.00	mg/kg	-		189000.00	mg/kg	-		183000.00	mg/kg	-		37000.00	mg/kg	-
Chromium		61.90	mg/kg	-	B	10.50	mg/kg	-		105.00	mg/kg	-		30.60	mg/kg	-		4530.00	mg/kg	-
Cobalt	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.60	mg/kg	U	U	7.60	mg/kg	U		144.00	mg/kg	-
Copper	UN	4.80	mg/kg	R	UN	4.80	mg/kg	R	UN	4.80	mg/kg	R	UN	4.80	mg/kg	R		200.00	mg/kg	-
Iron	*	8290.00	mg/kg	-	*	8750.00	mg/kg	-	*	7070.00	mg/kg	-	*	8170.00	mg/kg	-		146000.00	mg/kg	-
Lead		322.00	mg/kg	-	B	5.80	mg/kg	-	B	4.70	mg/kg	-	S	170.00	mg/kg	-		624.00	mg/kg	-
Magnesium		32500.00	mg/kg	-		32800.00	mg/kg	-		40100.00	mg/kg	-		50500.00	mg/kg	-		12900.00	mg/kg	-
Manganese		246.00	mg/kg	-		276.00	mg/kg	-		329.00	mg/kg	-		268.00	mg/kg	-		1390.00	mg/kg	-
Mercury	*	0.10	mg/kg	-	U*	0.05	mg/kg	U	U*	0.05	mg/kg	U	*	0.26	mg/kg	-		21.10	mg/kg	-
Molybdenum																				
Nickel	U	35.60	mg/kg	U	U	35.60	mg/kg	U	U	35.60	mg/kg	U	U	35.60	mg/kg	U		191.00	mg/kg	-
Potassium	B	4400.00	mg/kg	U	U	4340.00	mg/kg	U	B	5360.00	mg/kg	U	B	4510.00	mg/kg	U		2680.00	mg/kg	-
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U	UWN	2.20	mg/kg	U	UNW	0.20	mg/kg	UJ
Silicon																				
Silver	UN	6.80	mg/kg	U	BN	8.60	mg/kg	U	BN	8.50	mg/kg	U	BN	10.30	mg/kg	U	U	0.20	mg/kg	U
Sodium	B	1000.00	mg/kg	U	B	658.00	mg/kg	U	B	515.00	mg/kg	U	B	655.00	mg/kg	U		1340.00	mg/kg	-
Thallium	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U	UW	0.20	mg/kg	U
Vanadium	U	5.00	mg/kg	U	B	25.50	mg/kg	U	B	21.10	mg/kg	U	B	18.10	mg/kg	U		25.60	mg/kg	-
Zinc		68.90	mg/kg	U		48.60	mg/kg	U	B	34.90	mg/kg	U		236.00	mg/kg	-		6590.00	mg/kg	-

005508

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"								0-.5"				0-.5"			
Process Area:	5				5				5				6				6			
Sample:	54A-023				54A-024				54A-026A				54A-027				54A-029			
Metals	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Aluminum		5310.00	mg/kg	-		6660.00	mg/kg	-		1680.00	mg/kg	-		4630.00	mg/kg	-		4610.00	mg/kg	-
Antimony	BN	2.50	mg/kg	J	UN	2.00	mg/kg	R		142.00	mg/kg	-	U	3.90	mg/kg	U	U	0.80	mg/kg	U
Arsenic	BN	3.20	mg/kg	J	BN	3.40	mg/kg	J		10.30	mg/kg	-	BS	1.20	mg/kg	-	US	0.40	mg/kg	U
Barium	B	76.10	mg/kg	-	B	69.60	mg/kg	-	B	16.70	mg/kg	-		42.40	mg/kg	-	B	31.30	mg/kg	-
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U	U	0.20	mg/kg	U	B	0.36	mg/kg	-		1.40	mg/kg	-
Cadmium	UN*	5.40	mg/kg	UJ	UN*	5.40	mg/kg	UJ	U	4.10	mg/kg	U	U	0.81	mg/kg	U	U	1.00	mg/kg	U
Calcium		191000.00	mg/kg	-		218000.00	mg/kg	-	E	28500.00	mg/kg	J	E	136000.00	mg/kg	J		176000.00	mg/kg	-
Chromium	B	12.00	mg/kg	-		52.40	mg/kg	-		4100.00	mg/kg	-		8.60	mg/kg	-		30.30	mg/kg	-
Cobalt	U	7.60	mg/kg	U	B	9.20	mg/kg	-		116.00	mg/kg	-		2.70	mg/kg	-	B	6.90	mg/kg	-
Copper	UN	4.80	mg/kg	R	UN	4.80	mg/kg	R	*	787.00	mg/kg	J	*	24.20	mg/kg	J		16.40	mg/kg	-
Iron	*	7990.00	mg/kg	-	*	9830.00	mg/kg	-		113000.00	mg/kg	-		5870.00	mg/kg	-		7990.00	mg/kg	-
Lead		23.60	mg/kg	-	S	96.00	mg/kg	-	N	1010.00	mg/kg	J	SW	4.50	mg/kg	J		140.00	mg/kg	-
Magnesium		42400.00	mg/kg	-		41700.00	mg/kg	-		7250.00	mg/kg	-		25700.00	mg/kg	-		41100.00	mg/kg	-
Manganese		302.00	mg/kg	-		373.00	mg/kg	-	N	675.00	mg/kg	-	N	221.00	mg/kg	-		360.00	mg/kg	-
Mercury	B*	0.08	mg/kg	-	*	0.21	mg/kg	-		23.30	mg/kg	-	U	0.05	mg/kg	U	B	0.06	mg/kg	U
Molybdenum										148.00	mg/kg	-		13.20	mg/kg	-		9.60	mg/kg	-
Nickel	U	35.60	mg/kg	U	U	35.60	mg/kg	U		1820.00	mg/kg	-		1440.00	mg/kg	-		1580.00	mg/kg	-
Potassium	B	4560.00	mg/kg	U	U	4340.00	mg/kg	U	BN	0.51	mg/kg	J	UN	4.10	mg/kg	UJ	UNW	0.20	mg/kg	UJ
Selenium	UN	2.20	mg/kg	U	UN	2.20	mg/kg	U												
Silicon									U	5.10	mg/kg	U	U	1.00	mg/kg	U	U	0.20	mg/kg	U
Silver	BN	12.30	mg/kg	U	BN	8.50	mg/kg	U	B	828.00	mg/kg	-	B	884.00	mg/kg	-	B	346.00	mg/kg	-
Sodium	B	1620.00	mg/kg	U	B	1050.00	mg/kg	U	UWN	0.41	mg/kg	UJ	UWN	0.41	mg/kg	UJ	UW	0.20	mg/kg	U
Thallium	UN	1.00	mg/kg	U	UN	1.00	mg/kg	U	U	4.10	mg/kg	U		5.00	mg/kg	-		14.20	mg/kg	-
Vanadium	B	12.00	mg/kg	U	B	13.70	mg/kg	U	E	5980.00	mg/kg	J	E	61.30	mg/kg	J		132.00	mg/kg	-
Zinc		412.00	mg/kg	-		437.00	mg/kg	-												

609309

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:					0-.5"				.5-1"				1-6"				0-.5"			
Process Area:	6				7				7				7				7			
Sample:	54A-030				54A-031A				54A-032A				54A-033A				54A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
letals																				
Aluminum		1890.00	mg/kg	-		7980.00	mg/kg	-		6370.00	mg/kg	-		5530.00	mg/kg	-		4930.00	mg/kg	-
Antimony		132.00	mg/kg	-	U	0.83	mg/kg	U	U	0.84	mg/kg	U	U	0.82	mg/kg	U	BN	3.20	mg/kg	J
Arsenic		4.60	mg/kg	-	W	2.70	mg/kg	J		4.00	mg/kg	-	U+	0.41	mg/kg	UJ	UN	1.60	mg/kg	UJ
Barium	B	20.50	mg/kg	-		50.70	mg/kg	-		57.80	mg/kg	-		56.70	mg/kg	-	B	176.00	mg/kg	-
Beryllium	U	0.20	mg/kg	U		2.00	mg/kg	-		2.80	mg/kg	-		2.00	mg/kg	-	U	4.80	mg/kg	U
Cadmium	U	4.00	mg/kg	U	U	1.00	mg/kg	U		1.50	mg/kg	-		1.20	mg/kg	-	UN*	5.40	mg/kg	UJ
Calcium	E	27000.00	mg/kg	J		234000.00	mg/kg	-		224000.00	mg/kg	-		160000.00	mg/kg	-		188000.00	mg/kg	-
Chromium		4470.00	mg/kg	-		12.40	mg/kg	-		13.40	mg/kg	-		13.90	mg/kg	-	B	14.50	mg/kg	-
Cobalt		127.00	mg/kg	-	B	3.60	mg/kg	-	B	4.80	mg/kg	-	B	4.50	mg/kg	-	U	7.60	mg/kg	U
Copper	*	723.00	mg/kg	J		12.30	mg/kg	-		34.00	mg/kg	-		19.60	mg/kg	-	N	76.20	mg/kg	J
Iron		116000.00	mg/kg	-		8570.00	mg/kg	-		11300.00	mg/kg	-		6970.00	mg/kg	-	*	7810.00	mg/kg	-
Lead	N	773.00	mg/kg	J	*	64.30	mg/kg	-	*	4.30	mg/kg	-	*	15.20	mg/kg	-		101.00	mg/kg	-
Magnesium		7820.00	mg/kg	-		46600.00	mg/kg	-		41100.00	mg/kg	-		35700.00	mg/kg	-		47800.00	mg/kg	-
Manganese	N	692.00	mg/kg	-		318.00	mg/kg	-		414.00	mg/kg	-		216.00	mg/kg	-		271.00	mg/kg	-
Mercury		21.30	mg/kg	-	U	0.05	mg/kg	U	U	0.05	mg/kg	U	B	0.07	mg/kg	U	B*	0.08	mg/kg	-
Molybdenum																				
Nickel		142.00	mg/kg	-		14.40	mg/kg	-		12.10	mg/kg	-		13.00	mg/kg	-	U	35.60	mg/kg	U
Potassium		2250.00	mg/kg	-		1500.00	mg/kg	-		1790.00	mg/kg	-		2860.00	mg/kg	-	U	4340.00	mg/kg	U
Selenium	UWN	0.40	mg/kg	UJ	UNW	0.21	mg/kg	UJ	UNW	0.21	mg/kg	UJ	UNW	0.20	mg/kg	UJ	UN	2.20	mg/kg	U
Silicon																				
Silver	U	5.00	mg/kg	U	U	0.21	mg/kg	U	B	1.40	mg/kg	U	U	0.20	mg/kg	U	BN	8.40	mg/kg	U
Sodium	B	794.00	mg/kg	-	B	486.00	mg/kg	-	B	601.00	mg/kg	-		1140.00	mg/kg	-	B	726.00	mg/kg	-
Thallium	UN	0.40	mg/kg	UJ	UW	0.21	mg/kg	U	BW	0.29	mg/kg	J	B	0.28	mg/kg	-	UN	1.00	mg/kg	U
Vanadium	U	4.00	mg/kg	U		22.90	mg/kg	-		16.80	mg/kg	-		14.80	mg/kg	-	B	20.30	mg/kg	U
Zinc	E	6590.00	mg/kg	J		30.80	mg/kg	-		61.00	mg/kg	-		121.00	mg/kg	-		264.00	mg/kg	-

060340

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:					0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	7				8				8				1				1			
Sample:	54A-036				54A-037				54A-038				54A-040				54A-040(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		1890.00	mg/kg	-		7530.00	mg/kg	-		3620.00	mg/kg	-		3520.00	mg/kg	-				
Antimony		216.00	mg/kg	-	UN	2.00	mg/kg	R		5.30	mg/kg	U	U	9.20	mg/kg	UJ				
Arsenic		2.80	mg/kg	-	UN	1.60	mg/kg	UJ	BS	2.00	mg/kg	-	BW	2.00	mg/kg	J	U	2.0000	mg/L	U
Barium		53.30	mg/kg	-	B	86.30	mg/kg	-	B	33.50	mg/kg	-	B	38.10	mg/kg	-	U	10.0000	mg/L	U
Beryllium	B	0.80	mg/kg	-	U	4.80	mg/kg	U	B	0.21	mg/kg	-	B	0.21	mg/kg	-				
Cadmium		5.00	mg/kg	-	UN*	5.40	mg/kg	UJ	U	0.80	mg/kg	U	B	0.60	mg/kg	-	U	0.1000	mg/L	U
Calcium	E	39800.00	mg/kg	J		186000.00	mg/kg	-	E	214000.00	mg/kg	J		145000.00	mg/kg	-				
Chromium		8170.00	mg/kg	-	B	19.60	mg/kg	-		19.40	mg/kg	-		13.80	mg/kg	-	U	0.5000	mg/L	U
Cobalt		103.00	mg/kg	-	B	10.30	mg/kg	-	B	3.70	mg/kg	-	B	4.50	mg/kg	-				
Copper	*	47.50	mg/kg	J	BN	5.50	mg/kg	UJ	*	5.80	mg/kg	J		5.70	mg/kg	-				
Iron		4110.00	mg/kg	-	*	10000.00	mg/kg	-		5240.00	mg/kg	-		4480.00	mg/kg	-				
Lead	N	100000.00	mg/kg	J		22.20	mg/kg	-	N	107.00	mg/kg	J	*	13000.00	mg/kg	-		11.0000	mg/L	-
Magnesium		2230.00	mg/kg	-		40000.00	mg/kg	-		50600.00	mg/kg	-		52100.00	mg/kg	-				
Manganese		140.00	mg/kg	-		300.00	mg/kg	-	N	328.00	mg/kg	-		279.00	mg/kg	-				
Mercury		0.77	mg/kg	-	B*	0.07	mg/kg	-	B	0.08	mg/kg	-		0.60	mg/kg	-	U	0.0200	mg/L	U
Molybdenum																				
Nickel		7.90	mg/kg	-	U	35.60	mg/kg	U	B	4.10	mg/kg	-	B	4.20	mg/kg	U				
Potassium	B	246.00	mg/kg	-	B	8970.00	mg/kg	U	B	804.00	mg/kg	-		1090.00	mg/kg	-				
Selenium	UWN	4.00	mg/kg	UJ	UN	2.20	mg/kg	U	U	0.40	mg/kg	UJ	UW	0.60	mg/kg	UJ	U	0.1000	mg/L	U
Silicon																				
Silver		2.10	mg/kg	-	UN	6.80	mg/kg	U	U	1.00	mg/kg	U	U	0.80	mg/kg	U	U	0.5000	mg/L	U
Sodium		475.00	mg/kg	-	B	3480.00	mg/kg	-	B	493.00	mg/kg	-	B	609.00	mg/kg	J				
Thallium	UWN	0.40	mg/kg	UJ	UN	1.00	mg/kg	U	UWN	0.40	mg/kg	UJ	U	0.80	mg/kg	U				
Vanadium	U	7.80	mg/kg	U	U	5.00	mg/kg	U	B	6.70	mg/kg	-	B	7.00	mg/kg	-				
Zinc	E	6450.00	mg/kg	J		154.00	mg/kg	-	E	70.20	mg/kg	J		119.00	mg/kg	-				

7173

000511

Appendix L.2 - Major Media
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	54A-041				54A-041(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		9610.00	mg/kg	-				
Antimony	U	9.30	mg/kg	UJ				
Arsenic		5.90	mg/kg	-	U	2.0000	mg/L	U
Barium		69.30	mg/kg	-	U	10.0000	mg/L	U
Beryllium	B	0.35	mg/kg	-				
Cadmium	U	0.61	mg/kg	U	U	0.1000	mg/L	U
Calcium		78500.00	mg/kg	-				
Chromium		13.30	mg/kg	-	U	0.5000	mg/L	U
Cobalt	B	5.80	mg/kg	-				
Copper		12.90	mg/kg	-				
Iron		11200.00	mg/kg	-				
Lead		4.30	mg/kg	-	U	1.0000	mg/L	U
Magnesium		9650.00	mg/kg	-				
Manganese		173.00	mg/kg	-				
Mercury		2.70	mg/kg	-	U	0.0200	mg/L	U
Molybdenum								
Nickel		21.80	mg/kg	-				
Potassium		4710.00	mg/kg	-				
Selenium	UW	0.61	mg/kg	UJ	U	0.1000	mg/L	U
Silicon								
Silver	U	0.81	mg/kg	U	U	0.5000	mg/L	U
Sodium		1220.00	mg/kg	J				
Thallium	U	0.81	mg/kg	U				
Vanadium		17.20	mg/kg	-				
Zinc		28.00	mg/kg	-				

000542

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 54B - Pilot Plant Shelter
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	54B-002				54B-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5970.00	mg/kg	-		3680.00	mg/kg	-
Antimony	UN	2.30	mg/kg	UJ	UN	2.30	mg/kg	UJ
Arsenic	N	3.20	mg/kg	J	BN	1.50	mg/kg	J
Barium		50.80	mg/kg	-		1500.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	NE	0.58	mg/kg	UJ	NE	7.30	mg/kg	J
Calcium	E	200000.00	mg/kg	J	E	34000.00	mg/kg	J
Chromium	E	9.70	mg/kg	J	E	1700.00	mg/kg	J
Cobalt	E	3.30	mg/kg	J	E	176.00	mg/kg	J
Copper		6.20	mg/kg	-		32.90	mg/kg	-
Iron		6450.00	mg/kg	-		17700.00	mg/kg	-
Lead	W*	8.60	mg/kg	J	E	19400.00	mg/kg	J
Magnesium		26600.00	mg/kg	-		11100.00	mg/kg	-
Manganese	E	219.00	mg/kg	J	E	206.00	mg/kg	J
Mercury	UN	0.01	mg/kg	R	N	0.34	mg/kg	J
Molybdenum								
Nickel	E	6.20	mg/kg	J	E	8.10	mg/kg	J
Potassium		1090.00	mg/kg	-		511.00	mg/kg	-
Selenium	UWN	0.25	mg/kg	R	UN	0.21	mg/kg	R
Silicon								
Silver	U*E	0.19	mg/kg	UJ	*E	1.20	mg/kg	J
Sodium		396.00	mg/kg	-		400.00	mg/kg	-
Thallium	UWN	0.32	mg/kg	UJ	UN	2.70	mg/kg	UJ
Vanadium	NE	11.80	mg/kg	J	NE	3.70	mg/kg	J
Zinc		51.80	mg/kg	-		1500.00	mg/kg	-

Appendix L.2 - Major Media
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator Shelter
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	54C-002A				54C-003A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5070.00	mg/kg	-		6960.00	mg/kg	-
Antimony	UN	53.90	mg/kg	UJ	UN	2.40	mg/kg	UJ
Arsenic	N	4.30	mg/kg	J	SN	6.30	mg/kg	J
Barium	B	47.50	mg/kg	-		78.70	mg/kg	-
Beryllium	B	1.30	mg/kg	U	UN	0.02	mg/kg	UJ
Cadmium	U	5.70	mg/kg	U	NE	4.00	mg/kg	J
Calcium		158000.00	mg/kg	-	E	21000.00	mg/kg	J
Chromium	B	7.10	mg/kg	-	E	1190.00	mg/kg	J
Cobalt	U	6.50	mg/kg	U	E	168.00	mg/kg	J
Copper	B	24.00	mg/kg	U		283.00	mg/kg	-
Iron	•	9630.00	mg/kg	-		92100.00	mg/kg	-
Lead	N	6.00	mg/kg	J	E	315.00	mg/kg	J
Magnesium		27200.00	mg/kg	-		8830.00	mg/kg	-
Manganese		445.00	mg/kg	-	E	755.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	N	0.13	mg/kg	J
Molybdenum								
Nickel	U	24.60	mg/kg	U	E	117.00	mg/kg	J
Potassium	U	6450.00	mg/kg	U		1890.00	mg/kg	-
Selenium	UWN	0.71	mg/kg	UJ	BN	0.83	mg/kg	J
Silicon								
Silver	U	6.90	mg/kg	U	*E	1.90	mg/kg	J
Sodium	B	1000.00	mg/kg	-		418.00	mg/kg	-
Thallium	UN	0.31	mg/kg	UJ	UWN	0.31	mg/kg	UJ
Vanadium	B	35.10	mg/kg	-	NE	8.70	mg/kg	J
Zinc	•	77.90	mg/kg	-		3410.00	mg/kg	-

0574

Appendix L.2 - Major Media
Category 3 - Process
Component 55A - Slag Recycling Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	55A-003				55A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5540.00	mg/kg	-		2900.00	mg/kg	-
Antimony	UN	9.90	mg/kg	UJ	N	56.70	mg/kg	J
Arsenic	N	5.50	mg/kg	-	N	9.50	mg/kg	-
Barium	N*	58.10	mg/kg	-	N*	129.00	mg/kg	-
Beryllium	B	0.32	mg/kg	-		1.10	mg/kg	-
Cadmium		1.30	mg/kg	U		31.00	mg/kg	-
Calcium		179000.00	mg/kg	-		22600.00	mg/kg	-
Chromium	N*	5.80	mg/kg	J	N*	2780.00	mg/kg	J
Cobalt	B	2.50	mg/kg	-		87.60	mg/kg	-
Copper	N*	17.70	mg/kg	J	N*	257.00	mg/kg	J
Iron	E*	7610.00	mg/kg	J	E*	184000.00	mg/kg	J
Lead		7.30	mg/kg	J	E*	5720.00	mg/kg	J
Magnesium		46700.00	mg/kg	-		12000.00	mg/kg	-
Manganese	E	317.00	mg/kg	J	E	1460.00	mg/kg	J
Mercury	U	0.10	mg/kg	U		0.15	mg/kg	-
Molybdenum								
Nickel		16.00	mg/kg	-		54.80	mg/kg	-
Potassium		1070.00	mg/kg	-		1290.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UWN	0.60	mg/kg	UJ
Silicon								
Silver	BN*	1.50	mg/kg	-	N*	4.80	mg/kg	-
Sodium	B	633.00	mg/kg	UJ	B	831.00	mg/kg	UJ
Thallium	U	0.60	mg/kg	U	U	0.60	mg/kg	U
Vanadium		10.10	mg/kg	-		26.30	mg/kg	-
Zinc	EN*	33.80	mg/kg	J	EN*	19700.00	mg/kg	J

005545

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	55B-003				55B-004A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4420.00	mg/kg	-		13600.00	mg/kg	-
Antimony	UN	2.40	mg/kg	R	UN	2.40	mg/kg	R
Arsenic	N	3.00	mg/kg	J		3.50	mg/kg	J
Barium	E	46.00	mg/kg	J	E	185.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	N	1.20	mg/kg	J	N	20.50	mg/kg	J
Calcium		192000.00	mg/kg	-		6370.00	mg/kg	-
Chromium		7.90	mg/kg	-		3000.00	mg/kg	-
Cobalt	BN	2.40	mg/kg	J	N	46.50	mg/kg	J
Copper	N	7.80	mg/kg	J	N	64.70	mg/kg	J
Iron	E	5610.00	mg/kg	J	E	37700.00	mg/kg	J
Lead	*	19.50	mg/kg	J	*	76100.00	mg/kg	J
Magnesium	E	43200.00	mg/kg	J	E	4750.00	mg/kg	J
Manganese	E	271.00	mg/kg	J	E	267.00	mg/kg	J
Mercury	UN	0.03	mg/kg	UJ	N	3.50	mg/kg	J
Molybdenum								
Nickel	N	3.70	mg/kg	J	N	16.60	mg/kg	J
Potassium		796.00	mg/kg	-	B	198.00	mg/kg	-
Selenium	SN	2.10	mg/kg	J	UWN	1.20	mg/kg	R
Silicon								
Silver	U	0.20	mg/kg	U		1.50	mg/kg	-
Sodium		1070.00	mg/kg	-		313.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ	UE	1.60	mg/kg	R
Vanadium		9.30	mg/kg	-		3.10	mg/kg	-
Zinc	EN	30.50	mg/kg	J	EN	430.00	mg/kg	J

000545

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 56A - CP Storage Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	56A-003				56A-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4610.00	mg/kg	-		1100.00	mg/kg	-
Antimony	UN*	2.10	mg/kg	U	BN*	2.10	mg/kg	J
Arsenic	N	5.30	mg/kg	-	SN	31.20	mg/kg	J
Barium		51.20	mg/kg	-		562.00	mg/kg	-
Beryllium	UN	0.03	mg/kg	U	UN	0.02	mg/kg	R
Cadmium	BN	0.16	mg/kg	U	N	6.60	mg/kg	J
Calcium	E	193000.00	mg/kg	-	E	34100.00	mg/kg	J
Chromium	EN	5.60	mg/kg	-	EN	2040.00	mg/kg	J
Cobalt	BEN	2.40	mg/kg	-	EN	107.00	mg/kg	J
Copper	N	8.00	mg/kg	-	N	84.30	mg/kg	J
Iron		5750.00	mg/kg	-		220000.00	mg/kg	-
Lead		4.50	mg/kg	-		20400.00	mg/kg	-
Magnesium		49100.00	mg/kg	-		2200.00	mg/kg	-
Manganese	E	245.00	mg/kg	-	E	979.00	mg/kg	J
Mercury	UN	0.04	mg/kg	U	N	3.30	mg/kg	J
Molybdenum								
Nickel	N	3.80	mg/kg	-	N	36.30	mg/kg	J
Potassium		1360.00	mg/kg	-		1170.00	mg/kg	-
Selenium	+	4.10	mg/kg	R	BW	0.52	mg/kg	U
Silicon								
Silver	U	0.20	mg/kg	U	U	0.20	mg/kg	U
Sodium		2130.00	mg/kg	-		327.00	mg/kg	-
Thallium	UW	0.32	mg/kg	UJ	UW	0.31	mg/kg	UJ
Vanadium	N	10.00	mg/kg	-	UN	0.19	mg/kg	R
Zinc	N	19.90	mg/kg	-	N	9100.00	mg/kg	J

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	62-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4000.00	mg/kg	-
Antimony	U	9.30	mg/kg	UJ
Arsenic		5.90	mg/kg	-
Barium	B	39.30	mg/kg	-
Beryllium	U	0.20	mg/kg	U
Cadmium	U	0.61	mg/kg	U
Calcium		190000.00	mg/kg	-
Chromium		7.40	mg/kg	-
Cobalt	U	1.60	mg/kg	U
Copper		6.70	mg/kg	-
Iron		6710.00	mg/kg	-
Lead		4.60	mg/kg	-
Magnesium		49400.00	mg/kg	-
Manganese		324.00	mg/kg	-
Mercury	U	0.10	mg/kg	U
Molybdenum				
Nickel	B	5.70	mg/kg	U
Potassium		1520.00	mg/kg	-
Selenium	UW	0.60	mg/kg	UJ
Silicon				
Silver	U	0.81	mg/kg	U
Sodium	B	1010.00	mg/kg	J
Thallium	U	0.81	mg/kg	U
Vanadium	B	8.10	mg/kg	-
Zinc		45.40	mg/kg	-

000548

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 63 - KC-2 Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	63-003				63-005				63-006 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		4410.00	mg/kg	-		4610.00	mg/kg	-		4230.00	mg/kg	-
Antimony	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ	UN	9.30	mg/kg	UJ
Arsenic	S	4.20	mg/kg	-		4.60	mg/kg	-		3.30	mg/kg	-
Barium		52.70	mg/kg	-	B	36.80	mg/kg	-	B	34.40	mg/kg	-
Beryllium	U	0.20	mg/kg	U	U	0.20	mg/kg	U	U	0.20	mg/kg	U
Cadmium	U	0.60	mg/kg	U	U	0.61	mg/kg	U	U	0.60	mg/kg	U
Calcium		144000.00	mg/kg	-		166000.00	mg/kg	-		166000.00	mg/kg	-
Chromium		6.00	mg/kg	-		7.80	mg/kg	-		6.40	mg/kg	-
Cobalt	B	4.30	mg/kg	-	B	2.40	mg/kg	-	B	2.30	mg/kg	-
Copper		11.30	mg/kg	-		7.60	mg/kg	-		7.10	mg/kg	-
Iron	E	7660.00	mg/kg	J	E	6810.00	mg/kg	J	E	6360.00	mg/kg	J
Lead	N*	12.10	mg/kg	J	N*	5.00	mg/kg	J	N*	17.00	mg/kg	J
Magnesium		37000.00	mg/kg	-		47300.00	mg/kg	-		54500.00	mg/kg	-
Manganese	E	344.00	mg/kg	J	E	285.00	mg/kg	J	E	280.00	mg/kg	J
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U	0.10	mg/kg	U
Molybdenum												
Nickel		9.90	mg/kg	-		8.10	mg/kg	U	B	3.90	mg/kg	U
Potassium		2060.00	mg/kg	-		1240.00	mg/kg	-		1160.00	mg/kg	-
Selenium	UWN	0.60	mg/kg	UJ	UWN	0.61	mg/kg	UJ	UWN	0.61	mg/kg	UJ
Silicon												
Silver	B	0.85	mg/kg	-	U	0.81	mg/kg	U	U	0.81	mg/kg	U
Sodium		1270.00	mg/kg	J	B	634.00	mg/kg	J	B	696.00	mg/kg	J
Thallium	UW	0.81	mg/kg	UJ	UW	0.82	mg/kg	UJ	UW	0.81	mg/kg	UJ
Vanadium	B	8.50	mg/kg	-		11.10	mg/kg	-	B	10.00	mg/kg	-
Zinc		21.30	mg/kg	-		20.40	mg/kg	-		21.40	mg/kg	-

00549

8212

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 64 - Thorium Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	64-003				64-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		6260.00	mg/kg	-		5720.00	mg/kg	-
Antimony	UN	9.60	mg/kg	UJ	UN	9.60	mg/kg	UJ
Arsenic		4.70	mg/kg	-		3.50	mg/kg	-
Barium		106.00	mg/kg	-		139.00	mg/kg	-
Beryllium	B	0.28	mg/kg	-	B	0.30	mg/kg	-
Cadmium	U	0.62	mg/kg	U		5.00	mg/kg	-
Calcium		182000.00	mg/kg	-		13300.00	mg/kg	-
Chromium		20.80	mg/kg	-		1920.00	mg/kg	-
Cobalt	B	2.50	mg/kg	-		77.90	mg/kg	-
Copper		30.30	mg/kg	-		87.70	mg/kg	-
Iron	E	20100.00	mg/kg	J	E	81300.00	mg/kg	-
Lead	N*	4.80	mg/kg	J		942.00	mg/kg	-
Magnesium		40300.00	mg/kg	-	B	683.00	mg/kg	-
Manganese	E	429.00	mg/kg	J	E	383.00	mg/kg	-
Mercury	U	0.10	mg/kg	U		0.12	mg/kg	-
Molybdenum								
Nickel		26.60	mg/kg	-		34.50	mg/kg	-
Potassium		1430.00	mg/kg	-	B	899.00	mg/kg	-
Selenium	U	0.61	mg/kg	U	UW	0.62	mg/kg	U
Silicon								
Silver	U	0.83	mg/kg	U		5.80	mg/kg	-
Sodium	B	1010.00	mg/kg	J		1060.00	mg/kg	J
Thallium	U	0.82	mg/kg	U	U	0.82	mg/kg	U
Vanadium		15.10	mg/kg	-	U	0.83	mg/kg	U
Zinc	*	37.50	mg/kg	-	*	11300.00	mg/kg	-

002320

Appendix L.2 - Major Media
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				1				0-.5"				.5-1"				1-4"			
Process Area:	1				1				2				2				2			
Sample:	66-003				66-005A				66-006A				66-007A				66-008A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	E	4010.00	mg/kg	-		2400.00	mg/kg	-		5660.00	mg/kg	-		3930.00	mg/kg	-		4350.00	mg/kg	-
Antimony	UN	2.10	mg/kg	R	N	31.80	mg/kg	-	B	6.20	mg/kg	-	U	5.40	mg/kg	U	U	5.40	mg/kg	U
Arsenic		3.70	mg/kg	-		12.50	mg/kg	-		4.70	mg/kg	-		4.00	mg/kg	-		3.50	mg/kg	-
Barium	E	36.00	mg/kg	-		410.00	mg/kg	-		61.50	mg/kg	-	B	31.80	mg/kg	-	B	36.90	mg/kg	-
Beryllium	UN	0.01	mg/kg	UJ	B	0.92	mg/kg	-	B	0.67	mg/kg	U	B	0.53	mg/kg	U	B	0.59	mg/kg	U
Cadmium	BN	0.17	mg/kg	UJ		9.10	mg/kg	-		1.40	mg/kg	U	U	0.57	mg/kg	U	U	0.57	mg/kg	U
Calcium	E	174000.00	mg/kg	-		47400.00	mg/kg	-		202000.00	mg/kg	-		211000.00	mg/kg	-		198000.00	mg/kg	-
Chromium	N	6.20	mg/kg	J		8590.00	mg/kg	-	U	8.50	mg/kg	UJ	U	8.50	mg/kg	UJ	U	8.50	mg/kg	UJ
Cobalt	N	2.40	mg/kg	J		144.00	mg/kg	-	B	3.80	mg/kg	-	B	2.70	mg/kg	-	B	1.90	mg/kg	-
Copper	N	8.80	mg/kg	-		207.00	mg/kg	-		15.90	mg/kg	-		7.00	mg/kg	-		7.60	mg/kg	-
Iron	E	5220.00	mg/kg	-	E	252000.00	mg/kg	-		7550.00	mg/kg	-		5490.00	mg/kg	-		6020.00	mg/kg	-
Lead	N	6.60	mg/kg	J		2380.00	mg/kg	-		20.90	mg/kg	J	S	4.00	mg/kg	J		2.00	mg/kg	J
Magnesium	E	46000.00	mg/kg	-		4170.00	mg/kg	-		37200.00	mg/kg	-		47000.00	mg/kg	-		61700.00	mg/kg	-
Manganese	E	213.00	mg/kg	-	E	2920.00	mg/kg	-		352.00	mg/kg	-		277.00	mg/kg	-		250.00	mg/kg	-
Mercury	U	0.03	mg/kg	U	UN	0.10	mg/kg	UJ	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum																				
Nickel	N	5.00	mg/kg	J		106.00	mg/kg	-	B	7.30	mg/kg	-	U	3.80	mg/kg	U	U	3.80	mg/kg	U
Potassium		1270.00	mg/kg	-		5180.00	mg/kg	-		1520.00	mg/kg	-	B	762.00	mg/kg	-		1110.00	mg/kg	-
Selenium	BN	1.60	mg/kg	J	BWN	0.80	mg/kg	J	U	1.80	mg/kg	R	U	1.80	mg/kg	R	U	1.80	mg/kg	R
Silicon																				
Silver	U	0.17	mg/kg	-	B	3.10	mg/kg	-	U	7.50	mg/kg	U	U	7.50	mg/kg	U	U	7.50	mg/kg	U
Sodium	E	1050.00	mg/kg	-		1570.00	mg/kg	J		2020.00	mg/kg	-	B	831.00	mg/kg	-	B	521.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ	U	0.82	mg/kg	U	U	0.30	mg/kg	U	U	0.30	mg/kg	U	U	0.31	mg/kg	U
Vanadium	N	7.90	mg/kg	J	U	1.60	mg/kg	U	B	34.30	mg/kg	-	B	47.80	mg/kg	-	B	35.90	mg/kg	-
Zinc	EN	22.00	mg/kg	J		12100.00	mg/kg	-		188.00	mg/kg	-		23.70	mg/kg	-		15.50	mg/kg	-

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0052121

Appendix L.2 - Major Media
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Metals

Material:	STEEL COATINGS				CONCRETE CHIPS				CONCRETE CHIPS				STEEL COATINGS				STEEL COATINGS			
Depth:					0-.5"				0-.5"											
Process Area:	2				3				3				3				4			
Sample:	66-009A				66-014				66-015 DUP				66-016				66-020A			
etals	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Aluminum		3040.00	mg/kg	-		4370.00	mg/kg	-		4870.00	mg/kg	-		2540.00	mg/kg	-		2400.00	mg/kg	-
Antimony	N*	17.70	mg/kg	J	B	5.50	mg/kg	-	B	6.00	mg/kg	-		66.80	mg/kg	-	U	50.30	mg/kg	U
Arsenic	SN	21.80	mg/kg	J		4.30	mg/kg	-		4.30	mg/kg	-	N	9.00	mg/kg	-	B	1.70	mg/kg	-
Barium		3350.00	mg/kg	-		56.10	mg/kg	-		82.70	mg/kg	-		6290.00	mg/kg	-		1380.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	R	B	0.71	mg/kg	U	B	0.71	mg/kg	U		1.10	mg/kg	-	B	1.20	mg/kg	U
Cadmium	N	11.20	mg/kg	J	U	0.57	mg/kg	U	U	0.57	mg/kg	U		6.80	mg/kg	-	U	3.20	mg/kg	U
Calcium	E	4810.00	mg/kg	J		204000.00	mg/kg	-		202000.00	mg/kg	-	E	63900.00	mg/kg	J		38900.00	mg/kg	-
Chromium	EN	618.00	mg/kg	J	U	8.60	mg/kg	UJ	U	8.60	mg/kg	UJ	*	4640.00	mg/kg	-		2030.00	mg/kg	-
Cobalt	EN	69.00	mg/kg	J	B	2.80	mg/kg	-	B	2.90	mg/kg	-		117.00	mg/kg	-		217.00	mg/kg	-
Copper	N	373.00	mg/kg	J		12.40	mg/kg	-		15.60	mg/kg	-	*	290.00	mg/kg	-		116.00	mg/kg	-
Iron		238000.00	mg/kg	-		7220.00	mg/kg	-		7370.00	mg/kg	-	*	119000.00	mg/kg	-		57500.00	mg/kg	-
Lead		1680.00	mg/kg	-	S	21.70	mg/kg	J		18.80	mg/kg	J	N*	26100.00	mg/kg	J		29200.00	mg/kg	-
Magnesium		2170.00	mg/kg	-		59400.00	mg/kg	-		50600.00	mg/kg	-		2000.00	mg/kg	-	B	3010.00	mg/kg	-
Manganese	E	1070.00	mg/kg	J		273.00	mg/kg	-		306.00	mg/kg	-	*	649.00	mg/kg	J		256.00	mg/kg	-
Mercury	N	0.23	mg/kg	J	U	0.05	mg/kg	U	U	0.05	mg/kg	U	N	0.35	mg/kg	J		1.50	mg/kg	-
Molybdenum																				
Nickel	N	102.00	mg/kg	J	B	6.90	mg/kg	-	B	5.00	mg/kg	-	EN*	140.00	mg/kg	J	B	41.60	mg/kg	-
Potassium		595.00	mg/kg	-		1060.00	mg/kg	-		1340.00	mg/kg	-		2330.00	mg/kg	-	U	534.00	mg/kg	U
Selenium	BW	0.50	mg/kg	UJ	UW	0.37	mg/kg	R	U	1.80	mg/kg	R	U	3.10	mg/kg	U	UW	0.91	mg/kg	UJ
Silicon																				
Silver	U	0.19	mg/kg	U	U	7.50	mg/kg	U	U	7.50	mg/kg	U	N	5.30	mg/kg	J	U	7.50	mg/kg	U
Sodium		241.00	mg/kg	-		1200.00	mg/kg	-		1430.00	mg/kg	-		2980.00	mg/kg	J	B	184.00	mg/kg	-
Thallium	UW	0.32	mg/kg	UJ	U	0.31	mg/kg	U	U	0.31	mg/kg	U	U	0.83	mg/kg	U	UW	0.30	mg/kg	UJ
Vanadium	N	19.70	mg/kg	J	B	30.40	mg/kg	-	B	38.30	mg/kg	-	N*	13.20	mg/kg	J	U	24.70	mg/kg	U
Zinc	N	1780.00	mg/kg	J		61.20	mg/kg	-		65.30	mg/kg	-	E	16300.00	mg/kg	J		2210.00	mg/kg	-

003522

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 67 - Plant 1 Thorium Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	67-002A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5690.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ
Arsenic	*	5.40	mg/kg	-
Barium	*	62.80	mg/kg	-
Beryllium	B	0.25	mg/kg	-
Cadmium	U*	0.62	mg/kg	U
Calcium	*	201000.00	mg/kg	-
Chromium	*	11.00	mg/kg	-
Cobalt	B	4.20	mg/kg	U
Copper	N*	11.80	mg/kg	-
Iron	*	11000.00	mg/kg	-
Lead		4.60	mg/kg	-
Magnesium		42700.00	mg/kg	-
Manganese	N*	390.00	mg/kg	J
Mercury	U*	0.09	mg/kg	U
Molybdenum				
Nickel		10.90	mg/kg	U
Potassium	B	770.00	mg/kg	U
Selenium	U	0.62	mg/kg	U
Silicon				
Silver	U	0.82	mg/kg	U
Sodium	B	787.00	mg/kg	J
Thallium	U	0.82	mg/kg	U
Vanadium		11.20	mg/kg	-
Zinc	•	37.40	mg/kg	-

000523

000523

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 68 - Pilot Plant Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	68-003				68-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	E*	5730.00	mg/kg	J		3150.00	mg/kg	-
Antimony	U	51.20	mg/kg	U	N	173.00	mg/kg	J
Arsenic		6.30	mg/kg	-	N	199.00	mg/kg	-
Barium	B	57.80	mg/kg	-	B*	371.00	mg/kg	J
Beryllium	B	0.74	mg/kg	U	B	0.73	mg/kg	U
Cadmium	U*	3.30	mg/kg	U		68.00	mg/kg	-
Calcium	E	206000.00	mg/kg	J	E	37100.00	mg/kg	J
Chromium	U*	8.70	mg/kg	UJ		3880.00	mg/kg	-
Cobalt	U	8.70	mg/kg	U		155.00	mg/kg	-
Copper	UN*	10.10	mg/kg	UJ	*	180.00	mg/kg	J
Iron	*	9710.00	mg/kg	J		89400.00	mg/kg	-
Lead	*	24.10	mg/kg	J	*	27300.00	mg/kg	-
Magnesium		48000.00	mg/kg	-	B	6740.00	mg/kg	-
Manganese	N*	479.00	mg/kg	J		1160.00	mg/kg	-
Mercury	U	0.05	mg/kg	U		26.20	mg/kg	-
Molybdenum								
Nickel	U	38.40	mg/kg	U	BN*	38.00	mg/kg	-
Potassium	B	2460.00	mg/kg	U	B	1860.00	mg/kg	-
Selenium	UWN	0.37	mg/kg	R	UWN	3.60	mg/kg	R
Silicon								
Silver	U	7.60	mg/kg	U	U*	7.50	mg/kg	U
Sodium	B	672.00	mg/kg	U	B	960.00	mg/kg	-
Thallium	UW	0.31	mg/kg	UJ	UWN	3.00	mg/kg	R
Vanadium	B	54.50	mg/kg	-	UN	24.70	mg/kg	R
Zinc	N*	85.70	mg/kg	J		75300.00	mg/kg	-

42500

Appendix L.2 - Major Media
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS				ACID BRICK			
Depth:	0-.5"				.5-1"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	69-003				69-004				69-006				69-007A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		5180.00	mg/kg	-		4630.00	mg/kg	-		4640.00	mg/kg	-		264.00	mg/kg	-
Antimony	U	9.40	mg/kg	UJ	U	9.40	mg/kg	UJ	UN	9.40	mg/kg	UJ	U	9.50	mg/kg	UJ
Arsenic		3.40	mg/kg	-	S	6.60	mg/kg	-		4.10	mg/kg	-	B	1.70	mg/kg	-
Barium		63.40	mg/kg	-		41.30	mg/kg	-		63.50	mg/kg	-	B	18.80	mg/kg	-
Beryllium	B	0.58	mg/kg	-	B	0.24	mg/kg	-	B	0.77	mg/kg	-	U	0.21	mg/kg	U
Cadmium		8.10	mg/kg	-		1.10	mg/kg	-		1.20	mg/kg	U	U	0.62	mg/kg	U
Calcium		175000.00	mg/kg	-		174000.00	mg/kg	-		157000.00	mg/kg	-	B	433.00	mg/kg	-
Chromium		24.30	mg/kg	-		17.20	mg/kg	-		28.10	mg/kg	-		20.00	mg/kg	-
Cobalt	B	3.30	mg/kg	-	B	1.70	mg/kg	-	B	3.80	mg/kg	-	U	1.70	mg/kg	U
Copper		141.00	mg/kg	-		27.60	mg/kg	-		142.00	mg/kg	-		40.00	mg/kg	-
Iron		8700.00	mg/kg	-		6650.00	mg/kg	-	E	8350.00	mg/kg	J		3260.00	mg/kg	-
Lead	*	203.00	mg/kg	-		28.20	mg/kg	-		262.00	mg/kg	J	*	78.00	mg/kg	-
Magnesium		49300.00	mg/kg	-		52300.00	mg/kg	-		43800.00	mg/kg	-	B	127.00	mg/kg	-
Manganese		265.00	mg/kg	-		233.00	mg/kg	-	E	256.00	mg/kg	J		9.50	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U		1.20	mg/kg	-	U	0.09	mg/kg	U
Molybdenum																
Nickel		87.80	mg/kg	-		20.20	mg/kg	-		48.40	mg/kg	-	B	8.00	mg/kg	U
Potassium		1830.00	mg/kg	-		1160.00	mg/kg	-	B	895.00	mg/kg	-	B	174.00	mg/kg	-
Selenium	U	0.61	mg/kg	U	U	0.61	mg/kg	U	U	0.61	mg/kg	U	U	0.62	mg/kg	U
Silicon																
Silver		3.40	mg/kg	-	U	0.82	mg/kg	U		84.70	mg/kg	-	U	0.83	mg/kg	U
Sodium		3090.00	mg/kg	J		1700.00	mg/kg	J		4170.00	mg/kg	J		1320.00	mg/kg	J
Thallium	U	0.81	mg/kg	U	U	0.82	mg/kg	U	U	0.82	mg/kg	U	U	0.82	mg/kg	U
Vanadium	B	7.80	mg/kg	-	B	9.50	mg/kg	-	B	4.30	mg/kg	U	U	0.83	mg/kg	U
Zinc		660.00	mg/kg	-		104.00	mg/kg	-	*	158.00	mg/kg	-		32.30	mg/kg	-

00525

8212

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 71 - General In-Process Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				MASONRY CHIPS				CONCRETE CHIPS				MASONRY CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	1				1				2				2			
Sample:	71-001				71-003				71-004				71-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		6010.00	mg/kg	-		4790.00	mg/kg	-		5900.00	mg/kg	-		4970.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ	UN	9.40	mg/kg	UJ	UN	9.50	mg/kg	UJ	UN	9.30	mg/kg	UJ
Arsenic	*	4.10	mg/kg	-	*	33.80	mg/kg	-	S*	4.50	mg/kg	-	S*	2.70	mg/kg	-
Barium	*	59.70	mg/kg	-	B*	32.70	mg/kg	-	*	53.50	mg/kg	-	B*	35.10	mg/kg	-
Beryllium		1.40	mg/kg	-	B	0.21	mg/kg	-	B	0.30	mg/kg	-	U	0.20	mg/kg	U
Cadmium	U*	0.62	mg/kg	U	U*	0.61	mg/kg	U	U*	0.62	mg/kg	U	U*	0.61	mg/kg	U
Calcium	*	202000.00	mg/kg	-	*	173000.00	mg/kg	-	*	191000.00	mg/kg	-	*	158000.00	mg/kg	-
Chromium	U*	0.83	mg/kg	U	*	9.50	mg/kg	-	*	8.50	mg/kg	-	*	10.00	mg/kg	-
Cobalt	B	4.10	mg/kg	U	B	3.20	mg/kg	U	B	3.30	mg/kg	U	B	6.70	mg/kg	U
Copper	N*	36.10	mg/kg	-	N*	12.40	mg/kg	-	N*	9.30	mg/kg	-	N*	8.40	mg/kg	-
Iron	*	9010.00	mg/kg	-	*	7650.00	mg/kg	-	*	7230.00	mg/kg	-	*	7000.00	mg/kg	-
Lead		32.90	mg/kg	-		2.80	mg/kg	-		3.70	mg/kg	-		24.60	mg/kg	-
Magnesium		43700.00	mg/kg	-		41300.00	mg/kg	-		37700.00	mg/kg	-		35600.00	mg/kg	-
Manganese	N*	294.00	mg/kg	J	N*	332.00	mg/kg	J	N*	304.00	mg/kg	J	N*	345.00	mg/kg	J
Mercury	U*	0.10	mg/kg	U	U*	0.09	mg/kg	U	U*	0.10	mg/kg	U	*	0.12	mg/kg	-
Molybdenum																
Nickel		13.10	mg/kg	U		8.30	mg/kg	U	B	7.70	mg/kg	U		8.90	mg/kg	U
Potassium		1090.00	mg/kg	-		2160.00	mg/kg	-		3090.00	mg/kg	-		1990.00	mg/kg	-
Selenium	U	0.62	mg/kg	U	U	0.61	mg/kg	U	U	0.62	mg/kg	U	U	0.61	mg/kg	U
Silicon																
Silver		12.20	mg/kg	-	U	0.82	mg/kg	U	U	0.82	mg/kg	U	U	0.81	mg/kg	U
Sodium		1580.00	mg/kg	J	B	1010.00	mg/kg	J		2980.00	mg/kg	J	B	1000.00	mg/kg	J
Thallium	U	0.83	mg/kg	U	U	0.81	mg/kg	U	UW	0.82	mg/kg	UJ	U	0.81	mg/kg	U
Vanadium	U	0.83	mg/kg	U		11.70	mg/kg	-		10.30	mg/kg	-		11.70	mg/kg	-
Zinc	*	60.40	mg/kg	-	*	492.00	mg/kg	-	*	90.70	mg/kg	-	*	44.90	mg/kg	-

0025000

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 72 - Drum Storage Building
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	72-003A				72-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		6980.00	mg/kg	-		42300.00	mg/kg	J
Antimony	UN	9.50	mg/kg	UJ	UN	9.50	mg/kg	R
Arsenic	S	4.50	mg/kg	-	SN	27.90	mg/kg	J
Barium		54.90	mg/kg	-		326.00	mg/kg	-
Beryllium	B	0.25	mg/kg	-	B	0.68	mg/kg	-
Cadmium		2.80	mg/kg	U	N	41.60	mg/kg	J
Calcium	E	198000.00	mg/kg	J		31500.00	mg/kg	-
Chromium	EN*	10.70	mg/kg	J		158.00	mg/kg	-
Cobalt	B	4.50	mg/kg	-		80.40	mg/kg	-
Copper	N*	24.20	mg/kg	J	N*	155.00	mg/kg	-
Iron		9330.00	mg/kg	-	•	173000.00	mg/kg	-
Lead		18.40	mg/kg	-		138000.00	mg/kg	-
Magnesium		35100.00	mg/kg	-		4590.00	mg/kg	-
Manganese	E	322.00	mg/kg	J		907.00	mg/kg	-
Mercury	U	0.10	mg/kg	U		0.22	mg/kg	-
Molybdenum								
Nickel	BN*	8.10	mg/kg	J		117.00	mg/kg	-
Potassium		2610.00	mg/kg	-		2410.00	mg/kg	-
Selenium	UWN	3.10	mg/kg	UJ	UEN	3.10	mg/kg	UJ
Silicon								
Silver	U	0.82	mg/kg	U		6.40	mg/kg	-
Sodium		1370.00	mg/kg	J		4370.00	mg/kg	J
Thallium	U	0.82	mg/kg	U	U	0.83	mg/kg	U
Vanadium		13.80	mg/kg	-	U	0.83	mg/kg	U
Zinc	E	90.30	mg/kg	J		1250.00	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74A-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		3780.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R
Arsenic		3.70	mg/kg	-
Barium	N	111.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	BN	0.19	mg/kg	UJ
Calcium		152000.00	mg/kg	-
Chromium	N	6.40	mg/kg	J
Cobalt	N	2.40	mg/kg	J
Copper		16.00	mg/kg	-
Iron	E	4930.00	mg/kg	J
Lead	EN*	5.50	mg/kg	J
Magnesium	E	42500.00	mg/kg	J
Manganese	E	159.00	mg/kg	J
Mercury	N	0.10	mg/kg	J
Molybdenum				
Nickel	N	4.50	mg/kg	J
Potassium	E	1240.00	mg/kg	J
Selenium	UWN	0.21	mg/kg	UJ
Silicon				
Silver	U	0.19	mg/kg	U
Sodium		721.00	mg/kg	-
Thallium	UWN	0.31	mg/kg	UJ
Vanadium	EN	8.10	mg/kg	J
Zinc	E*	53.70	mg/kg	J

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74B - Plant 2 West Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74B-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4910.00	mg/kg	-
Antimony	UN	2.30	mg/kg	R
Arsenic	S	5.40	mg/kg	-
Barium	N	68.40	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	N	1.10	mg/kg	J
Calcium		172000.00	mg/kg	-
Chromium	N	7.30	mg/kg	J
Cobalt	N	3.00	mg/kg	J
Copper		7.30	mg/kg	-
Iron	E	5510.00	mg/kg	J
Lead	WN	4.90	mg/kg	J
Magnesium	E	35200.00	mg/kg	J
Manganese	E	228.00	mg/kg	J
Mercury	UN	0.02	mg/kg	R
Molybdenum				
Nickel	N	6.20	mg/kg	J
Potassium	E	785.00	mg/kg	J
Selenium	UN	0.96	mg/kg	U
Silicon				
Silver	U	0.19	mg/kg	U
Sodium		477.00	mg/kg	-
Thallium	UWN	0.28	mg/kg	UJ
Vanadium	EN	9.60	mg/kg	J
Zinc	E*	889.00	mg/kg	J

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74C-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5740.00	mg/kg	-
Antimony	UN	2.20	mg/kg	R
Arsenic		6.00	mg/kg	-
Barium	N	62.70	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	N	0.41	mg/kg	UJ
Calcium	U	182000.00	mg/kg	-
Chromium	N	7.90	mg/kg	J
Cobalt	N	3.80	mg/kg	J
Copper		153.00	mg/kg	-
Iron	E	6550.00	mg/kg	J
Lead	EN*	7.00	mg/kg	J
Magnesium	E	29700.00	mg/kg	J
Manganese	E	263.00	mg/kg	J
Mercury	UN	0.03	mg/kg	R
Molybdenum				
Nickel	N	8.90	mg/kg	J
Potassium	E	1920.00	mg/kg	J
Selenium	UWN	0.20	mg/kg	UJ
Silicon				
Silver	U	0.18	mg/kg	U
Sodium		1010.00	mg/kg	-
Thallium	UWN	0.30	mg/kg	UJ
Vanadium	EN	10.50	mg/kg	J
Zinc	E*	31.20	mg/kg	J

005530

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74D-002A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4590.00	mg/kg	-
Antimony	U	5.70	mg/kg	U
Arsenic	N	5.10	mg/kg	-
Barium		109.00	mg/kg	-
Beryllium	B	0.41	mg/kg	U
Cadmium	*	3.10	mg/kg	J
Calcium		180000.00	mg/kg	-
Chromium		26.50	mg/kg	-
Cobalt	B	4.90	mg/kg	-
Copper		266.00	mg/kg	-
Iron		17500.00	mg/kg	-
Lead		49.30	mg/kg	-
Magnesium		51600.00	mg/kg	-
Manganese		334.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel		44.90	mg/kg	-
Potassium	U	682.00	mg/kg	U
Selenium	UWN	0.39	mg/kg	UJ
Silicon				
Silver	U	0.73	mg/kg	U
Sodium	B	554.00	mg/kg	-
Thallium	U	0.15	mg/kg	U
Vanadium		12.50	mg/kg	-
Zinc	N	277.00	mg/kg	J

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74E - Plant 4 Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74E-002				74E-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4410.00	mg/kg	-		1490.00	mg/kg	U
Antimony	U	5.40	mg/kg	U	B	7.20	mg/kg	U
Arsenic		3.20	mg/kg	-		2.30	mg/kg	-
Barium	B	40.40	mg/kg	-	B	35.70	mg/kg	-
Beryllium	B	0.58	mg/kg	-	B	0.35	mg/kg	U
Cadmium	U	0.57	mg/kg	U	U	0.56	mg/kg	U
Calcium		175000.00	mg/kg	J		200000.00	mg/kg	J
Chromium		7.30	mg/kg	J		3.40	mg/kg	J
Cobalt	B	3.10	mg/kg	-	B	1.90	mg/kg	-
Copper		5.80	mg/kg	J	B	2.70	mg/kg	J
Iron		7350.00	mg/kg	J		5090.00	mg/kg	J
Lead		3.40	mg/kg	-		4.30	mg/kg	-
Magnesium		40200.00	mg/kg	-		44800.00	mg/kg	-
Manganese		335.00	mg/kg	J		446.00	mg/kg	J
Mercury	U	0.05	mg/kg	U	B	0.08	mg/kg	U
Molybdenum								
Nickel	B	7.30	mg/kg	-	B	6.70	mg/kg	-
Potassium	U	647.00	mg/kg	U	U	636.00	mg/kg	U
Selenium	U	3.70	mg/kg	U	UW	3.60	mg/kg	UJ
Silicon								
Silver	U	0.70	mg/kg	U	U	0.68	mg/kg	U
Sodium	B	820.00	mg/kg	-	B	294.00	mg/kg	-
Thallium	U	0.14	mg/kg	U	U	0.14	mg/kg	U
Vanadium	B	8.40	mg/kg	-	B	7.40	mg/kg	-
Zinc		21.90	mg/kg	J		23.10	mg/kg	J

0005232

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74F - Plant 7 Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74F-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5850.00	mg/kg	-
Antimony	UN	9.90	mg/kg	UJ
Arsenic		5.70	mg/kg	-
Barium		63.00	mg/kg	-
Beryllium	B	0.28	mg/kg	-
Cadmium	U	0.65	mg/kg	U
Calcium		196000.00	mg/kg	-
Chromium		11.20	mg/kg	-
Cobalt	B	2.10	mg/kg	-
Copper		9.50	mg/kg	-
Iron	E	6150.00	mg/kg	J
Lead	N*	7.70	mg/kg	J
Magnesium		50200.00	mg/kg	-
Manganese	E	262.00	mg/kg	J
Mercury	U	0.10	mg/kg	U
Molybdenum				
Nickel		12.50	mg/kg	-
Potassium	B	765.00	mg/kg	-
Selenium	U	0.64	mg/kg	U
Silicon				
Silver	U	0.86	mg/kg	U
Sodium	B	613.00	mg/kg	J
Thallium	U	0.85	mg/kg	U
Vanadium	B	10.60	mg/kg	-
Zinc	*	26.00	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74G-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5400.00	mg/kg	-
Antimony	UN	9.30	mg/kg	UJ
Arsenic	*	7.00	mg/kg	-
Barium	*	54.00	mg/kg	-
Beryllium	B	0.31	mg/kg	-
Cadmium	B*	0.80	mg/kg	-
Calcium	*	199000.00	mg/kg	-
Chromium	*	10.20	mg/kg	-
Cobalt	B	3.20	mg/kg	U
Copper	N*	8.80	mg/kg	-
Iron	*	8100.00	mg/kg	-
Lead		4.20	mg/kg	-
Magnesium		40800.00	mg/kg	-
Manganese	N*	347.00	mg/kg	J
Mercury	U*	0.10	mg/kg	U
Molybdenum				
Nickel		9.30	mg/kg	U
Potassium	B	954.00	mg/kg	-
Selenium	U	0.61	mg/kg	U
Silicon				
Silver	U	0.81	mg/kg	U
Sodium	B	962.00	mg/kg	J
Thallium	U	0.81	mg/kg	U
Vanadium	B	9.10	mg/kg	-
Zinc	*	411.00	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74H - Plant 5 South Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74H-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5970.00	mg/kg	-
Antimony	U	5.40	mg/kg	U
Arsenic	N	3.30	mg/kg	-
Barium		53.80	mg/kg	-
Beryllium	B	0.60	mg/kg	-
Cadmium	U*	0.57	mg/kg	UJ
Calcium		198000.00	mg/kg	-
Chromium		9.30	mg/kg	-
Cobalt	B	2.60	mg/kg	-
Copper		5.20	mg/kg	-
Iron		6950.00	mg/kg	-
Lead		3.50	mg/kg	-
Magnesium		39800.00	mg/kg	-
Manganese		258.00	mg/kg	-
Mercury	B	0.07	mg/kg	U
Molybdenum				
Nickel	B	7.10	mg/kg	-
Potassium		1030.00	mg/kg	-
Selenium	UN	3.70	mg/kg	U
Silicon				
Silver	U	0.70	mg/kg	U
Sodium	B	438.00	mg/kg	-
Thallium	U	0.14	mg/kg	U
Vanadium	B	6.90	mg/kg	-
Zinc	N	42.60	mg/kg	J

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74J - Plant 6 Pads
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74J-002A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	*	4130.00	mg/kg	-
Antimony	U	9.50	mg/kg	U
Arsenic	NS	3.10	mg/kg	J
Barium		48.60	mg/kg	-
Beryllium	B	0.21	mg/kg	-
Cadmium	UN*	1.00	mg/kg	UJ
Calcium		160000.00	mg/kg	-
Chromium		14.80	mg/kg	-
Cobalt	B	2.50	mg/kg	U
Copper		7.40	mg/kg	-
Iron		4980.00	mg/kg	-
Lead	S*	79.50	mg/kg	-
Magnesium		45900.00	mg/kg	-
Manganese	N*	281.00	mg/kg	J
Mercury	UN	0.05	mg/kg	U
Molybdenum				
Nickel	B	3.40	mg/kg	-
Potassium		1120.00	mg/kg	-
Selenium	UWN	4.10	mg/kg	R
Silicon				
Silver	UN	1.50	mg/kg	U
Sodium	B	814.00	mg/kg	-
Thallium	UNW	0.41	mg/kg	UJ
Vanadium	B	8.40	mg/kg	-
Zinc	*N	32.40	mg/kg	J

000236

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74K - Plant 9 Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74K-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		6030.00	mg/kg	-
Antimony	U	1.10	mg/kg	U
Arsenic	B	6.30	mg/kg	-
Barium		71.90	mg/kg	-
Beryllium	U	0.84	mg/kg	U
Cadmium	U	0.42	mg/kg	U
Calcium		182000.00	mg/kg	-
Chromium		12.90	mg/kg	-
Cobalt	B	3.70	mg/kg	-
Copper	N	24.80	mg/kg	-
Iron	*	8130.00	mg/kg	-
Lead		7.70	mg/kg	-
Magnesium		39400.00	mg/kg	-
Manganese		435.00	mg/kg	-
Mercury	U	0.05	mg/kg	U
Molybdenum				
Nickel		12.30	mg/kg	U
Potassium	B	839.00	mg/kg	-
Selenium	UNW	2.10	mg/kg	UJ
Silicon				
Silver	UNW	0.42	mg/kg	UJ
Sodium	B	239.00	mg/kg	U
Thallium	BN	0.85	mg/kg	U
Vanadium		21.90	mg/kg	-
Zinc	*	73.20	mg/kg	-

2172

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74L - Building 65 West Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74L-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5260.00	mg/kg	-
Antimony	UN	1.00	mg/kg	UJ
Arsenic	NS	4.60	mg/kg	UJ
Barium		59.10	mg/kg	-
Beryllium		2.20	mg/kg	-
Cadmium		1.40	mg/kg	-
Calcium	*	216000.00	mg/kg	-
Chromium	N*	19.70	mg/kg	J
Cobalt		12.30	mg/kg	U
Copper	N*	25.20	mg/kg	J
Iron		6340.00	mg/kg	-
Lead	NS*	14.00	mg/kg	J
Magnesium	*	59500.00	mg/kg	-
Manganese	*	311.00	mg/kg	-
Mercury	U*	0.05	mg/kg	U
Molybdenum				
Nickel	EN	29.00	mg/kg	J
Potassium	B	922.00	mg/kg	-
Selenium	UNW	2.10	mg/kg	U
Silicon				
Silver	UN*	0.21	mg/kg	UJ
Sodium	B	449.00	mg/kg	U
Thallium	UW	0.21	mg/kg	UJ
Vanadium		24.50	mg/kg	U
Zinc	N*	29.40	mg/kg	J

000538

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74M - Building 64 East Pad & R.R. Dock
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74M-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	E	4930.00	mg/kg	J
Antimony	U	9.40	mg/kg	U
Arsenic		3.50	mg/kg	-
Barium		49.90	mg/kg	-
Beryllium	B	0.39	mg/kg	-
Cadmium	UN	1.00	mg/kg	UJ
Calcium	E	172000.00	mg/kg	J
Chromium		7.60	mg/kg	-
Cobalt	B	4.30	mg/kg	U
Copper		12.00	mg/kg	-
Iron	E	7390.00	mg/kg	J
Lead	•	7.80	mg/kg	-
Magnesium	E	43300.00	mg/kg	J
Manganese	E	322.00	mg/kg	J
Mercury	U	0.04	mg/kg	U
Molybdenum				
Nickel	B	6.50	mg/kg	U
Potassium	B	530.00	mg/kg	-
Selenium	UN	4.10	mg/kg	R
Silicon				
Silver	U	1.40	mg/kg	U
Sodium	B	389.00	mg/kg	-
Thallium	UNW	0.41	mg/kg	UJ
Vanadium		10.40	mg/kg	-
Zinc		26.10	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74N-003

	LQ	RESULT	UNITS	VQ
etals				
Aluminum	*	4190.00	mg/kg	-
Antimony	U	9.60	mg/kg	U
Arsenic	BNW	1.10	mg/kg	J
Barium		48.60	mg/kg	-
Beryllium	B	0.23	mg/kg	-
Cadmium	UN*	1.00	mg/kg	UJ
Calcium		190000.00	mg/kg	-
Chromium		8.60	mg/kg	-
Cobalt	B	3.20	mg/kg	U
Copper		10.40	mg/kg	-
Iron		6370.00	mg/kg	-
Lead	S*	13.50	mg/kg	-
Magnesium		37400.00	mg/kg	-
Manganese	N*	286.00	mg/kg	J
Mercury	UN	0.05	mg/kg	U
Molybdenum				
Nickel	B	7.00	mg/kg	-
Potassium	B	946.00	mg/kg	-
Selenium	UWN	4.20	mg/kg	R
Silicon				
Silver	UN	1.50	mg/kg	U
Sodium	B	557.00	mg/kg	-
Thallium	BNW	0.50	mg/kg	J
Vanadium	B	9.50	mg/kg	-
Zinc	*N	34.70	mg/kg	UJ

003740

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74P - Decontamination Pad
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				ASPHALT			
Depth:	0-.5"				.5-1"				1-4"				0-.5"				0-.5"			
Process Area:	1				1				1				1				1			
Sample:	74P-003				74P-004				74P-005				74P-006 DUP				74P-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6120.00	mg/kg	-		5610.00	mg/kg	-		5390.00	mg/kg	-		5990.00	mg/kg	-	•	1250.00	mg/kg	J
Antimony	UN	9.70	mg/kg	UJ	UN	9.70	mg/kg	UJ	UN	9.70	mg/kg	UJ	UN	9.70	mg/kg	UJ	U	9.20	mg/kg	UJ
Arsenic		4.40	mg/kg	-		2.90	mg/kg	-		3.30	mg/kg	-		2.30	mg/kg	-	•	5.20	mg/kg	-
Barium		59.70	mg/kg	-		57.30	mg/kg	-		55.50	mg/kg	-		61.80	mg/kg	-	B	13.70	mg/kg	-
Beryllium	B	0.35	mg/kg	-	B	0.28	mg/kg	-	B	0.23	mg/kg	-	B	0.28	mg/kg	-	U	0.20	mg/kg	U
Cadmium	B	1.00	mg/kg	U	B	0.74	mg/kg	U	B	0.93	mg/kg	U	B	0.90	mg/kg	U	U	0.60	mg/kg	U
Calcium		213000.00	mg/kg	-		209000.00	mg/kg	-		202000.00	mg/kg	-		190000.00	mg/kg	-	•	130000.00	mg/kg	-
Chromium		7.90	mg/kg	-		8.40	mg/kg	-		7.80	mg/kg	-		7.00	mg/kg	-	*	3.60	mg/kg	-
Cobalt	B	2.70	mg/kg	-	B	2.40	mg/kg	-	B	2.60	mg/kg	-	B	2.50	mg/kg	-	U	1.60	mg/kg	U
Copper		11.30	mg/kg	-		7.80	mg/kg	-		7.20	mg/kg	-		12.50	mg/kg	-		8.40	mg/kg	-
Iron	E	8200.00	mg/kg	J	E	7500.00	mg/kg	J	E	7180.00	mg/kg	J	E	7850.00	mg/kg	J	E*	6150.00	mg/kg	J
Lead	N*	7.80	mg/kg	J	N*	2.20	mg/kg	J	N*	2.50	mg/kg	J	N*	6.30	mg/kg	J	N*	7.60	mg/kg	J
Magnesium		51300.00	mg/kg	-		55800.00	mg/kg	-		49100.00	mg/kg	-		45100.00	mg/kg	-		57300.00	mg/kg	-
Manganese	E	363.00	mg/kg	J	E	359.00	mg/kg	J	E	329.00	mg/kg	J	E	370.00	mg/kg	J	EN*	188.00	mg/kg	J
Mercury	U	0.11	mg/kg	U	U	0.09	mg/kg	U	U	0.09	mg/kg	U	U	0.09	mg/kg	U	UN	0.10	mg/kg	UJ
Molybdenum																				
Nickel		24.60	mg/kg	-	B	5.80	mg/kg	-	B	7.50	mg/kg	-		20.60	mg/kg	-	B	7.10	mg/kg	U
Potassium	B	939.00	mg/kg	-		1090.00	mg/kg	-		1240.00	mg/kg	-	B	872.00	mg/kg	-	B	211.00	mg/kg	-
Selenium	UW	0.63	mg/kg	UJ	U	0.63	mg/kg	U	U	0.64	mg/kg	U	UW	0.63	mg/kg	UJ	UWN	0.60	mg/kg	UJ
Silicon																				
Silver	U	0.85	mg/kg	U	U	0.84	mg/kg	U	U	0.84	mg/kg	U	U	0.84	mg/kg	U	U	0.80	mg/kg	U
Sodium	B	670.00	mg/kg	UJ	B	796.00	mg/kg	J	B	783.00	mg/kg	J	B	687.00	mg/kg	J	B	480.00	mg/kg	J
Thallium	U	0.84	mg/kg	U	U	0.84	mg/kg	U	U	0.85	mg/kg	U	U	0.84	mg/kg	U	U	0.80	mg/kg	U
Vanadium		11.80	mg/kg	-		11.20	mg/kg	-		10.90	mg/kg	-		10.80	mg/kg	-	B	6.10	mg/kg	-
Zinc	•	29.00	mg/kg	-	•	19.20	mg/kg	-	*	19.30	mg/kg	-	•	27.80	mg/kg	-	E*	33.20	mg/kg	J

000541

2212

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS				ACID BRICK				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1			
Sample:	74Q-002				74Q-003				74Q-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals												
Aluminum		4040.00	mg/kg	-		633.00	mg/kg	-		4450.00	mg/kg	-
Antimony	UN	54.60	mg/kg	UJ	UN	5.50	mg/kg	UJ	UN	56.60	mg/kg	UJ
Arsenic	SN	3.70	mg/kg	J	BN	0.94	mg/kg	J	N	4.40	mg/kg	J
Barium	B	50.80	mg/kg	-	B	8.90	mg/kg	-	B	44.20	mg/kg	-
Beryllium	B	1.20	mg/kg	U	B	0.12	mg/kg	U	B	1.40	mg/kg	U
Cadmium	U	5.80	mg/kg	U	U	0.58	mg/kg	U	U	6.00	mg/kg	U
Calcium		182000.00	mg/kg	-	B	911.00	mg/kg	-		195000.00	mg/kg	-
Chromium	B	8.70	mg/kg	-		3.60	mg/kg	-	B	6.20	mg/kg	-
Cobalt	U	6.60	mg/kg	U	U	0.66	mg/kg	U	U	6.80	mg/kg	U
Copper	B	25.70	mg/kg	U		5.60	mg/kg	-	B	30.10	mg/kg	U
Iron	*	7100.00	mg/kg	-	*	1370.00	mg/kg	-	*	9220.00	mg/kg	-
Lead	SN	6.00	mg/kg	J	N	6.70	mg/kg	J	N	3.00	mg/kg	J
Magnesium		52000.00	mg/kg	-	B	133.00	mg/kg	-		46600.00	mg/kg	-
Manganese		367.00	mg/kg	-		8.20	mg/kg	-		377.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum												
Nickel	U	24.90	mg/kg	U	U	2.50	mg/kg	U	U	25.90	mg/kg	U
Potassium	U	6540.00	mg/kg	U	U	657.00	mg/kg	U	U	6770.00	mg/kg	U
Selenium	UN	0.14	mg/kg	UJ	UN	0.15	mg/kg	UJ	UN	0.15	mg/kg	UJ
Silicon												
Silver	U	7.00	mg/kg	U	B	1.60	mg/kg	-	U	7.30	mg/kg	U
Sodium	B	563.00	mg/kg	U	B	157.00	mg/kg	-	B	432.00	mg/kg	U
Thallium	UWN	0.31	mg/kg	UJ	UN	0.31	mg/kg	UJ	UWN	0.32	mg/kg	UJ
Vanadium	B	29.10	mg/kg	U	B	2.60	mg/kg	U	B	31.30	mg/kg	U
Zinc	B*	27.80	mg/kg	U	B*	1.90	mg/kg	U	*	27.20	mg/kg	U

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-6"			
Process Area:	1				1				1			
Sample:	74R-003				74R-004				74R-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		5320.00	mg/kg	J		6250.00	mg/kg	J		6420.00	mg/kg	J
Antimony	U	7.40	mg/kg	U	U	7.40	mg/kg	U	U	7.50	mg/kg	U
Arsenic	+N*	4.60	mg/kg	J	N*	2.00	mg/kg	UJ	UN*	2.10	mg/kg	UJ
Barium		76.50	mg/kg	-		70.20	mg/kg	-		68.40	mg/kg	-
Beryllium	U	0.21	mg/kg	U	U	0.20	mg/kg	U	U	0.21	mg/kg	U
Cadmium		1.90	mg/kg	-	B	0.95	mg/kg	-	U	0.63	mg/kg	U
Calcium		193000.00	mg/kg	-		196000.00	mg/kg	-		194000.00	mg/kg	-
Chromium	EN*	9.30	mg/kg	J	EN*	10.00	mg/kg	J	EN*	10.80	mg/kg	J
Cobalt	B	2.20	mg/kg	-	B	2.60	mg/kg	-	B	2.30	mg/kg	-
Copper	N*	22.00	mg/kg	J	N*	13.90	mg/kg	J	N*	8.10	mg/kg	J
Iron		7780.00	mg/kg	J		8870.00	mg/kg	J		8490.00	mg/kg	J
Lead	•	19.80	mg/kg	J	•	5.80	mg/kg	J	•	17.30	mg/kg	J
Magnesium	*	50800.00	mg/kg	J	•	51400.00	mg/kg	J	•	53100.00	mg/kg	J
Manganese		449.00	mg/kg	-		417.00	mg/kg	-		344.00	mg/kg	-
Mercury	U	0.10	mg/kg	U	U	0.10	mg/kg	U	U	0.10	mg/kg	U
Molybdenum												
Nickel	N	11.10	mg/kg	J	BN	8.20	mg/kg	J	N	10.80	mg/kg	J
Potassium		1070.00	mg/kg	-		1080.00	mg/kg	-		1080.00	mg/kg	-
Selenium	UW	0.42	mg/kg	UJ	UW	0.41	mg/kg	UJ	UW	0.41	mg/kg	UJ
Silicon												
Silver		4.10	mg/kg	-		2.40	mg/kg	-	B	1.30	mg/kg	-
Sodium	B	1030.00	mg/kg	J	B	1000.00	mg/kg	J	B	791.00	mg/kg	J
Thallium	U	0.62	mg/kg	U	U	0.61	mg/kg	U	U	0.62	mg/kg	U
Vanadium		12.90	mg/kg	-		15.30	mg/kg	-		16.20	mg/kg	-
Zinc	N*	72.40	mg/kg	J	N*	42.10	mg/kg	J	N*	17.70	mg/kg	J

00343

W1 2 2 89

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74S-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5010.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ
Arsenic		24.00	mg/kg	-
Barium	B	26.80	mg/kg	-
Beryllium	U	0.21	mg/kg	U
Cadmium	U	0.62	mg/kg	U
Calcium		186000.00	mg/kg	-
Chromium		21.60	mg/kg	-
Cobalt	B	3.70	mg/kg	-
Copper		13.40	mg/kg	-
Iron	E	7390.00	mg/kg	J
Lead	S*	17.80	mg/kg	-
Magnesium		38200.00	mg/kg	-
Manganese	E	221.00	mg/kg	J
Mercury	UN	0.10	mg/kg	U
Molybdenum				
Nickel		13.90	mg/kg	-
Potassium	B	888.00	mg/kg	U
Selenium	UN	0.62	mg/kg	U
Silicon				
Silver	U	0.82	mg/kg	U
Sodium	B	961.00	mg/kg	J
Thallium	U	0.83	mg/kg	U
Vanadium		14.30	mg/kg	-
Zinc		43.30	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	74T-002A				74T-003A(TCLP)				74T-009A				74T-010A DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		3030.00	mg/kg	-	N	1.3500	mg/L	R		5690.00	mg/kg	-		5300.00	mg/kg	-
Antimony	UN	2.10	mg/kg	UJ	UN	0.0250	mg/L	UJ	UN	2.50	mg/kg	UJ	UN	2.50	mg/kg	UJ
Arsenic	N	2.00	mg/kg	J	UW	0.0030	mg/L	UJ	BN	1.50	mg/kg	J	N	3.80	mg/kg	J
Barium		33.20	mg/kg	-	EN	0.5590	mg/L	R		47.90	mg/kg	-		44.20	mg/kg	-
Beryllium	UN	0.02	mg/kg	UJ		0.0086	mg/L	R	UN	0.02	mg/kg	UJ	UN	0.02	mg/kg	UJ
Cadmium	N	0.28	mg/kg	UJ	B	0.0027	mg/L	R	N	0.38	mg/kg	UJ	N	0.53	mg/kg	UJ
Calcium	E	152000.00	mg/kg	J		2920.0000	mg/L	R	E	170000.00	mg/kg	J	E	168000.00	mg/kg	J
Chromium	E	5.10	mg/kg	J	U	0.0050	mg/L	U	E	10.00	mg/kg	J	E	9.60	mg/kg	J
Cobalt	E	2.30	mg/kg	J	B	0.0249	mg/L	U	E	4.40	mg/kg	J	E	4.00	mg/kg	J
Copper		6.50	mg/kg	-	U	0.0050	mg/L	U		12.00	mg/kg	-		9.00	mg/kg	-
Iron		4490.00	mg/kg	-		0.1620	mg/L	R		8200.00	mg/kg	-		7020.00	mg/kg	-
Lead	E	59.20	mg/kg	J	U	0.0010	mg/L	U	W*	6.70	mg/kg	J	W*	7.10	mg/kg	J
Magnesium		45300.00	mg/kg	-	E	126.0000	mg/L	R		32300.00	mg/kg	-		35700.00	mg/kg	-
Manganese	E	208.00	mg/kg	J	E	3.4700	mg/L	R	E	379.00	mg/kg	J	E	330.00	mg/kg	J
Mercury	UN	0.01	mg/kg	R		0.0002	mg/L	U	UN	0.01	mg/kg	R	UN	0.01	mg/kg	R
Molybdenum					U	0.0210	mg/L	U								
Nickel	E	5.20	mg/kg	J		0.0805	mg/L	R	E	8.50	mg/kg	J	E	7.50	mg/kg	J
Potassium		658.00	mg/kg	-		18.4000	mg/L	R		1060.00	mg/kg	-		992.00	mg/kg	-
Selenium	UWN	2.10	mg/kg	R	UE	0.0150	mg/L	R	UWN	0.23	mg/kg	R	SN	6.10	mg/kg	R
Silicon						62.8000	mg/L	R								
Silver	U*	0.18	mg/kg	UJ	UW	0.0020	mg/L	U	U*	0.21	mg/kg	UJ	U*	0.21	mg/kg	UJ
Sodium		279.00	mg/kg	-	E	13.0000	mg/L	R		556.00	mg/kg	-		566.00	mg/kg	-
Thallium	UWN	0.27	mg/kg	UJ	UW	0.0010	mg/L	UJ	UN	0.30	mg/kg	UJ	UWN	0.30	mg/kg	UJ
Vanadium	N	7.30	mg/kg	J	U	0.0120	mg/L	U	N	13.30	mg/kg	J	N	12.10	mg/kg	J
Zinc		21.30	mg/kg	-	N	0.2210	mg/L	R		43.30	mg/kg	-		43.80	mg/kg	-

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Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74U-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		4040.00	mg/kg	-
Antimony	UN	2.50	mg/kg	R
Arsenic		5.20	mg/kg	-
Barium	N	45.00	mg/kg	J
Beryllium	UN	0.02	mg/kg	UJ
Cadmium	UN	0.10	mg/kg	UJ
Calcium		163000.00	mg/kg	-
Chromium	N	5.70	mg/kg	J
Cobalt	BN	2.40	mg/kg	J
Copper		5.40	mg/kg	-
Iron	E	4500.00	mg/kg	J
Lead	WN	3.60	mg/kg	J
Magnesium	E	44600.00	mg/kg	J
Manganese	E	243.00	mg/kg	J
Mercury	UN	0.03	mg/kg	R
Molybdenum				
Nickel	N	5.40	mg/kg	J
Potassium	E	644.00	mg/kg	J
Selenium	BWN	0.93	mg/kg	UJ
Silicon				
Silver	U	0.20	mg/kg	-
Sodium		473.00	mg/kg	-
Thallium	UWN	0.27	mg/kg	UJ
Vanadium	EN	8.30	mg/kg	J
Zinc	E*	13.50	mg/kg	J

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74V - Laboratory Pad
Analytical Results - Metals

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74V-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		5860.00	mg/kg	-
Antimony	UN	9.50	mg/kg	UJ
Arsenic		2.40	mg/kg	-
Barium	B	33.20	mg/kg	-
Beryllium	B	0.31	mg/kg	-
Cadmium	U	0.62	mg/kg	U
Calcium		200000.00	mg/kg	-
Chromium		10.90	mg/kg	-
Cobalt	B	1.90	mg/kg	-
Copper		11.30	mg/kg	-
Iron	E	7380.00	mg/kg	J
Lead	N*	7.40	mg/kg	J
Magnesium		43800.00	mg/kg	-
Manganese	E	336.00	mg/kg	J
Mercury	U	0.10	mg/kg	U
Molybdenum				
Nickel		12.30	mg/kg	-
Potassium	B	901.00	mg/kg	-
Selenium	UW	0.63	mg/kg	UJ
Silicon				
Silver	U	0.82	mg/kg	U
Sodium	B	636.00	mg/kg	J
Thallium	U	0.84	mg/kg	U
Vanadium		13.30	mg/kg	-
Zinc	*	27.50	mg/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Metals

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	74W-002				74W-003				74W-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		4950.00	mg/kg	-		4300.00	mg/kg	-		4490.00	mg/kg	-
Antimony		13.40	mg/kg	U	U	5.40	mg/kg	U	B	10.90	mg/kg	U
Arsenic	N	3.10	mg/kg	-	N	2.80	mg/kg	-	N	3.10	mg/kg	-
Barium		69.40	mg/kg	-		65.00	mg/kg	-		45.80	mg/kg	-
Beryllium	B	0.54	mg/kg	-	B	0.51	mg/kg	U	B	0.45	mg/kg	U
Cadmium	U*	0.57	mg/kg	UJ	U*	0.57	mg/kg	UJ	U*	0.58	mg/kg	UJ
Calcium		198000.00	mg/kg	-		203000.00	mg/kg	-		197000.00	mg/kg	-
Chromium		12.30	mg/kg	-		10.80	mg/kg	-		7.30	mg/kg	-
Cobalt		26.80	mg/kg	-		29.70	mg/kg	-		23.30	mg/kg	-
Copper		27.10	mg/kg	-		27.20	mg/kg	-	B	4.70	mg/kg	-
Iron		9950.00	mg/kg	-		9440.00	mg/kg	-		17200.00	mg/kg	-
Lead		27.50	mg/kg	-		21.50	mg/kg	-		2.50	mg/kg	-
Magnesium		47800.00	mg/kg	-		58100.00	mg/kg	-		47900.00	mg/kg	-
Manganese		377.00	mg/kg	-		356.00	mg/kg	-		371.00	mg/kg	-
Mercury		0.15	mg/kg	-		0.12	mg/kg	-	B	0.07	mg/kg	U
Molybdenum												
Nickel		100.00	mg/kg	-		100.00	mg/kg	-	B	6.10	mg/kg	-
Potassium	U	644.00	mg/kg	U	U	648.00	mg/kg	U	U	652.00	mg/kg	U
Selenium	UN	3.70	mg/kg	U	UN	3.70	mg/kg	U	UN	3.70	mg/kg	U
Silicon												
Silver	U	0.69	mg/kg	U	U	0.70	mg/kg	U	U	0.70	mg/kg	U
Sodium	B	504.00	mg/kg	-	B	556.00	mg/kg	-	B	464.00	mg/kg	-
Thallium	U	0.14	mg/kg	U	U	0.14	mg/kg	U	U	0.14	mg/kg	U
Vanadium		10.20	mg/kg	-	B	9.80	mg/kg	-	B	7.30	mg/kg	-
Zinc	N	48.90	mg/kg	J	N	55.00	mg/kg	J	N	16.30	mg/kg	J

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Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 77 - Finished Products Warehouse (4A)
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	77-003				77-004A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		4960.00	mg/kg	-		1640.00	mg/kg	-
Antimony	UN*	2.00	mg/kg	U		95.90	mg/kg	-
Arsenic	N	4.00	mg/kg	-	B	2.30	mg/kg	-
Barium		42.50	mg/kg	-	*	242.00	mg/kg	-
Beryllium	UN	0.02	mg/kg	U	B	0.35	mg/kg	U
Cadmium	UN	0.11	mg/kg	U		3.00	mg/kg	-
Calcium	E	160000.00	mg/kg	-	*	4370.00	mg/kg	J
Chromium	EN	8.10	mg/kg	-	*	7650.00	mg/kg	J
Cobalt	EN	3.10	mg/kg	-		394.00	mg/kg	-
Copper	N	8.60	mg/kg	-	*	16.30	mg/kg	J
Iron		5930.00	mg/kg	-	*	64100.00	mg/kg	J
Lead		5.30	mg/kg	U		34.00	mg/kg	-
Magnesium		31000.00	mg/kg	-		2560.00	mg/kg	-
Manganese	E	275.00	mg/kg	-	*	190.00	mg/kg	J
Mercury	UN	0.03	mg/kg	U	B	0.08	mg/kg	U
Molybdenum								
Nickel	N	6.60	mg/kg	-	*	13.70	mg/kg	-
Potassium		1240.00	mg/kg	-	U	643.00	mg/kg	U
Selenium	+	1.10	mg/kg	UJ	UN	3.70	mg/kg	U
Silicon								
Silver	U	0.19	mg/kg	U		4.20	mg/kg	-
Sodium		385.00	mg/kg	-	B	188.00	mg/kg	-
Thallium	UW	0.30	mg/kg	UJ	U	1.40	mg/kg	U
Vanadium	N	11.10	mg/kg	-		12.40	mg/kg	-
Zinc	N	14.80	mg/kg	-	*	919.00	mg/kg	J

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Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 79 - Plant 6 Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	79-003A				79-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5670.00	mg/kg	-		3150.00	mg/kg	-
Antimony	UN	1.00	mg/kg	R	BN	1.40	mg/kg	UJ
Arsenic	UN	2.00	mg/kg	R	BN	0.45	mg/kg	J
Barium	B	34.20	mg/kg	-		747.00	mg/kg	-
Beryllium	U	0.82	mg/kg	U		1.10	mg/kg	U
Cadmium		5.80	mg/kg	-	U	0.41	mg/kg	U
Calcium		181000.00	mg/kg	-		108000.00	mg/kg	-
Chromium		13.70	mg/kg	-		14800.00	mg/kg	-
Cobalt	B	5.80	mg/kg	-		91.30	mg/kg	-
Copper		9.80	mg/kg	U		72.80	mg/kg	-
Iron		6610.00	mg/kg	-		22600.00	mg/kg	-
Lead	N	7.50	mg/kg	J		60400.00	mg/kg	-
Magnesium		43900.00	mg/kg	-		8910.00	mg/kg	-
Manganese	N	345.00	mg/kg	J		454.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum								
Nickel		13.20	mg/kg	-		22.60	mg/kg	-
Potassium		2650.00	mg/kg	-	B	333.00	mg/kg	-
Selenium	UNW	2.00	mg/kg	U	UNW	2.00	mg/kg	UJ
Silicon								
Silver	U	0.41	mg/kg	U	B	0.63	mg/kg	-
Sodium		1230.00	mg/kg	-	B	540.00	mg/kg	-
Thallium	UNW	0.20	mg/kg	R	UNW	0.20	mg/kg	U
Vanadium		25.70	mg/kg	-		11.20	mg/kg	-
Zinc	N	35.00	mg/kg	J		27200.00	mg/kg	-

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 80 - Plant 8 Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	80-003A				80-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		5930.00	mg/kg	-		3810.00	mg/kg	-
Antimony	UN	1.00	mg/kg	R	BN	1.80	mg/kg	UJ
Arsenic	NW	5.60	mg/kg	J	UN	2.00	mg/kg	UJ
Barium		141.00	mg/kg	-		44.50	mg/kg	-
Beryllium	B	0.82	mg/kg	-		1.90	mg/kg	U
Cadmium		3.40	mg/kg	U		1.50	mg/kg	U
Calcium		177000.00	mg/kg	-		199000.00	mg/kg	-
Chromium		16.00	mg/kg	-		965.00	mg/kg	-
Cobalt	B	4.70	mg/kg	-		225.00	mg/kg	-
Copper		7.50	mg/kg	U		92.70	mg/kg	-
Iron		7400.00	mg/kg	-		36800.00	mg/kg	-
Lead	N	5.90	mg/kg	J		15.60	mg/kg	-
Magnesium		33400.00	mg/kg	-		1960.00	mg/kg	-
Manganese	N	343.00	mg/kg	J		433.00	mg/kg	-
Mercury	U	0.05	mg/kg	U	U	0.05	mg/kg	U
Molybdenum								
Nickel		14.10	mg/kg	-		15.80	mg/kg	-
Potassium		3450.00	mg/kg	-	B	103.00	mg/kg	-
Selenium	UN	2.10	mg/kg	U	UNW	2.00	mg/kg	UJ
Silicon								
Silver	UW	0.41	mg/kg	U	U	0.41	mg/kg	U
Sodium	B	419.00	mg/kg	-	B	185.00	mg/kg	-
Thallium	UNW	0.21	mg/kg	R	UN	0.20	mg/kg	U
Vanadium		21.40	mg/kg	-		12.10	mg/kg	-
Zinc	N	81.60	mg/kg	J		15700.00	mg/kg	-

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 81 - Plant 9 Warehouse
Analytical Results - Metals

Material:	CONCRETE CHIPS				STEEL COATINGS			
Depth:	0-.5"							
Process Area:	1				1			
Sample:	81-003A				81-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		6220.00	mg/kg	-		3700.00	mg/kg	-
Antimony	UN	9.60	mg/kg	UJ	UN	2.40	mg/kg	R
Arsenic	SN	5.50	mg/kg	-	BN	0.23	mg/kg	J
Barium	N*	137.00	mg/kg	-	E	20.30	mg/kg	J
Beryllium	B	0.36	mg/kg	-	UN	0.02	mg/kg	UJ
Cadmium	U	0.39	mg/kg	U	BN	0.13	mg/kg	J
Calcium		170000.00	mg/kg	-		196000.00	mg/kg	-
Chromium	N*	14.20	mg/kg	J		188.00	mg/kg	-
Cobalt	B	2.80	mg/kg	-	N	132.00	mg/kg	J
Copper	N*	6.10	mg/kg	J	N	9.30	mg/kg	J
Iron	E*	7110.00	mg/kg	J	E	20600.00	mg/kg	J
Lead		6.90	mg/kg	J	*	12.60	mg/kg	J
Magnesium		26000.00	mg/kg	-	E	1940.00	mg/kg	J
Manganese	E	305.00	mg/kg	J	E	58.10	mg/kg	J
Mercury	U	0.10	mg/kg	U	BN	0.06	mg/kg	J
Molybdenum								
Nickel		8.70	mg/kg	-	BN	1.90	mg/kg	J
Potassium		2740.00	mg/kg	-	B	118.00	mg/kg	-
Selenium	UNW	0.60	mg/kg	UJ	BWN	0.74	mg/kg	J
Silicon								
Silver	UN*	0.79	mg/kg	-	U	0.20	mg/kg	U
Sodium		1220.00	mg/kg	J		696.00	mg/kg	-
Thallium	U	0.60	mg/kg	U	UWN	0.31	mg/kg	UJ
Vanadium		15.20	mg/kg	-	B	2.20	mg/kg	-
Zinc	EN*	40.70	mg/kg	J	EN	9550.00	mg/kg	J

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Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Metals

Material:	ASPHALT			ASPHALT		
Depth:	0-.5"			0-.5"		
Process Area:	1			1		
Sample:	G02-001			G02-004		
	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ
Metals						
Aluminum	2400.00	mg/kg	-	1480.00	mg/kg	-
Antimony	UN 9.20	mg/kg	UJ	UN 9.30	mg/kg	UJ
Arsenic	S* 2.90	mg/kg	-	BS* 0.95	mg/kg	-
Barium	B* 18.50	mg/kg	-	B* 37.10	mg/kg	-
Beryllium	U 0.20	mg/kg	U	U 0.40	mg/kg	U
Cadmium	U* 0.60	mg/kg	U	U* 0.60	mg/kg	U
Calcium	* 121000.00	mg/kg	-	* 221000.00	mg/kg	-
Chromium	* 6.30	mg/kg	U	* 3.80	mg/kg	U
Cobalt	B 2.10	mg/kg	U	B 1.70	mg/kg	U
Copper	N* 7.60	mg/kg	-	BN* 4.80	mg/kg	U
Iron	* 5950.00	mg/kg	-	* 4220.00	mg/kg	-
Lead	2.80	mg/kg	-	1.70	mg/kg	-
Magnesium	49200.00	mg/kg	-	51200.00	mg/kg	-
Manganese	N* 257.00	mg/kg	J	N* 405.00	mg/kg	J
Mercury	U* 0.10	mg/kg	U	U* 0.10	mg/kg	U
Molybdenum						
Nickel	13.40	mg/kg	U	B 5.70	mg/kg	U
Potassium	B 364.00	mg/kg	U	B 459.00	mg/kg	U
Selenium	U 0.60	mg/kg	U	U 0.60	mg/kg	U
Silicon						
Silver	U 0.80	mg/kg	U	U 0.81	mg/kg	U
Sodium	B 471.00	mg/kg	J	B 516.00	mg/kg	J
Thallium	U 0.80	mg/kg	U	U 0.80	mg/kg	U
Vanadium	25.20	mg/kg	-	13.10	mg/kg	-
Zinc	* 20.60	mg/kg	-	* 214.00	mg/kg	-

Appendix L.2 - Major Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Organics

Material:	TRANSITE			
Depth:				
Process Area:	2			
Sample:	1A-005(TCLP)			
	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene	U	0.0050	mg/L	U
1,2-Dichloroethane	U	0.0050	mg/L	U
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone	U	0.0200	mg/L	U
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene	U	0.0050	mg/L	U
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride	U	0.0050	mg/L	U
Carbon disulfide				
Chlorobenzene	U	0.0100	mg/L	U
Chloroethane				
Chloroform	U	0.0050	mg/L	U
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene	U	0.0050	mg/L	U
Toluene				
Trichloroethene	U	0.0050	mg/L	U
Trichlorofluoromethane				
Vinyl chloride	U	0.0100	mg/L	U
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene	U	0.1700	mg/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	0.0400	mg/L	U
2,4,6-Trichlorophenol	U	0.0400	mg/L	U

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Material:	TRANSITE
Depth:	
Process Area:	2
Sample:	1A-005(TCLP)

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene	U	0.0400	mg/L	U
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene	U	0.0400	mg/L	U
Hexachlorobutadiene	U	0.0400	mg/L	U
Hexachlorocyclopentadiene				
Hexachloroethane	U	0.0400	mg/L	U
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	TRANSITE
Depth:	
Process Area:	2
Sample:	1A-005(TCLP)

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0400	mg/L	U
Pentachlorophenol	U	0.0400	mg/L	U
Phenanthrene				
Phenol				
Pyrene				
Pyridine	U	0.0400	mg/L	U
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol	U	0.0400	mg/L	U
p-Chloroaniline				
p-Methylphenol (Cresol)	U	0.0400	mg/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	TRANSITE				ACID BRICK				ACID BRICK				ACID BRICK			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	2A-014(TCLP)				2A-015				2A-016 DUP				2A-016(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,1,2,2-Tetrachloroethane					U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
1,1,2-Trichloroethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,1-Dichloroethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,1-Dichloroethene	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,2-Dichloroethane	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,2-Dichloroethene (Total)					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
1,2-Dichloropropane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
2-Butanone	U	0.1000	mg/L	U	J	8.00	ug/kg	J	J	6.00	ug/kg	J				
2-Hexanone					U	11.00	ug/kg	UJ	U	11.00	ug/kg	UJ				
4-Methyl-2-pentanone					U	11.00	ug/kg	UJ	U	11.00	ug/kg	UJ				
Acetone					B	29.00	ug/kg	R	B	31.00	ug/kg	R				
Benzene	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Bromodichloromethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Bromoform					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Bromomethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Carbon Tetrachloride	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Carbon disulfide					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Chlorobenzene	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
Chloroethane					U	11.00	ug/kg	R	U	11.00	ug/kg	R				
Chloroform	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Chloromethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Dibromochloromethane					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Ethylbenzene					U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
Methylene chloride					BJ	11.00	ug/kg	U	BJ	11.00	ug/kg	U				
Styrene					U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
Tetrachloroethene		59.0000	mg/L	-	U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
Toluene					U	11.00	ug/kg	U	J	2.00	ug/kg	J				
Trichloroethene	U	0.0500	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Trichlorofluoromethane					U	11.00	ug/kg	UJ	J	6.00	ug/kg	J				
Vinyl chloride	U	0.1000	mg/L	U	U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Xylenes, Total					U	11.00	ug/kg	U	U	11.00	ug/kg	UJ				
cis-1,3-Dichloropropene					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	11.00	ug/kg	U	U	11.00	ug/kg	U				
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
1,2-Dichlorobenzene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
1,3-Dichlorobenzene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
1,4-Dichlorobenzene	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2,2-oxybis(1-Chloropropane)					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2,4,5-Trichlorophenol	U	0.0400	mg/L	U	U	3400.00	ug/kg	U					U	1.3000	mg/L	U
2,4,6-Trichlorophenol	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U

2,550

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS				TRANSITE			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	2A-018(TCLP)				2A-019(TCLP) DUP				2A-054(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
1,1,2,2-Tetrachloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
1,1,2-Trichloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
1,1-Dichloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
1,1-Dichloroethene	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
1,2-Dichloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
1,2-Dichloroethene (Total)	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
1,2-Dichloropropane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
2-Butanone	U	0.0100	mg/L	UJ	U	0.0100	mg/L	UJ	U	0.1000	mg/L	U
2-Hexanone	U	0.0100	mg/L	UJ	U	0.0100	mg/L	UJ				
4-Methyl-2-pentanone	U	0.0100	mg/L	UJ	U	0.0100	mg/L	UJ				
Acetone	BE	0.4000	mg/L	R	BE	0.4400	mg/L	R				
Benzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Bromodichloromethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Bromoform	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Bromomethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Carbon Tetrachloride	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Carbon disulfide	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Chlorobenzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Chloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Chloroform	BJ	0.0100	mg/L	U	BJ	0.0100	mg/L	U	U	0.0500	mg/L	U
Chloromethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Dibromochloromethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Ethylbenzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Methylene chloride	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Styrene	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Tetrachloroethene	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Toluene	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Trichloroethene	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Trichlorofluoromethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Vinyl chloride	U	0.0100	mg/L	U	U	0.0100	mg/L	U	U	0.0500	mg/L	U
Xylenes, Total	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
cis-1,3-Dichloropropene	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
1,2-Dichlorobenzene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
1,3-Dichlorobenzene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
1,4-Dichlorobenzene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2,2-oxybis(1-Chloropropane)	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2,4,5-Trichlorophenol	U	1.3000	mg/L	U	U	1.3000	mg/L	U				
2,4,6-Trichlorophenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				

000258

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	TRANSITE				ACID BRICK				ACID BRICK				ACID BRICK			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	2A-014(TCLP)				2A-015				2A-016 DUP				2A-016(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2,4-Dimethylphenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2,4-Dinitrophenol					U	3400.00	ug/kg	UJ					U	1.3000	mg/L	U
2,4-Dinitrotoluene	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2,6-Dinitrotoluene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2-Chloronaphthalene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2-Chlorophenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2-Methylnaphthalene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
2-Nitroaniline					U	3400.00	ug/kg	UJ					U	1.3000	mg/L	UJ
2-Nitrophenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
3,3'-Dichlorobenzidine					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	UJ
3-Nitroaniline					U	3400.00	ug/kg	U					U	1.3000	mg/L	U
4,6-Dinitro-2-methylphenol					U	3400.00	ug/kg	U					U	1.3000	mg/L	U
4-Bromophenyl phenyl ether					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
4-Chloro-3-methylphenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
4-Chlorophenylphenyl ether					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
4-Nitroaniline					U	3400.00	ug/kg	U					U	1.3000	mg/L	U
4-Nitrophenol					U	3400.00	ug/kg	UJ					U	1.3000	mg/L	UJ
Acenaphthene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Acenaphthylene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Anthracene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Benzo(a)anthracene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Benzo(a)pyrene					J	340.00	ug/kg	J					U	0.5100	mg/L	U
Benzo(b)fluoranthene					J	260.00	ug/kg	J					U	0.5100	mg/L	U
Benzo(g,h,i)perylene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	U
Benzo(k)fluoranthene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	U
Butyl benzyl phthalate					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	UJ
Carbazole					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Chrysene					J	450.00	ug/kg	J					U	0.5100	mg/L	U
Di-n-butyl phthalate					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Di-n-octyl phthalate					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	U
Dibenzo(a,h)anthracene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	U
Dibenzofuran					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Diethyl phthalate					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Dimethyl phthalate					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Fluoranthene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Fluorene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Hexachlorobenzene	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Hexachlorobutadiene	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Hexachlorocyclopentadiene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	UJ
Hexachloroethane	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Indeno(1,2,3-cd)pyrene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	U
Isophorone					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
N-Nitroso-di-n-propylamine					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
N-Nitrosodiphenylamine					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Naphthalene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U

00959

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS				TRANSITE			
Depth:	0-.5"				0-.5"							
Process Area:	1				1				1			
Sample:	2A-018 (TCLP)				2A-019 (TCLP) DUP				2A-054 (TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2,4-Dimethylphenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2,4-Dinitrophenol	U	1.3000	mg/L	U	U	1.3000	mg/L	UJ				
2,4-Dinitrotoluene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2,6-Dinitrotoluene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2-Chloronaphthalene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2-Chlorophenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2-Methylnaphthalene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
2-Nitroaniline	U	1.3000	mg/L	U	U	1.3000	mg/L	U				
2-Nitrophenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
3,3'-Dichlorobenzidine	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
3-Nitroaniline	U	1.3000	mg/L	U	U	1.3000	mg/L	U				
4,6-Dinitro-2-methylphenol	U	1.3000	mg/L	U	U	1.3000	mg/L	U				
4-Bromophenyl phenyl ether	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
4-Chloro-3-methylphenol	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
4-Chlorophenylphenyl ether	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
4-Nitroaniline	U	1.3000	mg/L	U	U	1.3000	mg/L	UJ				
4-Nitrophenol	U	1.3000	mg/L	U	U	1.3000	mg/L	UJ				
Acenaphthene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Acenaphthylene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Anthracene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Benzo(a)anthracene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Benzo(a)pyrene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Benzo(b)fluoranthene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Benzo(g,h,i)perylene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Benzo(k)fluoranthene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Butyl benzyl phthalate	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Carbazole	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Chrysene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Di-n-butyl phthalate	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Di-n-octyl phthalate	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Dibenzo(a,h)anthracene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Dibenzofuran	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Diethyl phthalate	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Dimethyl phthalate	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Fluoranthene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Fluorene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Hexachlorobenzene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Hexachlorobutadiene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Hexachlorocyclopentadiene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Hexachloroethane	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Indeno(1,2,3-cd)pyrene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Isophorone	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
N-Nitroso-di-n-propylamine	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
N-Nitrosodiphenylamine	U	0.5300	mg/L	U	U	0.5200	mg/L	U				
Naphthalene	U	0.5300	mg/L	U	U	0.5200	mg/L	U				

096760

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	TRANSITE				ACID BRICK				ACID BRICK				ACID BRICK			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				1				1				1			
Sample:	2A-014 (TCLP)				2A-015				2A-016 DUP				2A-016 (TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Pentachlorophenol	U	0.2000	mg/L	U	U	3400.00	ug/kg	UJ					U	1.3000	mg/L	UJ
Phenanthrene					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Phenol					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Pyrene					U	1400.00	ug/kg	UJ					U	0.5100	mg/L	UJ
Pyridine	U	0.0400	mg/L	U												
bis(2-Chloroethoxy)methane					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
bis(2-Chloroethyl)ether					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate						2000.00	ug/kg	-					U	0.5100	mg/L	UJ
m-Methylphenol	U	0.0400	mg/L	U												
o-Methylphenol	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
p-Chloroaniline					U	1400.00	ug/kg	U					U	0.5100	mg/L	U
p-Methylphenol (Cresol)	U	0.0400	mg/L	U	U	1400.00	ug/kg	U					U	0.5100	mg/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.2 - Major Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS			CONCRETE CHIPS			TRANSITE		
Depth:	0-.5"			0-.5"					
Process Area:	1			1			1		
Sample:	2A-018(TCLP)			2A-019(TCLP) DUP			2A-054(TCLP)		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
Nitrobenzene	U	0.5300	mg/L U	U	0.5200	mg/L U			
Pentachlorophenol	U	1.3000	mg/L U	U	1.3000	mg/L UJ			
Phenanthrene	U	0.5300	mg/L U	U	0.5200	mg/L U			
Phenol	U	0.5300	mg/L U	U	0.5200	mg/L U			
Pyrene	U	0.5300	mg/L U	U	0.5200	mg/L U			
Pyridine									
bis(2-Chloroethoxy)methane	U	0.5300	mg/L U	U	0.5200	mg/L U			
bis(2-Chloroethyl)ether	U	0.5300	mg/L U	U	0.5200	mg/L U			
bis(2-Chloroisopropyl) ether									
bis(2-Ethylhexyl)phthalate	U	0.5300	mg/L U	U	0.5200	mg/L U			
m-Methylphenol									
o-Methylphenol	U	0.5300	mg/L U	U	0.5200	mg/L U			
p-Chloroaniline	U	0.5300	mg/L U	U	0.5200	mg/L U			
p-Methylphenol (Cresol)	U	0.5300	mg/L U	U	0.5200	mg/L U			
Pesticides/PCBs									
4,4'-DDD									
4,4'-DDE									
4,4'-DDT									
Aldrin									
Aroclor-1016									
Aroclor-1221									
Aroclor-1232									
Aroclor-1242									
Aroclor-1248									
Aroclor-1254									
Aroclor-1260									
Chlordane									
Dieldrin									
Endosulfan II									
Endosulfan sulfate									
Endosulfan-I									
Endrin									
Endrin aldehyde									
Endrin ketone									
Heptachlor									
Heptachlor epoxide									
Methoxychlor									
Toxaphene									
alpha-BHC									
alpha-Chlordane									
beta-BHC									
delta-BHC									
gamma-BHC (Lindane)									
gamma-Chlordane									

Appendix L.2 - Major Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	TRANSITE			
Depth:				
Process Area:	1			
Sample:	3E-015(TCLP)			
	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene	U	0.0250	mg/L	U
1,2-Dichloroethane	U	0.0250	mg/L	U
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone		0.0510	mg/L	-
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene	U	0.0250	mg/L	U
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride	U	0.0250	mg/L	U
Carbon disulfide				
Chlorobenzene	U	0.0250	mg/L	U
Chloroethane				
Chloroform	U	0.0250	mg/L	U
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene	U	0.0250	mg/L	U
Toluene				
Trichloroethene	U	0.0250	mg/L	U
Trichlorofluoromethane				
Vinyl chloride	U	0.0250	mg/L	U
Xylenes, Total				
cis-1,3-Dichloropropene				
m;p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene	U	0.0200	mg/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	0.0200	mg/L	R
2,4,6-Trichlorophenol	U	0.0200	mg/L	R

Material:	TRANSITE
Depth:	
Process Area:	1
Sample:	3E-015(TCLP)

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene	U	0.0200	mg/L	U
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene	U	0.0200	mg/L	U
Hexachlorobutadiene	U	0.0200	mg/L	U
Hexachlorocyclopentadiene				
Hexachloroethane	U	0.0200	mg/L	U
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	TRANSITE
Depth:	
Process Area:	1
Sample:	3E-015(TCLP)

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0200	mg/L	U
Pentachlorophenol	U	0.1000	mg/L	R
Phenanthrene				
Phenol				
Pyrene				
Pyridine	U	0.0200	mg/L	U
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol	U	0.0200	mg/L	R
o-Methylphenol	U	0.0200	mg/L	R
p-Chloroaniline				
p-Methylphenol (Cresol)	U	0.0200	mg/L	R
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

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Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	TRANSITE				TRANSITE			
Depth:								
Process Area:	1				1			
Sample:	4A-012(TCLP)				4A-013(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene	U	0.0800	mg/L	U	U	0.0800	mg/L	U
1,2-Dichloroethane	U	0.0800	mg/L	U	U	0.0800	mg/L	U
1,2-Dichloroethene (Total)								
1,2-Dichloropropane								
2-Butanone	U	0.3300	mg/L	U	U	0.3300	mg/L	U
2-Hexanone								
4-Methyl-2-pentanone								
Acetone								
Benzene	U	0.0800	mg/L	U	U	0.0800	mg/L	U
Bromodichloromethane								
Bromoform								
Bromomethane								
Carbon Tetrachloride	U	0.0800	mg/L	U	U	0.0800	mg/L	U
Carbon disulfide								
Chlorobenzene	U	0.1700	mg/L	U	U	0.1700	mg/L	U
Chloroethane								
Chloroform	U	0.0800	mg/L	U	U	0.0800	mg/L	U
Chloromethane								
Dibromochloromethane								
Ethylbenzene								
Methylene chloride								
Styrene								
Tetrachloroethene	U	0.0800	mg/L	U	U	0.0800	mg/L	U
Toluene								
Trichloroethene	U	0.0800	mg/L	U	U	0.0800	mg/L	U
Trichlorofluoromethane								
Vinyl chloride	U	0.1700	mg/L	U	U	0.1700	mg/L	U
Xylenes, Total								
cis-1,3-Dichloropropene								
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene								
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene	U	0.0400	mg/L	U	U	0.0400	mg/L	U
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	0.0400	mg/L	U	U	0.0400	mg/L	U
2,4,6-Trichlorophenol	U	0.0400	mg/L	U	U	0.0400	mg/L	U

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Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	TRANSITE				TRANSITE			
Depth:								
Process Area:	1				1			
Sample:	4A-012(TCLP)				4A-013(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene	U	0.0400	mg/L	U	U	0.0400	mg/L	U
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylnaphthalene								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4,6-Dinitro-2-methylphenol								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chlorophenylphenyl ether								
4-Nitroaniline								
4-Nitrophenol								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Butyl benzyl phthalate								
Carbazole								
Chrysene								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Diethyl phthalate								
Dimethyl phthalate								
Fluoranthene								
Fluorene								
Hexachlorobenzene	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Hexachlorobutadiene	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Hexachlorocyclopentadiene								
Hexachloroethane	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Indeno(1,2,3-cd)pyrene								
Isophorone								
N-Nitroso-di-n-propylamine								
N-Nitrosodiphenylamine								
Naphthalene								

Appendix L.2 - Major Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	TRANSITE				TRANSITE			
Depth:								
Process Area:	1				1			
Sample:	4A-012(TCLP)				4A-013(TCLP) DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Pentachlorophenol	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Phenanthrene								
Phenol								
Pyrene								
Pyridine	U	0.0400	mg/L	U	U	0.0400	mg/L	U
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate								
m-Methylphenol								
o-Methylphenol	U	0.0400	mg/L	U	U	0.0400	mg/L	U
p-Chloroaniline								
p-Methylphenol (Cresol)	U	0.0400	mg/L	U	U	0.0400	mg/L	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				5				5				5			
Sample:	5A-007(TCLP)				5A-027				5A-027(TCLP)				5A-058			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,1,2,2-Tetrachloroethane					U	50.00	ug/kg	UJ	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,1,2-Trichloroethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,1-Dichloroethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,1-Dichloroethene	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,2-Dichloroethane	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,2-Dichloroethene (Total)					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
1,2-Dichloropropane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
2-Butanone	U	0.0250	mg/L	U	U	50.00	ug/kg	R	U	0.0500	mg/L	UJ	U	49000.00	ug/kg	UJ
2-Hexanone					J	49.00	ug/kg	J	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
4-Methyl-2-pentanone					J	48.00	ug/kg	J	U	0.0500	mg/L	U	U	49000.00	ug/kg	UJ
Acetone					B	260.00	ug/kg	R	U	0.0500	mg/L	R	U	49000.00	ug/kg	R
Benzene	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Bromodichloromethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Bromoform					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Bromomethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Carbon Tetrachloride	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Carbon disulfide					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Chlorobenzene	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Chloroethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Chloroform	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Chloromethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Dibromochloromethane					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Ethylbenzene						610.00	ug/kg	-		0.0980	mg/L	-		220000.00	ug/kg	-
Methylene chloride					B	60.00	ug/kg	U	J	0.0500	mg/L	U	U	49000.00	ug/kg	U
Styrene					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Tetrachloroethene	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Toluene					J	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Trichloroethene	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	0.0250	mg/L	U	U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Xylenes, Total						2600.00	ug/kg	-		0.4700	mg/L	-		1300000.00	ug/kg	-
cis-1,3-Dichloropropene					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	50.00	ug/kg	U	U	0.0500	mg/L	U	U	49000.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	340.00	ug/kg	UJ								
1,2-Dichlorobenzene					U	340.00	ug/kg	R								
1,3-Dichlorobenzene					U	340.00	ug/kg	R								
1,4-Dichlorobenzene	U	0.0100	mg/L	U	U	340.00	ug/kg	R								
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	0.0500	mg/L	U	U	850.00	ug/kg	R								
2,4,6-Trichlorophenol	U	0.0100	mg/L	U	U	340.00	ug/kg	R								

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				.5-1"				1-1.5"			
Process Area:	5				5				5				5			
Sample:	5A-058(TCLP)				5A-059				5A-059(TCLP)				5A-060			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	J	0.0170	mg/L	J	U	12000.00	ug/kg	U	J	0.0090	mg/L	J	U	12000.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,1,2-Trichloroethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,1-Dichloroethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,1-Dichloroethene	J	0.0120	mg/L	J	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,2-Dichloroethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,2-Dichloroethene (Total)	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
1,2-Dichloropropane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
2-Butanone	U	0.0500	mg/L	UJ	U	12000.00	ug/kg	UJ	U	0.0250	mg/L	UJ	U	12000.00	ug/kg	UJ
2-Hexanone	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
4-Methyl-2-pentanone	U	0.0500	mg/L	UJ	U	12000.00	ug/kg	UJ	U	0.0250	mg/L	UJ	U	12000.00	ug/kg	UJ
Acetone	B	0.1500	mg/L	R	B	20000.00	ug/kg	R	B	0.0880	mg/L	R	B	15000.00	ug/kg	R
Benzene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Bromodichloromethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Bromoform	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Bromomethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Carbon Tetrachloride	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Carbon disulfide	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Chlorobenzene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Chloroethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Chloroform	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Chloromethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Dibromochloromethane	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Ethylbenzene		0.5700	mg/L	-		44000.00	ug/kg	J		0.2100	mg/L	-		35000.00	ug/kg	J
Methylene chloride	BJ	0.0500	mg/L	U	U	12000.00	ug/kg	U	BJ	0.0250	mg/L	U	U	12000.00	ug/kg	U
Styrene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Tetrachloroethene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Toluene	J	0.0100	mg/L	J	U	12000.00	ug/kg	U	J	0.0040	mg/L	J	U	12000.00	ug/kg	U
Trichloroethene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Xylenes, Total		2.6000	mg/L	-		260000.00	ug/kg	J		0.9900	mg/L	-		200000.00	ug/kg	J
cis-1,3-Dichloropropene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	0.0500	mg/L	U	U	12000.00	ug/kg	U	U	0.0250	mg/L	U	U	12000.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																
2,4,6-Trichlorophenol																

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-1.5"				0-.5"				0-.5"				.5-1"			
Process Area:	5				3				3				3			
Sample:	5A-060(TCLP)				5A-061				5A-061(TCLP)				5A-062			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	J	0.0080	mg/L	J	U	10.00	ug/kg	U		0.0880	mg/L	-	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
2-Butanone	U	0.0200	mg/L	UJ	J	10.00	ug/kg	U	U	0.0500	mg/L	U		11.00	ug/kg	U
2-Hexanone	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	0.0200	mg/L	UJ	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Acetone	B	0.0640	mg/L	R	B	40.00	ug/kg	R	B	0.6200	mg/L	R	B	42.00	ug/kg	R
Benzene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Bromodichloromethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Bromoform	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Bromomethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Carbon disulfide		0.0590	mg/L	-	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Chlorobenzene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	J	0.0200	mg/L	J	U	10.00	ug/kg	U
Chloroethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Chloroform	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Chloromethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Dibromochloromethane	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Ethylbenzene		0.2000	mg/L	-	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Methylene chloride	BJ	0.0200	mg/L	U	U	10.00	ug/kg	U	BJ	0.0500	mg/L	U	U	10.00	ug/kg	U
Styrene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Tetrachloroethene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Toluene	J	0.0030	mg/L	J	J	3.00	ug/kg	J		0.0540	mg/L	-	J	2.00	ug/kg	J
Trichloroethene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Xylenes, Total		0.8900	mg/L	-	BJ	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
cis-1,3-Dichloropropene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	0.0200	mg/L	U	U	10.00	ug/kg	U	U	0.0500	mg/L	U	U	10.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																
2,4,6-Trichlorophenol																

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-1.5"				1-1.5"				0-.5"			
Process Area:	3				3				3				3			
Sample:	5A-062(TCLP)				5A-063				5A-063(TCLP)				5A-064			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
olatile Organics																
1,1,1-Trichloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
2-Butanone	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	J	8.00	ug/L	J
2-Hexanone	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	UJ
Acetone	B	0.0590	mg/L	R	B	30.00	ug/kg	R	B	0.0360	mg/L	R	B	42.00	ug/L	R
Benzene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Bromoform	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Bromomethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	0.0100	mg/L	UJ	U	10.00	ug/kg	U	U	0.0100	mg/L	UJ	U	10.00	ug/L	U
Carbon disulfide		0.0870	mg/L	-	U	10.00	ug/kg	U		0.0580	mg/L	-	J	8.00	ug/L	J
Chlorobenzene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Chloroethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Chloroform	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Chloromethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Dibromochloromethane	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Ethylbenzene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Methylene chloride	BJ	0.0100	mg/L	U	U	10.00	ug/kg	U	B	0.0120	mg/L	U	JB	10.00	ug/L	U
Styrene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	0.0100	mg/L	UJ	U	10.00	ug/kg	U	U	0.0100	mg/L	UJ	U	10.00	ug/L	U
Toluene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Trichloroethene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	U
Xylenes, Total	U	0.0100	mg/L	U	BJ	10.00	ug/kg	U	U	0.0100	mg/L	U	JB	10.00	ug/L	U
cis-1,3-Dichloropropene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/L	UJ
emivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																
2,4,6-Trichlorophenol																

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				.5-1"				1-1.5"			
Process Area:	3				3				3			
Sample:	5A-065				5A-065(TCLP)				5A-066			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
2-Butanone	U	10.00	ug/kg	U	J	0.0070	mg/L	J	U	10.00	ug/kg	U
2-Hexanone	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	0.0100	mg/L	UJ	U	10.00	ug/kg	U
Acetone	B	31.00	ug/kg	R	B	0.0430	mg/L	R	B	40.00	ug/kg	R
Benzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	U		0.0120	mg/L	-	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Chloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Methylene chloride	U	10.00	ug/kg	U	JB	0.0100	mg/L	U	U	10.00	ug/kg	U
Styrene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Toluene	U	10.00	ug/kg	U	JB	0.0100	mg/L	U	U	10.00	ug/kg	U
Trichloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/kg	U	JB	0.0100	mg/L	U	U	10.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0100	mg/L	UJ	U	10.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0100	mg/L	UJ	U	10.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol												
2,4,6-Trichlorophenol												

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Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				5				5				5			
Sample:	5A-007(TCLP)				5A-027				5A-027(TCLP)				5A-058			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol					U	340.00	ug/kg	R								
2,4-Dimethylphenol					U	340.00	ug/kg	R								
2,4-Dinitrophenol					U	850.00	ug/kg	R								
2,4-Dinitrotoluene	U	0.0100	mg/L	U	U	340.00	ug/kg	U								
2,6-Dinitrotoluene					U	340.00	ug/kg	U								
2-Chloronaphthalene					U	340.00	ug/kg	U								
2-Chlorophenol					U	340.00	ug/kg	R								
2-Methylnaphthalene					U	340.00	ug/kg	UJ								
2-Nitroaniline					U	850.00	ug/kg	U								
2-Nitrophenol					U	340.00	ug/kg	R								
3,3'-Dichlorobenzidine					U	340.00	ug/kg	R								
3-Nitroaniline					U	850.00	ug/kg	U								
4,6-Dinitro-2-methylphenol					U	850.00	ug/kg	R								
4-Bromophenyl phenyl ether					U	340.00	ug/kg	U								
4-Chloro-3-methylphenol					U	340.00	ug/kg	R								
4-Chlorophenylphenyl ether					U	340.00	ug/kg	U								
4-Nitroaniline					U	850.00	ug/kg	U								
4-Nitrophenol					U	850.00	ug/kg	R								
Acenaphthene					U	340.00	ug/kg	U								
Acenaphthylene					U	340.00	ug/kg	U								
Anthracene					U	340.00	ug/kg	U								
Benzo(a)anthracene					U	340.00	ug/kg	R								
Benzo(a)pyrene					U	340.00	ug/kg	UJ								
Benzo(b)fluoranthene					U	340.00	ug/kg	UJ								
Benzo(g,h,i)perylene					U	340.00	ug/kg	UJ								
Benzo(k)fluoranthene					U	340.00	ug/kg	UJ								
Butyl benzyl phthalate					U	340.00	ug/kg	R								
Carbazole					U	340.00	ug/kg	U								
Chrysene					U	340.00	ug/kg	R								
Di-n-butyl phthalate					U	340.00	ug/kg	U								
Di-n-octyl phthalate					U	340.00	ug/kg	UJ								
Dibenzo(a,h)anthracene					U	340.00	ug/kg	UJ								
Dibenzofuran					U	340.00	ug/kg	U								
Diethyl phthalate					U	340.00	ug/kg	U								
Dimethyl phthalate					U	340.00	ug/kg	U								
Fluoranthene					U	340.00	ug/kg	U								
Fluorene					U	340.00	ug/kg	U								
Hexachlorobenzene	U	0.0100	mg/L	U	U	340.00	ug/kg	U								
Hexachlorobutadiene	U	0.0100	mg/L	U	U	340.00	ug/kg	UJ								
Hexachlorocyclopentadiene					U	340.00	ug/kg	U								
Hexachloroethane	U	0.0100	mg/L	U	U	340.00	ug/kg	R								
Indeno(1,2,3-cd)pyrene					U	340.00	ug/kg	UJ								
Isophorone					U	340.00	ug/kg	UJ								
N-Nitroso-di-n-propylamine					U	340.00	ug/kg	R								
N-Nitrosodiphenylamine					U	340.00	ug/kg	U								
Naphthalene					U	340.00	ug/kg	UJ								

0053474

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				.5-1"				1-1.5"			
Process Area:	5				5				5				5			
Sample:	5A-058(TCLP)				5A-059				5A-059(TCLP)				5A-060			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-1.5"				0-.5"				0-.5"				.5-1"			
Process Area:	5				3				3				3			
Sample:	5A-060(TCLP)				5A-061				5A-061(TCLP)				5A-062			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

000576

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-1.5"				1-1.5"				0-.5"			
Process Area:	3				3				3				3			
Sample:	5A-062(TCLP)				5A-063				5A-063(TCLP)				5A-064			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

000577

2173

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				.5-1"				1-1.5"			
Process Area:	3				3				3			
Sample:	5A-065				5A-065(TCLP)				5A-066			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol												
2,4-Dimethylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
2-Chloronaphthalene												
2-Chlorophenol												
2-Methylnaphthalene												
2-Nitroaniline												
2-Nitrophenol												
3,3'-Dichlorobenzidine												
3-Nitroaniline												
4,6-Dinitro-2-methylphenol												
4-Bromophenyl phenyl ether												
4-Chloro-3-methylphenol												
4-Chlorophenylphenyl ether												
4-Nitroaniline												
4-Nitrophenol												
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Butyl benzyl phthalate												
Carbazole												
Chrysene												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Diethyl phthalate												
Dimethyl phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
N-Nitroso-di-n-propylamine												
N-Nitrosodiphenylamine												
Naphthalene												

009278

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	1				5				5				5			
Sample:	5A-007(TCLP)				5A-027				5A-027(TCLP)				5A-058			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0100	mg/L	U	U	340.00	ug/kg	UJ								
Pentachlorophenol	U	0.0500	mg/L	U	U	850.00	ug/kg	R								
Phenanthrene					U	340.00	ug/kg	U								
Phenol					U	340.00	ug/kg	R								
Pyrene					U	340.00	ug/kg	R								
Pyridine	U	0.0100	mg/L	U												
bis(2-Chloroethoxy)methane					U	340.00	ug/kg	UJ								
bis(2-Chloroethyl)ether					U	340.00	ug/kg	R								
bis(2-Chloroisopropyl) ether					U	340.00	ug/kg	R								
bis(2-Ethylhexyl)phthalate					BJ	160.00	ug/kg	R								
m-Methylphenol																
o-Methylphenol	U	0.0100	mg/L	UJ	U	340.00	ug/kg	R								
p-Chloroaniline					U	340.00	ug/kg	UJ								
p-Methylphenol (Cresol)	U	0.0100	mg/L	U	U	340.00	ug/kg	R								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				.5-1"				1-1.5"			
Process Area:	5				5				5				5			
Sample:	5A-058(TCLP)				5A-059				5A-059(TCLP)				5A-060			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene																
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

005250

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	1-1.5"				0-.5"				0-.5"				.5-1"			
Process Area:	5				3				3				3			
Sample:	5A-060(TCLP)				5A-061				5A-061(TCLP)				5A-062			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene																
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

00525

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				1-1.5"				1-1.5"				0-.5"			
Process Area:	3				3				3				3			
Sample:	5A-062(TCLP)				5A-063				5A-063(TCLP)				5A-064			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene																
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

29000

Appendix L.2 - Major Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				.5-1"				1-1.5"			
Process Area:	3				3				3			
Sample:	5A-065				5A-065(TCLP)				5A-066			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene												
Pentachlorophenol												
Phenanthrene												
Phenol												
Pyrene												
Pyridine												
bis(2-Chloroethoxy)methane												
bis(2-Chloroethyl)ether												
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate												
m-Methylphenol												
o-Methylphenol												
p-Chloroaniline												
p-Methylphenol (Cresol)												
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

3 0 0 8 5 3

3 2 1 2

Material:	TRANSITE			
Depth:				
Process Area:	1			
Sample:	6A-015(TCLP)			
	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene	U	0.0250	mg/L	U
1,2-Dichloroethane	U	0.0250	mg/L	U
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone	U	0.0250	mg/L	U
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene	U	0.0250	mg/L	U
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride	U	0.0250	mg/L	U
Carbon disulfide				
Chlorobenzene	U	0.0250	mg/L	U
Chloroethane				
Chloroform	U	0.0250	mg/L	U
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene	U	0.0250	mg/L	U
Toluene				
Trichloroethene	U	0.0250	mg/L	U
Trichlorofluoromethane				
Vinyl chloride	U	0.0250	mg/L	U
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene	U	0.0200	mg/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	0.0200	mg/L	R
2,4,6-Trichlorophenol	U	0.0200	mg/L	R

000124

Material:	TRANSITE			
Depth:				
Process Area:	1			
Sample:	6A-015(TCLP)			
	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene	U	0.0200	mg/L	U
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene	U	0.0200	mg/L	U
Hexachlorobutadiene	U	0.0200	mg/L	U
Hexachlorocyclopentadiene				
Hexachloroethane	U	0.0200	mg/L	U
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

000585

2212

Material:	TRANSITE
Depth:	
Process Area:	1
Sample:	6A-015(TCLP)

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0200	mg/L	U
Pentachlorophenol	U	0.1000	mg/L	R
Phenanthrene				
Phenol				
Pyrene				
Pyridine	U	0.0200	mg/L	U
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol	U	0.0200	mg/L	R
o-Methylphenol	U	0.0200	mg/L	R
p-Chloroaniline				
p-Methylphenol (Cresol)	U	0.0200	mg/L	R
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Pre
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	6D-002

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

28000

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Pre
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	6D-002

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

000528

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	6D-002

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	1.400	ug/kg	UJ
4,4'-DDE	JP	0.690	ug/kg	J
4,4'-DDT	U	1.400	ug/kg	UJ
Aldrin	U	0.680	ug/kg	UJ
Aroclor-1016	U	14.000	ug/kg	UJ
Aroclor-1221	U	27.000	ug/kg	UJ
Aroclor-1232	U	14.000	ug/kg	UJ
Aroclor-1242	U	14.000	ug/kg	UJ
Aroclor-1248	U	14.000	ug/kg	UJ
Aroclor-1254		41.000	ug/kg	J
Aroclor-1260	U	14.000	ug/kg	UJ
Chlordane				
Dieldrin	U	1.400	ug/kg	UJ
Endosulfan II		1.600	ug/kg	J
Endosulfan sulfate	U	1.400	ug/kg	UJ
Endosulfan-I	U	0.680	ug/kg	UJ
Endrin	U	1.400	ug/kg	UJ
Endrin aldehyde	U	1.400	ug/kg	UJ
Endrin ketone	U	1.400	ug/kg	UJ
Heptachlor	U	0.680	ug/kg	UJ
Heptachlor epoxide	P	1.100	ug/kg	J
Methoxychlor	U	6.800	ug/kg	UJ
Toxaphene	U	68.000	ug/kg	UJ
alpha-BHC	U	0.680	ug/kg	UJ
alpha-Chlordane	U	0.680	ug/kg	UJ
beta-BHC	U	0.680	ug/kg	UJ
delta-BHC	U	0.680	ug/kg	UJ
gamma-BHC (Lindane)	U	0.680	ug/kg	UJ
gamma-Chlordane	JP	0.420	ug/kg	J

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	TRANSITE			
Depth:				
Process Area:	1			
Sample:	8A-009(TCLP)			
	LQ	RESULT	UNITS	VQ
olatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene	U	0.0285	mg/L	U
1,2-Dichloroethane	U	0.0330	mg/L	U
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone	U	0.1550	mg/L	U
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene	U	0.0320	mg/L	U
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride	U	0.0385	mg/L	U
Carbon disulfide				
Chlorobenzene	U	0.0320	mg/L	U
Chloroethane				
Chloroform	U	0.0280	mg/L	U
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene	U	0.0370	mg/L	U
Toluene				
Trichloroethene	U	0.0395	mg/L	U
Trichlorofluoromethane				
Vinyl chloride	U	0.0330	mg/L	U
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
emivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene	U*	0.0464	mg/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U*	0.0401	mg/L	U
2,4,6-Trichlorophenol	U*	0.0254	mg/L	U

90050

Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	TRANSITE
Depth:	
Process Area:	1
Sample:	8A-009(TCLP)

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene	U*	0.0259	mg/L	U
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene	U*	0.0238	mg/L	U
Hexachlorobutadiene	U*	0.0429	mg/L	U
Hexachlorocyclopentadiene				
Hexachloroethane	U*	0.0473	mg/L	U
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

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Appendix L.2 - Major Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	TRANSITE
Depth:	
Process Area:	1
Sample:	8A-009(TCLP)

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U*	0.0316	mg/L	U
Pentachlorophenol	U*	0.0807	mg/L	U
Phenanthrene				
Phenol				
Pyrene				
Pyridine	U*	0.0457	mg/L	U
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol	**	0.0144	mg/L	-
o-Methylphenol	U*	0.0180	mg/L	U
p-Chloroaniline				
p-Methylphenol (Cresol)	U*	0.0354	mg/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

000352

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	4				4				4				4			
Sample:	9A-028(TCLP)				9A-048				9A-048(TCLP)				9A-049			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,1,2,2-Tetrachloroethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,1,2-Trichloroethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,1-Dichloroethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,1-Dichloroethene	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,2-Dichloroethane	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,2-Dichloroethene (Total)					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
1,2-Dichloropropane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
2-Butanone	U	0.1000	mg/L	U		2600.00	ug/kg	J	U	0.0100	mg/L	U		3000.00	ug/kg	J
2-Hexanone					U	1300.00	ug/kg	U	U	0.0100	mg/L	R	U	1300.00	ug/kg	U
4-Methyl-2-pentanone					U	1300.00	ug/kg	U	U	0.0100	mg/L	R	U	1300.00	ug/kg	U
Acetone					U	1300.00	ug/kg	UJ	B	0.0320	mg/L	UJ	U	1300.00	ug/kg	UJ
Benzene	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	J	0.0030	mg/L	J	U	1300.00	ug/kg	U
Bromodichloromethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Bromoform					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Bromomethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Carbon Tetrachloride	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Carbon disulfide					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Chlorobenzene	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Chloroethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Chloroform	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	J	0.0010	mg/L	J	U	1300.00	ug/kg	U
Chloromethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Dibromochloromethane					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Ethylbenzene					U	1300.00	ug/kg	U	J	0.0020	mg/L	J	U	1300.00	ug/kg	U
Methylene chloride					U	1300.00	ug/kg	U	JB	0.0100	mg/L	U	U	1300.00	ug/kg	U
Styrene					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Tetrachloroethene	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Toluene					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Trichloroethene	U	0.0500	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	0.1000	mg/L	U	U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Xylenes, Total					U	1300.00	ug/kg	U	J	0.0060	mg/L	J	U	1300.00	ug/kg	U
cis-1,3-Dichloropropene					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	1300.00	ug/kg	U	U	0.0100	mg/L	U	U	1300.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
1,2-Dichlorobenzene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
1,3-Dichlorobenzene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
1,4-Dichlorobenzene	U	17.2000	mg/L	-	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)					U	9300.00	ug/kg	UJ	U	0.0400	mg/L	U	U	8000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	0.0400	mg/L	U	U	9300.00	ug/kg	R	U	0.1000	mg/L	U	U	8000.00	ug/kg	R
2,4,6-Trichlorophenol	U	0.0400	mg/L	U	U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R

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Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	4
Sample:	9A-051

	LQ	RESULT	UNITS	VQ
'olatile Organics				
1,1,1-Trichloroethane	U	1300.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	1300.00	ug/kg	U
1,1,2-Trichloroethane	U	1300.00	ug/kg	U
1,1-Dichloroethane	U	1300.00	ug/kg	U
1,1-Dichloroethene	U	1300.00	ug/kg	U
1,2-Dichloroethane	U	1300.00	ug/kg	U
1,2-Dichloroethene (Total)	U	1300.00	ug/kg	U
1,2-Dichloropropane	U	1300.00	ug/kg	U
2-Butanone	U	1300.00	ug/kg	U
2-Hexanone	U	1300.00	ug/kg	UJ
4-Methyl-2-pentanone	U	1300.00	ug/kg	U
Acetone	BJ	1300.00	ug/kg	UJ
Benzene	U	1300.00	ug/kg	U
Bromodichloromethane	U	1300.00	ug/kg	U
Bromoform	U	1300.00	ug/kg	U
Bromomethane	U	1300.00	ug/kg	U
Carbon Tetrachloride	U	1300.00	ug/kg	U
Carbon disulfide	U	1300.00	ug/kg	U
Chlorobenzene	U	1300.00	ug/kg	U
Chloroethane	U	1300.00	ug/kg	U
Chloroform	U	1300.00	ug/kg	U
Chloromethane	U	1300.00	ug/kg	U
Dibromochloromethane	U	1300.00	ug/kg	U
Ethylbenzene	U	1300.00	ug/kg	U
Methylene chloride	U	1300.00	ug/kg	U
Styrene	U	1300.00	ug/kg	U
Tetrachloroethene	U	1300.00	ug/kg	U
Toluene	U	1300.00	ug/kg	U
Trichloroethene	U	1300.00	ug/kg	U
Trichlorofluoromethane				
Vinyl chloride	U	1300.00	ug/kg	U
Xylenes, Total	U	1300.00	ug/kg	U
cis-1,3-Dichloropropene	U	1300.00	ug/kg	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	1300.00	ug/kg	U
emivolatile Organics				
1,2,4-Trichlorobenzene	U	14000.00	ug/kg	U
1,2-Dichlorobenzene	U	14000.00	ug/kg	UJ
1,3-Dichlorobenzene	U	14000.00	ug/kg	UJ
1,4-Dichlorobenzene	U	14000.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	14000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	34000.00	ug/kg	U
2,4,6-Trichlorophenol	U	14000.00	ug/kg	U

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	4				4				4				4			
Sample:	9A-028(TCLP)				9A-048				9A-048(TCLP)				9A-049			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
2,4-Dimethylphenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
2,4-Dinitrophenol					U	23000.00	ug/kg	R	U	0.1000	mg/L	U	U	20000.00	ug/kg	R
2,4-Dinitrotoluene	U	0.0400	mg/L	U	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
2,6-Dinitrotoluene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
2-Chloronaphthalene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
2-Chlorophenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
2-Methylnaphthalene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
2-Nitroaniline					U	9300.00	ug/kg	U	U	0.1000	mg/L	U	U	8000.00	ug/kg	U
2-Nitrophenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
3,3'-Dichlorobenzidine					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
3-Nitroaniline					U	9300.00	ug/kg	U	U	0.1000	mg/L	U	U	8000.00	ug/kg	U
4,6-Dinitro-2-methylphenol					U	23000.00	ug/kg	R	U	0.1000	mg/L	U	U	20000.00	ug/kg	R
4-Bromophenyl phenyl ether					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
4-Chloro-3-methylphenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
4-Chlorophenylphenyl ether					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
4-Nitroaniline					U	23000.00	ug/kg	U	U	0.1000	mg/L	U	U	20000.00	ug/kg	U
4-Nitrophenol					U	23000.00	ug/kg	R	U	0.1000	mg/L	U	U	20000.00	ug/kg	R
Acenaphthene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Acenaphthylene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Anthracene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Benzo(a)anthracene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Benzo(a)pyrene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Benzo(b)fluoranthene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Benzo(g,h,i)perylene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Benzo(k)fluoranthene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Butyl benzyl phthalate					U	9300.00	ug/kg	UJ	U	0.0400	mg/L	U	U	8000.00	ug/kg	UJ
Carbazole					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Chrysene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	J	550.00	ug/kg	J
Di-n-butyl phthalate					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Di-n-octyl phthalate					U	9300.00	ug/kg	UJ	U	0.0400	mg/L	U	U	8000.00	ug/kg	UJ
Dibenzo(a,h)anthracene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Dibenzofuran					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Diethyl phthalate					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Dimethyl phthalate					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Fluoranthene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	J	710.00	ug/kg	J
Fluorene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Hexachlorobenzene	U	0.0400	mg/L	U	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Hexachlorobutadiene	U	14.9000	mg/L	-	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Hexachlorocyclopentadiene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Hexachloroethane	U	0.0400	mg/L	U	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Isophorone					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
N-Nitroso-di-n-propylamine					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
N-Nitrosodiphenylamine					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Naphthalene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U

CS000857

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	4
Sample:	9A-051

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	14000.00	ug/kg	U
2,4-Dimethylphenol	U	14000.00	ug/kg	U
2,4-Dinitrophenol	U	34000.00	ug/kg	U
2,4-Dinitrotoluene	U	14000.00	ug/kg	U
2,6-Dinitrotoluene	U	14000.00	ug/kg	U
2-Chloronaphthalene	U	14000.00	ug/kg	U
2-Chlorophenol	U	14000.00	ug/kg	UJ
2-Methylnaphthalene	U	14000.00	ug/kg	U
2-Nitroaniline	U	34000.00	ug/kg	U
2-Nitrophenol	U	14000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	14000.00	ug/kg	U
3-Nitroaniline	U	34000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	34000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	14000.00	ug/kg	U
4-Chloro-3-methylphenol	U	14000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	14000.00	ug/kg	U
4-Nitroaniline	U	34000.00	ug/kg	UJ
4-Nitrophenol	U	34000.00	ug/kg	UJ
Acenaphthene	U	14000.00	ug/kg	U
Acenaphthylene	U	14000.00	ug/kg	U
Anthracene	U	14000.00	ug/kg	U
Benzo(a)anthracene	U	14000.00	ug/kg	U
Benzo(a)pyrene	U	14000.00	ug/kg	UJ
Benzo(b)fluoranthene	U	14000.00	ug/kg	UJ
Benzo(g,h,i)perylene	U	14000.00	ug/kg	UJ
Benzo(k)fluoranthene	U	14000.00	ug/kg	UJ
Butyl benzyl phthalate	U	14000.00	ug/kg	U
Carbazole	U	14000.00	ug/kg	U
Chrysene	U	14000.00	ug/kg	U
Di-n-butyl phthalate	U	14000.00	ug/kg	U
Di-n-octyl phthalate	U	14000.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	14000.00	ug/kg	UJ
Dibenzofuran	U	14000.00	ug/kg	U
Diethyl phthalate	U	14000.00	ug/kg	U
Dimethyl phthalate	U	14000.00	ug/kg	U
Fluoranthene	U	14000.00	ug/kg	UJ
Fluorene	U	14000.00	ug/kg	U
Hexachlorobenzene	U	14000.00	ug/kg	U
Hexachlorobutadiene	U	14000.00	ug/kg	U
Hexachlorocyclopentadiene	U	14000.00	ug/kg	U
Hexachloroethane	U	14000.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	U	14000.00	ug/kg	UJ
Isophorone	U	14000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	14000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	14000.00	ug/kg	U
Naphthalene	U	14000.00	ug/kg	U

000536

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	TRANSITE				CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CHIPS			
Depth:					0-.5"				0-.5"				0-.5"			
Process Area:	4				4				4				4			
Sample:	9A-028(TCLP)				9A-048				9A-048(TCLP)				9A-049			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	28.3000	mg/L	-	U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
Pentachlorophenol	U	0.2000	mg/L	U	U	23000.00	ug/kg	R	U	0.1000	mg/L	U	U	20000.00	ug/kg	R
Phenanthrene					J	590.00	ug/kg	J	U	0.0400	mg/L	U	J	490.00	ug/kg	J
Phenol					U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
Pyrene					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	J	720.00	ug/kg	J
Pyridine	U	0.4000	mg/L	U												
bis(2-Chloroethoxy)methane					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
bis(2-Chloroethyl)ether					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate					U	9300.00	ug/kg	UJ	U	0.0400	mg/L	U	J	1400.00	ug/kg	J
m-Methylphenol	U	0.0400	mg/L	U												
o-Methylphenol	U	6.7000	mg/L	-	U	9300.00	ug/kg	R	U	0.0400	mg/L	U	U	8000.00	ug/kg	R
p-Chloroaniline					U	9300.00	ug/kg	U	U	0.0400	mg/L	U	U	8000.00	ug/kg	U
p-Methylphenol (Cresol)	U	0.0400	mg/L	U	U	9300.00	ug/kg	R	U	0.0400	mg/L	U	J	650.00	ug/kg	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

2950000

3212

Appendix L.2 - Major Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	4
Sample:	9A-051

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	14000.00	ug/kg	U
Pentachlorophenol	U	34000.00	ug/kg	U
Phenanthrene	U	14000.00	ug/kg	U
Phenol	U	14000.00	ug/kg	UJ
Pyrene	U	14000.00	ug/kg	U
Pyridine				
bis(2-Chloroethoxy)methane	U	14000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	14000.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	U	14000.00	ug/kg	U
m-Methylphenol				
o-Methylphenol	U	14000.00	ug/kg	UJ
p-Chloroaniline	U	14000.00	ug/kg	U
p-Methylphenol (Cresol)	U	14000.00	ug/kg	UJ
esticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	9B-003A				9B-004A				9B-005A				9B-008A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
2-Butanone	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
2-Hexanone	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Acetone	B	44.00	ug/kg	UJ	B	25.00	ug/kg	UJ	B	18.00	ug/kg	UJ	BJ	10.00	ug/kg	UJ
Benzene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromodichloromethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromoform	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromomethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon disulfide	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chlorobenzene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloroethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloroform	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloromethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Dibromochloromethane	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Ethylbenzene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Methylene chloride	J	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Styrene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	J	10.00	ug/kg	U	J	10.00	ug/kg	U
Tetrachloroethene	J	1.00	ug/kg	J	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Toluene	J	10.00	ug/kg	U	U	10.00	ug/kg	U	J	2.00	ug/kg	J	U	10.00	ug/kg	U
Trichloroethene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	J	10.00	ug/kg	U	J	10.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Xylenes, Total	J	4.00	ug/kg	J	J	2.00	ug/kg	J	J	2.00	ug/kg	J	J	3.00	ug/kg	J
cis-1,3-Dichloropropene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	11.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
1,2-Dichlorobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
1,3-Dichlorobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
1,4-Dichlorobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)									U	12000.00	ug/kg	U				
2,4,5-Trichlorophenol	U	26000.00	ug/kg	U	U	52000.00	ug/kg	R	U	29000.00	ug/kg	R	U	25000.00	ug/kg	U
2,4,6-Trichlorophenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U

0003559

0012629

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	9B-003A				9B-004A				9B-005A				9B-008A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
2,4-Dimethylphenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
2,4-Dinitrophenol	U	26000.00	ug/kg	U	U	52000.00	ug/kg	R	U	29000.00	ug/kg	R	U	25000.00	ug/kg	U
2,4-Dinitrotoluene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
2,6-Dinitrotoluene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
2-Chloronaphthalene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
2-Chlorophenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
2-Methylnaphthalene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
2-Nitroaniline	U	26000.00	ug/kg	U	U	52000.00	ug/kg	U	U	29000.00	ug/kg	U	U	25000.00	ug/kg	U
2-Nitrophenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
3-Nitroaniline	U	26000.00	ug/kg	U	U	52000.00	ug/kg	U	U	29000.00	ug/kg	U	U	25000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26000.00	ug/kg	U	U	52000.00	ug/kg	R	U	29000.00	ug/kg	R	U	25000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
4-Chloro-3-methylphenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
4-Nitroaniline	U	26000.00	ug/kg	U	U	52000.00	ug/kg	U	U	29000.00	ug/kg	U	U	25000.00	ug/kg	U
4-Nitrophenol	U	26000.00	ug/kg	UJ	U	52000.00	ug/kg	R	U	29000.00	ug/kg	R	U	25000.00	ug/kg	UJ
Acenaphthene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Acenaphthylene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Anthracene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Benzo(a)anthracene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Benzo(a)pyrene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Benzo(b)fluoranthene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Benzo(g,h,i)perylene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Benzo(k)fluoranthene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Butyl benzyl phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Carbazole	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Chrysene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Di-n-butyl phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Di-n-octyl phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Dibenzofuran	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Diethyl phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Dimethyl phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Fluoranthene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Fluorene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Hexachlorobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Hexachlorobutadiene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Hexachlorocyclopentadiene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Hexachloroethane	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	U	10000.00	ug/kg	U
Isophorone	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
N-Nitrosodiphenylamine	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Naphthalene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U

000660

Appendix L.2 - Major Media
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				MASONRY CHIPS			
Depth:	0-.5"				.5-1"				1-4"				0-.5"			
Process Area:	1				1				1				1			
Sample:	9B-003A				9B-004A				9B-005A				9B-008A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Pentachlorophenol	U	26000.00	ug/kg	U	U	52000.00	ug/kg	R	U	29000.00	ug/kg	R	U	25000.00	ug/kg	U
Phenanthrene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Phenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
Pyrene	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U					U	10000.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	UJ	J	10000.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
p-Chloroaniline	U	10000.00	ug/kg	U	U	21000.00	ug/kg	U	U	12000.00	ug/kg	U	U	10000.00	ug/kg	U
p-Methylphenol (Cresol)	U	10000.00	ug/kg	U	U	21000.00	ug/kg	R	U	12000.00	ug/kg	R	U	10000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

1263001

00212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	9D-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	9D-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

000603

3212

Appendix L.2 - Major Media
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	9D-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.300	ug/kg	U
4,4'-DDE	JP	2.900	ug/kg	J
4,4'-DDT	U	3.300	ug/kg	UJ
Aldrin	U	1.700	ug/kg	U
Aroclor-1016	U	33.000	ug/kg	U
Aroclor-1221	U	67.000	ug/kg	U
Aroclor-1232	U	33.000	ug/kg	U
Aroclor-1242	U	33.000	ug/kg	U
Aroclor-1248	U	33.000	ug/kg	U
Aroclor-1254	U	33.000	ug/kg	U
Aroclor-1260		50.000	ug/kg	-
Chlordane				
Dieldrin	JP	1.600	ug/kg	J
Endosulfan II	JP	2.200	ug/kg	J
Endosulfan sulfate	P	3.800	ug/kg	J
Endosulfan-I	U	1.700	ug/kg	U
Endrin	U	3.300	ug/kg	U
Endrin aldehyde	U	3.300	ug/kg	U
Endrin ketone	U	3.300	ug/kg	U
Heptachlor	U	1.700	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U
Methoxychlor	U	17.000	ug/kg	U
Toxaphene	U	170.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	U
beta-BHC	U	1.700	ug/kg	U
delta-BHC	P	2.800	ug/kg	J
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	U

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	10D-001A				10D-002A				10D-003A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane												
1,1,2,2-Tetrachloroethane												
1,1,2-Trichloroethane												
1,1-Dichloroethane												
1,1-Dichloroethene												
1,2-Dichloroethane												
1,2-Dichloroethene (Total)												
1,2-Dichloropropane												
2-Butanone												
2-Hexanone												
4-Methyl-2-pentanone												
Acetone												
Benzene												
Bromodichloromethane												
Bromoform												
Bromomethane												
Carbon Tetrachloride												
Carbon disulfide												
Chlorobenzene												
Chloroethane												
Chloroform												
Chloromethane												
Dibromochloromethane												
Ethylbenzene												
Methylene chloride												
Styrene												
Tetrachloroethene												
Toluene												
Trichloroethene												
Trichlorofluoromethane												
Vinyl chloride												
Xylenes, Total												
cis-1,3-Dichloropropene												
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene												
Semivolatile Organics												
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol												
2,4,6-Trichlorophenol												

000605

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Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	10D-001A				10D-002A				10D-003A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol												
2,4-Dimethylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
2-Chloronaphthalene												
2-Chlorophenol												
2-Methylnaphthalene												
2-Nitroaniline												
2-Nitrophenol												
3,3'-Dichlorobenzidine												
3-Nitroaniline												
4,6-Dinitro-2-methylphenol												
4-Bromophenyl phenyl ether												
4-Chloro-3-methylphenol												
4-Chlorophenylphenyl ether												
4-Nitroaniline												
4-Nitrophenol												
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Butyl benzyl phthalate												
Carbazole												
Chrysene												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Diethyl phthalate												
Dimethyl phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
N-Nitroso-di-n-propylamine												
N-Nitrosodiphenylamine												
Naphthalene												

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				.5-1"				1-4"			
Process Area:	1				1				1			
Sample:	10D-001A				10D-002A				10D-003A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene												
Pentachlorophenol												
Phenanthrene												
Phenol												
Pyrene												
Pyridine												
bis(2-Chloroethoxy)methane												
bis(2-Chloroethyl)ether												
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate												
m-Methylphenol												
o-Methylphenol												
p-Chloroaniline												
p-Methylphenol (Cresol)												
Pesticides/PCBs												
4,4'-DDD	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
4,4'-DDE	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
4,4'-DDT	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Aldrin	U	1.700	ug/kg	UJ	U	1.800	ug/kg	UJ	U	1.800	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	U	U	35.000	ug/kg	U	U	35.000	ug/kg	U
Aroclor-1221	U	69.000	ug/kg	U	U	71.000	ug/kg	U	U	70.000	ug/kg	U
Aroclor-1232	U	34.000	ug/kg	U	U	35.000	ug/kg	U	U	35.000	ug/kg	U
Aroclor-1242	U	34.000	ug/kg	U	U	35.000	ug/kg	U	U	35.000	ug/kg	U
Aroclor-1248	U	34.000	ug/kg	U	U	35.000	ug/kg	U	U	35.000	ug/kg	U
Aroclor-1254	P	3900.000	ug/kg	J	P	4100.000	ug/kg	J	P	2600.000	ug/kg	J
Aroclor-1260	D	3400.000	ug/kg	-	D	2700.000	ug/kg	-	D	1300.000	ug/kg	-
Chlordane												
Dieldrin	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Endosulfan II	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Endosulfan sulfate	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Endosulfan-I	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
Endrin	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Endrin aldehyde	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Endrin ketone	U	3.400	ug/kg	U	U	3.500	ug/kg	U	U	3.500	ug/kg	U
Heptachlor	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
Methoxychlor	U	17.000	ug/kg	UJ	U	18.000	ug/kg	UJ	U	18.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	U	U	180.000	ug/kg	U	U	180.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	UJ	U	1.800	ug/kg	UJ	U	1.800	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
beta-BHC	U	1.700	ug/kg	UJ	U	1.800	ug/kg	UJ	U	1.800	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
gamma-BHC (Lindane)	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U
gamma-Chlordane	U	1.700	ug/kg	U	U	1.800	ug/kg	U	U	1.800	ug/kg	U

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	ACID BRICK	ACID BRICK	CONCRETE CHIPS	CONCRETE CHIPS
Depth:	0-.5"	0-.5"	0-.5"	0-.5"
Process Area:	2	2	2	2
Sample:	13A-042	13A-042(TCLP)	13A-044	13A-044(TCLP)

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane		10.00	ug/kg	-	U	0.0120	mg/L	U		36000.00	ug/kg	J		0.1400	mg/L	-
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
2-Butanone	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
2-Hexanone	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Acetone	U	10.00	ug/kg	U		0.2200	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Benzene	U	10.00	ug/kg	U		0.1700	mg/L	-	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Bromodichloromethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Bromoform	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Bromomethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Carbon disulfide	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Chlorobenzene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Chloroethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Chloroform	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Chloromethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Dibromochloromethane	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Ethylbenzene	J	5.00	ug/kg	J	U	0.0120	mg/L	U		16000.00	ug/kg	J		0.0960	mg/L	-
Methylene chloride	J	9.00	ug/kg	J		0.0410	mg/L	U	U	5000.00	ug/kg	R	U	0.0250	mg/L	U
Styrene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Tetrachloroethene	J	5.00	ug/kg	J	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Toluene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Trichloroethene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Trichlorofluoromethane					U	0.0120	mg/L	UJ					U	0.0250	mg/L	UJ
Vinyl chloride	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Xylenes, Total		18.00	ug/kg	-	U	0.0120	mg/L	U		110000.00	ug/kg	J		0.5200	mg/L	-
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
m,p-Xylene		14.00	ug/kg	-						68000.00	ug/kg	J				
o-Xylene	J	4.00	ug/kg	J						40000.00	ug/kg	J				
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0120	mg/L	U	U	5000.00	ug/kg	UJ	U	0.0250	mg/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	9200.00	ug/kg	U	U	0.4000	mg/L	U	U	9200.00	ug/kg	U	U	0.4000	mg/L	U
1,2-Dichlorobenzene	U	9200.00	ug/kg	U	U	0.4000	mg/L	U	U	9200.00	ug/kg	U	U	0.4000	mg/L	U
1,3-Dichlorobenzene	U	9200.00	ug/kg	U	U	0.4000	mg/L	U	U	9200.00	ug/kg	U	U	0.4000	mg/L	U
1,4-Dichlorobenzene	U	9200.00	ug/kg	U	U	0.4000	mg/L	U	U	9200.00	ug/kg	U	U	0.4000	mg/L	U
2,2-oxybis(1-Chloropropane)	U	9200.00	ug/kg	UJ	U	0.4000	mg/L	UJ	U	9200.00	ug/kg	UJ	U	0.4000	mg/L	UJ
2,4,5-Trichlorophenol	U	9200.00	ug/kg	U	U	1.0000	mg/L	U	U	9200.00	ug/kg	U	U	1.0000	mg/L	U
2,4,6-Trichlorophenol	U	9200.00	ug/kg	U	U	0.4000	mg/L	U	U	9200.00	ug/kg	U	U	0.4000	mg/L	U

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	MASONRY CHIPS			ACID BRICK			ACID BRICK			CONCRETE CHIPS		
Depth:	0-.5"			0-.5"			0-.5"			0-.5"		
Process Area:	3			3			3			3		
Sample:	13A-064			13A-068			13A-068R(TCLP)			13A-069		
	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	J 25.00	ug/kg	J	U 420.00	ug/kg	U	U 0.0500	mg/L	U	J 8.00	ug/kg	J
1,1,2,2-Tetrachloroethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,1,2-Trichloroethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,1-Dichloroethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,1-Dichloroethene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,2-Dichloroethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,2-Dichloroethene (Total)	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
1,2-Dichloropropane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
2-Butanone	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	UJ
2-Hexanone	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	UJ
4-Methyl-2-pentanone	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	UJ
Acetone	U 50.00	ug/kg	U	U 420.00	ug/kg	UJ	U 0.0500	mg/L	R	U 10.00	ug/kg	UJ
Benzene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Bromodichloromethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Bromoform	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Bromomethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Carbon Tetrachloride	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Carbon disulfide	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Chlorobenzene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Chloroethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Chloroform	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Chloromethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Dibromochloromethane	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Ethylbenzene	J 7.00	ug/kg	J	U 420.00	ug/kg	U	U 0.0500	mg/L	U	J 3.00	ug/kg	J
Methylene chloride	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Styrene	U 50.00	ug/kg	U	J 58.00	ug/kg	J	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Tetrachloroethene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	J 3.00	ug/kg	J
Toluene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Trichloroethene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Trichlorofluoromethane				U 420.00	ug/kg	U				U 10.00	ug/kg	U
Vinyl chloride	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Xylenes, Total	J 42.00	ug/kg	J	U 420.00	ug/kg	U	U 0.0500	mg/L	U	J 10.00	ug/kg	J
cis-1,3-Dichloropropene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
m,p-Xylene	J 28.00	ug/kg	J									
o-Xylene	J 13.00	ug/kg	J									
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U 50.00	ug/kg	U	U 420.00	ug/kg	U	U 0.0500	mg/L	U	U 10.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0100	mg/L	U	U 34000.00	ug/kg	U
1,2-Dichlorobenzene	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0100	mg/L	U	U 34000.00	ug/kg	U
1,3-Dichlorobenzene	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0100	mg/L	U	U 34000.00	ug/kg	U
1,4-Dichlorobenzene	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0100	mg/L	U	U 34000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U 11000.00	ug/kg	UJ	U 700.00	ug/kg	UJ				U 34000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0250	mg/L	U	U 82000.00	ug/kg	U
2,4,6-Trichlorophenol	U 11000.00	ug/kg	U	U 700.00	ug/kg	U	U 0.0100	mg/L	U	U 34000.00	ug/kg	U

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	3				3				2				2			
Sample:	13A-069(TCLP)				13A-070(TCLP) DUP				13A-077				13A-077(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane		0.0100	mg/L	-	U	0.0120	mg/L	U		150.00	ug/kg	-		0.0980	mg/L	-
1,1,2,2-Tetrachloroethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,1,2-Trichloroethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,1-Dichloroethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,1-Dichloroethene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,2-Dichloroethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,2-Dichloroethene (Total)	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
1,2-Dichloropropane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
2-Butanone	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	BJ	0.0100	mg/L	U
2-Hexanone	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
4-Methyl-2-pentanone	U	0.0100	mg/L	U	U	0.0120	mg/L	U		53.00	ug/kg	-	J	0.0070	mg/L	J
Acetone		0.0870	mg/L	U		0.1600	mg/L	U	B	89.00	ug/kg	R	B	0.0510	mg/L	R
Benzene		0.0480	mg/L	-		0.1900	mg/L	-	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Bromodichloromethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Bromoform	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Bromomethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Carbon Tetrachloride	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Carbon disulfide	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U		0.0250	mg/L	-
Chlorobenzene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Chloroethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Chloroform	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Chloromethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Dibromochloromethane	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Ethylbenzene	U	0.0100	mg/L	U	U	0.0120	mg/L	U		240.00	ug/kg	-		0.0540	mg/L	-
Methylene chloride		0.0160	mg/L	U		0.0290	mg/L	U	U	51.00	ug/kg	U	B	0.0100	mg/L	U
Styrene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Tetrachloroethene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	J	10.00	ug/kg	J	U	0.0100	mg/L	U
Toluene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	J	9.00	ug/kg	J	J	0.0020	mg/L	J
Trichloroethene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Trichlorofluoromethane	U	0.0100	mg/L	U	U	0.0120	mg/L	UJ								
Vinyl chloride	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Xylenes, Total	U	0.0100	mg/L	U	U	0.0120	mg/L	U		1300.00	ug/kg	-		0.3000	mg/L	-
cis-1,3-Dichloropropene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	0.0100	mg/L	U	U	0.0120	mg/L	U	U	51.00	ug/kg	U	U	0.0100	mg/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	0.4000	mg/L	U	U	0.4000	mg/L	U								
1,2-Dichlorobenzene	U	0.4000	mg/L	U	U	0.4000	mg/L	U								
1,3-Dichlorobenzene	U	0.4000	mg/L	U	U	0.4000	mg/L	U								
1,4-Dichlorobenzene	U	0.4000	mg/L	U	U	0.4000	mg/L	U								
2,2-oxybis(1-Chloropropane)	U	0.4000	mg/L	UJ	U	0.4000	mg/L	UJ								
2,4,5-Trichlorophenol	U	1.0000	mg/L	U	U	1.0000	mg/L	U								
2,4,6-Trichlorophenol	U	0.4000	mg/L	U	U	0.4000	mg/L	U								

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE	CONCRETE CORE
Depth:	.5-1"	.5-1"	1-1.5"	1-1.5"
Process Area:	2	2	2	2
Sample:	13A-078	13A-078 (TCLP)	13A-079	13A-079 (TCLP)

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	J	8.00	ug/kg	J	J	0.0030	mg/L	J	U	10.00	ug/kg	U	J	0.0040	mg/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,1,2-Trichloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,1-Dichloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,1-Dichloroethene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,2-Dichloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
1,2-Dichloropropane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
2-Butanone	J	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	UJ
2-Hexanone	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
4-Methyl-2-pentanone		29.00	ug/kg	J	J	0.0090	mg/L	J	U	10.00	ug/kg	U	J	0.0060	mg/L	J
Acetone	B	59.00	ug/kg	R	B	0.0510	mg/L	R	B	24.00	ug/kg	R	B	0.0850	mg/L	R
Benzene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Bromodichloromethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Bromoform	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Bromomethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Carbon Tetrachloride	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Carbon disulfide	U	10.00	ug/kg	UJ		0.1200	mg/L	-	U	10.00	ug/kg	U		0.2100	mg/L	-
Chlorobenzene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Chloroethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Chloroform	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Chloromethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Dibromochloromethane	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Ethylbenzene		92.00	ug/kg	J	J	0.0080	mg/L	J	J	3.00	ug/kg	J	U	0.0250	mg/L	U
Methylene chloride	U	10.00	ug/kg	UJ	B	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Styrene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Tetrachloroethene		23.00	ug/kg	J	J	0.0020	mg/L	J	J	4.00	ug/kg	J	U	0.0250	mg/L	U
Toluene	J	8.00	ug/kg	J	J	0.0020	mg/L	J	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Trichloroethene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Xylenes, Total	B	410.00	ug/kg	J		0.0410	mg/L	-		24.00	ug/kg	U	J	0.0250	mg/L	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/kg	UJ	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	0.0250	mg/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																
2,4,6-Trichlorophenol																

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"				1-1.5"			
Process Area:	2				2				2				2			
Sample:	13A-080				13A-080(TCLP)				13A-081				13A-082			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
2-Butanone	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Acetone	B	14.00	ug/kg	R	B	0.0350	mg/L	R	B	32.00	ug/kg	R	B	43.00	ug/kg	R
Benzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Bromoform	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Bromomethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/kg	U		0.0300	mg/L	-	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloroethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	J	1.00	ug/kg	J
Methylene chloride	U	10.00	ug/kg	U	B	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Styrene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	J	8.00	ug/kg	J
Toluene	J	1.00	ug/kg	J	U	0.0100	mg/L	U	J	2.00	ug/kg	J	J	2.00	ug/kg	J
Trichloroethene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Xylenes, Total	J	10.00	ug/kg	U	J	0.0100	mg/L	U	BJ	10.00	ug/kg	U	BJ	10.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0100	mg/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																
2,4,6-Trichlorophenol																

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE
Depth:	1-1.5"
Process Area:	2
Sample:	13A-082(TCLP)

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	0.0100	mg/L	U
1,1,2,2-Tetrachloroethane	U	0.0100	mg/L	U
1,1,2-Trichloroethane	U	0.0100	mg/L	U
1,1-Dichloroethane	U	0.0100	mg/L	U
1,1-Dichloroethene	U	0.0100	mg/L	U
1,2-Dichloroethane	U	0.0100	mg/L	U
1,2-Dichloroethene (Total)	U	0.0100	mg/L	U
1,2-Dichloropropane	U	0.0100	mg/L	U
2-Butanone	U	0.0100	mg/L	U
2-Hexanone	U	0.0100	mg/L	U
4-Methyl-2-pentanone	U	0.0100	mg/L	U
Acetone	B	0.0380	mg/L	R
Benzene	U	0.0100	mg/L	U
Bromodichloromethane	U	0.0100	mg/L	U
Bromoform	U	0.0100	mg/L	U
Bromomethane	U	0.0100	mg/L	U
Carbon Tetrachloride	U	0.0100	mg/L	U
Carbon disulfide		0.0390	mg/L	-
Chlorobenzene	U	0.0100	mg/L	U
Chloroethane	U	0.0100	mg/L	U
Chloroform	U	0.0100	mg/L	U
Chloromethane	U	0.0100	mg/L	U
Dibromochloromethane	U	0.0100	mg/L	U
Ethylbenzene	U	0.0100	mg/L	U
Methylene chloride	B	0.0120	mg/L	U
Styrene	U	0.0100	mg/L	U
Tetrachloroethene	U	0.0100	mg/L	U
Toluene	U	0.0100	mg/L	U
Trichloroethene	U	0.0100	mg/L	U
Trichlorofluoromethane				
Vinyl chloride	U	0.0100	mg/L	U
Xylenes, Total	U	0.0100	mg/L	U
cis-1,3-Dichloropropene	U	0.0100	mg/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	0.0100	mg/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	ACID BRICK			ACID BRICK			CONCRETE CHIPS			CONCRETE CHIPS		
Depth:	0-.5"			0-.5"			0-.5"			0-.5"		
Process Area:	2			2			2			2		
Sample:	13A-042			13A-042(TCLP)			13A-044			13A-044(TCLP)		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2,4-Dimethylphenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2,4-Dinitrophenol	U	23000.00	ug/kg R	U	1.0000	mg/L U	U	23000.00	ug/kg R	U	1.0000	mg/L U
2,4-Dinitrotoluene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2,6-Dinitrotoluene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2-Chloronaphthalene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2-Chlorophenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2-Methylnaphthalene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
2-Nitroaniline	U	9200.00	ug/kg U	U	1.0000	mg/L U	U	9200.00	ug/kg U	U	1.0000	mg/L U
2-Nitrophenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
3,3'-Dichlorobenzidine	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
3-Nitroaniline	U	9200.00	ug/kg U	U	1.0000	mg/L U	U	9200.00	ug/kg U	U	1.0000	mg/L U
4,6-Dinitro-2-methylphenol	U	23000.00	ug/kg UJ	U	1.0000	mg/L U	U	23000.00	ug/kg UJ	U	1.0000	mg/L U
4-Bromophenyl phenyl ether	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
4-Chloro-3-methylphenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
4-Chlorophenylphenyl ether	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
4-Nitroaniline	U	23000.00	ug/kg U	U	1.0000	mg/L U	U	23000.00	ug/kg U	U	1.0000	mg/L U
4-Nitrophenol	U	23000.00	ug/kg UJ	U	1.0000	mg/L U	U	23000.00	ug/kg UJ	U	1.0000	mg/L U
Acenaphthene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Acenaphthylene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Anthracene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Benzo(a)anthracene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Benzo(a)pyrene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Benzo(b)fluoranthene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Benzo(g,h,i)perylene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Benzo(k)fluoranthene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Butyl benzyl phthalate	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	J	500.00	ug/kg J	U	0.4000	mg/L UJ
Carbazole	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Chrysene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Di-n-butyl phthalate	JB	9200.00	ug/kg U	U	0.4000	mg/L U	JB	9200.00	ug/kg U	U	0.4000	mg/L U
Di-n-octyl phthalate	J	100.00	ug/kg J	U	0.4000	mg/L UJ	J	39.00	ug/kg J	U	0.4000	mg/L UJ
Dibenzo(a,h)anthracene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Dibenzofuran	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Diethyl phthalate	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Dimethyl phthalate	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Fluoranthene	J	67.00	ug/kg J	U	0.4000	mg/L U	J	160.00	ug/kg J	U	0.4000	mg/L U
Fluorene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Hexachlorobenzene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Hexachlorobutadiene	U	9200.00	ug/kg U	U	0.4000	mg/L R	U	9200.00	ug/kg U	U	0.4000	mg/L R
Hexachlorocyclopentadiene	U	9200.00	ug/kg UJ	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Hexachloroethane	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Indeno(1,2,3-cd)pyrene	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
Isophorone	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
N-Nitroso-di-n-propylamine	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
N-Nitrosodiphenylamine	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Naphthalene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	MASONRY CHIPS				ACID BRICK				ACID BRICK				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	3				3				3				3			
Sample:	13A-064				13A-068				13A-068R(TCLP)				13A-069			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2,4-Dimethylphenol	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2,4-Dinitrophenol	U	26000.00	ug/kg	R	U	1700.00	ug/kg	U	U	0.0250	mg/L	UJ	U	82000.00	ug/kg	R
2,4-Dinitrotoluene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2,6-Dinitrotoluene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2-Chloronaphthalene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2-Chlorophenol	U	11000.00	ug/kg	U	J	9.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2-Methylnaphthalene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
2-Nitroaniline	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0250	mg/L	U	U	82000.00	ug/kg	U
2-Nitrophenol	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	UJ	U	34000.00	ug/kg	U
3-Nitroaniline	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0250	mg/L	U	U	82000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26000.00	ug/kg	UJ	U	1700.00	ug/kg	U	U	0.0250	mg/L	UJ	U	82000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
4-Chloro-3-methylphenol	U	11000.00	ug/kg	U	J	37.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
4-Nitroaniline	U	26000.00	ug/kg	U	U	1700.00	ug/kg	U	U	0.0250	mg/L	U	U	82000.00	ug/kg	U
4-Nitrophenol	U	26000.00	ug/kg	UJ	U	1700.00	ug/kg	UJ	J	0.0090	mg/L	J	U	82000.00	ug/kg	UJ
Acenaphthene	U	11000.00	ug/kg	U	J	20.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Acenaphthylene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Anthracene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Benzo(a)anthracene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Benzo(a)pyrene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Benzo(b)fluoranthene	U	11000.00	ug/kg	U	J	19.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Benzo(g,h,i)perylene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Benzo(k)fluoranthene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Butyl benzyl phthalate	U	11000.00	ug/kg	U	JB	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Carbazole	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Chrysene	U	11000.00	ug/kg	U	J	18.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Di-n-butyl phthalate	U	11000.00	ug/kg	U	JB	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Di-n-octyl phthalate	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Dibenzofuran	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Diethyl phthalate	U	11000.00	ug/kg	U	JB	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Dimethyl phthalate	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Fluoranthene	U	11000.00	ug/kg	U	J	40.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Fluorene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Hexachlorobenzene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Hexachlorobutadiene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Hexachlorocyclopentadiene	U	11000.00	ug/kg	UJ	U	700.00	ug/kg	U	U	0.0100	mg/L	UJ	U	34000.00	ug/kg	UJ
Hexachloroethane	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Isophorone	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
N-Nitrosodiphenylamine	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Naphthalene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U

0000545

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CHIPS			CONCRETE CHIPS			CONCRETE CORE			CONCRETE CORE		
Depth:	0-.5"			0-.5"			0-.5"			0-.5"		
Process Area:	3			3			2			2		
Sample:	13A-069(TCLP)			13A-070(TCLP) DUP			13A-077			13A-077(TCLP)		
	LQ	RESULT UNITS	VQ	LQ	RESULT UNITS	VQ	LQ	RESULT UNITS	VQ	LQ	RESULT UNITS	VQ
2,4-Dichlorophenol	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2,4-Dimethylphenol	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2,4-Dinitrophenol	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
2,4-Dinitrotoluene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2,6-Dinitrotoluene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2-Chloronaphthalene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2-Chlorophenol	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2-Methylnaphthalene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
2-Nitroaniline	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
2-Nitrophenol	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
3,3'-Dichlorobenzidine	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
3-Nitroaniline	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
4,6-Dinitro-2-methylphenol	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
4-Bromophenyl phenyl ether	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
4-Chloro-3-methylphenol	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
4-Chlorophenylphenyl ether	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
4-Nitroaniline	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
4-Nitrophenol	U	1.0000 mg/L	U	U	1.0000 mg/L	U						
Acenaphthene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Acenaphthylene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Anthracene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Benzo(a)anthracene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Benzo(a)pyrene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Benzo(b)fluoranthene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Benzo(g,h,i)perylene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Benzo(k)fluoranthene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Butyl benzyl phthalate	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Carbazole	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Chrysene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Di-n-butyl phthalate	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Di-n-octyl phthalate	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Dibenzo(a,h)anthracene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Dibenzofuran	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Diethyl phthalate	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Dimethyl phthalate	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Fluoranthene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Fluorene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Hexachlorobenzene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Hexachlorobutadiene	U	0.4000 mg/L	R	U	0.4000 mg/L	R						
Hexachlorocyclopentadiene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Hexachloroethane	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Indeno(1,2,3-cd)pyrene	U	0.4000 mg/L	UJ	U	0.4000 mg/L	UJ						
Isophorone	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
N-Nitroso-di-n-propylamine	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
N-Nitrosodiphenylamine	U	0.4000 mg/L	U	U	0.4000 mg/L	U						
Naphthalene	U	0.4000 mg/L	U	U	0.4000 mg/L	U						

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	5-1"				.5-1"				1-1.5"				1-1.5"			
Process Area:	2				2				2				2			
Sample:	13A-078				13A-078(TCLP)				13A-079				13A-079(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"				1-1.5"			
Process Area:	2				2				2				2			
Sample:	13A-080				13A-080(TCLP)				13A-081				13A-082			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

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Material:	CONCRETE CORE
Depth:	1-1.5"
Process Area:	2
Sample:	13A-082(TCLP)

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	ACID BRICK			ACID BRICK			CONCRETE CHIPS			CONCRETE CHIPS		
Depth:	0-.5"			0-.5"			0-.5"			0-.5"		
Process Area:	2			2			2			2		
Sample:	13A-042			13A-042(TCLP)			13A-044			13A-044(TCLP)		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Nitrobenzene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Pentachlorophenol	U	23000.00	ug/kg UJ	U	1.0000	mg/L U	U	23000.00	ug/kg UJ	U	1.0000	mg/L U
Phenanthrene	U	9200.00	ug/kg U	U	0.4000	mg/L U	J	130.00	ug/kg J	U	0.4000	mg/L U
Phenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Pyrene	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Pyridine												
bis(2-Chloroethoxy)methane	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
bis(2-Chloroethyl)ether	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	JB	9200.00	ug/kg U	U	0.4000	mg/L UJ	JB	9200.00	ug/kg U	U	0.4000	mg/L UJ
m-Methylphenol												
o-Methylphenol	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
p-Chloroaniline	U	9200.00	ug/kg U	U	0.4000	mg/L UJ	U	9200.00	ug/kg U	U	0.4000	mg/L UJ
p-Methylphenol (Cresol)	U	9200.00	ug/kg U	U	0.4000	mg/L U	U	9200.00	ug/kg U	U	0.4000	mg/L U
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	MASONRY CHIPS				ACID BRICK				ACID BRICK				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"				0-.5"				0-.5"			
Process Area:	3				3				3				3			
Sample:	13A-064				13A-068				13A-068R(TCLP)				13A-069			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Pentachlorophenol	U	26000.00	ug/kg	UJ	U	1700.00	ug/kg	R	U	0.0250	mg/L	U	U	82000.00	ug/kg	UJ
Phenanthrene	U	11000.00	ug/kg	U	J	22.00	ug/kg	J	U	0.0100	mg/L	U	J	250.00	ug/kg	J
Phenol	U	11000.00	ug/kg	U	J	39.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Pyrene	U	11000.00	ug/kg	U	J	57.00	ug/kg	J	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Pyridine																
bis(2-Chloroethoxy)methane	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
bis(2-Chloroisopropyl) ether									U	0.0100	mg/L	U				
bis(2-Ethylhexyl)phthalate	U	11000.00	ug/kg	U	JB	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
p-Chloroaniline	U	11000.00	ug/kg	U	U	700.00	ug/kg	UJ	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
p-Methylphenol (Cresol)	U	11000.00	ug/kg	U	U	700.00	ug/kg	U	U	0.0100	mg/L	U	U	34000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CHIPS			CONCRETE CHIPS			CONCRETE CORE			CONCRETE CORE		
Depth:	0-.5"			0-.5"			0-.5"			0-.5"		
Process Area:	3			3			2			2		
Sample:	13A-069(TCLP)			13A-070(TCLP) DUP			13A-077			13A-077(TCLP)		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ			LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
Nitrobenzene	U	0.4000	mg/L U	U	0.4000	mg/L U						
Pentachlorophenol	U	1.0000	mg/L U	U	1.0000	mg/L U						
Phenanthrene	U	0.4000	mg/L U	U	0.4000	mg/L U						
Phenol	J	0.0180	mg/L J	J	0.0220	mg/L J						
Pyrene	U	0.4000	mg/L U	U	0.4000	mg/L U						
Pyridine												
bis(2-Chloroethoxy)methane	U	0.4000	mg/L U	U	0.4000	mg/L U						
bis(2-Chloroethyl)ether	U	0.4000	mg/L U	U	0.4000	mg/L U						
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	0.4000	mg/L UJ	U	0.4000	mg/L UJ						
m-Methylphenol												
o-Methylphenol	U	0.4000	mg/L U	U	0.4000	mg/L U						
p-Chloroaniline	U	0.4000	mg/L UJ	U	0.4000	mg/L UJ						
p-Methylphenol (Cresol)	U	0.4000	mg/L U	U	0.4000	mg/L U						
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	.5-1"				.5-1"				1-1.5"				1-1.5"			
Process Area:	2				2				2				2			
Sample:	13A-078				13A-078(TCLP)				13A-079				13A-079(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene																
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.2 - Major Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	CONCRETE CORE				CONCRETE CORE				CONCRETE CORE				CONCRETE CORE			
Depth:	0-.5"				0-.5"				.5-1"				1-1.5"			
Process Area:	2				2				2				2			
Sample:	13A-080				13A-080(TCLP)				13A-081				13A-082			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene																
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Material:	CONCRETE CORE
Depth:	1-1.5"
Process Area:	2
Sample:	13A-082(TCLP)

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	CONCRETE CHIPS			CONCRETE CHIPS			
Depth:	0-.5"			0-.5"			
Process Area:	1			1			
Sample:	16A-002A			16A-003A DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,2-Dichloroethane								
1,2-Dichloroethene (Total)								
1,2-Dichloropropane								
2-Butanone								
2-Hexanone								
4-Methyl-2-pentanone								
Acetone								
Benzene								
Bromodichloromethane								
Bromoform								
Bromomethane								
Carbon Tetrachloride								
Carbon disulfide								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Dibromochloromethane								
Ethylbenzene								
Methylene chloride								
Styrene								
Tetrachloroethene								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl chloride								
Xylenes, Total								
cis-1,3-Dichloropropene								
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene								
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								

000326

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16A-002A				16A-003A DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylnaphthalene								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4,6-Dinitro-2-methylphenol								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chlorophenylphenyl ether								
4-Nitroaniline								
4-Nitrophenol								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Butyl benzyl phthalate								
Carbazole								
Chrysene								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Diethyl phthalate								
Dimethyl phthalate								
Fluoranthene								
Fluorene								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Indeno(1,2,3-cd)pyrene								
Isophorone								
N-Nitroso-di-n-propylamine								
N-Nitrosodiphenylamine								
Naphthalene								

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Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16A-002A				16A-003A DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene								
Pentachlorophenol								
Phenanthrene								
Phenol								
Pyrene								
Pyridine								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate								
m-Methylphenol								
o-Methylphenol								
p-Chloroaniline								
p-Methylphenol (Cresol)								
esticides/PCBs								
4,4'-DDD	U	3.300	ug/kg	U	U	3.300	ug/kg	U
4,4'-DDE	U	3.300	ug/kg	U	U	3.300	ug/kg	U
4,4'-DDT	U	3.300	ug/kg	UJ	U	3.300	ug/kg	UJ
Aldrin	U	1.700	ug/kg	U	U	1.700	ug/kg	U
Aroclor-1016	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Aroclor-1221	U	67.000	ug/kg	U	U	67.000	ug/kg	U
Aroclor-1232	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Aroclor-1242	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Aroclor-1248	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Aroclor-1254	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Aroclor-1260	U	33.000	ug/kg	U	U	33.000	ug/kg	U
Chlordane								
Dieldrin	J	3.000	ug/kg	J		6.900	ug/kg	-
Endosulfan II	U	3.300	ug/kg	U	U	3.300	ug/kg	U
Endosulfan sulfate	JP	2.400	ug/kg	J	P	8.200	ug/kg	J
Endosulfan-I	U	1.700	ug/kg	U	P	2.700	ug/kg	J
Endrin	U	3.300	ug/kg	UJ	U	3.300	ug/kg	UJ
Endrin aldehyde	U	3.300	ug/kg	U	U	3.300	ug/kg	U
Endrin ketone	U	3.300	ug/kg	U		7.100	ug/kg	-
Heptachlor	U	1.700	ug/kg	U	U	1.700	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U	U	1.700	ug/kg	U
Methoxychlor	U	17.000	ug/kg	UJ	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	U	U	170.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	U		5.400	ug/kg	-
beta-BHC	U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	U	U	1.700	ug/kg	U

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16B-004				16B-005 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,2-Dichloroethane								
1,2-Dichloroethene (Total)								
1,2-Dichloropropane								
2-Butanone								
2-Hexanone								
4-Methyl-2-pentanone								
Acetone								
Benzene								
Bromodichloromethane								
Bromoform								
Bromomethane								
Carbon Tetrachloride								
Carbon disulfide								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Dibromochloromethane								
Ethylbenzene								
Methylene chloride								
Styrene								
Tetrachloroethene								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl chloride								
Xylenes, Total								
cis-1,3-Dichloropropene								
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene								
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								

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Appendix L.2 - Major Media
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16B-004				16B-005			
					DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylnaphthalene								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4,6-Dinitro-2-methylphenol								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chlorophenylphenyl ether								
4-Nitroaniline								
4-Nitrophenol								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Butyl benzyl phthalate								
Carbazole								
Chrysene								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Diethyl phthalate								
Dimethyl phthalate								
Fluoranthene								
Fluorene								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Indeno(1,2,3-cd)pyrene								
Isophorone								
N-Nitroso-di-n-propylamine								
N-Nitrosodiphenylamine								
Naphthalene								

Appendix L.2 - Major Media
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	16B-004				16B-005 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene								
Pentachlorophenol								
Phenanthrene								
Phenol								
Pyrene								
Pyridine								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate								
m-Methylphenol								
o-Methylphenol								
p-Chloroaniline								
p-Methylphenol (Cresol)								
Pesticides/PCBs								
4,4'-DDD	U	3.700	ug/kg	UJ	U	3.400	ug/kg	UJ
4,4'-DDE	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
4,4'-DDT	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
Aldrin	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
Aroclor-1016	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Aroclor-1221	U	74.000	ug/kg	U	U	69.000	ug/kg	U
Aroclor-1232	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Aroclor-1242	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Aroclor-1248	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Aroclor-1254	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Aroclor-1260	U	37.000	ug/kg	U	U	34.000	ug/kg	U
Chlordane		0.000	ug/kg	NV		0.000	ug/kg	NV
Dieldrin	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
Endosulfan II	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
Endosulfan sulfate	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
Endosulfan-I	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
Endrin	U	3.700	ug/kg	UJ	U	3.400	ug/kg	UJ
Endrin aldehyde	U	3.700	ug/kg	UJ	U	3.400	ug/kg	UJ
Endrin ketone	U	3.700	ug/kg	U	U	3.400	ug/kg	UJ
Heptachlor	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
Heptachlor epoxide	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
Methoxychlor	U	19.000	ug/kg	U	U	17.000	ug/kg	UJ
Toxaphene	U	190.000	ug/kg	U	U	170.000	ug/kg	U
alpha-BHC	U	1.900	ug/kg	UJ	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
beta-BHC	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
delta-BHC	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)	U	1.900	ug/kg	UJ	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.900	ug/kg	U	U	1.700	ug/kg	UJ

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Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16C-002

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16C-002

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16C-002

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	U
4,4'-DDE	U	3.400	ug/kg	U
4,4'-DDT	U	3.400	ug/kg	U
Aldrin	U	1.800	ug/kg	U
Aroclor-1016	U	34.000	ug/kg	U
Aroclor-1221	U	70.000	ug/kg	U
Aroclor-1232	U	34.000	ug/kg	U
Aroclor-1242	U	34.000	ug/kg	U
Aroclor-1248	U	34.000	ug/kg	U
Aroclor-1254	U	34.000	ug/kg	U
Aroclor-1260	U	34.000	ug/kg	U
Chlordane				
Dieldrin	U	3.400	ug/kg	U
Endosulfan II	U	3.400	ug/kg	U
Endosulfan sulfate	U	3.400	ug/kg	U
Endosulfan-I	U	1.800	ug/kg	U
Endrin	U	3.400	ug/kg	U
Endrin aldehyde	U	3.400	ug/kg	U
Endrin ketone	U	3.400	ug/kg	U
Heptachlor	U	1.800	ug/kg	U
Heptachlor epoxide	U	1.800	ug/kg	U
Methoxychlor	U	18.000	ug/kg	U
Toxaphene	U	180.000	ug/kg	U
alpha-BHC	U	1.800	ug/kg	U
alpha-Chlordane	U	1.800	ug/kg	U
beta-BHC	U	1.800	ug/kg	U
delta-BHC	U	1.800	ug/kg	U
gamma-BHC (Lindane)	U	1.800	ug/kg	U
gamma-Chlordane	U	1.800	ug/kg	U

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16E-002A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16E - Main Electrical Transfor
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16E-002A

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16E-002A

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.500	ug/kg	UJ
4,4'-DDE	U	3.500	ug/kg	UJ
4,4'-DDT	U	3.500	ug/kg	U
Aldrin	U	1.800	ug/kg	UJ
Aroclor-1016	U	35.000	ug/kg	U
Aroclor-1221	U	71.000	ug/kg	U
Aroclor-1232	U	35.000	ug/kg	U
Aroclor-1242	U	35.000	ug/kg	U
Aroclor-1248	U	35.000	ug/kg	U
Aroclor-1254	U	35.000	ug/kg	U
Aroclor-1260	U	35.000	ug/kg	U
Chlordane				
Dieldrin	U	3.500	ug/kg	UJ
Endosulfan II	U	3.500	ug/kg	U
Endosulfan sulfate	U	3.500	ug/kg	U
Endosulfan-I	U	1.800	ug/kg	U
Endrin	U	3.500	ug/kg	U
Endrin aldehyde	U	3.500	ug/kg	U
Endrin ketone	U	3.500	ug/kg	U
Heptachlor	U	1.800	ug/kg	U
Heptachlor epoxide	U	1.800	ug/kg	U
Methoxychlor	U	18.000	ug/kg	UJ
Toxaphene	U	180.000	ug/kg	U
alpha-BHC	U	1.800	ug/kg	U
alpha-Chlordane	U	1.800	ug/kg	U
beta-BHC	U	1.800	ug/kg	UJ
delta-BHC	U	1.800	ug/kg	U
gamma-BHC (Lindane)	U	1.800	ug/kg	UJ
gamma-Chlordane	U	1.800	ug/kg	U

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16F-002

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

000328

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16F-002

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	16F-002			
	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	UJ
4,4'-DDE	U	3.400	ug/kg	UJ
4,4'-DDT	U	3.400	ug/kg	UJ
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	UJ
Aroclor-1221	U	69.000	ug/kg	UJ
Aroclor-1232	U	34.000	ug/kg	UJ
Aroclor-1242	U	34.000	ug/kg	UJ
Aroclor-1248	U	34.000	ug/kg	UJ
Aroclor-1254	U	34.000	ug/kg	UJ
Aroclor-1260	U	34.000	ug/kg	UJ
Chlordane				
Dieldrin	U	3.400	ug/kg	UJ
Endosulfan II	U	3.400	ug/kg	UJ
Endosulfan sulfate	U	3.400	ug/kg	UJ
Endosulfan-I	U	1.700	ug/kg	UJ
Endrin	U	3.400	ug/kg	UJ
Endrin aldehyde	U	3.400	ug/kg	UJ
Endrin ketone	U	3.400	ug/kg	UJ
Heptachlor	U	1.700	ug/kg	UJ
Heptachlor epoxide	U	1.700	ug/kg	UJ
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	UJ
alpha-BHC	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	UJ
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	UJ

000240

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16G - Trailer Substation #2
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16G-002A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

00054

2126

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16G - Trailer Substation #2
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16G-002A

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

0003742

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	16G-002A

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	UJ
4,4'-DDE	U	3.400	ug/kg	UJ
4,4'-DDT	U	3.400	ug/kg	UJ
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	UJ
Aroclor-1221	U	68.000	ug/kg	UJ
Aroclor-1232	U	34.000	ug/kg	UJ
Aroclor-1242	U	34.000	ug/kg	UJ
Aroclor-1248	U	34.000	ug/kg	UJ
Aroclor-1254	U	34.000	ug/kg	UJ
Aroclor-1260	U	34.000	ug/kg	UJ
Chlordane				
Dieldrin	U	3.400	ug/kg	UJ
Endosulfan II	U	3.400	ug/kg	UJ
Endosulfan sulfate	U	3.400	ug/kg	UJ
Endosulfan-I	U	1.700	ug/kg	UJ
Endrin	U	3.400	ug/kg	UJ
Endrin aldehyde	U	3.400	ug/kg	UJ
Endrin ketone	U	3.400	ug/kg	UJ
Heptachlor	U	1.700	ug/kg	UJ
Heptachlor epoxide	U	1.700	ug/kg	UJ
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	UJ
alpha-BHC	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	UJ
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	UJ

Appendix L.2 - Major Media
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	18G-003A

	LQ	RESULT	UNITS	VQ
olatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
emivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	18G-003A

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

000545

e212

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	18G-003A			
	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	UJ
4,4'-DDE		94.000	ug/kg	J
4,4'-DDT	U	3.400	ug/kg	U
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	U
Aroclor-1221	U	68.000	ug/kg	U
Aroclor-1232	U	34.000	ug/kg	U
Aroclor-1242	U	34.000	ug/kg	U
Aroclor-1248	U	34.000	ug/kg	U
Aroclor-1254	U	34.000	ug/kg	U
Aroclor-1260	U	34.000	ug/kg	U
Chlordane				
Dieldrin	P	4.100	ug/kg	J
Endosulfan II	U	3.400	ug/kg	U
Endosulfan sulfate	U	3.400	ug/kg	U
Endosulfan-I	U	1.700	ug/kg	U
Endrin	U	3.400	ug/kg	U
Endrin aldehyde	U	3.400	ug/kg	U
Endrin ketone	U	3.400	ug/kg	U
Heptachlor	U	1.700	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	U
alpha-Chlordane	U	1.700	ug/kg	U
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	U
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	U

000546

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	TRANSITE				TRANSITE				CONCRETE CORE				CONCRETE CORE			
Depth:	.								0-.5"				.5-1"			
Process Area:	3				3				3				3			
Sample:	39A-015(TCLP)				39A-016(TCLP) DUP				39A-024A				39A-025A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
1,2-Dichloroethane	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
1,2-Dichloroethene (Total)																
1,2-Dichloropropane																
2-Butanone	U	0.0500	mg/L	U		0.0998	mg/L	U								
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Carbon disulfide																
Chlorobenzene	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Chloroethane																
Chloroform	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Chloromethane																
Dibromochloromethane																
Ethylbenzene																
Methylene chloride																
Styrene																
Tetrachloroethene	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Toluene																
Trichloroethene	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Trichlorofluoromethane																
Vinyl chloride	U	0.0250	mg/L	U	U	0.0250	mg/L	U								
Xylenes, Total																
cis-1,3-Dichloropropene																
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene																
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	0.0500	mg/L	R	U	0.0500	mg/L	R								
2,4,6-Trichlorophenol	U	0.0100	mg/L	R	U	0.0100	mg/L	R								

0006

7173

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	CONCRETE CORE
Depth:	1-6"
Process Area:	3
Sample:	39A-026A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

0043748

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	TRANSITE				TRANSITE				CONCRETE CORE				CONCRETE CORE			
Depth:									0-.5"				.5-1"			
Process Area:	3				3				3				3			
Sample:	39A-015(TCLP)				39A-016(TCLP) DUP				39A-024A				39A-025A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
Hexachlorobutadiene	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
Hexachlorocyclopentadiene																
Hexachloroethane	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																

006548

2123

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	CONCRETE CORE
Depth:	1-6"
Process Area:	3
Sample:	39A-026A

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

UNCLASSIFIED

Appendix L.2 - Major Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	TRANSITE				TRANSITE				CONCRETE CORE				CONCRETE CORE			
Depth:									0-.5"				.5-1"			
Process Area:	3				3				3				3			
Sample:	39A-015(TCLP)				39A-016(TCLP) DUP				39A-024A				39A-025A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
Pentachlorophenol	U	0.0500	mg/L	R	U	0.0500	mg/L	R								
Phenanthrene																
Phenol																
Pyrene																
Pyridine	U	0.0100	mg/L	U	U	0.0100	mg/L	U								
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
m-Methylphenol																
o-Methylphenol	U	0.0100	mg/L	R	U	0.0100	mg/L	R								
p-Chloroaniline																
p-Methylphenol (Cresol)	U	0.0100	mg/L	R	U	0.0100	mg/L	R								
Pesticides/PCBs																
4,4'-DDD									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
4,4'-DDE									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
4,4'-DDT									P	52.000	ug/kg	R	U	3.400	ug/kg	UJ
Aldrin									P	27.000	ug/kg	R	U	1.700	ug/kg	UJ
Aroclor-1016									U	34.000	ug/kg	UJ	U	34.000	ug/kg	UJ
Aroclor-1221									U	68.000	ug/kg	UJ	U	68.000	ug/kg	UJ
Aroclor-1232									U	34.000	ug/kg	UJ	U	34.000	ug/kg	UJ
Aroclor-1242									U	34.000	ug/kg	UJ	U	34.000	ug/kg	UJ
Aroclor-1248									U	34.000	ug/kg	UJ	U	34.000	ug/kg	UJ
Aroclor-1254										1100.000	ug/kg	J		190.000	ug/kg	J
Aroclor-1260									U	34.000	ug/kg	UJ	U	34.000	ug/kg	UJ
Chlordane																
Dieldrin									P	64.000	ug/kg	R	U	3.400	ug/kg	UJ
Endosulfan II									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
Endosulfan sulfate									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
Endosulfan-I									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
Endrin									P	83.000	ug/kg	R	U	3.400	ug/kg	UJ
Endrin aldehyde									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
Endrin ketone									U	3.400	ug/kg	UJ	U	3.400	ug/kg	UJ
Heptachlor									P	26.000	ug/kg	R	U	1.700	ug/kg	UJ
Heptachlor epoxide									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
Methoxychlor									U	17.000	ug/kg	UJ	U	17.000	ug/kg	UJ
Toxaphene									U	170.000	ug/kg	UJ	U	170.000	ug/kg	UJ
alpha-BHC									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
alpha-Chlordane									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
beta-BHC									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
delta-BHC									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)									P	7.200	ug/kg	R	U	1.700	ug/kg	UJ
gamma-Chlordane									U	1.700	ug/kg	UJ	U	1.700	ug/kg	UJ

000651

2123

Material:	CONCRETE CORE
Depth:	1-6"
Process Area:	3
Sample:	39A-026A

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	UJ
4,4'-DDE	U	3.400	ug/kg	UJ
4,4'-DDT	U	3.400	ug/kg	UJ
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	UJ
Aroclor-1221	U	68.000	ug/kg	UJ
Aroclor-1232	U	34.000	ug/kg	UJ
Aroclor-1242	U	34.000	ug/kg	UJ
Aroclor-1248	U	34.000	ug/kg	UJ
Aroclor-1254		610.000	ug/kg	J
Aroclor-1260	U	34.000	ug/kg	UJ
Chlordane				
Dieldrin	U	3.400	ug/kg	UJ
Endosulfan II	U	3.400	ug/kg	UJ
Endosulfan sulfate	U	3.400	ug/kg	UJ
Endosulfan-I	U	1.700	ug/kg	UJ
Endrin	U	3.400	ug/kg	UJ
Endrin aldehyde	U	3.400	ug/kg	UJ
Endrin ketone	U	3.400	ug/kg	UJ
Heptachlor	U	1.700	ug/kg	UJ
Heptachlor epoxide	U	1.700	ug/kg	UJ
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	UJ
alpha-BHC	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	UJ
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	UJ
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane	U	1.700	ug/kg	UJ

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant I
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	39D-007

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

000653

2123

Appendix L.2 - Major Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant I
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	39D-007

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	39D-007

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016	U	34.000	ug/kg	U
Aroclor-1221	U	34.000	ug/kg	U
Aroclor-1232	U	34.000	ug/kg	U
Aroclor-1242	U	34.000	ug/kg	U
Aroclor-1248		1700.000	ug/kg	-
Aroclor-1254		3200.000	ug/kg	-
Aroclor-1260		1600.000	ug/kg	-
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.2 - Major Media
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	62-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
emivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	62-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	62-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.400	ug/kg	UJ
4,4'-DDE	U	3.400	ug/kg	UJ
4,4'-DDT	U	3.400	ug/kg	U
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	34.000	ug/kg	U
Aroclor-1221	U	67.000	ug/kg	U
Aroclor-1232	U	34.000	ug/kg	U
Aroclor-1242	U	34.000	ug/kg	U
Aroclor-1248	U	34.000	ug/kg	U
Aroclor-1254	U	34.000	ug/kg	U
Aroclor-1260	U	34.000	ug/kg	U
Chlordane				
Dieldrin	U	3.400	ug/kg	UJ
Endosulfan II	U	3.400	ug/kg	U
Endosulfan sulfate	U	3.400	ug/kg	U
Endosulfan-I	U	1.700	ug/kg	U
Endrin	U	3.400	ug/kg	U
Endrin aldehyde	U	3.400	ug/kg	U
Endrin ketone	U	3.400	ug/kg	U
Heptachlor	U	1.700	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	U
alpha-Chlordane		71.000	ug/kg	-
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	U
gamma-BHC (Lindane)	U	1.700	ug/kg	UJ
gamma-Chlordane		76.000	ug/kg	-

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74S-002

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				
2,4,6-Trichlorophenol				

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS
Depth:	0-.5"
Process Area:	1
Sample:	74S-002

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				

0095000

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS			
Depth:	0-.5"			
Process Area:	1			
Sample:	74S-002			
	LQ	RESULT	UNITS	VQ
Nitrobenzene				
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
m-Methylphenol				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	3.500	ug/kg	U
4,4'-DDE	U	3.500	ug/kg	U
4,4'-DDT	U	3.500	ug/kg	U
Aldrin	U	1.700	ug/kg	UJ
Aroclor-1016	U	35.000	ug/kg	U
Aroclor-1221	U	69.000	ug/kg	U
Aroclor-1232	U	35.000	ug/kg	U
Aroclor-1242	U	35.000	ug/kg	U
Aroclor-1248	U	35.000	ug/kg	U
Aroclor-1254	U	35.000	ug/kg	U
Aroclor-1260	U	35.000	ug/kg	U
Chlordane				
Dieldrin	U	3.500	ug/kg	U
Endosulfan II	U	3.500	ug/kg	U
Endosulfan sulfate	U	3.500	ug/kg	U
Endosulfan-I	U	1.700	ug/kg	U
Endrin	U	3.500	ug/kg	U
Endrin aldehyde	U	3.500	ug/kg	U
Endrin ketone	U	3.500	ug/kg	U
Heptachlor	U	1.700	ug/kg	U
Heptachlor epoxide	U	1.700	ug/kg	U
Methoxychlor	U	17.000	ug/kg	UJ
Toxaphene	U	170.000	ug/kg	U
alpha-BHC	U	1.700	ug/kg	UJ
alpha-Chlordane	U	1.700	ug/kg	U
beta-BHC	U	1.700	ug/kg	UJ
delta-BHC	U	1.700	ug/kg	U
gamma-BHC (Lindane)	U	1.700	ug/kg	U
gamma-Chlordane	U	1.700	ug/kg	U

000691

8212

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74T-003A				74T-003A(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	0.0500	mg/L	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
2-Butanone	U	10.00	ug/kg	U	U	0.0500	mg/L	UJ
2-Hexanone	U	10.00	ug/kg	U	U	0.0500	mg/L	U
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Acetone	B	14.00	ug/kg	U	B	0.0530	mg/L	R
Benzene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Bromodichloromethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Bromoform	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Bromomethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Carbon disulfide	U	10.00	ug/kg	UJ	U	0.0500	mg/L	U
Chlorobenzene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Chloroethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Chloroform	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Chloromethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Dibromochloromethane	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Ethylbenzene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Methylene chloride	BJ	10.00	ug/kg	U	J	0.0500	mg/L	U
Styrene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Tetrachloroethene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Toluene		19.00	ug/kg	-	U	0.0500	mg/L	U
Trichloroethene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/kg	U	U	0.0500	mg/L	U
Xylenes, Total	U	10.00	ug/kg	U	U	0.0500	mg/L	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	0.0500	mg/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/kg	UJ	U	0.0500	mg/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
1,2-Dichlorobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
1,3-Dichlorobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
1,4-Dichlorobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2,2-oxybis(1-Chloropropane)	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2,4,5-Trichlorophenol	U	26000.00	ug/kg	R	U	0.0250	mg/L	U
2,4,6-Trichlorophenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U

000392

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads; Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74T-003A				74T-003A(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
2,4-Dimethylphenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
2,4-Dinitrophenol	U	26000.00	ug/kg	R	U	0.0250	mg/L	U
2,4-Dinitrotoluene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2,6-Dinitrotoluene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2-Chloronaphthalene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2-Chlorophenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
2-Methylnaphthalene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
2-Nitroaniline	U	26000.00	ug/kg	U	U	0.0250	mg/L	U
2-Nitrophenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
3,3'-Dichlorobenzidine	U	560.00	ug/kg	UJ	U	0.0100	mg/L	UJ
3-Nitroaniline	U	26000.00	ug/kg	U	U	0.0250	mg/L	U
4,6-Dinitro-2-methylphenol	U	26000.00	ug/kg	R	U	0.0250	mg/L	U
4-Bromophenyl phenyl ether	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
4-Chloro-3-methylphenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
4-Chlorophenylphenyl ether	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
4-Nitroaniline	U	26000.00	ug/kg	U	U	0.0250	mg/L	U
4-Nitrophenol	U	26000.00	ug/kg	R	U	0.0250	mg/L	U
Acenaphthene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Acenaphthylene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Anthracene	U	560.00	ug/kg	U	U	0.0100	mg/L	U
Benzo(a)anthracene	J	52.00	ug/kg	J	U	0.0100	mg/L	U
Benzo(a)pyrene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Benzo(b)fluoranthene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Benzo(g,h,i)perylene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Benzo(k)fluoranthene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Butyl benzyl phthalate	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Carbazole	U	560.00	ug/kg	U	U	0.0100	mg/L	U
Chrysene	J	83.00	ug/kg	J	U	0.0100	mg/L	U
Di-n-butyl phthalate	J	58.00	ug/kg	J	U	0.0100	mg/L	U
Di-n-octyl phthalate	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Dibenzo(a,h)anthracene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Dibenzofuran	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Diethyl phthalate	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Dimethyl phthalate	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Fluoranthene	J	220.00	ug/kg	J	U	0.0100	mg/L	U
Fluorene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Hexachlorobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Hexachlorobutadiene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Hexachlorocyclopentadiene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Hexachloroethane	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Indeno(1,2,3-cd)pyrene	U	560.00	ug/kg	UJ	U	0.0100	mg/L	U
Isophorone	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
N-Nitroso-di-n-propylamine	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
N-Nitrosodiphenylamine	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Naphthalene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U

000563

2 1 2 3

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	CONCRETE CHIPS				CONCRETE CHIPS			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	74T-003A				74T-003A(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
Pentachlorophenol	U	26000.00	ug/kg	R	J	0.0010	mg/L	J
Phenanthrene	J	420.00	ug/kg	J	J	0.0020	mg/L	J
Phenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
Pyrene	J	230.00	ug/kg	J	U	0.0100	mg/L	U
Pyridine								
bis(2-Chloroethoxy)methane	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
bis(2-Chloroethyl)ether	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	BJ	560.00	ug/kg	UJ	BJ	0.0100	mg/L	U
m-Methylphenol								
o-Methylphenol	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
p-Chloroaniline	U	10000.00	ug/kg	U	U	0.0100	mg/L	U
p-Methylphenol (Cresol)	U	10000.00	ug/kg	R	U	0.0100	mg/L	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

000584

Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Organics

Material:	ASPHALT				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	G02-001				G02-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
2-Butanone	J	4.00	ug/kg	J	U	10.00	ug/kg	U
2-Hexanone	U	10.00	ug/kg	U	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Acetone		11.00	ug/kg	R	J	10.00	ug/kg	R
Benzene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloroethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloroform	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Methylene chloride	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Styrene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Tetrachloroethene		13.00	ug/kg	U		10.00	ug/kg	U
Toluene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Trichloroethene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/kg	U	U	10.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
1,2-Dichlorobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
1,3-Dichlorobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
1,4-Dichlorobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2,4,5-Trichlorophenol	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
2,4,6-Trichlorophenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U

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Appendix L.2 - Major Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Organics

Material:	ASPHALT				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	G02-001				G02-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2,4-Dimethylphenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2,4-Dinitrophenol	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
2,4-Dinitrotoluene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2,6-Dinitrotoluene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2-Chloronaphthalene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2-Chlorophenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
2-Methylnaphthalene	J	170.00	ug/kg	J	J	130.00	ug/kg	J
2-Nitroaniline	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
2-Nitrophenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
3,3'-Dichlorobenzidine	U	2100.00	ug/kg	R	U	2100.00	ug/kg	R
3-Nitroaniline	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
4-Bromophenyl phenyl ether	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
4-Chloro-3-methylphenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
4-Chlorophenylphenyl ether	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
4-Nitroaniline	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
4-Nitrophenol	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
Acenaphthene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Acenaphthylene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Anthracene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Benzo(a)anthracene	J	190.00	ug/kg	J	J	140.00	ug/kg	J
Benzo(a)pyrene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Benzo(b)fluoranthene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Benzo(g,h,i)perylene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Benzo(k)fluoranthene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Butyl benzyl phthalate	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Carbazole	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Chrysene	J	410.00	ug/kg	J	J	280.00	ug/kg	J
Di-n-butyl phthalate	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Di-n-octyl phthalate	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Dibenzo(a,h)anthracene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Dibenzofuran	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Diethyl phthalate	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Dimethyl phthalate	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Fluoranthene	J	520.00	ug/kg	J	J	330.00	ug/kg	J
Fluorene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Hexachlorobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Hexachlorobutadiene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Hexachlorocyclopentadiene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Hexachloroethane	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Isophorone	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
N-Nitrosodiphenylamine	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Naphthalene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U

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Material:	ASPHALT				ASPHALT			
Depth:	0-.5"				0-.5"			
Process Area:	1				1			
Sample:	G02-001				G02-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Pentachlorophenol	U	5200.00	ug/kg	U	U	5200.00	ug/kg	U
Phenanthrene	J	470.00	ug/kg	J	J	450.00	ug/kg	J
Phenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Pyrene	J	380.00	ug/kg	J	J	300.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
bis(2-Chloroethyl)ether	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	2100.00	ug/kg	U	JB	2100.00	ug/kg	U
m-Methylphenol								
o-Methylphenol	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
p-Chloroaniline	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
p-Methylphenol (Cresol)	U	2100.00	ug/kg	U	U	2100.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
4,4'-DDE	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
4,4'-DDT	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Aldrin	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
Aroclor-1016	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Aroclor-1221	U	65.000	ug/kg	U	U	650.000	ug/kg	UJ
Aroclor-1232	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Aroclor-1242	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Aroclor-1248	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Aroclor-1254	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Aroclor-1260	U	32.000	ug/kg	U	U	320.000	ug/kg	UJ
Chlordane								
Dieldrin	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Endosulfan II	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Endosulfan sulfate	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Endosulfan-I	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
Endrin	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Endrin aldehyde	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Endrin ketone	U	3.200	ug/kg	UJ	U	32.000	ug/kg	UJ
Heptachlor	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
Heptachlor epoxide	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
Methoxychlor	U	16.000	ug/kg	UJ	U	160.000	ug/kg	UJ
Toxaphene	U	160.000	ug/kg	U	U	1600.000	ug/kg	UJ
alpha-BHC	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
alpha-Chlordane	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
beta-BHC	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
delta-BHC	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
gamma-BHC (Lindane)	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ
gamma-Chlordane	U	1.600	ug/kg	UJ	U	16.000	ug/kg	UJ

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L.3 DATA FOR SUPPLEMENTAL MEDIA

An additional 236 samples were collected from supplemental media in OU3 components and were used to support sampling results discussed in Section 2.3.2.1. These data were not intended to support the final action decisions but instead (1) to interpret and/or validate major media data, (2) to confirm assumptions of area use and contamination, or (3) to address specific data needs. The samples discussed below are divided into three categories: air particulates, loose media, and unknown liquid samples. All analytical results and validation qualifiers for these additional data are found in this appendix. A discussion of laboratory qualifiers, units, etc. can be found at the beginning of this appendix.

Air Particulate

Heating, Ventilating, and Air Conditioning Equipment (HVAC). Four samples collected from filter material from air filtration units were sampled within the following administrative buildings: the Administration building (14A), the Rust Engineering building (45A), the Services building (11), and the Security building (28A). Each filter was analyzed for radiological contaminants at ASL D and the filter from component 45A was also analyzed for metals. Analysis of air filters allowed identification of airborne particulate contaminants collected on the filter since the time the filter was installed. The information obtained from analysis of filter media supported a general evaluation of contamination throughout the component and provided a check on the types of contaminants observed in the component.

Loose Media

A total of 137 samples were collected from the following types of collection areas.

Contaminant Collection Points and Loose Solids. For purposes of this report, collection points are defined as sumps, pits, ditches, or runoff points containing unknown solids. Loose solids generally refer to granular or particulate material, either containerized or randomly accumulated in a component, with variable moisture content. Sample points were determined during preliminary inspections of the components in 1992 and visually confirmed during the RI/FS characterization. The unknown material was sampled when sufficient quantities were present to support chemical and/or radiological analyses.

The various media in this category were sampled using several OU3 RI/FS standard collection procedures, including the use of scoops and dredges. A total of 45 samples of this type were collected and analyzed at ASL D for Target Compound List (TCL) volatile organics, TCL semi-volatile organics, Target Analyte List (TAL) inorganics, and radionuclides.

Soil Piles. Seven soil and debris piles in OU3 were sampled using both systematic (grids) methods for large piles and random sampling methods for the smaller (<20 feet longest dimension) piles. A total of 59 samples were collected. Core samples were collected from the soil piles and screened to determine radiological and chemical "hot spots." A single sample for each analytical fraction (TCL volatile organics, TCL semi-volatile organics, PCBs, TAL inorganics, and radionuclides) was collected from each pile except the Third Street Pile and the pile between Railroad Tracks 6 and 9, which were designated for multiple analytical samples due to their size. For piles with a sufficient flat surface area, sample screening locations were established by applying a 10 ft. x 10 ft., 20 ft. x 20 ft., or 40 ft. x 40 ft. grid across the pile. The collection of soil core samples and subsequent screening were performed at each intersection point within the grid. Core samples were collected from surface depth to a three-foot depth (five feet deep for the Third Street Pile), when practical, for screening with a radiation survey meter, an x-ray fluorescent instrument, and PCB assay kits. A photoionization detector was used to monitor for organic vapors in the borehole. For each soil pile, the core sample interval indicating the highest contamination level for each screening instrument/method was selected for laboratory analysis at ASL D.

Wood. Two wood samples were collected from the electrical panels/transformers (16C) and the Utility Shed of Rust Trailers (45B) and were analyzed for TAL inorganics, TCL volatile organics, TCL semi-volatile organics, and radionuclides.

Sediment/Sludge. Thirty sediment samples and one sludge sample were collected from 15 components, including several from the Ponds and Basins component category. These samples were analyzed for TAL inorganics, TCL volatile organics, TCL semi-volatile organics, and radionuclides.

Liquid

A total of 97 samples were collected from the following types of collection areas.

Containerized and Collection Point Liquids. Seventy-two liquid samples were collected from components with significant liquid quantities in tanks or from other containers which had not been

completely characterized through other site programs. All samples were collected via existing transfer or drain valves, or by using a Coliwasa sampler or teflon bailer. All liquids were analyzed for TCL volatile organics, TCL semi-volatile organics, TAL inorganics, and radionuclides at ASL D. Sampling of unknown liquids was performed to support the characterization of the major media discussed in Section 2.3.2.1 and the originally planned Baseline Risk Assessment.

Ponds and Basins. Sampled components in this category include the Biodenitrification (BDN) Surge Lagoon (18A), the Coal Pile Runoff Basin (18C), the Storm Water Retention Basin (18E), the Low Nitrate Tank (18K), the High Nitrate Tank (18L), the Sludge Drying Beds (25F), and the Primary Settling Basin (25G). The sampling objectives are the same as stated for the liquids above.

Twenty-six water samples and 23 sediment samples (already discussed under Loose Media) were collected from these components and analyzed for TCL volatile organics, TCL semi-volatile organics, TAL inorganics, and radionuclides at ASL D. The majority of sampling was performed in the BDN Surge Lagoon where 13 liquids and 7 sediments were collected from several randomly generated sample points.

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	6
Sample:	1A-028

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.48		R	pCi/L
Cesium-137	2.70	+/- 1.6	J	pCi/L
Lead-210	20.00	+/- 8.2	J	pCi/L
Neptunium-237	-.22	+/- .5986	UJ	pCi/L
Plutonium-238	.40		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.20	+/- .2	J	pCi/L
Plutonium-241			NV	pCi/L
Polonium-210	3.60	+/- 4.3	R	pCi/L
Radium-226	8.10	+/- 1.4	-	pCi/L
Radium-228	3.10	+/- 2	J	pCi/L
Strontium-90	2.20		UJ	pCi/L
Technetium-99	578.00	+/- 99.1	-	pCi/L
Thorium-227				
Thorium-228	.48	+/- .322	J	pCi/L
Thorium-230	-.65	+/- .63	UJ	pCi/L
Thorium-232	.26	+/- .1593	J	pCi/L
Uranium, Total	2490.00	+/- 253	-	ug/L
Uranium-233/234				
Uranium-234	26.05	+/- 4.325	J	pCi/L
Uranium-235				
Uranium-235/236	1.98	+/- .5579	J	pCi/L
Uranium-236				
Uranium-238	25.28	+/- 4.204	J	pCi/L

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				3				4			
Sample:	2A-012				2A-035				2A-046			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.16	+/- .084	J	pCi/L	28.00	+/- 4.5	J	pCi/L	7.10	+/- 1.1	J	pCi/g
Cesium-137	4.70		UJ	pCi/L	4.45	+/- 3.9	J	pCi/L	6.08	+/- .33	J	pCi/g
Lead-210	7.02	+/- 4.8	J	pCi/L	873.00	+/- 60	J	pCi/L	5.06	+/- .54	J	pCi/g
Neptunium-237	.87		NV	pCi/L	1.86		NV	pCi/L	6.03	+/- 1.3	J	pCi/g
Plutonium-238	.04	+/- .05	J	pCi/L	7.14	+/- .87	J	pCi/L	17.80	+/- 1.4	-	pCi/g
Plutonium-239												
Plutonium-239/240	.17	+/- .091	J	pCi/L	81.30	+/- 7.2	J	pCi/L	61.50	+/- 4.5	-	pCi/g
Plutonium-241	.35		NV	pCi/L					289.00	+/- 30	J	pCi/g
Polonium-210	4.61	+/- 1.3	-	pCi/L	3.10		UJ	pCi/L	2.56	+/- 1.2	-	pCi/g
Radium-226	8.70	+/- 1.2	-	pCi/L	561.00	+/- 77	-	pCi/L	3.03	+/- .48	J	pCi/g
Radium-228	22.30	+/- 4.2	-	pCi/L	91.80	+/- 14	-	pCi/L	3.59	+/- 1.4	J	pCi/g
Strontium-90	1.40		UJ	pCi/L	8.78	+/- 1.9	-	pCi/L	3.23	+/- .69	J	pCi/g
Technetium-99	404.00	+/- 130	J	pCi/L	4670.00	+/- 1500	J	pCi/L	727.00	+/- 140	J	pCi/g
Thorium-227												
Thorium-228	.25	+/- .16	J	pCi/L	132.00	+/- 30	J	pCi/L	65.90	+/- 13	J	pCi/g
Thorium-230	14.20	+/- 2.9	J	pCi/L	30700.00	+/- 5600	J	pCi/L	170.00	+/- 32	J	pCi/g
Thorium-232	.20	+/- .1	J	pCi/L	105.00	+/- 25	J	pCi/L	39.00	+/- 7.8	J	pCi/g
Uranium, Total	2260.00	+/- 30	J	ug/L	105000.00	+/- 1500	J	ug/L	78000.00	+/- 1900	-	ug/g
Uranium-233/234	1370.00	+/- 260	J	pCi/L	50000.00	+/- 9700	J	pCi/L				
Uranium-234									28700.00	+/- 5300	J	pCi/g
Uranium-235												
Uranium-235/236	70.00	+/- 17	J	pCi/L	2220.00	+/- 640	J	pCi/L	1650.00	+/- 310	J	pCi/g
Uranium-236												
Uranium-238	1110.00	+/- 210	J	pCi/L	38700.00	+/- 7600	J	pCi/L	17200.00	+/- 3200	J	pCi/g

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	4				4			
Sample:	2A-048				2A-049 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.41	+/- .23	J	pCi/L
Cesium-137	17.20	+/- 4.3	U	pCi/L	18.50	+/- 4.1	U	pCi/L
Lead-210	149.00	+/- 12	J	pCi/L	150.00	+/- 12	J	pCi/L
Neptunium-237	5.91	+/- 1.1	J	pCi/L	.17		UJ	pCi/L
Plutonium-238	.24		UJ	pCi/L	.24		UJ	pCi/L
Plutonium-239								
Plutonium-239/240	.19	+/- .1	J	pCi/L	.12		UJ	pCi/L
Plutonium-241	265.00		NV	pCi/L	395.00		NV	pCi/L
Polonium-210	.58	+/- .45	J	pCi/L	.25		UJ	pCi/L
Radium-226	.87		UJ	pCi/L	1.11	+/- .46	J	pCi/L
Radium-228	21.90	+/- 7.9	J	pCi/L	24.70	+/- 9.9	J	pCi/L
Strontium-90	14.30	+/- 5.6	J	pCi/L	9.90		UJ	pCi/L
Technetium-99	4910.00	+/- 1700	J	pCi/L	3150.00	+/- 1100	J	pCi/L
Thorium-227								
Thorium-228	7.70	+/- 1.6	J	pCi/L	11.90	+/- 2.3	J	pCi/L
Thorium-230	.69	+/- .32	J	pCi/L	2.08	+/- .56	J	pCi/L
Thorium-232	.21	+/- .18	J	pCi/L	1.19	+/- .35	J	pCi/L
Uranium, Total	127000.00	+/- 3300	J	ug/L	88100.00	+/- 3800	J	ug/L
Uranium-233/234								
Uranium-234	58800.00	+/- 11000	J	pCi/L	70400.00	+/- 13000	J	pCi/L
Uranium-235								
Uranium-235/236	2460.00	+/- 620	J	pCi/L	3770.00	+/- 840	J	pCi/L
Uranium-236								
Uranium-238	45600.00	+/- 8700	J	pCi/L	56600.00	+/- 11000	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	2B-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.07		UJ	pCi/L
Cesium-137	4.30	+/- 2.7	J	pCi/L
Lead-210	1.80		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L
Plutonium-238	.15		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.14		UJ	pCi/L
Plutonium-241				
Polonium-210	.20		UJ	pCi/L
Radium-226	.43	+/- .27	J	pCi/L
Radium-228	.97		UJ	pCi/L
Strontium-90	.15		UJ	pCi/L
Technetium-99	70.00	+/- 20	J	pCi/L
Thorium-227				
Thorium-228	.18		UJ	pCi/L
Thorium-230	.29	+/- .19	J	pCi/L
Thorium-232	.13		UJ	pCi/L
Uranium, Total	530.00	+/- 32	-	ug/L
Uranium-233/234				
Uranium-234	230.00	+/- 3.6	J	pCi/L
Uranium-235				
Uranium-235/236	12.00	+/- .8	J	pCi/L
Uranium-236				
Uranium-238	190.00	+/- 3.2	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	2C-007				2C-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.15		UJ	pCi/L	.29	+/- .114	-	pCi/g
Cesium-137	1.90		UJ	pCi/L	.13	+/- .036	J	pCi/g
Lead-210	2.30		UJ	pCi/L	4.30	+/- .6	-	pCi/g
Neptunium-237	.05		UJ	pCi/L	.10		UJ	pCi/g
Plutonium-238	.17		UJ	pCi/L	.11	+/- .12	J	pCi/g
Plutonium-239								
Plutonium-239/240	.13		UJ	pCi/L	.66	+/- .56	J	pCi/g
Plutonium-241					3.30	+/- .55	-	pCi/g
Polonium-210	.57		UJ	pCi/L	130.00	+/- 26	-	pCi/g
Radium-226	.77	+/- .38	-	pCi/L	.95	+/- .097	J	pCi/g
Radium-228	1.30		UJ	pCi/L	1.10	+/- .4	J	pCi/g
Strontium-90	.20		UJ	pCi/L	.40		UJ	pCi/g
Technetium-99	6.90		UJ	pCi/L	7.40	+/- .98	-	pCi/g
Thorium-227								
Thorium-228	.19		UJ	pCi/L	1.60	+/- .25	J	pCi/g
Thorium-230	.18		UJ	pCi/L	23.00	+/- 2.1	J	pCi/g
Thorium-232	.15		UJ	pCi/L	1.20	+/- .19	J	pCi/g
Uranium, Total	49.00	+/- 3.1	-	ug/L	270.00	+/- 16	-	ug/g
Uranium-233/234								
Uranium-234	7.90	+/- .43	J	pCi/L	98.40	+/- 31.4	J	pCi/g
Uranium-235								
Uranium-235/236	.28	+/- .089	J	pCi/L	5.01	+/- 2.91	J	pCi/g
Uranium-236								
Uranium-238	7.80	+/- .43	J	pCi/L	94.50	+/- 30.2	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	2				3			
Sample:	2D-016				2D-023			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.40		-	pCi/L	2.00	+/- .42	J	pCi/g
Cesium-137	11.30		UJ	pCi/L	.91	+/- .23	J	pCi/g
Lead-210	18.60	+/- 3.4	J	pCi/L	86.00	+/- 7.9	-	pCi/g
Neptunium-237	.15	+/- .3748	UJ	pCi/L	15.00	+/- 1.4	J	pCi/g
Plutonium-238	.13	+/- .22	UJ	pCi/L	4.00	+/- .64	J	pCi/g
Plutonium-239								
Plutonium-239/240	.34	+/- .12	J	pCi/L	14.00	+/- 1.7	J	pCi/g
Plutonium-241					27.00	+/- 2.2	-	pCi/g
Polonium-210	.50		UJ	pCi/L	86.00	+/- 16	J	pCi/g
Radium-226	9.20	+/- 1.9	-	pCi/L	44.00	+/- .64	J	pCi/g
Radium-228	5.20	+/- 3	J	pCi/L	38.00	+/- 2.9	J	pCi/g
Strontium-90	2.10		UJ	pCi/L	140.00	+/- 28	-	pCi/g
Technetium-99	909.00	+/- 116	-	pCi/L	1500.00	+/- 220	J	pCi/g
Thorium-227								
Thorium-228	.65	+/- .33	J	pCi/L	40.00	+/- 4.2	J	pCi/g
Thorium-230	17.19	+/- 2.65	J	pCi/L	1700.00	+/- 170	J	pCi/g
Thorium-232	.71	+/- .29	J	pCi/L	22.00	+/- 2.4	J	pCi/g
Uranium, Total	5120.00	+/- 521	J	ug/L	210000.00	+/- 13000	-	ug/g
Uranium-233/234								
Uranium-234	52.92	+/- 9.13	J	pCi/L	1200.00	+/- 190	J	pCi/g
Uranium-235	7.81	+/- 1.79	J	pCi/L				
Uranium-235/236					61.00	+/- 11	J	pCi/g
Uranium-236								
Uranium-238	38.94	+/- 6.87	J	pCi/L	1300.00	+/- 210	J	pCi/g

Appendix L.3 - Supplemental Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	2H-007				2H-009				2H-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/L	.31	+/- .109	J	pCi/g	.20	+/- .1	-	pCi/g
Cesium-137	2.10		UJ	pCi/L	.26		UJ	pCi/g	1.00	+/- .5	J	pCi/g
Lead-210	25.00	+/- 5.9	J	pCi/L	16.50	+/- 4.89	-	pCi/g	93.30	+/- 14	J	pCi/g
Neptunium-237	.25	+/- .07	J	pCi/L	1.64	+/- .23	-	pCi/g	.13	+/- .0388	J	pCi/g
Plutonium-238	.18		UJ	pCi/L	.14	+/- .0362	-	pCi/g	-.48	+/- .1361	UJ	pCi/g
Plutonium-239									.42	+/- .1	J	pCi/g
Plutonium-239/240	.14		UJ	pCi/L	.97	+/- .122	-	pCi/g				
Plutonium-241					16.50	+/- 2.12	-	pCi/g				
Polonium-210	.81		UJ	pCi/L	32.70	+/- 5.12	J	pCi/g	165.00	+/- 22.3	-	pCi/g
Radium-226	.65		UJ	pCi/L	41.30	+/- 2.97	-	pCi/g	143.00	+/- 22.7	-	pCi/g
Radium-228	2.10	+/- 1.5	J	pCi/L	1.77	+/- .44	-	pCi/g	4.60	+/- .8	-	pCi/g
Strontium-90	2.40	+/- .51	J	pCi/L	1.61	+/- .212	-	pCi/g	.80	+/- .5	J	pCi/g
Technetium-99	270.00	+/- 64	J	pCi/L	87.70	+/- 7.13	-	pCi/g	6.80	+/- 2.3	J	pCi/g
Thorium-227												
Thorium-228	.15	+/- .13	J	pCi/L	837.00		UJ	pCi/g	5.00	+/- 3.57	J	pCi/g
Thorium-230	.34	+/- .17	J	pCi/L	584.00	+/- 528	J	pCi/g	553.30	+/- 323.4	J	pCi/g
Thorium-232	.11		UJ	pCi/L	342.00		UJ	pCi/g	4.78	+/- 3.26	J	pCi/g
Uranium, Total	11000.00	+/- 660	-	ug/L	60100.00	+/- 5910	-	ug/g	2460.00	+/- 349	-	ug/g
Uranium-233/234												
Uranium-234	.41		UJ	pCi/L	6510.00	+/- 678	-	pCi/g	684.70	+/- 93.01	J	pCi/g
Uranium-235									54.80	+/- 9.77	J	pCi/g
Uranium-235/236	.09	+/- .16	J	pCi/L	1590.00	+/- 227	-	pCi/g				
Uranium-236												
Uranium-238	.39		UJ	pCi/L	6280.00	+/- 651	-	pCi/g	703.10	+/- 95.36	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3D-006

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/L
Cesium-137	8.00		UJ	pCi/L
Lead-210	300.00	+/- 99	-	pCi/L
Neptunium-237	.12		UJ	pCi/L
Plutonium-238	.01		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.14	+/- .63	J	pCi/L
Plutonium-241	1.80		UJ	pCi/L
Polonium-210	.54	+/- 1	J	pCi/L
Radium-226	.85	+/- .24	-	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	.77		UJ	pCi/L
Technetium-99	14.00	+/- 11	J	pCi/L
Thorium-227				
Thorium-228	.16	+/- .6	J	pCi/L
Thorium-230	4.70	+/- .97	J	pCi/L
Thorium-232	.05	+/- .59	J	pCi/L
Uranium, Total	150.00	+/- 30	J	ug/L
Uranium-233/234				
Uranium-234	77.00	+/- 12	J	pCi/L
Uranium-235				
Uranium-235/236	9.40	+/- 2.4	J	pCi/L
Uranium-236				
Uranium-238	54.00	+/- 8.3	J	pCi/L

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3E-008				3E-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	9.40	+/- 1.8	J	pCi/L	29.00	+/- 4.5	-	pCi/L
Cesium-137	11.00		UJ	pCi/L	25.00	+/- 15	UJ	pCi/L
Lead-210	490.00		UJ	pCi/L	1200.00	+/- 770	UJ	pCi/L
Neptunium-237	1.00	+/- .32	J	pCi/L	210.00	+/- 30	J	pCi/L
Plutonium-238	.86	+/- .59	J	pCi/L	33.00	+/- 4.8	J	pCi/L
Plutonium-239								
Plutonium-239/240	12.00	+/- 2	-	pCi/L	430.00	+/- 63	J	pCi/L
Plutonium-241	18.00	+/- 5.7	UJ	pCi/L	620.00	+/- 95	J	pCi/L
Polonium-210	6.10	+/- 2.3	J	pCi/L	31.00	+/- 5.7	J	pCi/L
Radium-226	21.00	+/- 4.1	-	pCi/L	88.00	+/- 17	-	pCi/L
Radium-228	41.00	+/- 8.3	-	pCi/L	77.00	+/- 16	-	pCi/L
Strontium-90	4.80	+/- 1.1	-	pCi/L	25.00	+/- 4.6	-	pCi/L
Technetium-99	5200.00	+/- 580	-	pCi/L	47000.00	+/- 5300	-	pCi/L
Thorium-227								
Thorium-228	30.00	+/- 4.4	-	pCi/L	100.00	+/- 19	-	pCi/L
Thorium-230	220.00	+/- 32	-	pCi/L	940.00	+/- 140	-	pCi/L
Thorium-232	4.40	+/- .91	-	pCi/L	25.00	+/- 6.4	-	pCi/L
Uranium, Total	.56	+/- .08	UJ	ug/L	6000.00	+/- 1000	J	ug/L
Uranium-233/234								
Uranium-234	11000.00	+/- 1600	R	pCi/L	340000.00	+/- 50000	J	pCi/L
Uranium-235								
Uranium-235/236	6600.00	+/- 990	R	pCi/L	49000.00	+/- 7400	J	pCi/L
Uranium-236								
Uranium-238	13000.00	+/- 2000	R	pCi/L	230000.00	+/- 34000	J	pCi/L

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3F-008				3F-011 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	1.40	+/- 1.3	J	pCi/L	2.20	+/- 1.4	J	pCi/L
Cesium-137	7.80		UJ	pCi/L	7.60	+/- 5	UJ	pCi/L
Lead-210	120.00		UJ	pCi/L	120.00	+/- 120	UJ	pCi/L
Neptunium-237	.19		UJ	pCi/L	.12	+/- .1	UJ	pCi/L
Plutonium-238	1.10	+/- .63	J	pCi/L	1.20	+/- .53	J	pCi/L
Plutonium-239								
Plutonium-239/240	1.40	+/- .65	-	pCi/L	1.30	+/- .54	J	pCi/L
Plutonium-241	2.10	+/- 3.9	J	pCi/L	-4.60	+/- 3.4	UJ	pCi/L
Polonium-210	11.00	+/- 2.3	-	pCi/L	10.00	+/- 2.2	J	pCi/L
Radium-226	.87	+/- .23	-	pCi/L	.63	+/- .18	-	pCi/L
Radium-228	1.80		UJ	pCi/L	1.60	+/- 1.1	UJ	pCi/L
Strontium-90	1.30		UJ	pCi/L	1.50	+/- .85	UJ	pCi/L
Technetium-99	61.00	+/- 13	-	pCi/L	67.00	+/- 14	-	pCi/L
Thorium-227								
Thorium-228	2.10	+/- .69	-	pCi/L	1.90	+/- 2.5	R	pCi/L
Thorium-230	54.00	+/- 8	-	pCi/L	47.00	+/- 7.7	R	pCi/L
Thorium-232	2.50	+/- .73	-	pCi/L	2.90	+/- 2.5	R	pCi/L
Uranium, Total	780.00	+/- 200	-	ug/L	1300.00	+/- 300	J	ug/L
Uranium-233/234								
Uranium-234	430.00	+/- 65	J	pCi/L	460.00	+/- 81	-	pCi/L
Uranium-235								
Uranium-235/236	39.00	+/- 10	J	pCi/L	41.00	+/- 47	J	pCi/L
Uranium-236								
Uranium-238	420.00	+/- 64	J	pCi/L	460.00	+/- 81	-	pCi/L

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Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Radionuclides

Material:	LOOSE MEDIA			
Depth:				
Process Area:	1			
Sample:	3H-007			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.40	+/- .1	-	pCi/g
Cesium-137	1.40	+/- .3	-	pCi/g
Lead-210	10.40	+/- 1.6	J	pCi/g
Neptunium-237	2.38	+/- .3329	R	pCi/g
Plutonium-238	-4.91	+/- .9663	UJ	pCi/g
Plutonium-239	2.49	+/- .41	J	pCi/g
Plutonium-239/240				
Plutonium-241	.00		NV	pCi/g
Polonium-210	27.50	+/- 3.6	-	pCi/g
Radium-226	106.00	+/- 16.8	-	pCi/g
Radium-228	54.10	+/- 7.9	-	pCi/g
Strontium-90	2.30	+/- .7	-	pCi/g
Technetium-99	698.00	+/- 228	J	pCi/g
Thorium-227				
Thorium-228	90.00	+/- 43.6	J	pCi/g
Thorium-230	63.86	+/- 30.93	J	pCi/g
Thorium-232	4.04	+/- 2.3	J	pCi/g
Uranium, Total	941.00	+/- 133	-	ug/g
Uranium-233/234				
Uranium-234	334.80	+/- 63.07	J	pCi/g
Uranium-235	40.50	+/- 11.61	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	340.10	+/- 63.94	J	pCi/g

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	3J-007			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.30		UJ	pCi/L
Cesium-137	2.60		UJ	pCi/L
Lead-210	7.50	+/- 3.6	J	pCi/L
Neptunium-237	-.01	+/- .182	UJ	pCi/L
Plutonium-238	1.00		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.80	+/- .5	J	pCi/L
Plutonium-241			NV	pCi/L
Polonium-210	1.10	+/- .6	J	pCi/L
Radium-226	10.10	+/- 1.5	-	pCi/L
Radium-228	1.40		UJ	pCi/L
Strontium-90	4.00	+/- 2.6	J	pCi/L
Technetium-99	224.00	+/- 35.4	J	pCi/L
Thorium-227				
Thorium-228	1.50	+/- .6029	J	pCi/L
Thorium-230	42.49	+/- 8.419	J	pCi/L
Thorium-232	.59	+/- .3208	J	pCi/L
Uranium, Total	2750.00	+/- 281	-	ug/L
Uranium-233/234				
Uranium-234	1230.00	+/- 225.7	J	pCi/L
Uranium-235				
Uranium-235/236	523.00	+/- 105.7	J	pCi/L
Uranium-236				
Uranium-238	1139.00	+/- 209.4	J	pCi/L

Appendix L.3 - Supplemental Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3K-007

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.13		UJ	pCi/L
Cesium-137	8.00		UJ	pCi/L
Lead-210	120.00		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.13		UJ	pCi/L
Radium-226	.47	+/- .16	-	pCi/L
Radium-228	2.00		UJ	pCi/L
Strontium-90	.61		J	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07		UJ	pCi/L
Thorium-230	.33	+/- .59	J	pCi/L
Thorium-232	.06		UJ	pCi/L
Uranium, Total	250.00	+/- 50	-	ug/L
Uranium-233/234				
Uranium-234	58.00	+/- 9.7	J	pCi/L
Uranium-235				
Uranium-235/236	5.30	+/- 3.8	J	pCi/L
Uranium-236				
Uranium-238	57.00	+/- 9.4	J	pCi/L

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				3			
Sample:	4A-009				4A-011				4A-034			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.39	+/- .18	-	pCi/L	1.02	+/- .22	-	pCi/g	.11	+/- .078	J	pCi/L
Cesium-137	4.60		UJ	pCi/L	.96	+/- .14	J	pCi/g	4.40		UJ	pCi/L
Lead-210	54.60	+/- 7.4	-	pCi/L	3.61	+/- .47	J	pCi/g	6.20		UJ	pCi/L
Neptunium-237	.99		NV	pCi/L	1.69	+/- .32	J	pCi/g	.71		NV	pCi/L
Plutonium-238	.54	+/- .19	J	pCi/L	.54	+/- .14	-	pCi/g	.85	+/- .2	-	pCi/L
Plutonium-239												
Plutonium-239/240	2.64	+/- .59	J	pCi/L	3.96	+/- .49	-	pCi/g	.63	+/- .17	-	pCi/L
Plutonium-241					83.60	+/- 8.9	J	pCi/g				
Polonium-210	.58	+/- .42	J	pCi/L	1.86	+/- 1	J	pCi/g	.27		UJ	pCi/L
Radium-226	.74	+/- .23	J	pCi/L	1.98	+/- .33	J	pCi/g	.36		UJ	pCi/L
Radium-228	32.80	+/- 12	J	pCi/L	6.02	+/- 1.2	J	pCi/g	822.00	+/- 120	-	pCi/L
Strontium-90	1.40		UJ	pCi/L	.46	+/- .34	J	pCi/g	1.44	+/- 1.1	J	pCi/L
Technetium-99	2150.00	+/- 660	-	pCi/L	1480.00	+/- 290	J	pCi/g	885.00	+/- 280	J	pCi/L
Thorium-227												
Thorium-228	42.10	+/- 7.7	J	pCi/L	23.00	+/- 4.5	J	pCi/g	2.82	+/- .62	J	pCi/L
Thorium-230	4.07	+/- 1.1	J	pCi/L	44.90	+/- 8.3	J	pCi/g	5.28	+/- 1.3	J	pCi/L
Thorium-232	.95	+/- .26	J	pCi/L	16.10	+/- 3.2	J	pCi/g	.70	+/- .21	J	pCi/L
Uranium, Total	431000.00	+/- 5600	J	ug/L	153000.00	+/- 3600	-	ug/g	24900.00	+/- 320	J	ug/L
Uranium-233/234	219000.00	+/- 40000	J	pCi/L					11400.00	+/- 2900	J	pCi/L
Uranium-234					46800.00	+/- 25000	J	pCi/g				
Uranium-235												
Uranium-235/236	9480.00	+/- 2000	J	pCi/L	12900.00	+/- 7100	J	pCi/g	754.00	+/- 340	J	pCi/L
Uranium-236												
Uranium-238	156000.00	+/- 29000	J	pCi/L	62400.00	+/- 34000	J	pCi/g	10200.00	+/- 2600	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA			
Depth:				
Process Area:	3			
Sample:	4A-035			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.49	+/- .13	-	pCi/g
Cesium-137	.21		UJ	pCi/g
Lead-210	76.10	+/- 4.8	J	pCi/g
Neptunium-237	3.23	+/- .51	J	pCi/g
Plutonium-238	.39	+/- .12	J	pCi/g
Plutonium-239				
Plutonium-239/240	2.77	+/- .36	J	pCi/g
Plutonium-241	35.70	+/- 6.1	J	pCi/g
Polonium-210	.85	+/- .86	J	pCi/g
Radium-226	.72	+/- .16	J	pCi/g
Radium-228	82.70	+/- 12	J	pCi/g
Strontium-90	.43		UJ	pCi/g
Technetium-99	573.00	+/- 110	J	pCi/g
Thorium-227				
Thorium-228	7.03	+/- 1.8	J	pCi/g
Thorium-230	18.00	+/- 3.5	J	pCi/g
Thorium-232	2.26	+/- .73	J	pCi/g
Uranium, Total	20000.00	+/- 480	-	ug/g
Uranium-233/234				
Uranium-234	5970.00	+/- 1100	J	pCi/g
Uranium-235				
Uranium-235/236	368.00	+/- 81	J	pCi/g
Uranium-236				
Uranium-238	4740.00	+/- 880	J	pCi/g

000565

3212

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA			
Depth:												
Process Area:	1				2				2			
Sample:	5A-005				5A-013				5A-015			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.90	+/- .36	-	pCi/g	.59	+/- 2.5	R	pCi/g	.38	+/- .91	J	pCi/g
Cesium-137	13.00	+/- 4	-	pCi/g	1.30	+/- .85	J	pCi/g	2.80	+/- 1.1	-	pCi/g
Lead-210	9.50		U	pCi/g	9.70		U	pCi/g	8.80		U	pCi/g
Neptunium-237	.24	+/- .069	-	pCi/g	1.20	+/- .22	-	pCi/g	.45	+/- .098	-	pCi/g
Plutonium-238	.39	+/- 1.2	J	pCi/g	.32	+/- 1.2	J	pCi/g	.19	+/- 1.2	J	pCi/g
Plutonium-239												
Plutonium-239/240	3.50	+/- 1.3	-	pCi/g	1.80	+/- 1.2	J	pCi/g	1.60	+/- 1.2	J	pCi/g
Plutonium-241	3.90		UJ	pCi/g	3.70		UJ	pCi/g	6.20	+/- 3.6	J	pCi/g
Polonium-210	.84	+/- 1.2	J	pCi/g	1.30	+/- 2	J	pCi/g	3.40	+/- 1.6	J	pCi/g
Radium-226	1.40		UJ	pCi/g	10.00	+/- 2.6	-	pCi/g	1.90	+/- 1.2	J	pCi/g
Radium-228	2.60		UJ	pCi/g	6.80	+/- 2.9	-	pCi/g	2.90		UJ	pCi/g
Strontium-90	3.40	+/- .69	-	pCi/g	.26	+/- .14	J	pCi/g	.18		UJ	pCi/g
Technetium-99	68.00	+/- 10	J	pCi/g	66.00	+/- 10	J	pCi/g	36.00	+/- 5.6	J	pCi/g
Thorium-227												
Thorium-228	2.00	+/- 1.2	J	pCi/g	4.40	+/- 1.3	-	pCi/g	1.80	+/- 1.1	J	pCi/g
Thorium-230	22.00	+/- 3.6	-	pCi/g	22.00	+/- 3.6	-	pCi/g	21.00	+/- 3.4	-	pCi/g
Thorium-232	10.00	+/- 1.1	-	pCi/g	1.90	+/- 1.2	J	pCi/g	1.10	+/- 1.1	J	pCi/g
Uranium, Total	2700.00	+/- 500	-	ug/g	81000.00	+/- 20000	-	ug/g	130000.00	+/- 30000	J	ug/g
Uranium-233/234												
Uranium-234	4000.00	+/- 640	-	pCi/g	7500.00	+/- 1100	-	pCi/g	100000.00	+/- 15000	J	pCi/g
Uranium-235												
Uranium-235/236	510.00	+/- 190	-	pCi/g	960.00	+/- 220	-	pCi/g	12000.00	+/- 1500	J	pCi/g
Uranium-236												
Uranium-238	7900.00	+/- 1200	-	pCi/g	28000.00	+/- 4200	-	pCi/g	170000.00	+/- 24000	J	pCi/g

000264

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	10				10			
Sample:	5A-048				5A-049 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.49	+/- 1.4	J	pCi/g	.24	+/- 1.7	J	pCi/g
Cesium-137	3.10	+/- 1.2	-	pCi/g	3.50	+/- 1.4	-	pCi/g
Lead-210	10.00		U	pCi/g	13.00		U	pCi/g
Neptunium-237	.98	+/- .18	-	pCi/g	.60	+/- .12	-	pCi/g
Plutonium-238	.22	+/- 1.2	J	pCi/g	.59	+/- 1.2	J	pCi/g
Plutonium-239								
Plutonium-239/240	2.10	+/- 1.2	J	pCi/g	3.30	+/- 1.4	-	pCi/g
Plutonium-241	25.00	+/- 5	-	pCi/g	14.00	+/- 4	-	pCi/g
Polonium-210	2.00	+/- 1.6	J	pCi/g	2.00	+/- 1.6	J	pCi/g
Radium-226	11.00	+/- 2.7	-	pCi/g	16.00	+/- 3.8	-	pCi/g
Radium-228	4.00	+/- 2	-	pCi/g	5.10	+/- 2.9	J	pCi/g
Strontium-90	.26		UJ	pCi/g	.35	+/- .2	J	pCi/g
Technetium-99	140.00	+/- 21	J	pCi/g	110.00	+/- 17	J	pCi/g
Thorium-227								
Thorium-228	3.70	+/- 1.3	-	pCi/g	4.20	+/- 1.3	-	pCi/g
Thorium-230	35.00	+/- 5.3	-	pCi/g	37.00	+/- 5.7	-	pCi/g
Thorium-232	1.70	+/- 1.1	J	pCi/g	1.80	+/- 1.2	J	pCi/g
Uranium, Total	59000.00	+/- 10000	-	ug/g	30000.00	+/- 6000	-	ug/g
Uranium-233/234								
Uranium-234	14000.00	+/- 2100	-	pCi/g	13000.00	+/- 1900	-	pCi/g
Uranium-235								
Uranium-235/236	1200.00	+/- 240	-	pCi/g	1200.00	+/- 240	-	pCi/g
Uranium-236								
Uranium-238	32000.00	+/- 4800	-	pCi/g	29000.00	+/- 4300	-	pCi/g

000688

7173

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	6A-006				6A-007 DUP				6A-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.22	+/- 1.1	J	pCi/L	.18	+/- 1.2	J	pCi/L	.14	+/- .53	J	pCi/g
Cesium-137	13.00	+/- 7.5	UJ	pCi/L	12.00	+/- 7	UJ	pCi/L	2.10		UJ	pCi/g
Lead-210	570.00	+/- 350	UJ	pCi/L	580.00	+/- 340	UJ	pCi/L	15.00		U	pCi/g
Neptunium-237	.14	+/- .13	J	pCi/L	.16	+/- .12	J	pCi/L	13.00	+/- 2	J	pCi/g
Plutonium-238	.06	+/- .48	UJ	pCi/L	.04	+/- .49	UJ	pCi/L	2.10	+/- .41	J	pCi/g
Plutonium-239												
Plutonium-239/240	.07	+/- .48	UJ	pCi/L	.07	+/- .49	UJ	pCi/L	21.00	+/- 3	J	pCi/g
Plutonium-241	-4.40	+/- 5.2	UJ	pCi/L	-4.40	+/- 5.3	UJ	pCi/L	53.00	+/- 9.4	J	pCi/g
Polonium-210	.16	+/- 1	UJ	pCi/L	.14	+/- .91	UJ	pCi/L	1.30	+/- .96	J	pCi/g
Radium-226	.24	+/- .12	-	pCi/L	.32	+/- .13	-	pCi/L	3.70		R	pCi/g
Radium-228	2.00	+/- 1.3	UJ	pCi/L	2.80	+/- 1.6	J	pCi/L	6.50		R	pCi/g
Strontium-90	3.60	+/- .97	J	pCi/L	.83	+/- .55	J	pCi/L	.08	+/- .052	J	pCi/g
Technetium-99	530.00	+/- 62	-	pCi/L	520.00	+/- 60	-	pCi/L	13000.00	+/- 1500	J	pCi/g
Thorium-227												
Thorium-228	1.20	+/- .68	J	pCi/L	1.20	+/- .68	J	pCi/L	72.00	+/- 280	J	pCi/g
Thorium-230	.20	+/- .65	J	pCi/L	.45	+/- .66	J	pCi/L	230.00	+/- 290	J	pCi/g
Thorium-232	.04	+/- .63	UJ	pCi/L	.07	+/- .64	UJ	pCi/L	21.00		UJ	pCi/g
Uranium, Total	4400.00	+/- 900	J	ug/L	3500.00	+/- 700	J	ug/L	520000.00	+/- 100000	-	ug/g
Uranium-233/234												
Uranium-234	53000.00	+/- 7800	-	pCi/L	56000.00	+/- 8200	-	pCi/L	210000.00	+/- 31000	J	pCi/g
Uranium-235												
Uranium-235/236	3700.00	+/- 760	-	pCi/L	4200.00	+/- 820	-	pCi/L	27000.00	+/- 5800	J	pCi/g
Uranium-236												
Uranium-238	54000.00	+/- 8000	-	pCi/L	57000.00	+/- 8400	-	pCi/L	180000.00	+/- 27000	J	pCi/g

000689

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	2
Sample:	6A-019

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.27	+/- 1.1	J	pCi/L
Cesium-137	19.00		UJ	pCi/L
Lead-210	990.00		UJ	pCi/L
Neptunium-237	.12		UJ	pCi/L
Plutonium-238	.06		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.08		UJ	pCi/L
Plutonium-241	-44.00	+/- 5.3	UJ	pCi/L
Polonium-210	.21		UJ	pCi/L
Radium-226	.15	+/- .099	J	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	2.30	+/- .69	-	pCi/L
Technetium-99	530.00	+/- 61	-	pCi/L
Thorium-227				
Thorium-228	1.90	+/- 1.1	J	pCi/L
Thorium-230	1.20	+/- 1.1	J	pCi/L
Thorium-232	.11		UJ	pCi/L
Uranium, Total	14000.00	+/- 3000	J	ug/L
Uranium-233/234				
Uranium-234	150000.00	+/- 22000	-	pCi/L
Uranium-235				
Uranium-235/236	11000.00	+/- 2400	-	pCi/L
Uranium-236				
Uranium-238	150000.00	+/- 23000	-	pCi/L

Appendix L.3 - Supplemental Media
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage Area
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	6B-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.70		UJ	pCi/L
Cesium-137	2.40		UJ	pCi/L
Lead-210	1.60	+/- 2.2	R	pCi/L
Neptunium-237	-.03	+/- .1603	UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.70		UJ	pCi/L
Plutonium-241			NV	pCi/L
Polonium-210	1.40		UJ	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	86.40	+/- 19.4	J	pCi/L
Thorium-227				
Thorium-228	-.41	+/- .5706	UJ	pCi/L
Thorium-230	.50	+/- .4952	UJ	pCi/L
Thorium-232	-.11	+/- .1697	UJ	pCi/L
Uranium, Total	1790.00	+/- 183	-	ug/L
Uranium-233/234				
Uranium-234	445.20	+/- 82.2	J	pCi/L
Uranium-235				
Uranium-235/236	91.22	+/- 25.44	J	pCi/L
Uranium-236				
Uranium-238	778.60	+/- 134.1	J	pCi/L

000634

Appendix L.3 - Supplemental Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Precipitator (Central)
Analytical Results - Radionuclides

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	6D-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20	+/- .1	-	pCi/g
Cesium-137	.20		UJ	pCi/g
Lead-210	40.70	+/- 6.2	J	pCi/g
Neptunium-237	.05	+/- .4618	UJ	pCi/g
Plutonium-238	-.12	+/- .1149	UJ	pCi/g
Plutonium-239	.51	+/- .12	J	pCi/g
Plutonium-239/240				
Plutonium-241	.00		NV	pCi/g
Polonium-210	86.80	+/- 11.2	-	pCi/g
Radium-226	3.30	+/- .6	-	pCi/g
Radium-228	1.30	+/- .4	J	pCi/g
Strontium-90	1.30		UJ	pCi/g
Technetium-99	7.00	+/- 2.4	J	pCi/g
Thorium-227				
Thorium-228	1.98	+/- .37	J	pCi/g
Thorium-230	11.97	+/- 1.85	J	pCi/g
Thorium-232	1.43	+/- .26	J	pCi/g
Uranium, Total	2230.00	+/- 316	-	ug/g
Uranium-233/234				
Uranium-234	799.80	+/- 165.7	J	pCi/g
Uranium-235	131.60	+/- 37.45	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	1251.00	+/- 250.4	J	pCi/g

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	6F-010			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/L
Cesium-137	1.80	+/- 1.7	J	pCi/L
Lead-210	174.00	+/- 26.4	J	pCi/L
Neptunium-237	.10	+/- .1455	UJ	pCi/L
Plutonium-238	.30		R	pCi/L
Plutonium-239				
Plutonium-239/240	.10		R	pCi/L
Plutonium-241				
Polonium-210	.30		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	1.90		UJ	pCi/L
Technetium-99	4280.00	+/- 475	-	pCi/L
Thorium-227				
Thorium-228	.58	+/- .38	J	pCi/L
Thorium-230	1.16	+/- .74	J	pCi/L
Thorium-232	.04	+/- .38	UJ	pCi/L
Uranium, Total	25900.00	+/- 2440	J	ug/L
Uranium-233/234				
Uranium-234	1940.00	+/- 461	R	pCi/L
Uranium-235				
Uranium-235/236	163.00	+/- 104	R	pCi/L
Uranium-236				
Uranium-238	10200.00	+/- 1870	R	pCi/L

253000

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				LOOSE MEDIA			
Depth:												
Process Area:	5				5				7			
Sample:	8A-032				8A-034				8A-044A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/L	.53	+/- .39	J	pCi/g	83.00	+/- 12	J	pCi/g
Cesium-137	7.50		UJ	pCi/L	7.30	+/- 2.3	-	pCi/g	3.50	+/- 1.2	-	pCi/g
Lead-210	240.00	+/- 99	-	pCi/L	12.00	+/- 5.6	J	pCi/g	8.90		UJ	pCi/g
Neptunium-237	.20		UJ	pCi/L	6.60	+/- 1	J	pCi/g	13.00	+/- 2	J	pCi/g
Plutonium-238	.03		UJ	pCi/L	3.10	+/- .56	J	pCi/g	5.40	+/- .86	J	pCi/g
Plutonium-239												
Plutonium-239/240	.06		UJ	pCi/L	26.00	+/- 3.8	J	pCi/g	69.00	+/- 10	J	pCi/g
Plutonium-241					32.00	+/- 6.3	J	pCi/g	75.00	+/- 13	J	pCi/g
Polonium-210	.21		UJ	pCi/L	25.00	+/- 4.6	J	pCi/g	21.00	+/- 3.8	J	pCi/g
Radium-226	.17	+/- .11	J	pCi/L	5.00	+/- 1.4	R	pCi/g	64.00	+/- 14	R	pCi/g
Radium-228	1.50		UJ	pCi/L	20.00	+/- 5	R	pCi/g	78.00	+/- 18	R	pCi/g
Strontium-90	.67		UJ	pCi/L	.11	+/- .036	J	pCi/g	.18	+/- .053	J	pCi/g
Technetium-99	1200.00	+/- 140	-	pCi/L	6500.00	+/- 730	J	pCi/g	5000.00	+/- 560	J	pCi/g
Thorium-227												
Thorium-228	.08		UJ	pCi/L	32.00	+/- 12	J	pCi/g	80.00	+/- 58	J	pCi/g
Thorium-230	.49	+/- .59	J	pCi/L	580.00	+/- 87	J	pCi/g	3700.00	+/- 550	J	pCi/g
Thorium-232	.05		UJ	pCi/L	25.00	+/- 12	J	pCi/g	55.00	+/- 57	J	pCi/g
Uranium, Total	1700.00	+/- 300	-	ug/L	21000.00	+/- 4000	-	ug/g	12000.00	+/- 2000	-	ug/g
Uranium-233/234												
Uranium-234	12.00	+/- 35	J	pCi/L	3100.00	+/- 480	J	pCi/g	9400.00	+/- 1800	J	pCi/g
Uranium-235												
Uranium-235/236	5.10		UJ	pCi/L	420.00	+/- 170	J	pCi/g	970.00	+/- 1300	J	pCi/g
Uranium-236												
Uranium-238	85.00	+/- 39	J	pCi/L	2300.00	+/- 380	J	pCi/g	7600.00	+/- 1600	J	pCi/g

000634

7173

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	13				13				16			
Sample:	8A-088				8A-090				8A-101A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.63	+/- .35	J	pCi/g	.13		UJ	pCi/L	1.60	+/- .49	J	pCi/g
Cesium-137	.90	+/- .41	J	pCi/g	6.70		UJ	pCi/L	.85	+/- .32	-	pCi/g
Lead-210	7.10	+/- 4.3	J	pCi/g	110.00		UJ	pCi/L	36.00	+/- 8.1	-	pCi/g
Neptunium-237	7.90	+/- 1.2	J	pCi/g	.20		UJ	pCi/L	5.50	+/- .87	J	pCi/g
Plutonium-238	2.90	+/- .52	J	pCi/g	.05		UJ	pCi/L	2.70	+/- .5	J	pCi/g
Plutonium-239												
Plutonium-239/240	24.00	+/- 3.5	J	pCi/g	.07		UJ	pCi/L	5.40	+/- .86	J	pCi/g
Plutonium-241	25.00	+/- 5.3	-	pCi/g					8.10	+/- 3.1	J	pCi/g
Polonium-210	14.00	+/- 2.7	J	pCi/g	.19		UJ	pCi/L	39.00	+/- 6.9	J	pCi/g
Radium-226	68.00	+/- 15	R	pCi/g	.13	+/- .096	J	pCi/L	58.00	+/- 13	R	pCi/g
Radium-228	61.00	+/- 14	R	pCi/g	1.60		UJ	pCi/L	28.00	+/- 6.6	R	pCi/g
Strontium-90	.06	+/- .039	UJ	pCi/g	.87		UJ	pCi/L	.04		J	pCi/g
Technetium-99	9800.00	+/- 1100	J	pCi/g	12.00		UJ	pCi/L	2200.00	+/- 250	J	pCi/g
Thorium-227												
Thorium-228	68.00	+/- 57	J	pCi/g	.08		UJ	pCi/L	56.00	+/- 10	J	pCi/g
Thorium-230	720.00	+/- 120	J	pCi/g	.23	+/- .6	J	pCi/L	260.00	+/- 39	J	pCi/g
Thorium-232	37.00	+/- 56	J	pCi/g	.06		UJ	pCi/L	46.00	+/- 9.3	J	pCi/g
Uranium, Total	20000.00	+/- 4000	-	ug/g	1.20	+/- .2	UJ	ug/L	4500.00	+/- 900	-	ug/g
Uranium-233/234												
Uranium-234	22000.00	+/- 3400	J	pCi/g	.18		UJ	pCi/L	1900.00	+/- 300	J	pCi/g
Uranium-235												
Uranium-235/236	2900.00	+/- 950	J	pCi/g	.09		UJ	pCi/L	280.00	+/- 97	J	pCi/g
Uranium-236												
Uranium-238	37000.00	+/- 5500	J	pCi/g	.14		UJ	pCi/L	1700.00	+/- 270	J	pCi/g

000365

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:												
Process Area:	1				2				3			
Sample:	9A-007				9A-012				9A-020			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.38	+/- .28	J	pCi/g	9.90	+/- 1.7	-	pCi/g	.61	+/- 1.6	J	pCi/L
Cesium-137	.99		UJ	pCi/g	7.30		UJ	pCi/g	24.00		UJ	pCi/L
Lead-210	11.00		U	pCi/g	61.00		U	pCi/g	480.00		UJ	pCi/L
Neptunium-237	1.00	+/- .18	-	pCi/g	68.00	+/- 9.9	-	pCi/g	1.10	+/- .25	-	pCi/L
Plutonium-238	.50	+/- 1.3	J	pCi/g	6.90	+/- 1.6	-	pCi/g	.07	+/- .7	J	pCi/L
Plutonium-239												
Plutonium-239/240	1.60	+/- 1.3	J	pCi/g	66.00	+/- 9.9	-	pCi/g	.09	+/- .7	J	pCi/L
Plutonium-241	4.00		UJ	pCi/g	220.00	+/- 33	-	pCi/g	2.50	+/- 2	J	pCi/L
Polonium-210	.35	+/- 4.5	R	pCi/g	1.10	+/- 1.7	J	pCi/g	.37		R	pCi/L
Radium-226	1.70		UJ	pCi/g	13.00		UJ	pCi/g	1.40	+/- .34	-	pCi/L
Radium-228	61.00	+/- 14	-	pCi/g	24.00		UJ	pCi/g	4.80	+/- 10	-	pCi/L
Strontium-90	.20		UJ	pCi/g	.25	+/- .13	J	pCi/g	2.70	+/- 1.4	J	pCi/L
Technetium-99	49.00	+/- 7.5	J	pCi/g	560.00	+/- 85	J	pCi/g	430.00	+/- 48	-	pCi/L
Thorium-227												
Thorium-228	50.00	+/- 7.5	-	pCi/g	160.00	+/- 24	-	pCi/g	.67	+/- 2	J	pCi/L
Thorium-230	7.50	+/- 1.6	-	pCi/g	75.00	+/- 11	-	pCi/g	.22		UJ	pCi/L
Thorium-232	42.00	+/- 6.4	-	pCi/g	3.50	+/- 1.3	-	pCi/g	.24	+/- 2	J	pCi/L
Uranium, Total	44000.00	+/- 9000	-	ug/g	410000.00	+/- 80000	-	ug/g	23000.00	+/- 5000	J	ug/L
Uranium-233/234												
Uranium-234	5700.00	+/- 880	-	pCi/g	160000.00	+/- 24000	-	pCi/g	1600.00	+/- 260	J	pCi/L
Uranium-235												
Uranium-235/236	710.00	+/- 200	-	pCi/g	22000.00	+/- 3300	-	pCi/g	220.00	+/- 110	J	pCi/L
Uranium-236												
Uranium-238	16000.00	+/- 2400	-	pCi/g	180000.00	+/- 27000	-	pCi/g	1900.00	+/- 310	J	pCi/L

000696

7173

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	3				4			
Sample:	9A-022				9A-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	1.10	+/- .85	J	pCi/g	.09		UJ	pCi/L
Cesium-137	.56		UJ	pCi/g	8.20		UJ	pCi/L
Lead-210	5.70		U	pCi/g	160.00	+/- 130	J	pCi/L
Neptunium-237	4.00	+/- .63	-	pCi/g	.12		UJ	pCi/L
Plutonium-238	2.40	+/- 1.3	J	pCi/g	.07	+/- .75	J	pCi/L
Plutonium-239								
Plutonium-239/240	6.90	+/- 1.7	-	pCi/g	.17	+/- .75	J	pCi/L
Plutonium-241	6.50	+/- 3.6	J	pCi/g	2.30		UJ	pCi/L
Polonium-210	.50	+/- 1	J	pCi/g	.12	+/- 1	J	pCi/L
Radium-226	.97		UJ	pCi/g	.11		UJ	pCi/L
Radium-228	4.80	+/- 1.9	-	pCi/g	2.10	+/- 1.5	J	pCi/L
Strontium-90	.20		UJ	pCi/g	1.00	+/- .63	J	pCi/L
Technetium-99	240.00	+/- 37	J	pCi/g	480.00	+/- 53	-	pCi/L
Thorium-227								
Thorium-228	7.20	+/- 1.8	-	pCi/g	.81	+/- .62	J	pCi/L
Thorium-230	7.90	+/- 1.9	-	pCi/g	.27	+/- .6	J	pCi/L
Thorium-232	2.80	+/- 1.5	J	pCi/g	.38	+/- .6	J	pCi/L
Uranium, Total	11000.00	+/- 2000	J	ug/g	990.00	+/- 200	J	ug/L
Uranium-233/234								
Uranium-234	2900.00	+/- 430	-	pCi/g	380.00	+/- 57	J	pCi/L
Uranium-235								
Uranium-235/236	330.00	+/- 47	-	pCi/g	52.00	+/- 10	J	pCi/L
Uranium-236								
Uranium-238	6600.00	+/- 970	-	pCi/g	350.00	+/- 52	J	pCi/L

25300

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	10D-004

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	4.00		UJ	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.04	+/- .0585	UJ	pCi/L
Plutonium-238	.00	+/- .2383	UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.40		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	2.40		UJ	pCi/L
Strontium-90	3.60	+/- 3.1	J	pCi/L
Technetium-99	36.40	+/- 35	J	pCi/L
Thorium-227				
Thorium-228	.72	+/- 2.31	R	pCi/L
Thorium-230	1.44	+/- 2.17	R	pCi/L
Thorium-232	.83	+/- 1.41	R	pCi/L
Uranium, Total	712.00	+/- 72.5	-	ug/L
Uranium-233/234				
Uranium-234	229.60	+/- 33.54	J	pCi/L
Uranium-235	80.58	+/- 12.79	J	pCi/L
Uranium-235/236				
Uranium-236				
Uranium-238	258.50	+/- 37.5	J	pCi/L

Appendix L.3 - Supplemental Media
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	HVAC FILTER			
Depth:				
Process Area:	0			
Sample:	11-025			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.20		UJ	pCi/g
Neptunium-237	.00	+/- .0255	UJ	pCi/g
Plutonium-238	.10		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241				
Polonium-210	.80		R	pCi/g
Radium-226	.20	+/- .1	-	pCi/g
Radium-228	.23	+/- .23	J	pCi/g
Strontium-90	2.50		UJ	pCi/g
Technetium-99	3.70	+/- 2.5	J	pCi/g
Thorium-227				
Thorium-228	.05	+/- .04757	UJ	pCi/g
Thorium-230	.05	+/- .06642	UJ	pCi/g
Thorium-232	.06	+/- .03528	J	pCi/g
Uranium, Total	.60	+/- .1	-	ug/Fil
Uranium-233/234				
Uranium-234	.09	+/- .06776	J	pCi/g
Uranium-235				
Uranium-235/236	.01	+/- .03102	UJ	pCi/g
Uranium-236				
Uranium-238	.16	+/- .04772	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	LOOSE MEDIA			
Depth:				
Process Area:	4			
Sample:	12A-037R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.49	+/- .16	J	pCi/g
Cesium-137	.38	+/- .12	J	pCi/g
Lead-210	5.11	+/- .62	J	pCi/g
Neptunium-237	.12		UJ	pCi/g
Plutonium-238	1.89	+/- .31	-	pCi/g
Plutonium-239				
Plutonium-239/240	.50	+/- .14	-	pCi/g
Plutonium-241	11.70	+/- 4.4	J	pCi/g
Polonium-210	3.87	+/- 1.7	-	pCi/g
Radium-226	9.85	+/- 1.4	J	pCi/g
Radium-228	13.00	+/- 2.3	J	pCi/g
Strontium-90	.36		UJ	pCi/g
Technetium-99	33.40	+/- 6.6	J	pCi/g
Thorium-227				
Thorium-228	20.60	+/- 4.2	J	pCi/g
Thorium-230	25.60	+/- 5	J	pCi/g
Thorium-232	18.90	+/- 3.7	J	pCi/g
Uranium, Total	4840.00	+/- 120	-	ug/g
Uranium-233/234				
Uranium-234	999.00	+/- 190	J	pCi/g
Uranium-235				
Uranium-235/236	73.60	+/- 15	J	pCi/g
Uranium-236				
Uranium-238	1020.00	+/- 190	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	13A-015R				13A-016R				13A-017R DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	4.60	+/- .69	J	pCi/L	.39		UJ	pCi/L	.14		UJ	pCi/L
Cesium-137	3.75	+/- 2.9	J	pCi/L	3.40		UJ	pCi/L	3.50		UJ	pCi/L
Lead-210	71.90	+/- 10	J	pCi/L	9.10		UJ	pCi/L	9.30		UJ	pCi/L
Neptunium-237	2.99	+/- .69	J	pCi/L	.61		UJ	pCi/L	.33		UJ	pCi/L
Plutonium-238	28.90	+/- 2.3	J	pCi/L	.18		UJ	pCi/L	.16		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	4.21	+/- .46	J	pCi/L	.07		UJ	pCi/L	.10	+/- .067	J	pCi/L
Plutonium-241	100.00	+/- 12	J	pCi/L					40.50		NV	pCi/L
Polonium-210	2.61	+/- .77	J	pCi/L	1.10	+/- .47	J	pCi/L	.57	+/- .33	J	pCi/L
Radium-226	2.08	+/- .44	J	pCi/L	.36		UJ	pCi/L	1.03	+/- .41	-	pCi/L
Radium-228	727.00	+/- 100	J	pCi/L	5.70		UJ	pCi/L	2.90		UJ	pCi/L
Strontium-90	3.40		UJ	pCi/L	3.60		UJ	pCi/L	3.10		UJ	pCi/L
Technetium-99	231.00	+/- 86	J	pCi/L	42.00		UJ	pCi/L	44.00		UJ	pCi/L
Thorium-227												
Thorium-228	156.00	+/- 30	J	pCi/L	.21		U	pCi/L	1.03	+/- .32	-	pCi/L
Thorium-230	24.70	+/- 5.1	J	pCi/L	.12		U	pCi/L	.23	+/- .14	J	pCi/L
Thorium-232	58.10	+/- 12	J	pCi/L	.11		U	pCi/L	.31	+/- .16	J	pCi/L
Uranium, Total	95200.00	+/- 2500	-	ug/L	35.50	+/- .94	J	ug/L	44.30	+/- 1.2	J	ug/L
Uranium-233/234	9370.00	+/- 14000	R	pCi/L	28.10	+/- 5.1	J	pCi/L				
Uranium-234	9370.00	+/- 14000	NV	pCi/L	28.10	+/- 5.1	NV	pCi/L	27.70	+/- 5.1	J	pCi/L
Uranium-235												
Uranium-235/236	5880.00	+/- 8800	R	pCi/L	1.47	+/- .36	J	pCi/L	1.37	+/- .34	J	pCi/L
Uranium-236												
Uranium-238	15600.00	+/- 3400	R	pCi/L	18.00	+/- 3.3	J	pCi/L	17.10	+/- 3.2	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	3				2				3			
Sample:	13A-020R				13A-041R				13A-073R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	9.99	+/- 1.1	-	pCi/g	2.80	+/- 1.4	R	pCi/L	228.00	+/- 49	R	pCi/L
Cesium-137	10.50	+/- .5	J	pCi/g	4.30		UJ	pCi/L	4.60		UJ	pCi/L
Lead-210	90.50	+/- 5.6	J	pCi/g	24.20	+/- 5	J	pCi/L	186.00	+/- 17	J	pCi/L
Neptunium-237	3.00	+/- .5	J	pCi/g	8.94	+/- 1.6	J	pCi/L	11.40	+/- 1.8	J	pCi/L
Plutonium-238	331.00	+/- 24	J	pCi/g	8.73	+/- .86	J	pCi/L	1370.00	+/- 110	J	pCi/L
Plutonium-239												
Plutonium-239/240	15.80	+/- 1.3	J	pCi/g	.41	+/- .13	-	pCi/L	83.60	+/- 6.9	-	pCi/L
Plutonium-241	232.00	+/- 25	J	pCi/g	21.30	+/- 10	J	pCi/L	8230.00	+/- 890	J	pCi/L
Polonium-210	62.70	+/- 11	-	pCi/g	.33		UJ	pCi/L	40.80	+/- 7.9	J	pCi/L
Radium-226	282.00	+/- 39	J	pCi/g	.64	+/- .46	J	pCi/L	165.00	+/- 23	J	pCi/L
Radium-228	2650.00	+/- 370	J	pCi/g	85.60	+/- 17	J	pCi/L	3850.00	+/- 540	J	pCi/L
Strontium-90	1.45	+/- .49	J	pCi/g	11.00		UJ	pCi/L	5.00		UJ	pCi/L
Technetium-99	98.60	+/- 20	J	pCi/g	1910.00	+/- 680	J	pCi/L	4620.00	+/- 1600	J	pCi/L
Thorium-227												
Thorium-228	403.00	+/- 90	J	pCi/g	40.50	+/- 7.6	J	pCi/L	1580.00	+/- 400	J	pCi/L
Thorium-230	197.00	+/- 45	J	pCi/g	15.30	+/- 3	J	pCi/L	151.00	+/- 42	U	pCi/L
Thorium-232	287.00	+/- 64	J	pCi/g	36.80	+/- 6.9	J	pCi/L	440.00	+/- 110	J	pCi/L
Uranium, Total	11300.00	+/- 270	-	ug/g	10200.00	+/- 270	-	ug/L	424000.00	+/- 11000	-	ug/L
Uranium-233/234												
Uranium-234	3710.00	+/- 690	J	pCi/g	4850.00	+/- 970	R	pCi/L	183000.00	+/- 5800	J	pCi/L
Uranium-235												
Uranium-235/236	239.00	+/- 51	J	pCi/g	243.00	+/- 66	R	pCi/L	8450.00	+/- 2400	J	pCi/L
Uranium-236												
Uranium-238	2860.00	+/- 530	J	pCi/g	4400.00	+/- 890	R	pCi/L	167000.00	+/- 4700	J	pCi/L

204000

6212

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	LOOSE MEDIA			
Depth:				
Process Area:	3			
Sample:	13A-074R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	15.10	+/- 1.8	-	pCi/g
Cesium-137	1.07	+/- .15	J	pCi/g
Lead-210	9.02	+/- .76	J	pCi/g
Neptunium-237	1.39	+/- .35	J	pCi/g
Plutonium-238	366.00	+/- 28	-	pCi/g
Plutonium-239				
Plutonium-239/240	14.00	+/- 1.2	-	pCi/g
Plutonium-241	238.00	+/- 27	J	pCi/g
Polonium-210	5.36	+/- 1.6	-	pCi/g
Radium-226	19.60	+/- 2.7	J	pCi/g
Radium-228	861.00	+/- 170	J	pCi/g
Strontium-90	.99	+/- .4	J	pCi/g
Technetium-99	184.00	+/- 35	J	pCi/g
Thorium-227				
Thorium-228	317.00	+/- 64	J	pCi/g
Thorium-230	67.50	+/- 14	J	pCi/g
Thorium-232	147.00	+/- 30	J	pCi/g
Uranium, Total	11600.00	+/- 280	-	ug/g
Uranium-233/234				
Uranium-234	2830.00	+/- 770	J	pCi/g
Uranium-235				
Uranium-235/236	167.00	+/- 60	J	pCi/g
Uranium-236				
Uranium-238	2160.00	+/- 590	J	pCi/g

CC07603

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank Farm
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	13D-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	185.00	+/- 22.6	J	pCi/L
Cesium-137	25.90		UJ	pCi/L
Lead-210				
Neptunium-237	10.50	+/- 3.52	R	pCi/L
Plutonium-238	.16	+/- .149	J	pCi/L
Plutonium-239				
Plutonium-239/240	.25	+/- .121	-	pCi/L
Plutonium-241	4.31		UJ	pCi/L
Polonium-210	82.00	+/- 8.51	-	pCi/L
Radium-226	15.80	+/- 2.08	-	pCi/L
Radium-228	1850.00	+/- 198	-	pCi/L
Strontium-90	62.70	+/- 3.56	-	pCi/L
Technetium-99	7.86	+/- 4.9	J	pCi/L
Thorium-227				
Thorium-228	2710.00	+/- 316	-	pCi/L
Thorium-230	335.00	+/- 141	-	pCi/L
Thorium-232	1780.00	+/- 207	-	pCi/L
Uranium, Total	19400.00	+/- 1200	-	ug/L
Uranium-233/234				
Uranium-234	2510.00	+/- 237	J	pCi/L
Uranium-235				
Uranium-235/236	224.00	+/- 25.9	-	pCi/L
Uranium-236				
Uranium-238	1120.00	+/- 109	J	pCi/L

Appendix L.3 - Supplemental Media
Category 1 - Administrative Support
Component 14A - Administration Building
Analytical Results - Radionuclides

Material:	HVAC FILTER			
Depth:				
Process Area:	1			
Sample:	14A-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	.24		UJ	pCi/g
Neptunium-237	-.01	+/- .0224	UJ	pCi/g
Plutonium-238	.12		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241				
Polonium-210	.01		UJ	pCi/g
Radium-226	.20	+/- .1	J	pCi/g
Radium-228	.70	+/- .3	J	pCi/g
Strontium-90	1.40		UJ	pCi/g
Technetium-99	2.80		UJ	pCi/g
Thorium-227				
Thorium-228	.05	+/- .04626	UJ	pCi/g
Thorium-230	.31	+/- .1062	J	pCi/g
Thorium-232	.04	+/- .03781	UJ	pCi/g
Uranium, Total	3.80	+/- .5	-	ug/Fil
Uranium-233/234				
Uranium-234	.17	+/- .1616	R	pCi/g
Uranium-235				
Uranium-235/236	-.04	+/- .05443	R	pCi/g
Uranium-236				
Uranium-238	.22	+/- .1245	R	pCi/g

CD4600

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	15A-010				15A-011 DUP				15A-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.57		UJ	pCi/L	1.06		UJ	pCi/L	7.50	+/- 1.2	-	pCi/g
Cesium-137	7.21		UJ	pCi/L	3.47		UJ	pCi/L	5.20	+/- .39	J	pCi/g
Lead-210	4.41		UJ	pCi/L	4.28		UJ	pCi/L	5.20	+/- .67	-	pCi/g
Neptunium-237	.74		UJ	pCi/L	.61		UJ	pCi/L	4.00	+/- .47	J	pCi/g
Plutonium-238	.22		UJ	pCi/L	.19		UJ	pCi/L	55.00	+/- 17	R	pCi/g
Plutonium-239												
Plutonium-239/240	.12		UJ	pCi/L	.13		UJ	pCi/L	18.00	+/- 7.1	R	pCi/g
Plutonium-241												
Polonium-210	.72		UJ	pCi/L	.51		UJ	pCi/L	19.00	+/- 4.4	J	pCi/g
Radium-226	.90	+/- .493	J	pCi/L	.57	+/- .406	J	pCi/L	25.00	+/- 1.1	J	pCi/g
Radium-228	2.97	+/- 1.35	-	pCi/L	4.43	+/- 1.47	-	pCi/L	450.00	+/- 7.3	J	pCi/g
Strontium-90	1.27	+/- .959	J	pCi/L	.88		UJ	pCi/L	9.20	+/- 1.8	-	pCi/g
Technetium-99	54.40	+/- 8.29	J	pCi/L	56.80	+/- 8.44	J	pCi/L	200.00	+/- 26	-	pCi/g
Thorium-227												
Thorium-228	1.39	+/- .452	-	pCi/L	23.70		UJ	pCi/L	630.00	+/- 82	J	pCi/g
Thorium-230	1.11	+/- .478	-	pCi/L	25.50		UJ	pCi/L	650.00	+/- 84	J	pCi/g
Thorium-232	.72	+/- .201	-	pCi/L	14.30		UJ	pCi/L	510.00	+/- 66	J	pCi/g
Uranium, Total	3280.00	+/- 203	-	ug/L	3800.00	+/- 234	-	ug/L	61000.00	+/- 3800	-	ug/g
Uranium-233/234												
Uranium-234	1060.00	+/- 117	J	pCi/L	1110.00	+/- 113	J	pCi/L	8900.00	+/- 3100	J	pCi/g
Uranium-235												
Uranium-235/236	172.00	+/- 21.8	J	pCi/L	133.00	+/- 16	J	pCi/L	430.00	+/- 160	J	pCi/g
Uranium-236												
Uranium-238	1300.00	+/- 143	J	pCi/L	1280.00	+/- 131	J	pCi/L	8900.00	+/- 3100	J	pCi/g

000706

7173

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	3			
Sample:	15A-020			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.98		UJ	pCi/L
Cesium-137	6.78		UJ	pCi/L
Lead-210	4.79		UJ	pCi/L
Neptunium-237	.70		UJ	pCi/L
Plutonium-238	.17		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.12	+/- .0838	J	pCi/L
Plutonium-241				
Polonium-210	.54		UJ	pCi/L
Radium-226	.45	+/- .414	J	pCi/L
Radium-228	1.31		UJ	pCi/L
Strontium-90	1.38		UJ	pCi/L
Technetium-99	7.23	+/- 4.78	U	pCi/L
Thorium-227				
Thorium-228	.39		UJ	pCi/L
Thorium-230	1.31	+/- .525	-	pCi/L
Thorium-232	.62	+/- .216	U	pCi/L
Uranium, Total	1180.00	+/- 72.8	-	ug/L
Uranium-233/234				
Uranium-234	390.00	+/- 40.9	J	pCi/L
Uranium-235				
Uranium-235/236	67.90	+/- 8.98	-	pCi/L
Uranium-236				
Uranium-238	386.00	+/- 40.5	J	pCi/L

209600

Appendix L.3 - Supplemental Media
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Transformer
Analytical Results - Radionuclides

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	16C-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	3.30	+/- .6	J	pCi/g
Neptunium-237	.03	+/- .0392	UJ	pCi/g
Plutonium-238	.00	+/- .0983	UJ	pCi/g
Plutonium-239	.04	+/- .04	UJ	pCi/g
Plutonium-239/240				
Plutonium-241	.00		NV	pCi/g
Polonium-210	6.40	+/- .9	-	pCi/g
Radium-226	1.80	+/- .3	-	pCi/g
Radium-228	.90	+/- .4	J	pCi/g
Strontium-90	1.40		UJ	pCi/g
Technetium-99	1.20	+/- .6	J	pCi/g
Thorium-227				
Thorium-228	.81	+/- .17	J	pCi/g
Thorium-230	2.31	+/- .37	J	pCi/g
Thorium-232	.66	+/- .13	J	pCi/g
Uranium, Total	86.30	+/- 12.2	-	ug/g
Uranium-233/234				
Uranium-234	117.10	+/- 23.37	J	pCi/g
Uranium-235	17.59	+/- 5.41	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	190.20	+/- 36.05	J	pCi/g

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	18A-002				18A-004				18A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.07		UJ	pCi/L	.09		UJ	pCi/L	.07		UJ	pCi/L
Cesium-137	8.40		UJ	pCi/L	8.70		UJ	pCi/L	7.30		UJ	pCi/L
Lead-210	130.00	+/- 140	J	pCi/L	120.00		UJ	pCi/L	130.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.10		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.03	+/- .68	J	pCi/L	.04	+/- .6	J	pCi/L	.03		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.05		UJ	pCi/L	.04		UJ	pCi/L	.03		UJ	pCi/L
Plutonium-241	2.20		UJ	pCi/L	1.80		UJ	pCi/L	1.80		UJ	pCi/L
Polonium-210	.16		UJ	pCi/L	.17	+/- 1	J	pCi/L	.07	+/- .85	J	pCi/L
Radium-226	.24	+/- .12	-	pCi/L	.18	+/- .11	J	pCi/L	.29	+/- .12	-	pCi/L
Radium-228	1.80		UJ	pCi/L	1.70		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	.76		UJ	pCi/L	.84		UJ	pCi/L	.98		UJ	pCi/L
Technetium-99	630.00	+/- 70	-	pCi/L	620.00	+/- 70	-	pCi/L	510.00	+/- 57	-	pCi/L
Thorium-227												
Thorium-228	.34	+/- .56	J	pCi/L	.42	+/- .56	J	pCi/L	.32	+/- .69	J	pCi/L
Thorium-230	.19	+/- .56	J	pCi/L	.92		UJ	pCi/L	.20	+/- .69	J	pCi/L
Thorium-232	.11	+/- .56	J	pCi/L	.11	+/- .56	J	pCi/L	.16	+/- .68	J	pCi/L
Uranium, Total	1800.00	+/- 400	-	ug/L	1900.00	+/- 400	J	ug/L	1700.00	+/- 300	J	ug/L
Uranium-233/234												
Uranium-234	490.00	+/- 74	J	pCi/L	460.00	+/- 71	J	pCi/L	400.00	+/- 60	J	pCi/L
Uranium-235												
Uranium-235/236	60.00	+/- 17	J	pCi/L	54.00	+/- 16	J	pCi/L	45.00	+/- 14	J	pCi/L
Uranium-236												
Uranium-238	670.00	+/- 100	J	pCi/L	650.00	+/- 98	J	pCi/L	620.00	+/- 93	J	pCi/L

000709

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	18A-006				18A-007				18A-008 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09		UJ	pCi/L	.08		UJ	pCi/L	.08		UJ	pCi/L
Cesium-137	8.20		UJ	pCi/L	8.70		UJ	pCi/L	7.70		UJ	pCi/L
Lead-210	130.00	+/- 140	J	pCi/L	120.00		UJ	pCi/L	120.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.12		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.02	+/- .63	J	pCi/L	.03	+/- .63	J	pCi/L	.05		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/L	.03		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-241	1.90		UJ	pCi/L	1.80		UJ	pCi/L	1.70		UJ	pCi/L
Polonium-210	.19	+/- 1	J	pCi/L	.18	+/- 1	J	pCi/L	.17	+/- .83	J	pCi/L
Radium-226	.18	+/- .11	J	pCi/L	.19	+/- .11	J	pCi/L	.17	+/- .1	J	pCi/L
Radium-228	1.60		UJ	pCi/L	1.70		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	.81		UJ	pCi/L	.79		UJ	pCi/L	.84		UJ	pCi/L
Technetium-99	510.00	+/- 58	-	pCi/L	500.00	+/- 55	-	pCi/L	500.00	+/- 56	-	pCi/L
Thorium-227												
Thorium-228	.45	+/- .59	J	pCi/L	.32	+/- .59	J	pCi/L	.30	+/- .57	J	pCi/L
Thorium-230	.29	+/- .59	J	pCi/L	.09		UJ	pCi/L	.10		UJ	pCi/L
Thorium-232	.16	+/- .58	J	pCi/L	.09	+/- .59	J	pCi/L	.08	+/- .67	J	pCi/L
Uranium, Total	1700.00	+/- 300	J	ug/L	1700.00	+/- 300	J	ug/L	1700.00	+/- 300	J	ug/L
Uranium-233/234												
Uranium-234	400.00	+/- 60	J	pCi/L	380.00	+/- 59	J	pCi/L	400.00	+/- 61	J	pCi/L
Uranium-235												
Uranium-235/236	43.00	+/- 11	J	pCi/L	43.00	+/- 15	J	pCi/L	43.00	+/- 16	J	pCi/L
Uranium-236												
Uranium-238	580.00	+/- 87	J	pCi/L	580.00	+/- 88	J	pCi/L	590.00	+/- 89	J	pCi/L

000710

7173

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	18A-011				18A-012				18A-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/L	.08		UJ	pCi/L	.08		UJ	pCi/L
Cesium-137	9.40	+/- 5.5	J	pCi/L	8.20		UJ	pCi/L	8.30		UJ	pCi/L
Lead-210	300.00	+/- 110	-	pCi/L	110.00		UJ	pCi/L	120.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.11		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L	.02	+/- .65	J	pCi/L	.04		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.03		UJ	pCi/L	.05		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-241	1.90		UJ	pCi/L	1.90		UJ	pCi/L	1.90		UJ	pCi/L
Polonium-210	.11		UJ	pCi/L	.10		UJ	pCi/L	.81	+/- 1.1	J	pCi/L
Radium-226	.22	+/- .12	J	pCi/L	.24	+/- .12	-	pCi/L	.31	+/- .13	-	pCi/L
Radium-228	1.70		UJ	pCi/L	2.00	+/- 1.2	J	pCi/L	1.60		UJ	pCi/L
Strontium-90	1.00	+/- .66	J	pCi/L	.89		UJ	pCi/L	.91		UJ	pCi/L
Technetium-99	620.00	+/- 70	-	pCi/L	500.00	+/- 56	-	pCi/L	520.00	+/- 58	-	pCi/L
Thorium-227												
Thorium-228	.41	+/- .65	J	pCi/L	.30	+/- .59	J	pCi/L	.36	+/- .59	J	pCi/L
Thorium-230	.11		UJ	pCi/L	.13	+/- .58	J	pCi/L	.10	+/- .58	J	pCi/L
Thorium-232	.14	+/- .64	J	pCi/L	.11	+/- .58	J	pCi/L	.13	+/- .58	J	pCi/L
Uranium, Total	1900.00	+/- 400	J	ug/L	1700.00	+/- 300	J	ug/L	1700.00	+/- 300	J	ug/L
Uranium-233/234												
Uranium-234	430.00	+/- 66	J	pCi/L	390.00	+/- 60	J	pCi/L	380.00	+/- 58	J	pCi/L
Uranium-235												
Uranium-235/236	52.00	+/- 16	J	pCi/L	46.00	+/- 16	J	pCi/L	41.00	+/- 15	J	pCi/L
Uranium-236												
Uranium-238	620.00	+/- 94	J	pCi/L	580.00	+/- 87	J	pCi/L	570.00	+/- 87	J	pCi/L

EZ000

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-014				18A-015				18A-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.12		UJ	pCi/L	.08		UJ	pCi/L	1.30	+/- .36	J	pCi/g
Cesium-137	7.80		UJ	pCi/L	8.10		UJ	pCi/L	16.00	+/- 5.2	-	pCi/g
Lead-210	120.00		UJ	pCi/L	120.00	+/- 130	J	pCi/L	17.00	+/- 11	J	pCi/g
Neptunium-237	.10		UJ	pCi/L	.10		UJ	pCi/L	.79	+/- .15	-	pCi/g
Plutonium-238	.04		UJ	pCi/L	.04		UJ	pCi/L	.65	+/- .34	J	pCi/g
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/L	.03		UJ	pCi/L	.56	+/- .33	J	pCi/g
Plutonium-241	1.70		UJ	pCi/L	1.90		UJ	pCi/L	1.10		UJ	pCi/g
Polonium-210	.13	+/- .95	J	pCi/L	.11	+/- .86	J	pCi/L	8.70	+/- 1.8	J	pCi/g
Radium-226	.24	+/- .12	-	pCi/L	.20	+/- .12	J	pCi/L	5.40	+/- 2.3	-	pCi/g
Radium-228	1.70		UJ	pCi/L	1.70		UJ	pCi/L	12.00	+/- 4.9	-	pCi/g
Strontium-90	.81		UJ	pCi/L	.86		UJ	pCi/L	.49	+/- .17	-	pCi/g
Technetium-99	510.00	+/- 57	-	pCi/L	510.00	+/- 57	-	pCi/L	830.00	+/- 130	J	pCi/g
Thorium-227												
Thorium-228	.33	+/- .6	J	pCi/L	.36	+/- .67	J	pCi/L	8.40	+/- 1.3	-	pCi/g
Thorium-230	.11		UJ	pCi/L	.27	+/- .68	J	pCi/L	19.00	+/- 2.8	-	pCi/g
Thorium-232	.09	+/- .59	J	pCi/L	.06	+/- .67	J	pCi/L	4.00	+/- .67	-	pCi/g
Uranium, Total	1800.00	+/- 300	J	ug/L	1700.00	+/- 300	J	ug/L	330.00	+/- 70	J	ug/g
Uranium-233/234												
Uranium-234	400.00	+/- 61	J	pCi/L	400.00	+/- 620	J	pCi/L	490.00	+/- 73	J	pCi/g
Uranium-235												
Uranium-235/236	48.00	+/- 15	J	pCi/L	47.00	+/- 14	J	pCi/L	61.00	+/- 11	J	pCi/g
Uranium-236												
Uranium-238	600.00	+/- 90	J	pCi/L	620.00	+/- 93	J	pCi/L	790.00	+/- 120	J	pCi/g

27400

39212

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	SEDIMENT				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-018 DUP				18A-020				18A-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.09	+/- .26	J	pCi/g	.91	+/- .32	-	pCi/g	.41	+/- .3	J	pCi/g
Cesium-137	14.00	+/- 4.4	-	pCi/g	10.00	+/- 3.1	-	pCi/g	10.00	+/- 3.3	-	pCi/g
Lead-210	14.00	+/- 12	J	pCi/g	8.50	+/- 3.7	J	pCi/g	6.30		U	pCi/g
Neptunium-237	.83	+/- .16	-	pCi/g	1.00	+/- .18	-	pCi/g	.75	+/- .14	-	pCi/g
Plutonium-238	.63	+/- .42	J	pCi/g	.71	+/- .39	J	pCi/g	.45	+/- .32	J	pCi/g
Plutonium-239												
Plutonium-239/240	.53	+/- .41	J	pCi/g	.60	+/- .38	J	pCi/g	.44	+/- .32	J	pCi/g
Plutonium-241	1.30		UJ	pCi/g	1.20		UJ	pCi/g	1.00		UJ	pCi/g
Polonium-210	8.50	+/- 2.7	J	pCi/g	12.00	+/- 2.4	J	pCi/g	7.00	+/- 1.5	J	pCi/g
Radium-226	6.20	+/- 2.5	-	pCi/g	5.50	+/- 1.4	-	pCi/g	4.60	+/- 1.4	-	pCi/g
Radium-228	14.00	+/- 4.9	-	pCi/g	11.00	+/- 2.8	-	pCi/g	11.00	+/- 3.5	-	pCi/g
Strontium-90	.41	+/- .16	-	pCi/g	.27	+/- .16	J	pCi/g	.24	+/- .12	-	pCi/g
Technetium-99	790.00	+/- 120	J	pCi/g	950.00	+/- 140	J	pCi/g	540.00	+/- 82	J	pCi/g
Thorium-227												
Thorium-228	8.40	+/- 1.3	-	pCi/g	8.60	+/- 1.3	-	pCi/g	6.00	+/- .94	-	pCi/g
Thorium-230	20.00	+/- 3	-	pCi/g	21.00	+/- 3.1	-	pCi/g	13.00	+/- 2	-	pCi/g
Thorium-232	3.90	+/- .68	-	pCi/g	3.70	+/- .65	-	pCi/g	2.60	+/- .49	-	pCi/g
Uranium, Total	270.00	+/- 50	-	ug/g	2000.00	+/- 400	J	ug/g	130.00	+/- 30	-	ug/g
Uranium-233/234												
Uranium-234	480.00	+/- 72	J	pCi/g	440.00	+/- 66	-	pCi/g	290.00	+/- 44	J	pCi/g
Uranium-235												
Uranium-235/236	58.00	+/- 12	J	pCi/g	37.00	+/- 6.6	-	pCi/g	34.00	+/- 8.6	J	pCi/g
Uranium-236												
Uranium-238	790.00	+/- 120	J	pCi/g	720.00	+/- 110	-	pCi/g	460.00	+/- 69	J	pCi/g

0002743

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	SEDIMENT				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-023				18A-024				18A-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.65	+/- .3	-	pCi/g	.02		U	pCi/g	.22	+/- .27	J	pCi/g
Cesium-137	13.00	+/- 4.1	-	pCi/g	5.00	+/- 1.6	-	pCi/g	2.90	+/- .93	-	pCi/g
Lead-210	15.00	+/- 8.4	J	pCi/g	6.40		U	pCi/g	4.00		U	pCi/g
Neptunium-237	.84	+/- .16	-	pCi/g	.99	+/- .18	-	pCi/g	.68	+/- .13	-	pCi/g
Plutonium-238	.66	+/- .33	-	pCi/g	.50	+/- .31	J	pCi/g	.42	+/- .32	J	pCi/g
Plutonium-239												
Plutonium-239/240	.51	+/- .32	J	pCi/g	.50	+/- .31	J	pCi/g	1.10	+/- .36	-	pCi/g
Plutonium-241	.98		UJ	pCi/g	.99		UJ	pCi/g	.97		UJ	pCi/g
Polonium-210	8.90	+/- 1.9	J	pCi/g	4.80	+/- 1.2	J	pCi/g	3.40	+/- .92	J	pCi/g
Radium-226	6.00	+/- 2	-	pCi/g	3.10	+/- 1.1	-	pCi/g	4.00	+/- 1.1	-	pCi/g
Radium-228	14.00	+/- 4.6	-	pCi/g	8.50	+/- 2.5	-	pCi/g	9.30	+/- 2.4	-	pCi/g
Strontium-90	.34	+/- .14	-	pCi/g	.20	+/- .13	J	pCi/g	.17		UJ	pCi/g
Technetium-99	740.00	+/- 110	J	pCi/g	370.00	+/- 57	J	pCi/g	520.00	+/- 79	J	pCi/g
Thorium-227												
Thorium-228	7.30	+/- 1.2	-	pCi/g	5.00	+/- .8	-	pCi/g	7.50	+/- 1.2	-	pCi/g
Thorium-230	16.00	+/- 2.4	-	pCi/g	14.00	+/- 2	-	pCi/g	24.00	+/- 3.6	-	pCi/g
Thorium-232	3.80	+/- .68	-	pCi/g	2.10	+/- .43	-	pCi/g	2.70	+/- .5	-	pCi/g
Uranium, Total	230.00	+/- 50	-	ug/g	1800.00	+/- 400	-	ug/g	1600.00	+/- 300	-	ug/g
Uranium-233/234												
Uranium-234	350.00	+/- 52	J	pCi/g	360.00	+/- 55	-	pCi/g	410.00	+/- 61	-	pCi/g
Uranium-235												
Uranium-235/236	38.00	+/- 9.3	J	pCi/g	42.00	+/- 11	-	pCi/g	46.00	+/- 7.4	-	pCi/g
Uranium-236												
Uranium-238	560.00	+/- 84	J	pCi/g	600.00	+/- 89	-	pCi/g	590.00	+/- 88	-	pCi/g

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	SEDIMENT			
Depth:				
Process Area:	1			
Sample:	18A-027			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.50	+/- .58	-	pCi/g
Cesium-137	2.30	+/- .83	-	pCi/g
Lead-210	16.00	+/- 5.1	-	pCi/g
Neptunium-237	22.00	+/- 3.3	-	pCi/g
Plutonium-238	1.70	+/- .66	-	pCi/g
Plutonium-239				
Plutonium-239/240	6.40	+/- 1.2	-	pCi/g
Plutonium-241	6.50	+/- 2	-	pCi/g
Polonium-210	18.00	+/- 3.2	J	pCi/g
Radium-226	45.00	+/- 9.7	-	pCi/g
Radium-228	94.00	+/- 22	-	pCi/g
Strontium-90	.21	+/- .14	J	pCi/g
Technetium-99	280.00	+/- 42	J	pCi/g
Thorium-227				
Thorium-228	110.00	+/- 1.7	-	pCi/g
Thorium-230	120.00	+/- 17	-	pCi/g
Thorium-232	16.00	+/- 2.5	-	pCi/g
Uranium, Total	730.00	+/- 100	-	ug/g
Uranium-233/234				
Uranium-234	1900.00	+/- 280	-	pCi/g
Uranium-235				
Uranium-235/236	200.00	+/- 25	-	pCi/g
Uranium-236				
Uranium-238	1800.00	+/- 260	-	pCi/g

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	18B-006				18B-007 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.53	+/- .118	J	pCi/g	.58	+/- .108	J	pCi/g
Cesium-137	.75	+/- .16	-	pCi/g	.84	+/- .185	-	pCi/g
Lead-210	4.19		UJ	pCi/g	5.31		UJ	pCi/g
Neptunium-237	2.60	+/- .24	-	pCi/g	9.17	+/- .713	J	pCi/g
Plutonium-238	.79	+/- .126	-	pCi/g	2.95	+/- .29	-	pCi/g
Plutonium-239								
Plutonium-239/240	2.11	+/- .26	-	pCi/g	3.09	+/- .302	-	pCi/g
Plutonium-241	3.45	+/- 1.07	-	pCi/g	4.58	+/- 1.35	-	pCi/g
Polonium-210	6.49	+/- .665	J	pCi/g	3.95	+/- .614	J	pCi/g
Radium-226	9.81	+/- .776	-	pCi/g	11.20	+/- .882	-	pCi/g
Radium-228	55.40	+/- 4.03	-	pCi/g	74.40	+/- 5.39	-	pCi/g
Strontium-90	.63	+/- .136	-	pCi/g	1.48	+/- .222	-	pCi/g
Technetium-99	56.30	+/- 4.62	-	pCi/g	63.90	+/- 5.23	-	pCi/g
Thorium-227								
Thorium-228	175.00		UJ	pCi/g	718.00	+/- 194	J	pCi/g
Thorium-230	171.00	+/- 132	J	pCi/g	1220.00	+/- 225	J	pCi/g
Thorium-232	84.40		UJ	pCi/g	530.00	+/- 129	J	pCi/g
Uranium, Total	8590.00	+/- 844	-	ug/g	13800.00	+/- 1360	-	ug/g
Uranium-233/234								
Uranium-234	749.00	+/- 83.3	-	pCi/g	662.00	+/- 115	-	pCi/g
Uranium-235								
Uranium-235/236	114.00	+/- 23.6	-	pCi/g	70.50	+/- 39.7	J	pCi/g
Uranium-236								
Uranium-238	644.00	+/- 72.1	-	pCi/g	542.00	+/- 93.7	-	pCi/g

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18C-002R				18C-004R				18C-005R DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.19		UJ	pCi/L	.10		UJ	pCi/g	.10		UJ	pCi/g
Cesium-137	1.60		UJ	pCi/L	.10		UJ	pCi/g	.10	+/- .1	J	pCi/g
Lead-210	8.50	+/- 2.9	J	pCi/L	4.70	+/- .8	J	pCi/g	1.80	+/- .4	J	pCi/g
Neptunium-237	.28		UJ	pCi/L	.02	+/- .1616	UJ	pCi/g	-.09	+/- .0899	UJ	pCi/g
Plutonium-238	.24		UJ	pCi/L	-.04	+/- .07	UJ	pCi/g	-.05	+/- .08	UJ	pCi/g
Plutonium-239					.04	+/- .04	UJ	pCi/g	.01	+/- .04	UJ	pCi/g
Plutonium-239/240	.19		UJ	pCi/L								
Plutonium-241												
Polonium-210	.57		UJ	pCi/L	5.60	+/- .9	-	pCi/g	2.90	+/- .5	-	pCi/g
Radium-226	8.80	+/- 1.7	-	pCi/L	4.90	+/- .8	-	pCi/g	2.10	+/- .4	-	pCi/g
Radium-228	.85		UJ	pCi/L	1.70	+/- .5	J	pCi/g	.90	+/- .4	J	pCi/g
Strontium-90	.31		UJ	pCi/L	3.00		UJ	pCi/g	4.10		UJ	pCi/g
Technetium-99	12.00		UJ	pCi/L	.50		UJ	pCi/g	.50		UJ	pCi/g
Thorium-227												
Thorium-228	.34		UJ	pCi/L	3.55	+/- .59	J	pCi/g	.90	+/- .18	J	pCi/g
Thorium-230	.58		UJ	pCi/L	3.79	+/- .62	J	pCi/g	1.51	+/- .26	J	pCi/g
Thorium-232	.14		UJ	pCi/L	3.01	+/- .49	J	pCi/g	.78	+/- .14	J	pCi/g
Uranium, Total	.98	+/- .023	-	ug/L	23.50	+/- 3.3	-	ug/g	10.10	+/- 1.4	-	ug/g
Uranium-233/234												
Uranium-234	.88	+/- .327	J	pCi/L	6.47	+/- 1.29	J	pCi/g	5.30	+/- .93	J	pCi/g
Uranium-235					.60	+/- .21	J	pCi/g	.56	+/- .16	J	pCi/g
Uranium-235/236	.18		UJ	pCi/L								
Uranium-236												
Uranium-238	.60	+/- .29	J	pCi/L	7.41	+/- 1.45	J	pCi/g	5.87	+/- 1.02	J	pCi/g

2E2000

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18C-008R				18C-011R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.19		UJ	pCi/L	.10		UJ	pCi/g
Cesium-137	1.90		UJ	pCi/L	.10		UJ	pCi/g
Lead-210	2.60		UJ	pCi/L	4.70	+/- .8	J	pCi/g
Neptunium-237	.25		UJ	pCi/L	.16	+/- .2083	R	pCi/g
Plutonium-238	.27		UJ	pCi/L	-.08	+/- .07	UJ	pCi/g
Plutonium-239					.04	+/- .04	UJ	pCi/g
Plutonium-239/240	.22		UJ	pCi/L				
Plutonium-241								
Polonium-210	1.20		UJ	pCi/L	14.30	+/- 2	-	pCi/g
Radium-226	.57		UJ	pCi/L	5.60	+/- .9	-	pCi/g
Radium-228	1.50	+/- .72	J	pCi/L	2.30	+/- .5	J	pCi/g
Strontium-90	.44		UJ	pCi/L	4.30		UJ	pCi/g
Technetium-99	21.00		UJ	pCi/L	.50		UJ	pCi/g
Thorium-227								
Thorium-228	.34		UJ	pCi/L	3.07	+/- .49	J	pCi/g
Thorium-230	.49		UJ	pCi/L	3.25	+/- .51	J	pCi/g
Thorium-232	.16		UJ	pCi/L	2.54	+/- .4	J	pCi/g
Uranium, Total	2.90	+/- .068	-	ug/L	24.60	+/- 3.5	-	ug/g
Uranium-233/234								
Uranium-234	4.70	+/- .71	J	pCi/L	7.56	+/- 1.38	J	pCi/g
Uranium-235					.63	+/- .2	J	pCi/g
Uranium-235/236	.23	+/- .11	J	pCi/L				
Uranium-236								
Uranium-238	4.90	+/- .74	J	pCi/L	7.96	+/- 1.45	J	pCi/g

000718

7173

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18E-001				18E-006				18E-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.19		UJ	pCi/g	.17		UJ	pCi/g
Cesium-137	1.00		UJ	pCi/L	1.10	+/- .055	-	pCi/g	1.10	+/- .08	J	pCi/g
Lead-210	16.00	+/- 3.1	J	pCi/L	19.00	+/- 1.8	J	pCi/g	1.70	+/- .42	-	pCi/g
Neptunium-237	.59	+/- .2568	J	pCi/L	.14	+/- .077	J	pCi/g	.33	+/- .13	J	pCi/g
Plutonium-238	.30		UJ	pCi/L	.17		UJ	pCi/g	.38	+/- .33	J	pCi/g
Plutonium-239												
Plutonium-239/240	.10		UJ	pCi/L	.28	+/- .26	J	pCi/g	.80	+/- .68	J	pCi/g
Plutonium-241					1.30	+/- .44	-	pCi/g	7.00	+/- .86	-	pCi/g
Polonium-210	43.80	+/- 7.1	J	pCi/L	56.00	+/- 16	J	pCi/g	100.00	+/- 18	-	pCi/g
Radium-226	9.20	+/- 1.8	J	pCi/L	5.90	+/- .18	J	pCi/g	6.20	+/- .25	J	pCi/g
Radium-228	2.40	+/- 1.5	J	pCi/L	4.10	+/- .6	J	pCi/g	4.40	+/- .88	J	pCi/g
Strontium-90	1.90		UJ	pCi/L	.83	+/- .39	J	pCi/g	1.70	+/- .46	-	pCi/g
Technetium-99	80.50	+/- 26.1	-	pCi/L	22.00	+/- 2.8	-	pCi/g	24.00	+/- 3	-	pCi/g
Thorium-227												
Thorium-228	4.09	+/- 1.94	R	pCi/L	4.30	+/- .62	-	pCi/g	5.00	+/- .64	J	pCi/g
Thorium-230	71.55	+/- 18.77	R	pCi/L	71.00	+/- 7.9	-	pCi/g	73.00	+/- 6.9	J	pCi/g
Thorium-232	27.09	+/- 7.8	R	pCi/L	3.50	+/- .51	J	pCi/g	3.30	+/- .43	J	pCi/g
Uranium, Total	1020.00	+/- 95.5	J	ug/L	630.00	+/- 39	-	ug/g	630.00	+/- 38	-	ug/g
Uranium-233/234												
Uranium-234	271.00	+/- 95.4	-	pCi/L	150.00	+/- 20	-	pCi/g	25000.00	+/- 97000	J	pCi/g
Uranium-235												
Uranium-235/236	13.80	+/- 7	J	pCi/L	7.40	+/- 1.3	-	pCi/g	1100.00	+/- 4300	J	pCi/g
Uranium-236												
Uranium-238	288.00	+/- 101	-	pCi/L	170.00	+/- 22	-	pCi/g	18000.00	+/- 71000	J	pCi/g

0033

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18E-010				18E-012				18E-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/L	.12	+/- .141	UJ	pCi/g	.03	+/- .0842	UJ	pCi/g
Cesium-137	2.00		UJ	pCi/L	.82	+/- .126	-	pCi/g	.68	+/- .112	-	pCi/g
Lead-210	11.00	+/- 3.3	J	pCi/L	5.49	+/- .6898	J	pCi/g	7.61	+/- .8326	J	pCi/g
Neptunium-237	.24		UJ	pCi/L	.31	+/- .21	J	pCi/g	.41	+/- .221	J	pCi/g
Plutonium-238	.27		UJ	pCi/L	.19	+/- .218	J	pCi/g	.19	+/- .229	J	pCi/g
Plutonium-239												
Plutonium-239/240	.22		UJ	pCi/L	.25	+/- .306	UJ	pCi/g	.22	+/- .295	UJ	pCi/g
Plutonium-241	2.10	+/- 1.2	J	pCi/L	-.50	+/- .64	UJ	pCi/g	.26	+/- .58	UJ	pCi/g
Polonium-210	.82		UJ	pCi/L	12.30	+/- 2.71	J	pCi/g	24.70	+/- 5.48	J	pCi/g
Radium-226	1.00	+/- .5	-	pCi/L	4.21	+/- .581	-	pCi/g	3.82	+/- .5377	-	pCi/g
Radium-228	.90	+/- .72	J	pCi/L	5.03	+/- .6818	-	pCi/g	4.36	+/- .629	-	pCi/g
Strontium-90	.46	+/- .22	J	pCi/L	-.01	+/- .398	UJ	pCi/g	.02	+/- .403	UJ	pCi/g
Technetium-99	34.00	+/- 18	J	pCi/L	41.61	+/- 2.113	-	pCi/g	29.32	+/- 1.475	-	pCi/g
Thorium-227									15.90		NV	pCi/g
Thorium-228	.31		UJ	pCi/L	3.63	+/- .594	-	pCi/g	3.52	+/- .594	-	pCi/g
Thorium-230	.48		UJ	pCi/L	32.50	+/- 3.07	J	pCi/g	27.40	+/- 2.76	J	pCi/g
Thorium-232	.13	+/- .12	J	pCi/L	2.20	+/- .444	-	pCi/g	2.62	+/- .473	-	pCi/g
Uranium, Total	120.00	+/- 7.6	-	ug/L	210.60	+/- 6.973	-	ug/g	194.00	+/- 5.907	-	ug/g
Uranium-233/234												
Uranium-234	153.00	+/- 19	J	pCi/L	90.20	+/- 14.7	-	pCi/g	79.60	+/- 13	-	pCi/g
Uranium-235												
Uranium-235/236	6.56	+/- .991	J	pCi/L	4.01	+/- .823	-	pCi/g	3.69	+/- .774	-	pCi/g
Uranium-236												
Uranium-238	147.00	+/- 18.3	J	pCi/L	95.80	+/- 15.6	-	pCi/g	86.80	+/- 14.2	-	pCi/g

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18E-016				18E-017 DUP				18E-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.19		UJ	pCi/L	.05	+/- .101	UJ	pCi/g
Cesium-137	1.30		UJ	pCi/L	1.80		UJ	pCi/L	.65	+/- .154	-	pCi/g
Lead-210	1.60		UJ	pCi/L	9.20	+/- 3	J	pCi/L	8.06	+/- .8587	J	pCi/g
Neptunium-237	1.50	+/- .3	R	pCi/L	.33		UJ	pCi/L	.13	+/- .219	UJ	pCi/g
Plutonium-238	.20		UJ	pCi/L	.45		UJ	pCi/L	.16	+/- .233	UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.10		UJ	pCi/L	.79	+/- .72	J	pCi/L	.27	+/- .388	UJ	pCi/g
Plutonium-241					2.20	+/- 1.3	J	pCi/L	-.10	+/- .582	UJ	pCi/g
Polonium-210	.80	+/- .4	J	pCi/L	.95		UJ	pCi/L	15.40	+/- 3.59	J	pCi/g
Radium-226	.50		UJ	pCi/L	.69		UJ	pCi/L	2.84	+/- .556	-	pCi/g
Radium-228	2.60		UJ	pCi/L	2.20	+/- .87	-	pCi/L	3.88	+/- .5581	-	pCi/g
Strontium-90	1.60		UJ	pCi/L	.29	+/- .2	J	pCi/L	.00	+/- .409	UJ	pCi/g
Technetium-99	36.20		UJ	pCi/L	32.00	+/- 14	-	pCi/L	17.39	+/- 1.05	-	pCi/g
Thorium-227									3.65		NV	pCi/g
Thorium-228	.57	+/- .35	R	pCi/L	.26		UJ	pCi/L	2.51	+/- .599	-	pCi/g
Thorium-230	1.46	+/- .59	R	pCi/L	.46		UJ	pCi/L	13.40	+/- 1.65	J	pCi/g
Thorium-232	.54	+/- .29	R	pCi/L	.11		UJ	pCi/L	2.26	+/- .515	-	pCi/g
Uranium, Total	522.00	+/- 49	J	ug/L	120.00	+/- 7.2	-	ug/L	182.20	+/- 3.948	-	ug/g
Uranium-233/234												
Uranium-234	144.90	+/- 26.22	J	pCi/L	160.00	+/- 20	J	pCi/L	66.70	+/- 11	-	pCi/g
Uranium-235												
Uranium-235/236	13.24	+/- 4.17	J	pCi/L	8.60	+/- 1.2	J	pCi/L	2.64	+/- .598	-	pCi/g
Uranium-236												
Uranium-238	138.70	+/- 25.21	J	pCi/L	160.00	+/- 20	J	pCi/L	79.40	+/- 13	-	pCi/g

EA600

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	18E-023				18E-025				18E-027			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/L	.07	+/- .124	UJ	pCi/g	.07		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L	.64	+/- .148	-	pCi/g	1.90		UJ	pCi/L
Lead-210	3.20	+/- 2.2	J	pCi/L	6.19	+/- .735	J	pCi/g	5.60	+/- 2.5	J	pCi/L
Neptunium-237	.34		UJ	pCi/L	.16	+/- .171	J	pCi/g	.26		UJ	pCi/L
Plutonium-238	.19		UJ	pCi/L	.04	+/- .125	UJ	pCi/g	.22		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.17		UJ	pCi/L	.19	+/- .272	UJ	pCi/g	.20		UJ	pCi/L
Plutonium-241					.03	+/- .559	UJ	pCi/g				
Polonium-210	3.00	+/- 1.2	-	pCi/L	13.30	+/- 3.31	J	pCi/g	.81		UJ	pCi/L
Radium-226	.86		UJ	pCi/L	2.56	+/- .5191	-	pCi/g	.84		UJ	pCi/L
Radium-228	.96		UJ	pCi/L	3.43	+/- .483	-	pCi/g	.82		UJ	pCi/L
Strontium-90	.41	+/- .23	J	pCi/L	.15	+/- .4048	J	pCi/g	.25		UJ	pCi/L
Technetium-99	16.00	+/- 9.8	J	pCi/L	20.72	+/- 1.68	-	pCi/g	24.00	+/- 13	J	pCi/L
Thorium-227					3.94		NV	pCi/g				
Thorium-228	.29		UJ	pCi/L	3.15	+/- .585	-	pCi/g	.44		UJ	pCi/L
Thorium-230	.43		UJ	pCi/L	13.50	+/- 1.54	J	pCi/g	.64		UJ	pCi/L
Thorium-232	.13		UJ	pCi/L	1.99	+/- .426	-	pCi/g	.17		UJ	pCi/L
Uranium, Total	120.00	+/- 7.4	-	ug/L	184.60	+/- 4.378	-	ug/g	130.00	+/- 7.7	-	ug/L
Uranium-233/234												
Uranium-234	167.00	+/- 21.9	J	pCi/L	88.00	+/- 14.3	-	pCi/g	155.00	+/- 19	J	pCi/L
Uranium-235												
Uranium-235/236	7.99	+/- 1.26	J	pCi/L	4.18	+/- .855	-	pCi/g	7.63	+/- 1.11	J	pCi/L
Uranium-236												
Uranium-238	163.00	+/- 21.3	J	pCi/L	91.60	+/- 14.9	-	pCi/g	151.00	+/- 18.5	J	pCi/L

227000

227123

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	SEDIMENT			
Depth:				
Process Area:	1			
Sample:	18E-029			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	-.02	+/- .0942	UJ	pCi/g
Cesium-137	.62	+/- .1532	-	pCi/g
Lead-210	4.41	+/- .5343	J	pCi/g
Neptunium-237	.26	+/- .212	J	pCi/g
Plutonium-238	.45	+/- .5	J	pCi/g
Plutonium-239				
Plutonium-239/240	-.15	+/- .267	UJ	pCi/g
Plutonium-241	-1.01	+/- .762	UJ	pCi/g
Polonium-210	15.80	+/- 3.63	J	pCi/g
Radium-226	3.26	+/- .6748	-	pCi/g
Radium-228	3.92	+/- .5031	-	pCi/g
Strontium-90	.09	+/- .4035	UJ	pCi/g
Technetium-99	18.86	+/- 1.21	-	pCi/g
Thorium-227	4.12		NV	pCi/g
Thorium-228	3.46	+/- .66	-	pCi/g
Thorium-230	18.70	+/- 2.07	J	pCi/g
Thorium-232	2.91	+/- .557	-	pCi/g
Uranium, Total	124.10	+/- 2.892	-	ug/g
Uranium-233/234				
Uranium-234	70.70	+/- 11.4	-	pCi/g
Uranium-235				
Uranium-235/236	3.42	+/- .71	-	pCi/g
Uranium-236				
Uranium-238	76.40	+/- 12.4	-	pCi/g

000723

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	18J-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.05		UJ	pCi/L
Cesium-137	3.26		UJ	pCi/L
Lead-210	2.63		UJ	pCi/L
Neptunium-237	.28		UJ	pCi/L
Plutonium-238	.28		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.36		UJ	pCi/L
Plutonium-241				
Polonium-210	1.29	+/- .437	-	pCi/L
Radium-226	.31		UJ	pCi/L
Radium-228	1.36		UJ	pCi/L
Strontium-90	.50		UJ	pCi/L
Technetium-99	12.40		UJ	pCi/L
Thorium-227				
Thorium-228	.19		UJ	pCi/L
Thorium-230	.33		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L
Uranium, Total	3.30	+/- .178	-	ug/L
Uranium-233/234				
Uranium-234	.38		UJ	pCi/L
Uranium-235				
Uranium-235/236	.25		UJ	pCi/L
Uranium-236				
Uranium-238	1.30	+/- .336	-	pCi/L

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18K-001				18K-003			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.75		UJ	pCi/L	.46	+/- .121	J	pCi/g
Cesium-137	3.64		UJ	pCi/L	4.18	+/- .48	-	pCi/g
Lead-210	2.85		UJ	pCi/L	10.10	+/- 4.68	-	pCi/g
Neptunium-237	.17		UJ	pCi/L	3.36	+/- .284	-	pCi/g
Plutonium-238	.02		UJ	pCi/L	.88	+/- .112	-	pCi/g
Plutonium-239								
Plutonium-239/240	.07	+/- .0511	J	pCi/L	3.04	+/- .307	-	pCi/g
Plutonium-241					5.39	+/- 1.15	-	pCi/g
Polonium-210	.49		UJ	pCi/L	4.69	+/- .505	J	pCi/g
Radium-226	.25		UJ	pCi/L	11.50	+/- .922	-	pCi/g
Radium-228	1.65		UJ	pCi/L	14.00	+/- 1.23	-	pCi/g
Strontium-90	.52	+/- .4	J	pCi/L	3.10	+/- .381	J	pCi/g
Technetium-99	126.00	+/- 19	-	pCi/L	217.00	+/- 17.4	-	pCi/g
Thorium-227								
Thorium-228	.25		UJ	pCi/L	83.00		UJ	pCi/g
Thorium-230	.37		UJ	pCi/L	436.00	+/- 82.9	J	pCi/g
Thorium-232	.17		UJ	pCi/L	142.00	+/- 40.8	J	pCi/g
Uranium, Total	556.00	+/- 35.2	-	ug/L	16200.00	+/- 1590	-	ug/g
Uranium-233/234								
Uranium-234	113.00	+/- 14.6	J	pCi/L	946.00	+/- 111	-	pCi/g
Uranium-235								
Uranium-235/236	14.90	+/- 2.36	J	pCi/L	234.00	+/- 41.3	-	pCi/g
Uranium-236								
Uranium-238	135.00	+/- 17.4	J	pCi/L	1180.00	+/- 131	-	pCi/g

0053525

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18L-001				18L-003			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.07		UJ	pCi/L	.26	+/- .163	J	pCi/g
Cesium-137	10.00		UJ	pCi/L	4.67	+/- .692	-	pCi/g
Lead-210	7.20	+/- 3.2	J	pCi/L	14.88	+/- 1.444	J	pCi/g
Neptunium-237	.24		UJ	pCi/L	1.91	+/- .499	-	pCi/g
Plutonium-238	.33	+/- .48	J	pCi/L	.26	+/- .258	J	pCi/g
Plutonium-239								
Plutonium-239/240	1.90	+/- 1.6	J	pCi/L	1.66	+/- 1.41	J	pCi/g
Plutonium-241	8.60		UJ	pCi/L	2.40	+/- .632	J	pCi/g
Polonium-210	.65		UJ	pCi/L	19.00	+/- 4.07	J	pCi/g
Radium-226	.63		UJ	pCi/L	2.65	+/- .4019	-	pCi/g
Radium-228	.99		UJ	pCi/L	5.10	+/- .8514	-	pCi/g
Strontium-90	2.60	+/- .64	-	pCi/L	11.45	+/- 2.08	J	pCi/g
Technetium-99	120.00	+/- 37	-	pCi/L	2439.00	+/- 106.3	-	pCi/g
Thorium-227					5.04		NV	pCi/g
Thorium-228	.42		UJ	pCi/L	5.54	+/- .969	-	pCi/g
Thorium-230	.60		UJ	pCi/L	13.60	+/- 1.72	J	pCi/g
Thorium-232	.19		UJ	pCi/L	1.50	+/- .456	-	pCi/g
Uranium, Total	76.00	+/- 4.6	-	ug/L	2119.00	+/- 608	-	ug/g
Uranium-233/234								
Uranium-234	84.30	+/- 9.89	J	pCi/L	661.00	+/- 110	-	pCi/g
Uranium-235								
Uranium-235/236	4.88	+/- .71	J	pCi/L	37.80	+/- 7.3	-	pCi/g
Uranium-236								
Uranium-238	107.00	+/- 12.5	J	pCi/L	784.00	+/- 131	-	pCi/g

9212

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	19D-013R

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.80		UJ	pCi/L
Cesium-137	2.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L
Plutonium-238	1.00		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.80		UJ	pCi/L
Plutonium-241			NV	pCi/L
Polonium-210	.60		UJ	pCi/L
Radium-226	.20	+/- .2	R	pCi/L
Radium-228	1.20		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L
Technetium-99	12.80		UJ	pCi/L
Thorium-227				
Thorium-228	-.08	+/- .4596	UJ	pCi/L
Thorium-230	.15	+/- .3728	UJ	pCi/L
Thorium-232	-.05	+/- .3082	UJ	pCi/L
Uranium, Total	171.00	+/- 16.1	J	ug/L
Uranium-233/234				
Uranium-234	49.91	+/- 9.347	J	pCi/L
Uranium-235				
Uranium-235/236	14.51	+/- 3.591	J	pCi/L
Uranium-236				
Uranium-238	51.18	+/- 9.39	J	pCi/L

000727

Appendix L.3 - Supplemental Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	22E-005				22E-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.96		UJ	pCi/L	.10		UJ	pCi/g
Cesium-137	2.70		UJ	pCi/L	.42	+/- .1	-	pCi/g
Lead-210	1.92		UJ	pCi/L	10.30	+/- 2.08	-	pCi/g
Neptunium-237	.14		UJ	pCi/L	.41	+/- .105	-	pCi/g
Plutonium-238	.03		UJ	pCi/L	.14	+/- .0611	J	pCi/g
Plutonium-239								
Plutonium-239/240	.02		UJ	pCi/L	.04		UJ	pCi/g
Plutonium-241								
Polonium-210	.42	+/- .363	J	pCi/L	6.55	+/- .653	J	pCi/g
Radium-226	1.81	+/- .639	-	pCi/L	23.50	+/- 1.7	-	pCi/g
Radium-228	2.50	+/- 1.85	J	pCi/L	19.60	+/- 1.49	-	pCi/g
Strontium-90	.53	+/- .388	J	pCi/L	.11		UJ	pCi/g
Technetium-99	32.70	+/- 12	-	pCi/L	66.20	+/- 5.4	-	pCi/g
Thorium-227								
Thorium-228	2.57		UJ	pCi/L	32.70	+/- 9.03	-	pCi/g
Thorium-230	4.17	+/- 1.99	J	pCi/L	71.80	+/- 12.1	J	pCi/g
Thorium-232	2.21	+/- 1	J	pCi/L	24.00	+/- 5.7	J	pCi/g
Uranium, Total	306.00	+/- 30.1	-	ug/L	3600.00	+/- 355	-	ug/g
Uranium-233/234								
Uranium-234	68.00	+/- 6.36	-	pCi/L	96.10	+/- 17.9	-	pCi/g
Uranium-235								
Uranium-235/236	5.14	+/- .679	-	pCi/L	19.40	+/- 7.56	-	pCi/g
Uranium-236								
Uranium-238	76.70	+/- 7.13	-	pCi/L	111.00	+/- 17	-	pCi/g

000283

2123

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25F-003				25F-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.30	+/- .1	J	pCi/L	.08	+/- .05	J	pCi/g
Cesium-137	1.60		UJ	pCi/L	.80	+/- .3	-	pCi/g
Lead-210	9.60	+/- 1.5	J	pCi/L	3.30	+/- .6	J	pCi/g
Neptunium-237	.59	+/- 3.742	UJ	pCi/L	-.74	+/- .2997	UJ	pCi/g
Plutonium-238	1.10	+/- .2	R	pCi/L	-.49	+/- .1282	UJ	pCi/g
Plutonium-239					.37	+/- .08	J	pCi/g
Plutonium-239/240	.40	+/- .1	R	pCi/L				
Plutonium-241								
Polonium-210	7.50	+/- 1.1	-	pCi/L	4.70	+/- .7	-	pCi/g
Radium-226	8.40	+/- 1.4	J	pCi/L	8.20	+/- 1.3	-	pCi/g
Radium-228	4.20	+/- .7	J	pCi/L	2.80	+/- .6	J	pCi/g
Strontium-90	1.80	+/- .7	-	pCi/L	.90		UJ	pCi/g
Technetium-99	8.40	+/- 3.9	-	pCi/L	1330.00	+/- 433	J	pCi/g
Thorium-227								
Thorium-228	14.10	+/- 2.2	-	pCi/L	1.95	+/- .32	J	pCi/g
Thorium-230	20.20	+/- 3.1	-	pCi/L	5.86	+/- .86	J	pCi/g
Thorium-232	8.90	+/- 1.4	-	pCi/L	1.08	+/- .18	J	pCi/g
Uranium, Total	2650.00	+/- 374	J	ug/L	860.00	+/- 122	-	ug/g
Uranium-233/234								
Uranium-234	1500.00	+/- 391	R	pCi/L	184.80	+/- 32.8	J	pCi/g
Uranium-235					21.97	+/- 6.19	J	pCi/g
Uranium-235/236	148.00	+/- 69.9	R	pCi/L				
Uranium-236								
Uranium-238	1680.00	+/- 431	R	pCi/L	225.10	+/- 39.14	J	pCi/g

0003629

Appendix L.3 - Supplemental Media
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Radionuclides

Material:	SEDIMENT			
Depth:				
Process Area:	1			
Sample:	25G-009R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241				
Cesium-137	.18	+/- .0417	-	pCi/g
Lead-210	3.75		UJ	pCi/g
Neptunium-237				
Plutonium-238				
Plutonium-239				
Plutonium-239/240				
Plutonium-241				
Polonium-210	1.96	+/- .325	J	pCi/g
Radium-226	1.81	+/- .292	-	pCi/g
Radium-228	1.34	+/- .31	-	pCi/g
Strontium-90	.60	+/- .124	-	pCi/g
Technetium-99				
Thorium-227				
Thorium-228				
Thorium-230				
Thorium-232				
Uranium, Total	21100.00	+/- 2080	-	ug/g
Uranium-233/234				
Uranium-234				
Uranium-235				
Uranium-235/236				
Uranium-236				
Uranium-238				

0009230

2123

Appendix L.3 - Supplemental Media
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	25H-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/L
Cesium-137	2.20		UJ	pCi/L
Lead-210	9.40	+/- 2.2	J	pCi/L
Neptunium-237	.60	+/- .2	-	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.10	+/- .1	J	pCi/L
Plutonium-241				
Polonium-210	4.60	+/- 1.3	J	pCi/L
Radium-226	7.90	+/- 1.5	-	pCi/L
Radium-228	3.60	+/- 2.1	J	pCi/L
Strontium-90	4.80		UJ	pCi/L
Technetium-99	71.50	+/- 62.6	J	pCi/L
Thorium-227				
Thorium-228	.52	+/- .4	R	pCi/L
Thorium-230	1.38	+/- .6	R	pCi/L
Thorium-232	.30		R	pCi/L
Uranium, Total	345.00	+/- 139	J	ug/L
Uranium-233/234				
Uranium-234	172.10	+/- 36.7	J	pCi/L
Uranium-235				
Uranium-235/236	17.94	+/- 5.92	J	pCi/L
Uranium-236				
Uranium-238	212.50	+/- 44.61	J	pCi/L

Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	26C-007			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	8.20		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	1.10	+/- .9	J	pCi/L
Radium-228	3.80		UJ	pCi/L
Strontium-90	1.90		UJ	pCi/L
Technetium-99	27.80	+/- 22.3	J	pCi/L
Thorium-227				
Thorium-228	.16	+/- .35	UJ	pCi/L
Thorium-230	.32	+/- .64	UJ	pCi/L
Thorium-232	.20	+/- .27	UJ	pCi/L
Uranium, Total	173.00	+/- 16.2	J	ug/L
Uranium-233/234				
Uranium-234	29.67	+/- 5.28	J	pCi/L
Uranium-235	2.64	+/- .84	J	pCi/L
Uranium-235/236				
Uranium-236				
Uranium-238	37.34	+/- 6.49	J	pCi/L

000232

8212

Appendix L.3 - Supplemental Media
Category 1 - Administrative Support
Component 28A - Security Building
Analytical Results - Radionuclides

Material:	HVAC FILTER			
Depth:				
Process Area:	1			
Sample:	28A-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/g
Cesium-137	.04		UJ	pCi/g
Lead-210	.30	+/- .2	J	pCi/g
Neptunium-237	-.01	+/- .0216	UJ	pCi/g
Plutonium-238	.13		UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.10		UJ	pCi/g
Plutonium-241				
Polonium-210	.90		R	pCi/g
Radium-226	.15	+/- .07	-	pCi/g
Radium-228	.30	+/- .2	J	pCi/g
Strontium-90	1.90		UJ	pCi/g
Technetium-99	2.60		UJ	pCi/g
Thorium-227				
Thorium-228	.02	+/- .05938	UJ	pCi/g
Thorium-230	.13	+/- .07166	J	pCi/g
Thorium-232	.06	+/- .03457	J	pCi/g
Uranium, Total	.40	+/- .1	-	ug/Fil
Uranium-233/234				
Uranium-234	.02	+/- .05637	UJ	pCi/g
Uranium-235				
Uranium-235/236	-.02	+/- .02547	UJ	pCi/g
Uranium-236				
Uranium-238	.14	+/- .03838	J	pCi/g

CS3600

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	31A-007				31A-008				31A-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/g	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	.02		UJ	pCi/g	1.60		UJ	pCi/L	1.60		UJ	pCi/L
Lead-210	.70		UJ	pCi/g	3.30	+/- 2.2	R	pCi/L	2.30	+/- 1.5	J	pCi/L
Neptunium-237	.03		UJ	pCi/g	.20		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-238	.05	+/- .0299	J	pCi/g	.20		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	.04		UJ	pCi/g	.20		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241	.80		UJ	pCi/g								
Polonium-210	.47	+/- .0953	J	pCi/g	3.20	+/- 2	R	pCi/L	3.80	+/- .9	-	pCi/L
Radium-226	.16	+/- .107	J	pCi/g	.30		UJ	pCi/L	.40		UJ	pCi/L
Radium-228	.85	+/- .3	-	pCi/g	2.10		UJ	pCi/L	2.60		UJ	pCi/L
Strontium-90	.13		UJ	pCi/g	4.50		UJ	pCi/L	1.40		UJ	pCi/L
Technetium-99	3.11	+/- .428	-	pCi/g	56.50	+/- 54.3	J	pCi/L	36.10	+/- 41	R	pCi/L
Thorium-227												
Thorium-228	.57	+/- .118	-	pCi/g	8.37		R	pCi/L	.73		R	pCi/L
Thorium-230	1.29	+/- .184	J	pCi/g	9.57	+/- 6.35	R	pCi/L	1.14	+/- .61	R	pCi/L
Thorium-232	.43	+/- .0858	J	pCi/g	3.72		R	pCi/L	.37		R	pCi/L
Uranium, Total	898.00	+/- 88.7	-	ug/g	86.80	+/- 35	J	ug/L	1.90	+/- .2	J	ug/L
Uranium-233/234												
Uranium-234	36.60	+/- 5.3	-	pCi/g	396.90	+/- 129.1	R	pCi/L	.76	+/- .26	J	pCi/L
Uranium-235												
Uranium-235/236	7.81	+/- 2.15	-	pCi/g	397.00	+/- 129.2	R	pCi/L	.06	+/- .12	UJ	pCi/L
Uranium-236												
Uranium-238	44.10	+/- 5.64	-	pCi/g	397.00	+/- 129.2	R	pCi/L	.80	+/- .24	J	pCi/L

0053432

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	31A-010			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14		UJ	pCi/L
Cesium-137	1.90		UJ	pCi/L
Lead-210	2.10		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.75	+/- .64	J	pCi/L
Plutonium-239				
Plutonium-239/240	.14		UJ	pCi/L
Plutonium-241				
Polonium-210	2.80		UJ	pCi/L
Radium-226	.44		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	.43	+/- .18	J	pCi/L
Technetium-99	6.80		UJ	pCi/L
Thorium-227				
Thorium-228	.33		UJ	pCi/L
Thorium-230	.28		UJ	pCi/L
Thorium-232	.21		UJ	pCi/L
Uranium, Total	28.00	+/- .84	-	ug/L
Uranium-233/234				
Uranium-234	11.00	+/- .54	J	pCi/L
Uranium-235				
Uranium-235/236	.53	+/- .13	J	pCi/L
Uranium-236				
Uranium-238	16.00	+/- .66	J	pCi/L

000255

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	6				7				7			
Sample:	37-023R				37-031R				37-034R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	4.05		R	pCi/L	1.00		UJ	pCi/L	.60		UJ	pCi/L
Cesium-137	45.50		UJ	pCi/L	2.00		UJ	pCi/L	1.20		UJ	pCi/L
Lead-210	574.00	+/- 97.7	J	pCi/L	1.40		UJ	pCi/L	12.80	+/- 5.7	J	pCi/L
Neptunium-237	1.20	+/- .9	J	pCi/L	-.04	+/- .33	UJ	pCi/L	-.07	+/- .1	UJ	pCi/L
Plutonium-238	4.50		UJ	pCi/L	.50		UJ	pCi/L	.50		UJ	pCi/L
Plutonium-239												
Plutonium-239/240	2.50		UJ	pCi/L	.20	+/- .2	J	pCi/L	.20		UJ	pCi/L
Plutonium-241							NV	pCi/L			NV	pCi/L
Polonium-210	7.80		UJ	pCi/L	4.20		R	pCi/L	.40	+/- 3.6	R	pCi/L
Radium-226	12.90	+/- 11	J	pCi/L	.60		UJ	pCi/L	1.90	+/- .7	-	pCi/L
Radium-228	26.60		UJ	pCi/L	2.60		UJ	pCi/L	3.60	+/- 2.6	J	pCi/L
Strontium-90	19.30		UJ	pCi/L	3.80		UJ	pCi/L	1.90		UJ	pCi/L
Technetium-99	38300.00	+/- 11000	J	pCi/L	24.30	+/- 20.2	J	pCi/L	80.10	+/- 27.3	-	pCi/L
Thorium-227												
Thorium-228	18.43	+/- 4.61	J	pCi/L	.19	+/- .2538	UJ	pCi/L	.34	+/- .2439	J	pCi/L
Thorium-230	20.46	+/- 5.9	J	pCi/L	-2.06	+/- .68	UJ	pCi/L	-.89	+/- .63	UJ	pCi/L
Thorium-232	17.33	+/- 4.51	J	pCi/L	.10	+/- .1558	UJ	pCi/L	1.26	+/- .2877	J	pCi/L
Uranium, Total	328000.00	+/- 33400	-	ug/L	5.10	+/- .5	-	ug/L	2490.00	+/- 253	-	ug/L
Uranium-233/234												
Uranium-234	136900.00	+/- 23770	J	pCi/L	2.29	+/- .5624	J	pCi/L	23.17	+/- 3.787	J	pCi/L
Uranium-235												
Uranium-235/236	11060.00	+/- 3392	J	pCi/L	.06	+/- .1455	UJ	pCi/L	.98	+/- .3247	J	pCi/L
Uranium-236												
Uranium-238	126000.00	+/- 22030	J	pCi/L	2.79	+/- .6262	J	pCi/L	24.94	+/- 4.055	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39A-011				39A-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.11		UJ	pCi/L	.48	+/- .9	J	pCi/g
Cesium-137	8.20		UJ	pCi/L	.54	+/- .38	J	pCi/g
Lead-210	110.00		UJ	pCi/L	100.00	+/- 22	-	pCi/g
Neptunium-237	.43	+/- .14	-	pCi/L	.07	+/- .038	J	pCi/g
Plutonium-238	.03	+/- .66	J	pCi/L	.11	+/- .57	J	pCi/g
Plutonium-239								
Plutonium-239/240	.35	+/- .66	J	pCi/L	.40	+/- .58	J	pCi/g
Plutonium-241	2.00		UJ	pCi/L	1.90		UJ	pCi/g
Polonium-210	.73	+/- .98	J	pCi/L	29.00	+/- 5.9	R	pCi/g
Radium-226	.57	+/- .18	-	pCi/L	130.00	+/- 28	-	pCi/g
Radium-228	1.60		UJ	pCi/L	9.00	+/- 2.7	-	pCi/g
Strontium-90	1.10		UJ	pCi/L	.20		UJ	pCi/g
Technetium-99	82.00	+/- 14	-	pCi/L	7.60	+/- 1.3	J	pCi/g
Thorium-227								
Thorium-228	.14	+/- .57	J	pCi/L	3.90	+/- .81	-	pCi/g
Thorium-230	6.40	+/- 1.2	J	pCi/L	160.00	+/- 23	-	pCi/g
Thorium-232	.04		UJ	pCi/L	3.70	+/- .8	-	pCi/g
Uranium, Total	720.00	+/- 100	J	ug/L	340.00	+/- 70	-	ug/g
Uranium-233/234								
Uranium-234	350.00	+/- 52	J	pCi/L	34.00	+/- 5.2	-	pCi/g
Uranium-235								
Uranium-235/236	43.00	+/- 8.8	J	pCi/L	5.70	+/- .9	-	pCi/g
Uranium-236								
Uranium-238	250.00	+/- 38	J	pCi/L	210.00	+/- 32	-	pCi/g

000737

Appendix L.3 - Supplemental Media
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39B-006				39B-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	1.31		R	pCi/L	.30	+/- .1	-	pCi/g
Cesium-137	7.10		UJ	pCi/L	.10		UJ	pCi/g
Lead-210	87.90	+/- 13.7	J	pCi/L	6.00	+/- 1	J	pCi/g
Neptunium-237	1.30	+/- .8	J	pCi/L	.36	+/- .071	R	pCi/g
Plutonium-238	.30		R	pCi/L	-.10	+/- .1098	UJ	pCi/g
Plutonium-239					2.26	+/- .35	J	pCi/g
Plutonium-239/240	1.40	+/- .3	R	pCi/L				
Plutonium-241								
Polonium-210	5.20	+/- 1.3	J	pCi/L	7.20	+/- 1	-	pCi/g
Radium-226	8.80	+/- 1.9	J	pCi/L	4.20	+/- .7	-	pCi/g
Radium-228	4.80	+/- 4.2	J	pCi/L	1.00	+/- .4	J	pCi/g
Strontium-90	9.80	+/- 6.3	J	pCi/L	1.70		UJ	pCi/g
Technetium-99	13100.00	+/- 9770	J	pCi/L	50.00	+/- 16.4	J	pCi/g
Thorium-227								
Thorium-228	3.40	+/- 1	J	pCi/L	2.62	+/- .52	J	pCi/g
Thorium-230	21.00	+/- 3.9	J	pCi/L	36.74	+/- 6.12	J	pCi/g
Thorium-232	1.00	+/- .4	J	pCi/L	1.26	+/- .27	J	pCi/g
Uranium, Total	93200.00	+/- 37600	J	ug/L	2020.00	+/- 286	-	ug/g
Uranium-233/234								
Uranium-234	4798.00	+/- 834.7	J	pCi/L	517.50	+/- 99.6	J	pCi/g
Uranium-235					60.51	+/- 18.96	J	pCi/g
Uranium-235/236	4824.00	+/- 838	J	pCi/L				
Uranium-236								
Uranium-238	4824.00	+/- 838	J	pCi/L	620.90	+/- 117.1	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Radionuclides

Material:	HVAC FILTER			
Depth:				
Process Area:	1			
Sample:	45A-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	15.00	+/- 60	J	pCi/Sa
Cesium-137	9.20		UJ	pCi/Sa
Lead-210	910.00	+/- 270	-	pCi/Sa
Neptunium-237	20.00		UJ	pCi/Sa
Plutonium-238	.69		UJ	pCi/Sa
Plutonium-239				
Plutonium-239/240	2.20		UJ	pCi/Sa
Plutonium-241	-.02	+/- 200	UJ	pCi/Sa
Polonium-210	10.00	+/- 7.6	J	pCi/Sa
Radium-226	20.00		UJ	pCi/Sa
Radium-228	35.00		UJ	pCi/Sa
Strontium-90	8.19		UJ	pCi/Sa
Technetium-99	44.00		UJ	pCi/Sa
Thorium-227	18.00		NV	pCi/Sa
Thorium-228	62.00	+/- 46	J	pCi/Sa
Thorium-230	47.00	+/- 44	J	pCi/Sa
Thorium-232	21.00	+/- 43	J	pCi/Sa
Uranium, Total	54.00	+/- 10	-	ug/Fil
Uranium-233/234				
Uranium-234	180.00	+/- 44	-	pCi/Sa
Uranium-235				
Uranium-235/236	21.00	+/- 39	J	pCi/Sa
Uranium-236				
Uranium-238	190.00	+/- 44	-	pCi/Sa

Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Radionuclides

Material:	SEDIMENT				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	46-006				46-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.11		UJ	pCi/g	.20	+/- .2	J	pCi/L
Cesium-137	.07		UJ	pCi/g	1.50		UJ	pCi/L
Lead-210	2.06	+/- 1.16	J	pCi/g	1.50		UJ	pCi/L
Neptunium-237	.06		UJ	pCi/g	-.01	+/- .0504	UJ	pCi/L
Plutonium-238	.10	+/- .0331	-	pCi/g	.30		UJ	pCi/L
Plutonium-239								
Plutonium-239/240	.11	+/- .0371	-	pCi/g	.10		UJ	pCi/L
Plutonium-241	.91		UJ	pCi/g				
Polonium-210	1.48	+/- .194	J	pCi/g	.50	+/- .3	J	pCi/L
Radium-226	2.22	+/- .207	-	pCi/g	.30		UJ	pCi/L
Radium-228	2.01	+/- .265	-	pCi/g	2.40	+/- 1.4	J	pCi/L
Strontium-90	.13		UJ	pCi/g	1.50		UJ	pCi/L
Technetium-99	.52	+/- .236	-	pCi/g	28.10	+/- 21.3	J	pCi/L
Thorium-227								
Thorium-228	4.43	+/- .581	-	pCi/g	.29	+/- .4	UJ	pCi/L
Thorium-230	7.72	+/- .87	J	pCi/g	1.38	+/- .83	J	pCi/L
Thorium-232	4.51	+/- .548	J	pCi/g	-.34	+/- .36	UJ	pCi/L
Uranium, Total	532.00	+/- 52.7	-	ug/g	9.30	+/- .9	J	ug/L
Uranium-233/234								
Uranium-234	64.10	+/- 11.3	-	pCi/g	2.10	+/- .5	J	pCi/L
Uranium-235					.20		UJ	pCi/L
Uranium-235/236	16.90	+/- 5.16	-	pCi/g				
Uranium-236								
Uranium-238	61.00	+/- 9.92	-	pCi/g	2.80	+/- .5	-	pCi/L

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Appendix L.3 - Supplemental Media
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator Shelter
Analytical Results - Radionuclides

Material:	LOOSE MEDIA			
Depth:				
Process Area:	1			
Sample:	54C-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30	+/- .1	J	pCi/g
Cesium-137	.10		UJ	pCi/g
Lead-210	8.20	+/- 1.3	J	pCi/g
Neptunium-237	-.38	+/- .2164	UJ	pCi/g
Plutonium-238	.99	+/- .2997	J	pCi/g
Plutonium-239	.55	+/- .1	J	pCi/g
Plutonium-239/240				
Plutonium-241				
Polonium-210	19.80	+/- 2.6	J	pCi/g
Radium-226	11.50	+/- 1.9	J	pCi/g
Radium-228	7.20	+/- 1.2	J	pCi/g
Strontium-90	.90	+/- .9	J	pCi/g
Technetium-99	21.40	+/- 7	J	pCi/g
Thorium-227				
Thorium-228	13.15	+/- 3.48	J	pCi/g
Thorium-230	10.07	+/- 2.65	J	pCi/g
Thorium-232	5.99	+/- 1.63	J	pCi/g
Uranium, Total	717.00	+/- 101	-	ug/g
Uranium-233/234				
Uranium-234	179.80	+/- 33.81	J	pCi/g
Uranium-235	24.66	+/- 7.13	J	pCi/g
Uranium-235/236				
Uranium-236				
Uranium-238	265.60	+/- 48.07	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	55B-005				55B-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	2.80	+/- .5	J	pCi/g	5.00		R	pCi/L
Cesium-137	1.20		UJ	pCi/g	1.50	+/- 1.6	R	pCi/L
Lead-210	84.20	+/- 13.1	J	pCi/g	18.60	+/- 7.3	J	pCi/L
Neptunium-237	3.47	+/- .538	R	pCi/g	.68	+/- .9533	UJ	pCi/L
Plutonium-238	-.02	+/- .4296	UJ	pCi/g	.21	+/- .3227	UJ	pCi/L
Plutonium-239	6.94	+/- 1.06	J	pCi/g				
Plutonium-239/240					-.07	+/- .1482	UJ	pCi/L
Plutonium-241							NV	pCi/L
Polonium-210	6.40	+/- 1.2	J	pCi/g	1.00		UJ	pCi/L
Radium-226	21.20	+/- 3.9	J	pCi/g	2.40	+/- .8	J	pCi/L
Radium-228	4.10	+/- 3.9	J	pCi/g	1.40	+/- 1.4	UJ	pCi/L
Strontium-90	4.90		UJ	pCi/g	2.60		UJ	pCi/L
Technetium-99	95.00	+/- 44	J	pCi/g	164.00	+/- 39	J	pCi/L
Thorium-227								
Thorium-228	11.57	+/- 7.12	J	pCi/g	.58	+/- .3694	J	pCi/L
Thorium-230	212.30	+/- 95.89	J	pCi/g	2.81	+/- .7405	J	pCi/L
Thorium-232	7.96	+/- 4.84	J	pCi/g	.03	+/- .2403	UJ	pCi/L
Uranium, Total	26500.00	+/- 3750	-	ug/g	5650.00	+/- 575	J	ug/L
Uranium-233/234								
Uranium-234	5552.00	+/- 1218	J	pCi/g	1124.00	+/- 213.8	J	pCi/L
Uranium-235	739.60	+/- 227.2	J	pCi/g	157.80	+/- 44.68	J	pCi/L
Uranium-235/236								
Uranium-236								
Uranium-238	13780.00	+/- 2884	J	pCi/g	1819.00	+/- 332.6	J	pCi/L

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	2				3			
Sample:	66-010				66-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.19		UJ	pCi/g	.60	+/- .29	J	pCi/L
Cesium-137	.07		UJ	pCi/g	110.00	+/- 7	-	pCi/L
Lead-210	2.15		UJ	pCi/g	16.00	+/- 5.1	-	pCi/L
Neptunium-237	.22	+/- .143	J	pCi/g	.68	+/- .26	J	pCi/L
Plutonium-238	.03	+/- .0209	J	pCi/g	.37		UJ	pCi/L
Plutonium-239								
Plutonium-239/240	.12	+/- .0394	-	pCi/g	.35		UJ	pCi/L
Plutonium-241	.92		UJ	pCi/g				
Polonium-210	.43	+/- .121	J	pCi/g	1.60		UJ	pCi/L
Radium-226	.28	+/- .0987	-	pCi/g	1.90	+/- .62	-	pCi/L
Radium-228	.25	+/- .156	J	pCi/g	4.60	+/- 3.6	J	pCi/L
Strontium-90	.11		UJ	pCi/g	20.00	+/- 3.9	J	pCi/L
Technetium-99	7.80	+/- .793	-	pCi/g	1800.00	+/- 84	J	pCi/L
Thorium-227								
Thorium-228	.80	+/- .149	-	pCi/g	4.00	+/- .87	J	pCi/L
Thorium-230	4.30	+/- .506	J	pCi/g	8.30	+/- 1.3	J	pCi/L
Thorium-232	.83	+/- .132	J	pCi/g	2.00	+/- .51	J	pCi/L
Uranium, Total	3140.00	+/- 311	-	ug/g	5400.00	+/- 330	-	ug/L
Uranium-233/234								
Uranium-234	73.90	+/- 9.01	-	pCi/g	.39		UJ	pCi/L
Uranium-235								
Uranium-235/236	6.10	+/- 2.37	-	pCi/g	.04	+/- .15	J	pCi/L
Uranium-236								
Uranium-238	115.00	+/- 12	-	pCi/g	.37		UJ	pCi/L

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Appendix L.3 - Supplemental Media
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SLUDGE			
Depth:								
Process Area:	1				1			
Sample:	69-009				69-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20	+/- .2	J	pCi/L	.24	+/- .148	J	pCi/g
Cesium-137	8.90		UJ	pCi/L	.44	+/- .078	J	pCi/g
Lead-210	11.80	+/- 2.5	-	pCi/L	.96	+/- .38	-	pCi/g
Neptunium-237	-.07	+/- .2002	UJ	pCi/L	.13		UJ	pCi/g
Plutonium-238	.08	+/- .2951	UJ	pCi/L	1.80	+/- 1.5	J	pCi/g
Plutonium-239								
Plutonium-239/240	.40	+/- .1	-	pCi/L	.73	+/- .62	J	pCi/g
Plutonium-241					2.40	+/- .47	-	pCi/g
Polonium-210	.30	+/- .3	J	pCi/L	7.70	+/- 3.5	-	pCi/g
Radium-226	12.20	+/- 2.3	-	pCi/L	6.20	+/- .24	J	pCi/g
Radium-228	3.80	+/- 2.1	J	pCi/L	14.00	+/- 1	J	pCi/g
Strontium-90	4.30	+/- 3	J	pCi/L	7.50	+/- 1.5	J	pCi/g
Technetium-99	257.00	+/- 114	-	pCi/L	140.00	+/- 17	-	pCi/g
Thorium-227								
Thorium-228	6.25	+/- 1.12	J	pCi/L	16.00	+/- 1.7	J	pCi/g
Thorium-230	36.59	+/- 5.56	J	pCi/L	18.00	+/- 1.9	J	pCi/g
Thorium-232	4.70	+/- .89	J	pCi/L	27.00	+/- 2.6	J	pCi/g
Uranium, Total	2060.00	+/- 209	-	ug/L	2000.00	+/- 120	-	ug/g
Uranium-233/234								
Uranium-234	651.20	+/- 89.07	J	pCi/L	1750.00	+/- 710	J	pCi/g
Uranium-235	113.30	+/- 18.28	J	pCi/L				
Uranium-235/236					73.40	+/- 31.6	J	pCi/g
Uranium-236								
Uranium-238	692.60	+/- 94.37	J	pCi/L	1400.00	+/- 567	J	pCi/g

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Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	74A-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.20	+/- 1.2	R	pCi/L
Cesium-137	1.60	+/- 1.6	J	pCi/L
Lead-210	14.50	+/- 6	J	pCi/L
Neptunium-237	5.60	+/- 1	R	pCi/L
Plutonium-238	1.30		R	pCi/L
Plutonium-239				
Plutonium-239/240	.70		R	pCi/L
Plutonium-241			R	pCi/L
Polonium-210	6.30		R	pCi/L
Radium-226	.90	+/- .3	J	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	4.60	+/- 2.5	J	pCi/L
Technetium-99	2750.00	+/- 1020	-	pCi/L
Thorium-227				
Thorium-228	1.60		R	pCi/L
Thorium-230	.90		R	pCi/L
Thorium-232	.80		R	pCi/L
Uranium, Total	6230.00	+/- 635	-	ug/L
Uranium-233/234				
Uranium-234	3520.00	+/- 738	R	pCi/L
Uranium-235				
Uranium-235/236	374.00	+/- 105	R	pCi/L
Uranium-236				
Uranium-238	2570.00	+/- 548	R	pCi/L

25-0000

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	74C-003				74C-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.60	+/- .1	-	pCi/g	.07		UJ	pCi/L
Cesium-137	.20		UJ	pCi/g	7.92		UJ	pCi/L
Lead-210	5.00	+/- .8	J	pCi/g	2.99		UJ	pCi/L
Neptunium-237	.05	+/- .1392	UJ	pCi/g	.09		UJ	pCi/L
Plutonium-238	-.36	+/- .202	UJ	pCi/g	.03		UJ	pCi/L
Plutonium-239	3.70	+/- .67	J	pCi/g				
Plutonium-239/240					.04	+/- .0274	J	pCi/L
Plutonium-241	.00		NV	pCi/g	1.62		UJ	pCi/L
Polonium-210	12.00	+/- 1.6	-	pCi/g	1.34	+/- .446	-	pCi/L
Radium-226	11.80	+/- 1.9	-	pCi/g	.69		UJ	pCi/L
Radium-228	6.30	+/- 1	-	pCi/g	1.09		UJ	pCi/L
Strontium-90	.70		UJ	pCi/g	.60		UJ	pCi/L
Technetium-99	146.00	+/- 47.7	J	pCi/g	63.70	+/- 14.5	-	pCi/L
Thorium-227								
Thorium-228	13.61	+/- 8.07	J	pCi/g	2.75	+/- 1.61	J	pCi/L
Thorium-230	79.83	+/- 43.89	J	pCi/g	4.32	+/- 1.75	J	pCi/L
Thorium-232	8.13	+/- 4.88	J	pCi/g	.58		UJ	pCi/L
Uranium, Total	2060.00	+/- 292	-	ug/g	2110.00	+/- 207	-	ug/L
Uranium-233/234								
Uranium-234	959.40	+/- 201.9	J	pCi/g	707.00	+/- 86.1	J	pCi/L
Uranium-235	150.10	+/- 42.78	J	pCi/g				
Uranium-235/236					66.00	+/- 11.5	J	pCi/L
Uranium-236								
Uranium-238	1075.00	+/- 224.3	J	pCi/g	829.00	+/- 100	J	pCi/L

000746

7173

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74D-003				74D-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.06		UJ	pCi/L	2.60	+/- .5	-	pCi/g
Cesium-137	8.90		UJ	pCi/L	1.70	+/- .8	-	pCi/g
Lead-210	2.65		UJ	pCi/L	40.00	+/- 6.7	J	pCi/g
Neptunium-237	.15		UJ	pCi/L	1.90	+/- .3301	J	pCi/g
Plutonium-238	.11	+/- .042	-	pCi/L	2.31	+/- .6244	J	pCi/g
Plutonium-239					10.76	+/- 1.8	J	pCi/g
Plutonium-239/240	.06	+/- .031	J	pCi/L				
Plutonium-241	1.70		UJ	pCi/L	.00		NV	pCi/g
Polonium-210	.59	+/- .266	-	pCi/L	23.50	+/- 3.3	-	pCi/g
Radium-226	.60		UJ	pCi/L	21.80	+/- 4	-	pCi/g
Radium-228	1.06		UJ	pCi/L	6.50	+/- 3.6	J	pCi/g
Strontium-90	.51		UJ	pCi/L	2.30		UJ	pCi/g
Technetium-99	38.60	+/- 12.4	-	pCi/L	764.00	+/- 352	J	pCi/g
Thorium-227								
Thorium-228	.26	+/- .154	-	pCi/L	13.08	+/- 8.14	J	pCi/g
Thorium-230	1.44	+/- .22	J	pCi/L	235.50	+/- 111.3	J	pCi/g
Thorium-232	.30	+/- .0775	J	pCi/L	9.98	+/- 6.05	J	pCi/g
Uranium, Total	472.00	+/- 46.4	-	ug/L	13400.00	+/- 1890	-	ug/g
Uranium-233/234								
Uranium-234	178.00	+/- 18.1	J	pCi/L	2910.00	+/- 1100	J	pCi/g
Uranium-235					508.40	+/- 211	J	pCi/g
Uranium-235/236	21.40	+/- 2.48	J	pCi/L				
Uranium-236								
Uranium-238	178.00	+/- 18	J	pCi/L	3874.00	+/- 1456	J	pCi/g

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	74G-005				74G-006 DUP				74G-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.75		UJ	pCi/L	1.02		UJ	pCi/L	.40	+/- .19	-	pCi/g
Cesium-137	15.80	+/- 5.57	-	pCi/L	9.55	+/- 3.28	-	pCi/L	1.20	+/- .066	J	pCi/g
Lead-210	5.68		UJ	pCi/L	6.07		UJ	pCi/L	31.00	+/- 2.9	-	pCi/g
Neptunium-237	.93	+/- .529	J	pCi/L	.98	+/- .571	J	pCi/L	.70	+/- .19	J	pCi/g
Plutonium-238	.26		UJ	pCi/L	.24		UJ	pCi/L	.23	+/- .22	J	pCi/g
Plutonium-239												
Plutonium-239/240	1.57	+/- .278	J	pCi/L	.67	+/- .174	J	pCi/L	1.10	+/- .92	J	pCi/g
Plutonium-241									3.60	+/- .56	-	pCi/g
Polonium-210	.62		UJ	pCi/L	.46		UJ	pCi/L	26.00	+/- 6.8	-	pCi/g
Radium-226	.55	+/- .395	J	pCi/L	.59		UJ	pCi/L	8.80	+/- .18	J	pCi/g
Radium-228	41.80	+/- 4.78	-	pCi/L	39.10	+/- 4.5	-	pCi/L	1.70	+/- .91	J	pCi/g
Strontium-90	9.35	+/- 1.22	-	pCi/L	9.12	+/- 1.13	-	pCi/L	8.00	+/- 1.6	-	pCi/g
Technetium-99	390.00	+/- 34.6	J	pCi/L	370.00	+/- 33	J	pCi/L	65.00	+/- 8.3	J	pCi/g
Thorium-227												
Thorium-228	176.00		UJ	pCi/L	483.00		UJ	pCi/L	1.80	+/- .27	J	pCi/g
Thorium-230	138.00		UJ	pCi/L	510.00		UJ	pCi/L	6.30	+/- .68	J	pCi/g
Thorium-232	72.70	+/- 52.6	J	pCi/L	300.00		UJ	pCi/L	.56	+/- .12	J	pCi/g
Uranium, Total	10500.00	+/- 648	-	ug/L	10400.00	+/- 641	-	ug/L	23000.00	+/- 1400	-	ug/g
Uranium-233/234												
Uranium-234	2470.00	+/- 271	J	pCi/L	2260.00	+/- 252	J	pCi/L	2000.00	+/- 830	J	pCi/g
Uranium-235												
Uranium-235/236	330.00	+/- 44.1	-	pCi/L	325.00	+/- 44	-	pCi/L	120.00	+/- 51	J	pCi/g
Uranium-236												
Uranium-238	3410.00	+/- 370	J	pCi/L	3250.00	+/- 359	J	pCi/L	6500.00	+/- 2600	J	pCi/g

000748

7173

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74K - Plant 9 Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	155405-1			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.66		NV	pCi/10
Cesium-137	-1.40		NV	pCi/10
Lead-210	28.00		NV	pCi/10
Neptunium-237	.63		NV	pCi/10
Plutonium-238	.03		NV	pCi/10
Plutonium-239				
Plutonium-239/240	.08		NV	pCi/10
Plutonium-241	.53	+/- .52	J	pCi/10
Polonium-210	.49		NV	pCi/10
Radium-226	6.00		NV	pCi/10
Radium-228	-5.20		NV	pCi/10
Strontium-90	-.42		NV	pCi/10
Technetium-99	-4.50		NV	pCi/10
Thorium-227	3.60		NV	pCi/10
Thorium-228	3.60		NV	pCi/10
Thorium-230	.93		NV	pCi/10
Thorium-232	.42		NV	pCi/10
Uranium, Total	1.20		NV	ug/g
Uranium-233/234				
Uranium-234	.46		NV	pCi/10
Uranium-235				
Uranium-235/236	.08		NV	pCi/10
Uranium-236				
Uranium-238	.47		NV	pCi/10

007749

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Radionuclides

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74N-004

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.17	+/- .42	J	pCi/g
Cesium-137	.36	+/- .15	-	pCi/g
Lead-210	2.00	+/- 1.2	J	pCi/g
Neptunium-237	.04	+/- .033	J	pCi/g
Plutonium-238	.10	+/- .48	J	pCi/g
Plutonium-239				
Plutonium-239/240	.39	+/- .49	J	pCi/g
Plutonium-241	1.80		UJ	pCi/g
Polonium-210	9.70	+/- 3.6	R	pCi/g
Radium-226	.37	+/- .21	J	pCi/g
Radium-228	.79	+/- .47	J	pCi/g
Strontium-90	.20		UJ	pCi/g
Technetium-99	30.00	+/- 4.6	J	pCi/g
Thorium-227				
Thorium-228	4.00	+/- .86	J	pCi/g
Thorium-230	6.80	+/- 1.2	J	pCi/g
Thorium-232	.91	+/- .59	J	pCi/g
Uranium, Total	87.00	+/- 17	-	ug/g
Uranium-233/234				
Uranium-234	81.00	+/- 12	-	pCi/g
Uranium-235				
Uranium-235/236	8.90	+/- 1.4	-	pCi/g
Uranium-236				
Uranium-238	160.00	+/- 24	-	pCi/g

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74Q-005				74Q-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.45	+/- .11	-	pCi/L	.10		UJ	pCi/g
Cesium-137	3.19		UJ	pCi/L	.20	+/- .1	J	pCi/g
Lead-210	3.86		UJ	pCi/L	2.30	+/- .5	J	pCi/g
Neptunium-237	.16	+/- .077	-	pCi/L	.06	+/- .0321	J	pCi/g
Plutonium-238	.50	+/- .0889	-	pCi/L	.10	+/- .09	UJ	pCi/g
Plutonium-239					.15	+/- .06	J	pCi/g
Plutonium-239/240	2.46	+/- .271	-	pCi/L				
Plutonium-241	7.83	+/- 2.26	-	pCi/L				
Polonium-210	2.87	+/- .505	-	pCi/L	4.90	+/- .7	-	pCi/g
Radium-226	.44		UJ	pCi/L	1.30	+/- .3	-	pCi/g
Radium-228	1.14		UJ	pCi/L	.60	+/- .4	J	pCi/g
Strontium-90	.55		UJ	pCi/L	1.20		UJ	pCi/g
Technetium-99	201.00	+/- 26	-	pCi/L	21.60	+/- 7.2	J	pCi/g
Thorium-227								
Thorium-228	5.00	+/- 1.52	J	pCi/L	.59	+/- .14	J	pCi/g
Thorium-230	19.40	+/- 3.13	J	pCi/L	2.70	+/- .42	J	pCi/g
Thorium-232	3.60	+/- 1.04	J	pCi/L	.60	+/- .12	J	pCi/g
Uranium, Total	6890.00	+/- 678	-	ug/L	187.00	+/- 26.5	-	ug/g
Uranium-233/234								
Uranium-234	2750.00	+/- 320	J	pCi/L	75.66	+/- 14.5	J	pCi/g
Uranium-235					7.62	+/- 2.29	J	pCi/g
Uranium-235/236	305.00	+/- 41	J	pCi/L				
Uranium-236								
Uranium-238	2600.00	+/- 303	J	pCi/L	66.53	+/- 12.89	J	pCi/g

000754

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74R-007R				74R-009R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.93	+/- .209	-	pCi/g
Cesium-137	11.00		UJ	pCi/L	.43	+/- .022	-	pCi/g
Lead-210	6.50	+/- 2	J	pCi/L	2.20	+/- .43	-	pCi/g
Neptunium-237	.10	+/- .1499	UJ	pCi/L	.49	+/- .15	-	pCi/g
Plutonium-238	.17	+/- .2382	UJ	pCi/L	.40	+/- .38	J	pCi/g
Plutonium-239								
Plutonium-239/240	.20		UJ	pCi/L	3.60	+/- 3	J	pCi/g
Plutonium-241					7.40	+/- .76	NV	pCi/g
Polonium-210	3.00	+/- .8	J	pCi/L	32.00	+/- 12	NV	pCi/g
Radium-226	2.10	+/- .8	J	pCi/L	4.80	+/- .084	J	pCi/g
Radium-228	2.40		UJ	pCi/L	3.00	+/- .31	J	pCi/g
Strontium-90	2.20		UJ	pCi/L	.40	+/- .31	J	pCi/g
Technetium-99	102.00	+/- 56	J	pCi/L	28.00	+/- 3.4	-	pCi/g
Thorium-227								
Thorium-228	1.86	+/- .51	J	pCi/L	3.70	+/- .57	J	pCi/g
Thorium-230	2.17	+/- .79	J	pCi/L	43.00	+/- 4.7	J	pCi/g
Thorium-232	.63	+/- .33	J	pCi/L	2.80	+/- .41	J	pCi/g
Uranium, Total	1320.00	+/- 134	J	ug/L	2000.00	+/- 120	-	ug/g
Uranium-233/234								
Uranium-234	541.80	+/- 75.99	J	pCi/L	660.00	+/- 94	J	pCi/g
Uranium-235	60.57	+/- 10.65	J	pCi/L				
Uranium-235/236					32.00	+/- 5.6	J	pCi/g
Uranium-236								
Uranium-238	491.60	+/- 69.11	J	pCi/L	650.00	+/- 94	J	pCi/g

252000

252129

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:												
Process Area:	1				1				1			
Sample:	74T-005				74T-012				74T-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.50		R	pCi/L	.20	+/- .1	J	pCi/g	.80		R	pCi/L
Cesium-137	1.40		UJ	pCi/L	1.60	+/- .2	J	pCi/g	1.10		UJ	pCi/L
Lead-210	3.30		J	pCi/L	4.10	+/- .7	J	pCi/g	1.60	+/- 1.6	J	pCi/L
Neptunium-237	.05	+/- .9928	UJ	pCi/L	-.75	+/- .3288	UJ	pCi/g	-1.34	+/- 2.71	UJ	pCi/L
Plutonium-238	-.03	+/- .3151	UJ	pCi/L	.14	+/- .1697	UJ	pCi/g	-.07	+/- .3228	UJ	pCi/L
Plutonium-239					.38	+/- .08	J	pCi/g				
Plutonium-239/240	-.01	+/- .1733	UJ	pCi/L					.03	+/- .1855	UJ	pCi/L
Plutonium-241			NV	pCi/L							NV	pCi/L
Polonium-210	1.50		UJ	pCi/L	8.90	+/- 1.2	J	pCi/g	.70		UJ	pCi/L
Radium-226	.60		UJ	pCi/L	7.30	+/- 1.2	J	pCi/g	.80	+/- .6	J	pCi/L
Radium-228	1.50	+/- 1.6	R	pCi/L	4.30	+/- .8	J	pCi/g	1.20	+/- 1.4	R	pCi/L
Strontium-90	2.80	+/- 3.1	R	pCi/L	.60		UJ	pCi/g	2.50		UJ	pCi/L
Technetium-99	199.00	+/- 44.4	J	pCi/L	23.60	+/- 7.8	J	pCi/g	249.00	+/- 49.7	J	pCi/L
Thorium-227												
Thorium-228	.00	+/- .2466	UJ	pCi/L	7.23	+/- 2.27	J	pCi/g	.21	+/- .2365	UJ	pCi/L
Thorium-230	.71	+/- .4078	J	pCi/L	19.69	+/- 5.62	J	pCi/g	.27	+/- .3988	UJ	pCi/L
Thorium-232	-.02	+/- .1701	UJ	pCi/L	5.25	+/- 1.63	J	pCi/g	.14	+/- .1925	UJ	pCi/L
Uranium, Total	1690.00	+/- 172	J	ug/L	407.00	+/- 57.6	-	ug/g	1220.00	+/- 125	J	ug/L
Uranium-233/234												
Uranium-234	474.70	+/- 88.57	J	pCi/L	15.28	+/- 2.83	J	pCi/g	662.20	+/- 146.9	J	pCi/L
Uranium-235	56.85	+/- 15.46	J	pCi/L	1.80	+/- .67	J	pCi/g	67.31	+/- 20.75	J	pCi/L
Uranium-235/236												
Uranium-236												
Uranium-238	603.30	+/- 110.8	J	pCi/L	25.91	+/- 4.12	J	pCi/g	735.40	+/- 162.2	J	pCi/L

000253

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Radionuclides

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74T-017				74T-019			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/g	.40	+/- .1	J	pCi/g
Cesium-137	.00		UJ	pCi/g	4.30	+/- .4	J	pCi/g
Lead-210	.90	+/- .3	J	pCi/g	16.50	+/- 2.5	J	pCi/g
Neptunium-237	.00	+/- .0194	UJ	pCi/g	-1.63	+/- .8523	UJ	pCi/g
Plutonium-238	.02	+/- .08	UJ	pCi/g	-.11	+/- .1196	UJ	pCi/g
Plutonium-239	.00	+/- .04	UJ	pCi/g	.82	+/- .15	J	pCi/g
Plutonium-239/240								
Plutonium-241								
Polonium-210	1.80	+/- .3	J	pCi/g	41.40	+/- 5.4	J	pCi/g
Radium-226	.80	+/- .2	J	pCi/g	8.20	+/- 1.3	J	pCi/g
Radium-228	.40		UJ	pCi/g	3.70	+/- .7	J	pCi/g
Strontium-90	1.20	+/- .9	J	pCi/g	.90		UJ	pCi/g
Technetium-99	12.40	+/- 4.1	J	pCi/g	42.30	+/- 13.9	J	pCi/g
Thorium-227								
Thorium-228	.34	+/- .11	J	pCi/g	3.35	+/- 1.37	J	pCi/g
Thorium-230	1.08	+/- .2	J	pCi/g	23.56	+/- 7.58	J	pCi/g
Thorium-232	.23	+/- .06	J	pCi/g	1.63	+/- .71	J	pCi/g
Uranium, Total	6.60	+/- .9	-	ug/g	637.00	+/- 90.1	-	ug/g
Uranium-233/234								
Uranium-234	1.76	+/- .27	J	pCi/g	161.20	+/- 29.4	J	pCi/g
Uranium-235	.23	+/- .06	J	pCi/g	24.49	+/- 6.51	J	pCi/g
Uranium-235/236								
Uranium-236								
Uranium-238	2.28	+/- .33	J	pCi/g	220.90	+/- 39.1	J	pCi/g

000754

2123

Appendix L.3 - Supplemental Media
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	74W-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.53	+/- .109	-	pCi/L
Cesium-137	8.28		UJ	pCi/L
Lead-210	22.50	+/- 3.62	-	pCi/L
Neptunium-237	.46	+/- .118	J	pCi/L
Plutonium-238	.22	+/- .0586	-	pCi/L
Plutonium-239				
Plutonium-239/240	3.43	+/- .361	-	pCi/L
Plutonium-241	11.20	+/- 2.57	-	pCi/L
Polonium-210	18.50	+/- 2.21	-	pCi/L
Radium-226	35.50	+/- 4.26	-	pCi/L
Radium-228	2.27		UJ	pCi/L
Strontium-90	.62		UJ	pCi/L
Technetium-99	173.00	+/- 23.5	-	pCi/L
Thorium-227				
Thorium-228	22.30		UJ	pCi/L
Thorium-230	319.00	+/- 47.6	J	pCi/L
Thorium-232	13.50	+/- 7.61	J	pCi/L
Uranium, Total	4250.00	+/- 418	-	ug/L
Uranium-233/234				
Uranium-234	2030.00	+/- 252	J	pCi/L
Uranium-235				
Uranium-235/236	224.00	+/- 32.3	J	pCi/L
Uranium-236				
Uranium-238	1570.00	+/- 197	J	pCi/L

SS6000

Appendix L.3 - Supplemental Media
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	1			
Sample:	88-001			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.42		UJ	pCi/L
Cesium-137	7.41		UJ	pCi/L
Lead-210	2.61		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L
Plutonium-239				
Plutonium-239/240	.05		UJ	pCi/L
Plutonium-241				
Polonium-210	.59	+/- .396	J	pCi/L
Radium-226	.29		UJ	pCi/L
Radium-228	1.88		UJ	pCi/L
Strontium-90	2.72	+/- .499	-	pCi/L
Technetium-99	88.20	+/- 16.1	-	pCi/L
Thorium-227				
Thorium-228	.19		UJ	pCi/L
Thorium-230	.34		UJ	pCi/L
Thorium-232	.22	+/- .149	J	pCi/L
Uranium, Total	3460.00	+/- 219	-	ug/L
Uranium-233/234				
Uranium-234	335.00	+/- 73.8	R	pCi/L
Uranium-235				
Uranium-235/236	26.90	+/- 6.96	R	pCi/L
Uranium-236				
Uranium-238	1090.00	+/- 237	R	pCi/L

SS3000

3212

Appendix L.3 - Supplemental Media
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Radionuclides

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	G3-001				G3-002 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20	+/- .2	J	pCi/L	.30	+/- .2	J	pCi/L
Cesium-137	8.40		UJ	pCi/L	6.70		UJ	pCi/L
Lead-210	47.60	+/- 7.6	J	pCi/L	55.90	+/- 8.8	J	pCi/L
Neptunium-237	-.98	+/- .6381	UJ	pCi/L	6.44	+/- 9.586	UJ	pCi/L
Plutonium-238	-.09	+/- .2259	UJ	pCi/L	.02	+/- .2363	UJ	pCi/L
Plutonium-239								
Plutonium-239/240	.20		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241								
Polonium-210	3.40	+/- .7	-	pCi/L	6.20	+/- 1.1	-	pCi/L
Radium-226	24.60	+/- 4.3	-	pCi/L	26.50	+/- 4.5	-	pCi/L
Radium-228	3.30	+/- 2	J	pCi/L	4.30	+/- 2.1	-	pCi/L
Strontium-90	2.40	+/- 2.3	J	pCi/L	2.40	+/- 2.2	J	pCi/L
Technetium-99	584.00	+/- 247	-	pCi/L	442.00	+/- 189	-	pCi/L
Thorium-227								
Thorium-228	2.02	+/- .59	J	pCi/L	2.73	+/- .66	J	pCi/L
Thorium-230	101.40	+/- 16.19	J	pCi/L	111.70	+/- 17.39	J	pCi/L
Thorium-232	3.39	+/- .8	J	pCi/L	4.86	+/- .99	J	pCi/L
Uranium, Total	11300.00	+/- 1150	-	ug/L	14400.00	+/- 1470	-	ug/L
Uranium-233/234								
Uranium-234	4261.00	+/- 617.5	J	pCi/L	10730.00	+/- 1528	J	pCi/L
Uranium-235	2436.00	+/- 364.2	J	pCi/L	3838.00	+/- 570	J	pCi/L
Uranium-235/236								
Uranium-236								
Uranium-238	5206.00	+/- 747.1	J	pCi/L	11110.00	+/- 1580	J	pCi/L

23000

Appendix L.3 - Supplemental Media
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	SOIL				SOIL				SOIL			
Depth:	0-3.96"				0-36"				33-39"			
Process Area:	1				2				4			
Sample:	G13-001R				G13-004R				G13-004-R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.03	+/- .0533	UJ	pCi/g	.08	+/- .0829	UJ	pCi/g	.16		NV	pCi/g
Cesium-137	.03	+/- .01765	J	pCi/g	.02	+/- .01642	UJ	pCi/g				
Lead-210	1.71	+/- .409	-	pCi/g	1.56	+/- .36	-	pCi/g	1.05		NV	pCi/g
Neptunium-237	-.06	+/- .188	UJ	pCi/g	-.03	+/- .228	UJ	pCi/g	.11		NV	pCi/g
Plutonium-238	.00	+/- .0593	UJ	pCi/g	.03	+/- .051	UJ	pCi/g				
Plutonium-239												
Plutonium-239/240	.10	+/- .0967	J	pCi/g	.01	+/- .0188	UJ	pCi/g	.06		NV	pCi/g
Plutonium-241	-.59	+/- .515	UJ	pCi/g	-.18	+/- .514	UJ	pCi/g	-.69		NV	pCi/g
Polonium-210	2.07	+/- .646	J	pCi/g	1.22	+/- 1.08	R	pCi/g	.74		NV	pCi/g
Radium-226	1.39	+/- .1936	-	pCi/g	1.12	+/- .206	-	pCi/g				
Radium-228	1.00	+/- .1831	-	pCi/g	1.56	+/- .2444	-	pCi/g				
Strontium-90	-.01	+/- .187	UJ	pCi/g	.07	+/- .187	UJ	pCi/g	-.46		NV	pCi/g
Technetium-99	2.26	+/- .426	-	pCi/g	3.32	+/- .452	-	pCi/g	1.25		NV	pCi/g
Thorium-227	2.21		NV	pCi/g	1.41		NV	pCi/g	.16		NV	pCi/g
Thorium-228	1.12	+/- .4	-	pCi/g	.97	+/- .414	-	pCi/g	.94		NV	pCi/g
Thorium-230	9.82	+/- 1.24	-	pCi/g	2.02	+/- .558	-	pCi/g	1.82		NV	pCi/g
Thorium-232	.78	+/- .405	J	pCi/g	.48	+/- .354	J	pCi/g	1.00		NV	pCi/g
Uranium, Total	14.47	+/- .3157	-	ug/g	44.40		NV	ug/g	21.40		NV	ug/g
Uranium-233/234												
Uranium-234	4.62	+/- .886	-	pCi/g	17.10		NV	pCi/g	9.94		NV	pCi/g
Uranium-235												
Uranium-235/236	.22	+/- .143	J	pCi/g	.55	+/- .232	-	pCi/g	.35		NV	pCi/g
Uranium-236												
Uranium-238	4.48	+/- .872	-	pCi/g	16.10	+/- 2.81	-	pCi/g				

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2173

Appendix L.3 - Supplemental Media
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	SOIL				SOIL				SOIL			
Depth:	0-24"				0-3"							
Process Area:	2				5				5			
Sample:	G13-007-R				G13-010-R				G13-011 DUP			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.05		NV	pCi/g	.03		NV	pCi/g	.10		UJ	pCi/g
Cesium-137	.05		NV	pCi/g	.01		NV	pCi/g	.04		UJ	pCi/g
Lead-210	1.38		NV	pCi/g	1.23		NV	pCi/g	.67	+/- .36	J	pCi/g
Neptunium-237	.00		NV	pCi/g	.01		NV	pCi/g	.12		UJ	pCi/g
Plutonium-238	.00	+/- .049	UJ	pCi/g	.01	+/- .037	UJ	pCi/g	.15		UJ	pCi/g
Plutonium-239												
Plutonium-239/240	.00	+/- .0318	UJ	pCi/g	.05	+/- .0537	J	pCi/g	.14		UJ	pCi/g
Plutonium-241	-.64		NV	pCi/g	-.72		NV	pCi/g				
Polonium-210	.60	+/- .496	J	pCi/g	1.61	+/- .598	J	pCi/g	5.80	+/- 3	J	pCi/g
Radium-226	1.17		NV	pCi/g	1.05		NV	pCi/g	1.10	+/- .2	J	pCi/g
Radium-228	1.00	+/- .2426	-	pCi/g	1.19	+/- .2032	-	pCi/g	1.20	+/- 1.1	J	pCi/g
Strontium-90	-.12		NV	pCi/g	-.09		NV	pCi/g	.54	+/- .27	J	pCi/g
Technetium-99	2.75		NV	pCi/g	2.97		NV	pCi/g	.41	+/- .29	J	pCi/g
Thorium-227	2.58		NV	pCi/g	2.70		NV	pCi/g				
Thorium-228	1.23		NV	pCi/g	1.03		NV	pCi/g	1.40	+/- .26	J	pCi/g
Thorium-230	1.72		NV	pCi/g	1.06		NV	pCi/g	1.60	+/- .25	J	pCi/g
Thorium-232	1.13		NV	pCi/g	.63		NV	pCi/g	.93	+/- .18	J	pCi/g
Uranium, Total	29.10		NV	ug/g	20.10		NV	ug/g	22.00	+/- 1.4	-	ug/g
Uranium-233/234												
Uranium-234	12.00		NV	pCi/g	5.65		NV	pCi/g	8.53	+/- 1.11	J	pCi/g
Uranium-235												
Uranium-235/236	.50		NV	pCi/g	.24		NV	pCi/g	.36	+/- .136	J	pCi/g
Uranium-236												
Uranium-238	11.70	+/- 2.08	-	pCi/g	6.51	+/- 1.23	-	pCi/g	10.00	+/- 1.28	J	pCi/g

000355

Appendix L.3 - Supplemental Media
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	SOIL				SOIL				SOIL			
Depth:									36-44.04"			
Process Area:	5				8				8			
Sample:	G13-015R				G13-019S-R				G13-019-R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06	+/- .089	UJ	pCi/g	.04	+/- .0945	UJ	pCi/g	.04		NV	pCi/g
Cesium-137	.14	+/- .0536	-	pCi/g	.11	+/- .0607	J	pCi/g	.91		NV	pCi/g
Lead-210	1.34	+/- .357	-	pCi/g	4.18	+/- .5868	J	pCi/g	3.37		NV	pCi/g
Neptunium-237	.49	+/- .347	J	pCi/g	.16	+/- .213	J	pCi/g	.00		NV	pCi/g
Plutonium-238	.08	+/- .085	J	pCi/g					.05	+/- .0723	UJ	pCi/g
Plutonium-239	.04	+/- .0494	J	pCi/g								
Plutonium-239/240					-.01	+/- .336	UJ	pCi/g	.04	+/- .0545	UJ	pCi/g
Plutonium-241	-.35	+/- .578	UJ	pCi/g	-.24	+/- .761	UJ	pCi/g	-.42		NV	pCi/g
Polonium-210	1.89	+/- .734	J	pCi/g	3.00	+/- 1.06	J	pCi/g	2.55	+/- .867	J	pCi/g
Radium-226	1.07	+/- .1885	-	pCi/g	2.43	+/- .355	-	pCi/g	1.36		NV	pCi/g
Radium-228	1.38	+/- .4269	-	pCi/g	1.06	+/- .3312	-	pCi/g	1.23	+/- .2192	-	pCi/g
Strontium-90	-.24	+/- .196	UJ	pCi/g	.41	+/- .414	J	pCi/g	-.62		NV	pCi/g
Technetium-99	2.43	+/- .44	-	pCi/g	.63	+/- .3759	J	pCi/g	3.98		NV	pCi/g
Thorium-227					-2.16		NV	pCi/g	1.38		NV	pCi/g
Thorium-228	.90	+/- .459	J	pCi/g	1.64	+/- .477	-	pCi/g	1.31		NV	pCi/g
Thorium-230	2.31	+/- .628	-	pCi/g	6.44	+/- 1.01	J	pCi/g	4.46		NV	pCi/g
Thorium-232	.57	+/- .403	J	pCi/g	1.39	+/- .401	-	pCi/g	.46		NV	pCi/g
Uranium, Total	58.91	+/- 3.734	-	ug/g	63.21	+/- 1.522	-	ug/g	56.80		NV	ug/g
Uranium-233/234												
Uranium-234	17.20	+/- 3.06	-	pCi/g	23.00	+/- 3.88	-	pCi/g	18.80		NV	pCi/g
Uranium-235												
Uranium-235/236	.75	+/- .315	-	pCi/g	.89	+/- .276	-	pCi/g	.88		NV	pCi/g
Uranium-236												
Uranium-238	19.80	+/- 3.48	-	pCi/g					20.80	+/- 3.53	-	pCi/g

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Appendix L.3 - Supplemental Media
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	SOIL				SOIL				SOIL			
Depth:	0-16"				0-30"				0-12"			
Process Area:	10				10				10			
Sample:	G13-022-R				G13-023-R				G13-024			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04	+/- .086	UJ	pCi/g	.08	+/- .0953	UJ	pCi/g	.16	+/- .136	UJ	pCi/g
Cesium-137	.03	+/- .171	J	pCi/g	.13	+/- .034	-	pCi/g	.05	+/- .02321	-	pCi/g
Lead-210	1.71	+/- .407	-	pCi/g	2.23	+/- .382	-	pCi/g	1.05	+/- .369	-	pCi/g
Neptunium-237	-.04	+/- .174	UJ	pCi/g	.04	+/- .234	UJ	pCi/g	.11	+/- .272	UJ	pCi/g
Plutonium-238	.02	+/- .0391	UJ	pCi/g	-.84	+/- 1.24	R	pCi/g	.16	+/- .145	J	pCi/g
Plutonium-239												
Plutonium-239/240	.01	+/- .0192	UJ	pCi/g	.29	+/- 1.13	R	pCi/g	.06	+/- .067	J	pCi/g
Plutonium-241	-.43	+/- .516	UJ	pCi/g	-.50	+/- .534	UJ	pCi/g	-.69	+/- .506	UJ	pCi/g
Polonium-210	.73	+/- .463	J	pCi/g	2.01	+/- .692	J	pCi/g	.74	+/- .521	J	pCi/g
Radium-226	1.14	+/- .1617	-	pCi/g	1.42	+/- .2091	-	pCi/g	1.05	+/- .2116	-	pCi/g
Radium-228	.92	+/- .1735	-	pCi/g	1.74	+/- .2707	-	pCi/g	1.49	+/- .2335	-	pCi/g
Strontium-90	.14	+/- .186	UJ	pCi/g	-.55	+/- .208	UJ	pCi/g	-.47	+/- .189	UJ	pCi/g
Technetium-99	2.56	+/- .4433	-	pCi/g	1.13	+/- .4239	-	pCi/g	1.25	+/- .4046	-	pCi/g
Thorium-227	.69		NV	pCi/g	1.42		NV	pCi/g	.16		NV	pCi/g
Thorium-228	1.47	+/- .462	-	pCi/g	2.27	+/- .67	-	pCi/g	.94	+/- .454	-	pCi/g
Thorium-230	1.42	+/- .478	-	pCi/g	2.75	+/- .707	-	pCi/g	1.82	+/- .603	-	pCi/g
Thorium-232	.86		NV	pCi/g	2.03	+/- .588	-	pCi/g	1.00	+/- .483	-	pCi/g
Uranium, Total	23.50		NV	ug/g	70.09	+/- 4.402	-	ug/g	21.44	+/- 1.392	-	ug/g
Uranium-233/234												
Uranium-234	6.55		NV	pCi/g	38.30	+/- 6.44	-	pCi/g	9.94	+/- 1.83	-	pCi/g
Uranium-235												
Uranium-235/236	.20		NV	pCi/g	1.73	+/- .54	-	pCi/g	.35	+/- .202	J	pCi/g
Uranium-236												
Uranium-238	6.56	+/- 1.24	-	pCi/g	39.00	+/- 6.56	-	pCi/g	9.90	+/- 1.83	-	pCi/g

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Appendix L.3 - Supplemental Media
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	SOIL
Depth:	0-24"
Process Area:	10
Sample:	G13-025-R

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.07	+/- .0958	UJ	pCi/g
Cesium-137	.04	+/- .0244	J	pCi/g
Lead-210	1.85	+/- .371	-	pCi/g
Neptunium-237	-.08	+/- .25	UJ	pCi/g
Plutonium-238	.02	+/- .0332	UJ	pCi/g
Plutonium-239				
Plutonium-239/240	.01	+/- .0179	UJ	pCi/g
Plutonium-241	-.59	+/- .526	UJ	pCi/g
Polonium-210	1.43	+/- .543	J	pCi/g
Radium-226	1.19	+/- .2528	-	pCi/g
Radium-228	1.08	+/- .2263	-	pCi/g
Strontium-90	-.66	+/- .247	UJ	pCi/g
Technetium-99	1.58	+/- .447	-	pCi/g
Thorium-227	.52		NV	pCi/g
Thorium-228	.77	+/- .449	J	pCi/g
Thorium-230	1.45	+/- .542	-	pCi/g
Thorium-232	.32	+/- .373	UJ	pCi/g
Uranium, Total	14.14	+/- .3145	-	ug/g
Uranium-233/234				
Uranium-234	5.72	+/- 1.13	-	pCi/g
Uranium-235				
Uranium-235/236	.18	+/- .155	J	pCi/g
Uranium-236				
Uranium-238	5.97	+/- 1.19	-	pCi/g

Appendix L.3 - Additional Data
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	6			
Sample:	1A-028			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	88.50	ug/L	U
Antimony	U	51.00	ug/L	U
Arsenic	U	0.88	ug/L	U
Barium	B	43.20	ug/L	-
Beryllium	U	0.40	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium		23400.00	ug/L	-
Chromium	U	6.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	B	13.50	ug/L	U
Iron		546.00	ug/L	-
Lead	*	7.40	ug/L	UJ
Magnesium	B	4430.00	ug/L	-
Manganese	B	6.20	ug/L	-
Mercury	B	0.07	ug/L	UJ
Molybdenum				
Nickel	U	9.00	ug/L	U
Potassium		5860.00	ug/L	-
Selenium	B	1.90	ug/L	-
Silicon				
Silver	U	4.00	ug/L	U
Sodium		6970.00	ug/L	-
Thallium	U	1.10	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc		52.50	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				3				4				4				4			
Sample:	2A-012				2A-035				2A-046				2A-048				2A-049 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		615.00	ug/L	J	U	94.00	ug/L	U		5280.00	mg/kg	-	B	132.00	ug/L	-	B	113.00	ug/L	-
Antimony	U	30.50	ug/L	UJ	U	50.00	ug/L	U	JN	7.20	mg/kg	J	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	0.80	ug/L	UJ	U	3.00	ug/L	U	*E	171.00	mg/kg	J		15.70	ug/L	-	U	3.00	ug/L	U
Barium	B	67.40	ug/L	J	U	20.00	ug/L	U	JN*	69.90	mg/kg	J		311.00	ug/L	-		310.00	ug/L	-
Beryllium	B	1.40	ug/L	UJ	U	1.00	ug/L	U	U	0.03	mg/kg	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	B	1.40	ug/L	J	U	3.00	ug/L	U	JEN	31.90	mg/kg	J	B	3.60	ug/L	-	B	3.60	ug/L	-
Calcium		11500.00	ug/L	J	U	135.00	ug/L	U	E	16700.00	mg/kg	J		373000.00	ug/L	-		378000.00	ug/L	-
Chromium	B	8.00	ug/L	J	U	9.00	ug/L	U		1160.00	mg/kg	-	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	B	5.00	ug/L	J	U	19.00	ug/L	U	E	13.10	mg/kg	J	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper		111.00	ug/L	J	U	24.00	ug/L	U		820.00	mg/kg	-		69.50	ug/L	-		64.30	ug/L	-
Iron	N	1520.00	ug/L	J	U	26.00	ug/L	U		213000.00	mg/kg	-		235.00	ug/L	-		209.00	ug/L	-
Lead		136.00	ug/L	J	N*	10.30	ug/L	J	E	3350.00	mg/kg	J		23.70	ug/L	U	JW	15.00	ug/L	UJ
Magnesium	B	3850.00	ug/L	J	U	95.00	ug/L	U		5860.00	mg/kg	-		114000.00	ug/L	-		114000.00	ug/L	-
Manganese		50.90	ug/L	J	U	8.00	ug/L	U	E	609.00	mg/kg	J		363.00	ug/L	-		365.00	ug/L	-
Mercury	B	0.18	ug/L	J	U	0.10	ug/L	U	JN	2.20	mg/kg	J	BJN	0.10	ug/L	J	URN	0.10	ug/L	R
Molybdenum																				
Nickel	B	38.30	ug/L	J	U	20.00	ug/L	U	E	347.00	mg/kg	J	B	36.10	ug/L	-	B	31.30	ug/L	-
Potassium	B	870.00	ug/L	J	U	882.00	ug/L	U		825.00	mg/kg	-		15300.00	ug/L	-		15100.00	ug/L	-
Selenium	U	1.10	ug/L	UJ	U	3.00	ug/L	U	JN*	49.80	mg/kg	J	UJN	30.00	ug/L	U	UJN	30.00	ug/L	U
Silicon																				
Silver	BN	5.20	ug/L	UJ	U	5.00	ug/L	U	JN	1.10	mg/kg	J	UN	5.00	ug/L	R	URN	5.00	ug/L	R
Sodium	B	1580.00	ug/L	J	U	358.00	ug/L	U		3230.00	mg/kg	-		238000.00	ug/L	-		237000.00	ug/L	-
Thallium	UW	1.30	ug/L	UJ	URW	30.00	ug/L	R	U	0.17	mg/kg	U	UJN	3.00	ug/L	U	UJN	3.00	ug/L	U
Vanadium	U	4.00	ug/L	UJ	U	12.00	ug/L	U		21.90	mg/kg	-	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc		125.00	ug/L	J	B	19.80	ug/L	-		2210.00	mg/kg	-		135.00	ug/L	-		128.00	ug/L	-

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	2B-005				2B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3500.00	ug/L	-		3260.00	mg/kg	-
Antimony	U	30.50	ug/L	U	N*	214.00	mg/kg	J
Arsenic	B	5.10	ug/L	-	N*	18.30	mg/kg	J
Barium	B	80.20	ug/L	-	*	671.00	mg/kg	-
Beryllium	B	0.85	ug/L	U	B	0.29	mg/kg	U
Cadmium	B	2.50	ug/L	U	N*	11.30	mg/kg	J
Calcium		231000.00	ug/L	-	*	38100.00	mg/kg	J
Chromium	B	5.80	ug/L	-	*	1880.00	mg/kg	J
Cobalt	U	4.20	ug/L	U	BN*	36.80	mg/kg	-
Copper		36.90	ug/L	-	*	2760.00	mg/kg	J
Iron		3220.00	ug/L	-	*	126000.00	mg/kg	J
Lead		20.20	ug/L	-		3860.00	mg/kg	-
Magnesium		75300.00	ug/L	-	*	29800.00	mg/kg	J
Manganese		383.00	ug/L	-	*	809.00	mg/kg	J
Mercury		0.36	ug/L	U	*	12.40	mg/kg	J
Molybdenum								
Nickel	U	18.60	ug/L	U	*	1490.00	mg/kg	J
Potassium		13200.00	ug/L	-	U	542.00	mg/kg	U
Selenium	UWN	0.90	ug/L	UJ	N*	3.90	mg/kg	-
Silicon								
Silver	U	3.70	ug/L	U	N*	18.70	mg/kg	J
Sodium		90600.00	ug/L	-	B	336.00	mg/kg	-
Thallium	UN	5.50	ug/L	U	U	0.54	mg/kg	U
Vanadium	B	35.60	ug/L	-	B*	40.00	mg/kg	-
Zinc		225.00	ug/L	-		1600.00	mg/kg	-

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	2C-007				2C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	132.00	ug/L	U		9760.00	mg/kg	-
Antimony	U	46.00	ug/L	U	UN	17.80	mg/kg	UJ
Arsenic	U	3.00	ug/L	U		9.30	mg/kg	-
Barium	B	30.80	ug/L	-		181.00	mg/kg	-
Beryllium	U	1.00	ug/L	U	B	0.63	mg/kg	-
Cadmium	U	3.00	ug/L	U		6.50	mg/kg	U
Calcium		21900.00	ug/L	-		47900.00	mg/kg	-
Chromium	U	4.00	ug/L	U		125.00	mg/kg	-
Cobalt	U	8.00	ug/L	U	B	11.60	mg/kg	-
Copper	B	6.40	ug/L	U		419.00	mg/kg	-
Iron		438.00	ug/L	-	E	82000.00	mg/kg	-
Lead		5.60	ug/L	-		1010.00	mg/kg	-
Magnesium	B	1130.00	ug/L	-		15300.00	mg/kg	-
Manganese		51.40	ug/L	-	E	817.00	mg/kg	-
Mercury	U	0.20	ug/L	U		0.27	mg/kg	-
Molybdenum								
Nickel	U	8.00	ug/L	U		41.30	mg/kg	-
Potassium	B	3630.00	ug/L	U	B	1390.00	mg/kg	-
Selenium	U	3.00	ug/L	U	U	1.10	mg/kg	U
Silicon								
Silver	U	4.00	ug/L	U	U	1.50	mg/kg	U
Sodium	B	1690.00	ug/L	-	B	857.00	mg/kg	J
Thallium	U	4.00	ug/L	U	U	1.50	mg/kg	U
Vanadium	U	4.00	ug/L	U	B	12.60	mg/kg	-
Zinc	*	70.10	ug/L	UJ	*	4090.00	mg/kg	-

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Appendix L.3 - Additional Data
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	2				3			
Sample:	2D-016				2D-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		424.00	ug/L	-		150000.00	mg/kg	-
Antimony	U	46.00	ug/L	U	BM	4.20	mg/kg	J
Arsenic	UN	3.00	ug/L	UJ		110.00	mg/kg	-
Barium	B	76.00	ug/L	-	*	1630.00	mg/kg	-
Beryllium	U	1.00	ug/L	U	BN*	5.00	mg/kg	-
Cadmium	B	3.30	ug/L	-		16.80	mg/kg	-
Calcium		14300.00	ug/L	-		37000.00	mg/kg	-
Chromium	U	4.00	ug/L	U	N*	356.00	mg/kg	-
Cobalt	B	11.40	ug/L	U		26.10	mg/kg	-
Copper		98.10	ug/L	-	N*	434.00	mg/kg	-
Iron		1970.00	ug/L	-	E	232000.00	mg/kg	-
Lead		13.90	ug/L	R	•	316.00	mg/kg	-
Magnesium	B	2870.00	ug/L	-		4750.00	mg/kg	-
Manganese		306.00	ug/L	-	E	1480.00	mg/kg	-
Mercury	U	0.20	ug/L	U	N	0.11	mg/kg	-
Molybdenum								
Nickel	B	22.80	ug/L	-	E	87.30	mg/kg	-
Potassium	B	1420.00	ug/L	-		3780.00	mg/kg	-
Selenium	U	3.00	ug/L	U	SN	2.00	mg/kg	-
Silicon								
Silver	B	5.00	ug/L	-	N*	165.00	mg/kg	-
Sodium	B	1550.00	ug/L	-		1590.00	mg/kg	J
Thallium	U	4.00	ug/L	U	B	0.87	mg/kg	-
Vanadium	U	4.00	ug/L	U		302.00	mg/kg	-
Zinc		102.00	ug/L	-	E	390.00	mg/kg	-

23000

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	2H-007				2H-009				2H-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	B	111.00	ug/L	U	E*	2480.00	mg/kg	J		7220.00	mg/kg	-
Antimony	U	48.00	ug/L	U	N	15.50	mg/kg	J	UN	3.70	mg/kg	R
Arsenic	B	0.91	ug/L	-	+	35.70	mg/kg	J	+	27.70	mg/kg	J
Barium	B	9.30	ug/L	U	EN*	214.00	mg/kg	J		101.00	mg/kg	-
Beryllium	U	0.34	ug/L	U	BN	0.13	mg/kg	UJ	B	0.32	mg/kg	U
Cadmium	U	2.00	ug/L	U	E*	18.10	mg/kg	J	N	2.20	mg/kg	-
Calcium		21700.00	ug/L	-	E*	8880.00	mg/kg	J		71900.00	mg/kg	-
Chromium	U	8.00	ug/L	U	E*	231.00	mg/kg	J	E	131.00	mg/kg	J
Cobalt	U	5.00	ug/L	U	EN	29.00	mg/kg	J	E	213.00	mg/kg	J
Copper	B	6.00	ug/L	U	E*	304.00	mg/kg	J		264.00	mg/kg	-
Iron		128.00	ug/L	U		293000.00	mg/kg	-		95600.00	mg/kg	-
Lead	N*	7.20	ug/L	J	*	3340.00	mg/kg	J		12500.00	mg/kg	-
Magnesium	B	3250.00	ug/L	-	E*	4680.00	mg/kg	J		22400.00	mg/kg	-
Manganese	B	10.50	ug/L	U	E	1540.00	mg/kg	J	E	749.00	mg/kg	J
Mercury	U	0.07	ug/L	U	N*	0.31	mg/kg	J	U	0.05	mg/kg	U
Molybdenum												
Nickel	B	8.20	ug/L	-	EN	98.50	mg/kg	J	E	387.00	mg/kg	J
Potassium	B	4060.00	ug/L	-	*	400.00	mg/kg	-		1230.00	mg/kg	-
Selenium	UW	1.00	ug/L	U	BWN	0.32	mg/kg	J		3.90	mg/kg	-
Silicon												
Silver	U	4.00	ug/L	U	UN	0.17	mg/kg	R	B	0.58	mg/kg	-
Sodium		13300.00	ug/L	-		297.00	mg/kg	-	B	305.00	mg/kg	-
Thallium	U	1.50	ug/L	U	UWN	0.31	mg/kg	R	U	0.51	mg/kg	U
Vanadium	U	5.00	ug/L	U	N*	4.80	mg/kg	J		31.40	mg/kg	-
Zinc	U	4.00	ug/L	U	E*	886.00	mg/kg	J	E	357.00	mg/kg	J

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Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3D-006

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		396.00	ug/L	-
Antimony	U	46.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	B	56.10	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium		8810.00	ug/L	-
Chromium	•	30.30	ug/L	J
Cobalt	U	7.00	ug/L	U
Copper	B	20.90	ug/L	U
Iron		909.00	ug/L	-
Lead	SN	26.70	ug/L	J
Magnesium	B	1850.00	ug/L	-
Manganese		33.90	ug/L	-
Mercury	B	0.11	ug/L	U
Molybdenum				
Nickel	B	34.90	ug/L	-
Potassium	B	1400.00	ug/L	-
Selenium	UW	2.00	ug/L	UJ
Silicon				
Silver	U	7.00	ug/L	U
Sodium	B	907.00	ug/L	-
Thallium	UW	2.00	ug/L	U
Vanadium	U	3.00	ug/L	U
Zinc		101.00	ug/L	-

692000

Appendix L.3 - Additional Data
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3E-008				3E-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		6940.00	ug/L	-		38500.00	ug/L	-
Antimony	U	380.00	ug/L	U	U	1900.00	ug/L	U
Arsenic	U	2.00	ug/L	U	BW	5.40	ug/L	J
Barium	B	159.00	ug/L	-		1210.00	ug/L	-
Beryllium	B	4.20	ug/L	-		23.30	ug/L	-
Cadmium	U	4.00	ug/L	U	U	400.00	ug/L	U
Calcium		64000.00	ug/L	-		57800.00	ug/L	-
Chromium	E	347.00	ug/L	J	E	2240.00	ug/L	J
Cobalt	B	9.60	ug/L	U	U	5.00	ug/L	U
Copper		2270.00	ug/L	-		18200.00	ug/L	-
Iron		6980.00	ug/L	-		89400.00	ug/L	-
Lead		66.00	ug/L	-		830.00	ug/L	-
Magnesium		159000.00	ug/L	-		852000.00	ug/L	-
Manganese		617.00	ug/L	-		1810.00	ug/L	-
Mercury	U	0.10	ug/L	U		1.60	ug/L	-
Molybdenum								
Nickel		797.00	ug/L	-		2370.00	ug/L	-
Potassium		8570.00	ug/L	-		9610.00	ug/L	-
Selenium	U	2.00	ug/L	U	UW	2.00	ug/L	UJ
Silicon								
Silver		34.00	ug/L	-		262.00	ug/L	-
Sodium		63300.00	ug/L	-		24000.00	ug/L	-
Thallium	UWN	2.00	ug/L	UJ	BWN	2.10	ug/L	J
Vanadium	UN	80.00	ug/L	R	UN	400.00	ug/L	R
Zinc		2050.00	ug/L	-		1480.00	ug/L	-

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3F-008				3F-011 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		45100.00	ug/L	-		44600.00	ug/L	-
Antimony	B	35.70	ug/L	U	B	27.20	ug/L	U
Arsenic		20.90	ug/L	-		22.40	ug/L	-
Barium	B	32.30	ug/L	-	B	33.50	ug/L	-
Beryllium	B	2.60	ug/L	-	B	2.50	ug/L	-
Cadmium		20.80	ug/L	-		22.40	ug/L	-
Calcium		161000.00	ug/L	-		161000.00	ug/L	-
Chromium	B	1310.00	ug/L	J	B	1310.00	ug/L	J
Cobalt	B	43.80	ug/L	-	B	44.90	ug/L	-
Copper		423.00	ug/L	-		417.00	ug/L	-
Iron		312000.00	ug/L	-		302000.00	ug/L	-
Lead		546.00	ug/L	-		558.00	ug/L	-
Magnesium		115000.00	ug/L	-		115000.00	ug/L	-
Manganese		2360.00	ug/L	-		2350.00	ug/L	-
Mercury		14.90	ug/L	-		15.40	ug/L	-
Molybdenum								
Nickel		715.00	ug/L	-		712.00	ug/L	-
Potassium		13000.00	ug/L	-		13400.00	ug/L	-
Selenium	UW	20.00	ug/L	UJ	UW	20.00	ug/L	UJ
Silicon								
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium		8520.00	ug/L	-		8420.00	ug/L	-
Thallium	UWN	2.00	ug/L	UJ	UWN	2.00	ug/L	UJ
Vanadium	N	102.00	ug/L	J	N	101.00	ug/L	J
Zinc		2040.00	ug/L	-		2030.00	ug/L	-

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Metals

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	3H-007

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	*	10900.00	mg/kg	J
Antimony	N	14.50	mg/kg	J
Arsenic		14.80	mg/kg	J
Barium	E	1840.00	mg/kg	J
Beryllium	U	0.04	mg/kg	UJ
Cadmium	N	4.40	mg/kg	J
Calcium	E*	76200.00	mg/kg	J
Chromium	E	84.10	mg/kg	J
Cobalt		11.50	mg/kg	J
Copper	E	697.00	mg/kg	J
Iron	E*	82200.00	mg/kg	J
Lead	*	309.00	mg/kg	J
Magnesium	E	19500.00	mg/kg	J
Manganese	E	553.00	mg/kg	J
Mercury		0.87	mg/kg	J
Molybdenum				
Nickel		124.00	mg/kg	J
Potassium		2320.00	mg/kg	J
Selenium	UWN	0.46	mg/kg	UJ
Silicon				
Silver		1.30	mg/kg	J
Sodium	E	910.00	mg/kg	J
Thallium	U	0.67	mg/kg	UJ
Vanadium		24.10	mg/kg	J
Zinc	EN*	895.00	mg/kg	J

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3J-007

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		406.00	ug/L	-
Antimony	UN	5.00	ug/L	R
Arsenic	U	3.00	ug/L	U
Barium	B	162.00	ug/L	-
Beryllium	U	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium		17900.00	ug/L	-
Chromium		12.00	ug/L	-
Cobalt	B	14.00	ug/L	-
Copper		74.00	ug/L	-
Iron		962.00	ug/L	-
Lead	NS*	19.80	ug/L	J
Magnesium		5120.00	ug/L	-
Manganese		62.00	ug/L	-
Mercury	U	0.10	ug/L	U
Molybdenum				
Nickel	B	38.00	ug/L	-
Potassium	B	1740.00	ug/L	-
Selenium		8.50	ug/L	-
Silicon				
Silver	U	2.00	ug/L	U
Sodium		11200.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc		146.00	ug/L	-

3724000

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3K-007

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	37.00	ug/L	U
Antimony	UW	5.00	ug/L	U
Arsenic	UW	2.00	ug/L	U
Barium	B	28.90	ug/L	-
Beryllium	U	4.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium		43800.00	ug/L	-
Chromium		16.70	ug/L	-
Cobalt	U	12.00	ug/L	U
Copper	U	5.00	ug/L	U
Iron	U	14.00	ug/L	U
Lead	BNW	2.00	ug/L	UJ
Magnesium		6610.00	ug/L	-
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Molybdenum				
Nickel	U	12.00	ug/L	U
Potassium		5140.00	ug/L	-
Selenium	U	2.00	ug/L	U
Silicon				
Silver	UNW	1.00	ug/L	UJ
Sodium	B	4230.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

821212

Appendix L.3 - Additional Data
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				3				3			
Sample:	4A-009				4A-011				4A-034				4A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		615.00	ug/L	-		5730.00	mg/kg	-		29400.00	ug/L	-		3090.00	mg/kg	-
Antimony	U	50.00	ug/L	U	JN	7.50	mg/kg	J	U	50.00	ug/L	U	JN	19.10	mg/kg	J
Arsenic		10.50	ug/L	-	*E	246.00	mg/kg	J		43.70	ug/L	-	*E	220.00	mg/kg	J
Barium	B	148.00	ug/L	-	JN*	205.00	mg/kg	J		288.00	ug/L	-	JN*	123.00	mg/kg	J
Beryllium	U	1.00	ug/L	U	U	0.04	mg/kg	U	U	1.00	ug/L	U	U	0.03	mg/kg	U
Cadmium		72.40	ug/L	-	JEN	8.40	mg/kg	J		21.00	ug/L	-	JEN	19.00	mg/kg	J
Calcium		42000.00	ug/L	-	E	73300.00	mg/kg	J		454000.00	ug/L	-	E	127000.00	mg/kg	J
Chromium		12.80	ug/L	-		285.00	mg/kg	-		385.00	ug/L	-		259.00	mg/kg	-
Cobalt	B	33.90	ug/L	-	E	15.70	mg/kg	J		101.00	ug/L	-	E	74.10	mg/kg	J
Copper		200.00	ug/L	-		427.00	mg/kg	-		12300.00	ug/L	-		26300.00	mg/kg	-
Iron		66100.00	ug/L	-		326000.00	mg/kg	-		114000.00	ug/L	-		236000.00	mg/kg	-
Lead	JE	992.00	ug/L	-	E	521.00	mg/kg	J	UJE	20.00	ug/L	UJ	E	348.00	mg/kg	J
Magnesium		55700.00	ug/L	-		22900.00	mg/kg	-		17400.00	ug/L	-		2820.00	mg/kg	-
Manganese		856.00	ug/L	-	E	1140.00	mg/kg	J		1770.00	ug/L	-	E	1290.00	mg/kg	J
Mercury	JN	1.60	ug/L	J	JN	18.00	mg/kg	J	JN	17.80	ug/L	J	JN	11.70	mg/kg	J
Molybdenum																
Nickel		778.00	ug/L	-	E	157.00	mg/kg	J		57800.00	ug/L	-	E	53500.00	mg/kg	J
Potassium		35000.00	ug/L	-	U	36.30	mg/kg	U		686000.00	ug/L	-		7830.00	mg/kg	-
Selenium	UJW	3.00	ug/L	UJ	JN*	84.70	mg/kg	J	UJN	30.00	ug/L	U	JN*	56.30	mg/kg	J
Silicon																
Silver	URN	5.00	ug/L	R	JN	1.50	mg/kg	J	JN	10.20	ug/L	J	JN	3.10	mg/kg	J
Sodium		112000.00	ug/L	-		778.00	mg/kg	-		2370000.00	ug/L	-		8250.00	mg/kg	-
Thallium	UJW	3.00	ug/L	UJ	UJW	0.24	mg/kg	UJ	UJN	3.00	ug/L	U	U	0.20	mg/kg	U
Vanadium	U	12.00	ug/L	U		8.00	mg/kg	-	B	18.60	ug/L	-	U	0.37	mg/kg	U
Zinc		3750.00	ug/L	-		2370.00	mg/kg	-		2380.00	ug/L	-		630.00	mg/kg	-

Appendix L.3 - Additional Data
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA			
Depth:																				
Process Area:	1				2				2				10				10			
Sample:	5A-005				5A-013				5A-015				5A-048				5A-049 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		1910.00	mg/kg	-		2380.00	mg/kg	-		5710.00	mg/kg	-		4090.00	mg/kg	-		4280.00	mg/kg	-
Antimony	NS	20.90	mg/kg	J	BNS	10.30	mg/kg	J	BNW	7.80	mg/kg	J	BNW	6.10	mg/kg	J	BNS	12.00	mg/kg	J
Arsenic		4.10	mg/kg	-	S	10.10	mg/kg	-		5.10	mg/kg	-		4.20	mg/kg	-		4.20	mg/kg	-
Barium	N*	61.30	mg/kg	J	N*	651.00	mg/kg	J	N*	187.00	mg/kg	J	N*	260.00	mg/kg	J	N*	242.00	mg/kg	J
Beryllium	U	0.81	mg/kg	U	U	0.87	mg/kg	U	U	0.82	mg/kg	U	B	0.85	mg/kg	R	U	0.83	mg/kg	U
Cadmium		19.50	mg/kg	-		18.30	mg/kg	-		14.40	mg/kg	-		13.60	mg/kg	-		13.10	mg/kg	-
Calcium		13100.00	mg/kg	-		40000.00	mg/kg	-		21300.00	mg/kg	-		17800.00	mg/kg	-		18900.00	mg/kg	-
Chromium		511.00	mg/kg	-		229.00	mg/kg	-		1190.00	mg/kg	-		379.00	mg/kg	-		350.00	mg/kg	-
Cobalt		30.50	mg/kg	-		23.30	mg/kg	-		24.30	mg/kg	-		16.00	mg/kg	-		13.70	mg/kg	-
Copper	*	215.00	mg/kg	J	•	557.00	mg/kg	J	•	1990.00	mg/kg	J	•	1020.00	mg/kg	J	•	484.00	mg/kg	J
Iron	E*	56000.00	mg/kg	J	E	84100.00	mg/kg	J	E	24400.00	mg/kg	J	E	40900.00	mg/kg	J	E	48800.00	mg/kg	J
Lead	•	10300.00	mg/kg	J	•	2470.00	mg/kg	J	*	1580.00	mg/kg	J	*	1090.00	mg/kg	J	*	964.00	mg/kg	J
Magnesium	•	12100.00	mg/kg	-	•	8590.00	mg/kg	-	*	6630.00	mg/kg	-	*,	51300.00	mg/kg	-	•	49100.00	mg/kg	-
Manganese		369.00	mg/kg	-		873.00	mg/kg	-		278.00	mg/kg	-		370.00	mg/kg	-		308.00	mg/kg	-
Mercury		6.20	mg/kg	-		9.80	mg/kg	-		2.10	mg/kg	-		3.50	mg/kg	-		3.10	mg/kg	-
Molybdenum																				
Nickel		59.00	mg/kg	-		146.00	mg/kg	-		863.00	mg/kg	-		279.00	mg/kg	-		249.00	mg/kg	-
Potassium		1890.00	mg/kg	-	B	488.00	mg/kg	-	B	740.00	mg/kg	-	B	1010.00	mg/kg	-	B	861.00	mg/kg	-
Selenium	UNW	1.00	mg/kg	UJ	UNW	0.22	mg/kg	UJ	UN	0.20	mg/kg	UJ	UNW	0.21	mg/kg	UJ	UNW	1.00	mg/kg	UJ
Silicon																				
Silver	UN	0.20	mg/kg	R	BN	1.60	mg/kg	J	BN	0.31	mg/kg	J	BN	0.64	mg/kg	J	BN	0.50	mg/kg	J
Sodium		1070.00	mg/kg	-	B	439.00	mg/kg	-	B	501.00	mg/kg	-	B	820.00	mg/kg	-	B	755.00	mg/kg	-
Thallium	UNW	1.00	mg/kg	UJ	UNW	0.22	mg/kg	UJ	UNW	0.20	mg/kg	UJ	UNW	0.21	mg/kg	UJ	UNW	0.21	mg/kg	UJ
Vanadium	N*	30.50	mg/kg	J	N*	105.00	mg/kg	J	N*	155.00	mg/kg	J	N*	105.00	mg/kg	J	N*	101.00	mg/kg	J
Zinc	*	2730.00	mg/kg	J	•	3430.00	mg/kg	J	*	1310.00	mg/kg	J	*	2420.00	mg/kg	J	•	1980.00	mg/kg	J

92-0078

92212

Appendix L.3 - Additional Data
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				2			
Sample:	6A-006				6A-007 DUP				6A-012				6A-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		2000.00	ug/L	-		2120.00	ug/L	-		7040.00	mg/kg	-	UN	37.00	ug/L	UJ
Antimony	U	34.40	ug/L	U	U	34.40	ug/L	U	N	23.20	mg/kg	UJ	UNW	5.00	ug/L	U
Arsenic	U	1.00	ug/L	U	U	1.00	ug/L	U	BW	3.80	mg/kg	J	U	2.00	ug/L	U
Barium	B	101.00	ug/L	-	B	107.00	ug/L	-	*	121.00	mg/kg	-	B	122.00	ug/L	-
Beryllium		7.20	ug/L	U		7.20	ug/L	U	U	0.06	mg/kg	U	UN	4.00	ug/L	U
Cadmium	U	2.90	ug/L	U	U	2.90	ug/L	U		7.40	mg/kg	-	UN	2.00	ug/L	U
Calcium		74600.00	ug/L	-		74600.00	ug/L	-	E	2410.00	mg/kg	J		275000.00	ug/L	-
Chromium		57.50	ug/L	-		58.60	ug/L	-		3210.00	mg/kg	-	N	362.00	ug/L	J
Cobalt	B	10.90	ug/L	-	B	10.50	ug/L	-		45.30	mg/kg	-	N	52.80	ug/L	J
Copper		66.90	ug/L	-		80.80	ug/L	-		720.00	mg/kg	-	N	547.00	ug/L	J
Iron		2810.00	ug/L	-		5030.00	ug/L	-	E	63800.00	mg/kg	J	N	2620.00	ug/L	J
Lead		239.00	ug/L	-		437.00	ug/L	-	N	117.00	mg/kg	J	BN	1.30	ug/L	J
Magnesium		32200.00	ug/L	-		32400.00	ug/L	-	E	1370.00	mg/kg	J		18700.00	ug/L	-
Manganese		139.00	ug/L	-		159.00	ug/L	-		823.00	mg/kg	-	N	1150.00	ug/L	-
Mercury	U	0.10	ug/L	U	B	0.11	ug/L	U	B	0.06	mg/kg	-	U	0.10	ug/L	U
Molybdenum																
Nickel	U	15.10	ug/L	U	U	15.10	ug/L	U		2200.00	mg/kg	-	N	81.90	ug/L	J
Potassium		377000.00	ug/L	-		383000.00	ug/L	-		21300.00	mg/kg	-		9770.00	ug/L	-
Selenium	UW	1.30	ug/L	UJ	BW	2.00	ug/L	J		157.00	mg/kg	-	UNW	1.00	ug/L	R
Silicon																
Silver		110.00	ug/L	-		179.00	ug/L	-	E	70.80	mg/kg	J	U	2.00	ug/L	U
Sodium		411000.00	ug/L	-		416000.00	ug/L	-		15000.00	mg/kg	-		24600.00	ug/L	-
Thallium	UW	0.89	ug/L	UJ	UW	0.89	ug/L	UJ	UNW	0.08	mg/kg	UJ	UW	1.00	ug/L	UJ
Vanadium	U	5.20	ug/L	U	U	5.20	ug/L	U	E	72.70	mg/kg	J	EN	697.00	ug/L	J
Zinc		56.30	ug/L	-		89.60	ug/L	-	E	146.00	mg/kg	J	UN	6.00	ug/L	U

22600

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6B-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	140.00	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	U	1.00	ug/L	U
Barium	B	46.30	ug/L	-
Beryllium	B	3.40	ug/L	R
Cadmium	U	2.00	ug/L	U
Calcium		16400.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	UN	8.00	ug/L	U
Iron		358.00	ug/L	-
Lead	N*	3.80	ug/L	UJ
Magnesium	B	2170.00	ug/L	U
Manganese	N	33.00	ug/L	J
Mercury	UN	0.10	ug/L	U
Molybdenum				
Nickel	U	15.00	ug/L	U
Potassium	B	1950.00	ug/L	-
Selenium	UNW	2.00	ug/L	R
Silicon				
Silver	U	2.00	ug/L	U
Sodium		9070.00	ug/L	-
Thallium	UN	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc		127.00	ug/L	-

Appendix L.3 - Additional Data
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Precipitator (Central)
Analytical Results - Metals

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	6D-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	*	9790.00	mg/kg	J
Antimony	UN	5.40	mg/kg	UJ
Arsenic		10.20	mg/kg	J
Barium	E	117.00	mg/kg	J
Beryllium	U	0.04	mg/kg	UJ
Cadmium	N	20.50	mg/kg	J
Calcium	E*	30700.00	mg/kg	J
Chromium	E	71.20	mg/kg	J
Cobalt		103.00	mg/kg	J
Copper	E	273.00	mg/kg	J
Iron	E*	54200.00	mg/kg	J
Lead	*	966.00	mg/kg	J
Magnesium	E	15200.00	mg/kg	J
Manganese	E	690.00	mg/kg	J
Mercury	B	0.15	mg/kg	UJ
Molybdenum				
Nickel		54.90	mg/kg	J
Potassium		1410.00	mg/kg	J
Selenium	BWN	0.84	mg/kg	J
Silicon				
Silver		16.20	mg/kg	J
Sodium	BE	387.00	mg/kg	J
Thallium	U	0.65	mg/kg	UJ
Vanadium		14.50	mg/kg	J
Zinc	EN*	7260.00	mg/kg	J

64600

Appendix L.3 - Additional Data
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6F-010

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		251.00	ug/L	U
Antimony	B	51.80	ug/L	-
Arsenic	UWN	2.30	ug/L	UJ
Barium	B	32.50	ug/L	-
Beryllium	B	0.41	ug/L	U
Cadmium		56.70	ug/L	-
Calcium		52700.00	ug/L	-
Chromium	B	9.40	ug/L	-
Cobalt	B	12.50	ug/L	U
Copper		524.00	ug/L	-
Iron		12500.00	ug/L	-
Lead		26.40	ug/L	-
Magnesium		14200.00	ug/L	-
Manganese		892.00	ug/L	-
Mercury	U	0.36	ug/L	U
Molybdenum				
Nickel		512.00	ug/L	-
Potassium		177000.00	ug/L	-
Selenium	UWN	1.30	ug/L	UJ
Silicon				
Silver	U	4.00	ug/L	U
Sodium		154000.00	ug/L	-
Thallium	U	1.60	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc		5120.00	ug/L	-

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	LOOSE MEDIA				UNKNOWN LIQUID				SEDIMENT				LOOSE MEDIA				LOOSE MEDIA			
Depth:																				
Process Area:	1				5				5				7				13			
Sample:	8A-007				8A-032				8A-034				8A-044				8A-088			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6580.00	mg/kg	J		312.00	ug/L	-		3880.00	mg/kg	-		8400.00	mg/kg	J		5540.00	mg/kg	-
Antimony	U	7.50	mg/kg	U	U	34.40	ug/L	U	*	20.20	mg/kg	-	B	11.60	mg/kg	-		31.70	mg/kg	U
Arsenic	BWM	3.20	mg/kg	UJ	U	1.00	ug/L	U		9.10	mg/kg	-	BWM	8.70	mg/kg	J	N	21.70	mg/kg	J
Barium		1410.00	mg/kg	-	B	18.00	ug/L	-	N	726.00	mg/kg	J		2850.00	mg/kg	-		987.00	mg/kg	-
Beryllium		27.20	mg/kg	-	B	0.57	ug/L	U	U	0.48	mg/kg	U		4.30	mg/kg	-		2.40	mg/kg	U
Cadmium	U	0.63	mg/kg	U	U	2.90	ug/L	U	•	6.70	mg/kg	J		10.40	mg/kg	-	N*	6.00	mg/kg	J
Calcium		146000.00	mg/kg	-		30200.00	ug/L	-		34500.00	mg/kg	-		69000.00	mg/kg	-		88500.00	mg/kg	-
Chromium	UEN	0.63	mg/kg	UJ	U	4.00	ug/L	U		79.70	mg/kg	-	EN*	235.00	mg/kg	J	N*	187.00	mg/kg	J
Cobalt		23.10	mg/kg	-	U	7.00	ug/L	U		13.00	mg/kg	-		19.50	mg/kg	-		20.80	mg/kg	-
Copper	N*	757.00	mg/kg	J	B	24.10	ug/L	-		476.00	mg/kg	-	N*	7470.00	mg/kg	J	•	1920.00	mg/kg	-
Iron		36500.00	mg/kg	J		26200.00	ug/L	-		113000.00	mg/kg	-		166000.00	mg/kg	J	E	112000.00	mg/kg	J
Lead	N*	294.00	mg/kg	J		9.30	ug/L	-		491.00	mg/kg	-	N*	1370.00	mg/kg	J	N*	256.00	mg/kg	J
Magnesium	•	24100.00	mg/kg	J	B	1630.00	ug/L	-		12200.00	mg/kg	-	•	41900.00	mg/kg	J		17300.00	mg/kg	-
Manganese		375.00	mg/kg	-		165.00	ug/L	-		534.00	mg/kg	-		1480.00	mg/kg	-		795.00	mg/kg	-
Mercury		0.32	mg/kg	-	U	0.10	ug/L	U		0.36	mg/kg	-		0.69	mg/kg	-	N	1.10	mg/kg	J
Molybdenum																				
Nickel	N	181.00	mg/kg	J	U	15.10	ug/L	U	N	61.20	mg/kg	J	N	388.00	mg/kg	J	•	196.00	mg/kg	-
Potassium		3260.00	mg/kg	-	B	1930.00	ug/L	-	U	434.00	mg/kg	U		2530.00	mg/kg	-	B	776.00	mg/kg	-
Selenium	UW	0.42	mg/kg	UJ	BW	1.30	ug/L	J	BWN	0.20	mg/kg	UJ	U	0.60	mg/kg	U	UN	0.88	mg/kg	UJ
Silicon																				
Silver		285.00	mg/kg	-	U	6.90	ug/L	U	U	0.68	mg/kg	U		45.20	mg/kg	-		3.70	mg/kg	-
Sodium		9070.00	mg/kg	J	B	4260.00	ug/L	-	B	146.00	mg/kg	U		3930.00	mg/kg	J	B	765.00	mg/kg	-
Thallium	U	0.63	mg/kg	U	U	0.89	ug/L	U	UWN	0.18	mg/kg	UJ	UW	0.90	mg/kg	U	BW	0.31	mg/kg	J
Vanadium	U	1.00	mg/kg	U	U	5.20	ug/L	U	B*	6.80	mg/kg	U	U	1.50	mg/kg	U		39.00	mg/kg	-
Zinc	N*	392.00	mg/kg	J		565.00	ug/L	-	•	1070.00	mg/kg	-	N*	1560.00	mg/kg	J		986.00	mg/kg	-

EB3600

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	13				16			
Sample:	8A-090				8A-101			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		808.00	ug/L	-		4790.00	mg/kg	-
Antimony	U	34.40	ug/L	U	N	20.40	mg/kg	UJ
Arsenic	B	3.50	ug/L	-	N*	35.30	mg/kg	J
Barium	B	56.60	ug/L	-		475.00	mg/kg	-
Beryllium	B	0.89	ug/L	U	B	1.20	mg/kg	-
Cadmium	U	2.90	ug/L	U		5.00	mg/kg	-
Calcium		39600.00	ug/L	-		61200.00	mg/kg	-
Chromium	U	4.00	ug/L	U		86.80	mg/kg	-
Cobalt	U	7.00	ug/L	U		18.10	mg/kg	-
Copper		59.70	ug/L	-		449.00	mg/kg	-
Iron		1510.00	ug/L	-		134000.00	mg/kg	-
Lead		67.70	ug/L	-	•	731.00	mg/kg	J
Magnesium		12000.00	ug/L	-	•	12600.00	mg/kg	-
Manganese		90.40	ug/L	-	•	1170.00	mg/kg	-
Mercury	B	0.17	ug/L	U	N*	1.30	mg/kg	J
Molybdenum								
Nickel	U	15.10	ug/L	U		128.00	mg/kg	-
Potassium		6680.00	ug/L	-	B	553.00	mg/kg	-
Selenium	UW	1.30	ug/L	UJ	B	1.40	mg/kg	U
Silicon								
Silver		19.20	ug/L	-		8.00	mg/kg	-
Sodium		186000.00	ug/L	-		1580.00	mg/kg	-
Thallium	UW	0.89	ug/L	UJ	B	0.34	mg/kg	U
Vanadium	U	5.20	ug/L	U		28.20	mg/kg	-
Zinc		132.00	ug/L	-	•	1270.00	mg/kg	J

28600

3212

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	LOOSE MEDIA				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				2				3				3				4			
Sample:	9A-007				9A-012				9A-020				9A-022				9A-026			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	*	7500.00	mg/kg	-	*	1790.00	mg/kg	-		108000.00	ug/L	-	*	26100.00	mg/kg	-		340.00	ug/L	U
Antimony	UN	70.40	mg/kg	R	UN	70.40	mg/kg	R	U	35.20	ug/L	U	UN	70.40	mg/kg	R	U	35.20	ug/L	U
Arsenic	UN*	2.60	mg/kg	U	N*	20.00	mg/kg	-	B	9.60	ug/L	-	BN*	14.60	mg/kg	-	U	1.30	ug/L	U
Barium	B	29.10	mg/kg	-	B	43.20	mg/kg	-		2670.00	ug/L	-	B	153.00	mg/kg	-	B	10.70	ug/L	U
Beryllium	U	4.80	mg/kg	U	U	4.80	mg/kg	U		49.00	ug/L	-		56.30	mg/kg	-	U	2.40	ug/L	U
Cadmium		62.40	mg/kg	-	B	9.40	mg/kg	U		351.00	ug/L	-	U	5.40	mg/kg	U	U	2.70	ug/L	U
Calcium	B*	8960.00	mg/kg	U	*	10600.00	mg/kg	U		421000.00	ug/L	-	*	18800.00	mg/kg	-		77600.00	ug/L	-
Chromium	N*	74.40	mg/kg	J	N*	190.00	mg/kg	J		2510.00	ug/L	-	N*	1860.00	mg/kg	J	B	4.20	ug/L	U
Cobalt	U	7.60	mg/kg	-	U	7.60	mg/kg	U		140.00	ug/L	-	U	7.60	mg/kg	U	B	11.20	ug/L	U
Copper	*	294.00	mg/kg	-	*	188.00	mg/kg	-		12000.00	ug/L	-	•	498.00	mg/kg	-	B	23.10	ug/L	U
Iron	*	19500.00	mg/kg	-	•	143000.00	mg/kg	-		473000.00	ug/L	-	*	62300.00	mg/kg	-		3030.00	ug/L	-
Lead		991.00	mg/kg	J		1450.00	mg/kg	J		13500.00	ug/L	-	S	453.00	mg/kg	J		6.60	ug/L	-
Magnesium	B	7510.00	mg/kg	-	B	3700.00	mg/kg	-		86500.00	ug/L	-	B	4190.00	mg/kg	-		20700.00	ug/L	-
Manganese	N*	144.00	mg/kg	J	N*	1170.00	mg/kg	J		5310.00	ug/L	-	N*	90.80	mg/kg	J		352.00	ug/L	-
Mercury	UN	0.05	mg/kg	U	UN	0.05	mg/kg	U		16.50	ug/L	-	N	0.12	mg/kg	-	U	0.10	ug/L	U
Molybdenum																				
Nickel	U	35.60	mg/kg	U		157.00	mg/kg	U		2660.00	ug/L	-	B	37.60	mg/kg	U		102.00	ug/L	-
Potassium		221000.00	mg/kg	-	U	4340.00	mg/kg	U		27900.00	ug/L	-		24600.00	mg/kg	-		27500.00	ug/L	-
Selenium	UN	2.20	mg/kg	U	BWN	2.80	mg/kg	UJ	UWN	11.00	ug/L	UJ	BN	3.00	mg/kg	UJ	UWN	1.10	ug/L	UJ
Silicon																				
Silver	*	143.00	mg/kg	J	U*	6.80	mg/kg	UJ	U	3.40	ug/L	U	•	1360.00	mg/kg	J	U	3.40	ug/L	U
Sodium	B	3070.00	mg/kg	U	B	3890.00	mg/kg	-		34800.00	ug/L	-		82200.00	mg/kg	-		47800.00	ug/L	-
Thallium	U	1.80	mg/kg	U	U	1.80	mg/kg	U	U	9.00	ug/L	U	U	1.80	mg/kg	U	U	0.90	ug/L	U
Vanadium	UN	5.00	mg/kg	R	UN	5.00	mg/kg	R	U	2.50	ug/L	U	UN	5.00	mg/kg	R	U	2.50	ug/L	U
Zinc	•	7150.00	mg/kg	J	*	985.00	mg/kg	J	E	265000.00	ug/L	J	U*	5.20	mg/kg	UJ	E	134.00	ug/L	UJ

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	10D-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	124.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	UW	3.00	ug/L	U
Barium	B	14.10	ug/L	-
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium		25200.00	ug/L	-
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	11.30	ug/L	U
Iron	*	1520.00	ug/L	J
Lead	U	2.00	ug/L	U
Magnesium	B	1700.00	ug/L	-
Manganese		65.50	ug/L	-
Mercury	U	0.20	ug/L	U
Molybdenum				
Nickel	U	8.00	ug/L	U
Potassium	B	2610.00	ug/L	-
Selenium	UW	3.00	ug/L	U
Silicon				
Silver	U	4.00	ug/L	U
Sodium	B	4880.00	ug/L	-
Thallium	UW	4.00	ug/L	UJ
Vanadium	U	4.00	ug/L	U
Zinc		44.40	ug/L	U

00784

8212

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	12A-037

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		2320.00	mg/kg	-
Antimony	UN	35.20	mg/kg	UJ
Arsenic		5.90	mg/kg	-
Barium		92.80	mg/kg	-
Beryllium	U	2.40	mg/kg	U
Cadmium	U	2.70	mg/kg	U
Calcium	E	60400.00	mg/kg	J
Chromium		111.00	mg/kg	-
Cobalt		70.90	mg/kg	-
Copper		169.00	mg/kg	-
Iron		155000.00	mg/kg	-
Lead		130.00	mg/kg	-
Magnesium	E	14600.00	mg/kg	J
Manganese		809.00	mg/kg	-
Mercury	N	0.94	mg/kg	J
Molybdenum				
Nickel		58.20	mg/kg	-
Potassium	U	2170.00	mg/kg	U
Selenium	UN	1.60	mg/kg	UJ
Silicon				
Silver	U	3.40	mg/kg	U
Sodium	B	921.00	mg/kg	-
Thallium	UW	0.18	mg/kg	UJ
Vanadium	B	13.20	mg/kg	-
Zinc		1420.00	mg/kg	-

SR000085

Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				1				1				1				2			
Sample:	13A-015				13A-016				13A-017 DUP				13A-020				13A-041			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		17000.00	ug/L	-	B	115.00	ug/L	-	B	109.00	ug/L	-	JE*	4910.00	mg/kg	J		37600.00	ug/L	-
Antimony	B	56.80	ug/L	-	U	50.00	ug/L	U	U	50.00	ug/L	U	JN*	10.70	mg/kg	J	U	50.00	ug/L	U
Arsenic	B	4.90	ug/L	-	B	0.89	ug/L	-	U	0.70	ug/L	U	JN*	97.70	mg/kg	J	UN	30.00	ug/L	U
Barium	BN	54.30	ug/L	J	UN	20.00	ug/L	UJ	UN	20.00	ug/L	UJ	JEN	59.20	mg/kg	J	N*	2910.00	ug/L	R
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	UJN	0.03	mg/kg	UJ	U	1.00	ug/L	U
Cadmium		35.10	ug/L	-	U	3.00	ug/L	U	U	3.00	ug/L	U	JE*	9.30	mg/kg	J		20.70	ug/L	-
Calcium		76500.00	ug/L	-		17200.00	ug/L	-		17300.00	ug/L	-	JE	15800.00	mg/kg	J		299000.00	ug/L	-
Chromium		542.00	ug/L	-	U	9.00	ug/L	U	U	9.00	ug/L	U	JE*	86.50	mg/kg	J		2040.00	ug/L	-
Cobalt		56.20	ug/L	-	U	19.00	ug/L	U	U	19.00	ug/L	U	JN*	28.80	mg/kg	J		69.70	ug/L	U
Copper		1850.00	ug/L	-		29.60	ug/L	-		28.70	ug/L	-	JEN	201.00	mg/kg	J		3910.00	ug/L	-
Iron		56400.00	ug/L	-		237.00	ug/L	-		247.00	ug/L	-	•	183000.00	mg/kg	J		84700.00	ug/L	-
Lead		493.00	ug/L	-	BW	2.80	ug/L	J	UW	2.80	ug/L	UJ	JEN	1490.00	mg/kg	J		3800.00	ug/L	-
Magnesium		48400.00	ug/L	-	B	2680.00	ug/L	-	B	2740.00	ug/L	-	JE*	6920.00	mg/kg	J		76300.00	ug/L	-
Manganese		1740.00	ug/L	-		19.00	ug/L	-		19.00	ug/L	-	JEN	584.00	mg/kg	J		1190.00	ug/L	-
Mercury	B	0.19	ug/L	J	B	0.11	ug/L	J	B	0.11	ug/L	J	J	0.51	mg/kg	-		2.90	ug/L	-
Molybdenum																				
Nickel		979.00	ug/L	-	U	20.00	ug/L	U	U	20.00	ug/L	U	JEN	73.50	mg/kg	J	E	1440.00	ug/L	J
Potassium	E	27600.00	ug/L	-	BE	2890.00	ug/L	-	BE	2700.00	ug/L	-	J*	3080.00	mg/kg	J		40700.00	ug/L	-
Selenium	UW	2.00	ug/L	UJ	U	2.00	ug/L	U	UW	2.00	ug/L	U	JN	3.50	mg/kg	J	UN	30.00	ug/L	U
Silicon																				
Silver	BN	5.20	ug/L	J	UN	5.00	ug/L	R	UN	5.00	ug/L	R	JN*	0.74	mg/kg	J		34.10	ug/L	-
Sodium		33600.00	ug/L	-	B	2820.00	ug/L	U	B	2940.00	ug/L	U		3240.00	mg/kg	-		109000.00	ug/L	-
Thallium	UW	1.80	ug/L	UJ	U	1.80	ug/L	U	U	1.80	ug/L	U	UJN	11.60	mg/kg	UJ	UWN	30.00	ug/L	R
Vanadium	B	37.90	ug/L	-	U	12.00	ug/L	U	U	12.00	ug/L	U	JN*	1.70	mg/kg	J		58.20	ug/L	-
Zinc		6170.00	ug/L	-		136.00	ug/L	-		131.00	ug/L	-	JEN	1550.00	mg/kg	J		1650.00	ug/L	-

93-0000

93-0000

Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	3				3			
Sample:	13A-073				13A-074			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		1060.00	ug/L	-	•	4580.00	mg/kg	J
Antimony	U	50.00	ug/L	U	N*	2.40	mg/kg	J
Arsenic	B	7.20	ug/L	-	•	35.10	mg/kg	-
Barium	BN	61.20	ug/L	J	N*	97.50	mg/kg	J
Beryllium	U	1.00	ug/L	U	UN	0.03	mg/kg	UJ
Cadmium		5.90	ug/L	-	N*	3.40	mg/kg	J
Calcium		90100.00	ug/L	-	•	10700.00	mg/kg	-
Chromium		17.50	ug/L	-		207.00	mg/kg	-
Cobalt	B	35.50	ug/L	-	N	11.50	mg/kg	J
Copper		65.60	ug/L	-	N*	622.00	mg/kg	J
Iron		2990.00	ug/L	-		73100.00	mg/kg	-
Lead		164.00	ug/L	-	•	7100.00	mg/kg	-
Magnesium		40200.00	ug/L	-		7600.00	mg/kg	-
Manganese		1810.00	ug/L	-	•	361.00	mg/kg	-
Mercury	U	0.10	ug/L	UJ	N*	1.30	mg/kg	J
Molybdenum								
Nickel		955.00	ug/L	-	•	94.00	mg/kg	J
Potassium	E	49300.00	ug/L	-	•	3380.00	mg/kg	-
Selenium	U	2.00	ug/L	U	UW	1.10	mg/kg	R
Silicon								
Silver	UN	5.00	ug/L	R	UN	0.14	mg/kg	UJ
Sodium		103000.00	ug/L	-	•	5050.00	mg/kg	J
Thallium	U	1.80	ug/L	U	UN	10.00	mg/kg	UJ
Vanadium	U	12.00	ug/L	U	N*	5.60	mg/kg	J
Zinc		446.00	ug/L	-	E	1070.00	mg/kg	J

29600

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	13D-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		30100.00	ug/L	-
Antimony	U	46.00	ug/L	U
Arsenic	B	9.10	ug/L	-
Barium		583.00	ug/L	-
Beryllium	B	4.10	ug/L	-
Cadmium		141.00	ug/L	-
Calcium		104000.00	ug/L	-
Chromium		345.00	ug/L	-
Cobalt	B	27.80	ug/L	U
Copper		6210.00	ug/L	-
Iron		127000.00	ug/L	-
Lead		966.00	ug/L	-
Magnesium		42200.00	ug/L	-
Manganese		1050.00	ug/L	-
Mercury		0.66	ug/L	-
Molybdenum				
Nickel		540.00	ug/L	-
Potassium		10400.00	ug/L	-
Selenium	SN	7.20	ug/L	J
Silicon				
Silver		54.00	ug/L	-
Sodium		8870.00	ug/L	-
Thallium	U	4.00	ug/L	U
Vanadium	B	17.90	ug/L	U
Zinc		6430.00	ug/L	-

882000

89212

Appendix L.3 - Additional Data
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				3			
Sample:	15A-010				15A-011 DUP				15A-013				15A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		251.00	ug/L	U		252.00	ug/L	U		11300.00	mg/kg	J	B	57.30	ug/L	U
Antimony	U	46.00	ug/L	U	U	46.00	ug/L	U	U	145.00	mg/kg	UJ	U	46.00	ug/L	U
Arsenic	UW	3.00	ug/L	U	UW	3.00	ug/L	U	B	19.60	mg/kg	J	UW	3.00	ug/L	U
Barium	B	61.20	ug/L	-	B	59.40	ug/L	-	B	599.00	mg/kg	J	B	66.40	ug/L	-
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	B	5.60	mg/kg	J	U	1.00	ug/L	U
Cadmium	B	3.20	ug/L	-	U	3.00	ug/L	U		28.40	mg/kg	J	U	3.00	ug/L	U
Calcium		54100.00	ug/L	-		52500.00	ug/L	-		25500.00	mg/kg	J		115000.00	ug/L	-
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U		857.00	mg/kg	J	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U	U	8.00	ug/L	U	B	56.20	mg/kg	J	U	8.00	ug/L	U
Copper		40.90	ug/L	-		40.70	ug/L	-		1570.00	mg/kg	J	B	14.60	ug/L	U
Iron		188.00	ug/L	-		177.00	ug/L	-		32500.00	mg/kg	J		542.00	ug/L	-
Lead		7.40	ug/L	-		6.80	ug/L	-		784.00	mg/kg	J	U	2.00	ug/L	U
Magnesium		6860.00	ug/L	-		6640.00	ug/L	-	B	6570.00	mg/kg	J		47600.00	ug/L	-
Manganese	B	9.00	ug/L	U	B	8.50	ug/L	U		118.00	mg/kg	J		31.60	ug/L	U
Mercury		0.40	ug/L	-		0.38	ug/L	-		223.00	mg/kg	J		0.21	ug/L	-
Molybdenum																
Nickel	U	8.00	ug/L	U	U	8.00	ug/L	U	B	105.00	mg/kg	UJ	U	8.00	ug/L	U
Potassium	B	4580.00	ug/L	-	B	4730.00	ug/L	-	U	1150.00	mg/kg	UJ		6180.00	ug/L	-
Selenium	UN	3.00	ug/L	UJ	UN	3.00	ug/L	UJ	UW	9.50	mg/kg	UJ	UN	3.00	ug/L	UJ
Silicon																
Silver	B	6.90	ug/L	-	B	9.50	ug/L	-		435.00	mg/kg	J	U	4.00	ug/L	U
Sodium		8480.00	ug/L	-		8340.00	ug/L	-	B	4260.00	mg/kg	J		22500.00	ug/L	-
Thallium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	12.60	mg/kg	UJ	UW	4.00	ug/L	UJ
Vanadium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	12.60	mg/kg	UJ	U	4.00	ug/L	U
Zinc		26.20	ug/L	U		22.00	ug/L	U		1240.00	mg/kg	J		349.00	ug/L	-

000259

Appendix L.3 - Additional Data
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Transformer
Analytical Results - Metals

Material:	LOOSE MEDIA				WOOD			
Depth:								
Process Area:	1				1			
Sample:	16C-003				16C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		7050.00	mg/kg	-	*	43.10	mg/kg	J
Antimony	BN	1.20	mg/kg	J	N	20.40	mg/kg	J
Arsenic	NS	39.30	mg/kg	J		2690.00	mg/kg	-
Barium	*	121.00	mg/kg	J	E	13.00	mg/kg	J
Beryllium	B	1.00	mg/kg	U	U	0.02	mg/kg	U
Cadmium		4.20	mg/kg	-	UN	0.11	mg/kg	UJ
Calcium		62400.00	mg/kg	-	E*	1150.00	mg/kg	J
Chromium	N*	48.30	mg/kg	J	E	2740.00	mg/kg	J
Cobalt	B	7.10	mg/kg	-	U	0.27	mg/kg	U
Copper	N*	68.60	mg/kg	J	E	1690.00	mg/kg	J
Iron	*	15700.00	mg/kg	J	E*	76.40	mg/kg	J
Lead	S*	35.50	mg/kg	J	S	3.00	mg/kg	-
Magnesium		19700.00	mg/kg	-	BE	222.00	mg/kg	J
Manganese	N	512.00	mg/kg	J	E	48.70	mg/kg	J
Mercury	B	0.06	mg/kg	U	B	0.03	mg/kg	U
Molybdenum								
Nickel	*	14.70	mg/kg	-	B	0.48	mg/kg	-
Potassium		1460.00	mg/kg	-		338.00	mg/kg	U
Selenium	UNW	0.45	mg/kg	UJ	UN	0.21	mg/kg	U
Silicon								
Silver	U	0.45	mg/kg	U	U	0.22	mg/kg	U
Sodium	B	176.00	mg/kg	-	E	1810.00	mg/kg	J
Thallium	UWN	0.23	mg/kg	UJ	U	0.30	mg/kg	U
Vanadium		15.20	mg/kg	-	U	0.27	mg/kg	U
Zinc		347.00	mg/kg	-	EN*	77.30	mg/kg	J

0073000

3212

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18A-002A				18A-004A				18A-005				18A-006				18A-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	B	109.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	BW	5.10	ug/L	J	U	4.00	ug/L	U
Arsenic	U	2.00	ug/L	U	U	2.00	ug/L	U	UW	2.00	ug/L	U	U	2.00	ug/L	U	UW	2.00	ug/L	U
Barium	B	38.30	ug/L	-	B	35.00	ug/L	-	B	37.00	ug/L	-	B	35.20	ug/L	-	B	37.10	ug/L	-
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium		53500.00	ug/L	-		51100.00	ug/L	-		50700.00	ug/L	-		50900.00	ug/L	-		52900.00	ug/L	-
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	B	9.90	ug/L	U	B	11.30	ug/L	U	B	10.20	ug/L	U	B	13.30	ug/L	U	B	14.00	ug/L	U
Iron		149.00	ug/L	U		151.00	ug/L	U		299.00	ug/L	U		179.00	ug/L	U	B	97.50	ug/L	U
Lead	BW*	1.20	ug/L	J	UW*	1.00	ug/L	UJ	UW*	1.00	ug/L	UJ	B*	1.80	ug/L	J	UW*	1.00	ug/L	UJ
Magnesium		23600.00	ug/L	-		22500.00	ug/L	-		22200.00	ug/L	-		21300.00	ug/L	-		23200.00	ug/L	-
Manganese	B	13.00	ug/L	U	B	13.80	ug/L	U		15.90	ug/L	U	B	13.80	ug/L	U	B	12.60	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Molybdenum																				
Nickel	B	12.90	ug/L	U	U	11.00	ug/L	U	B	16.80	ug/L	U	B	14.20	ug/L	U	U	11.00	ug/L	U
Potassium	B	4750.00	ug/L	-	B	4650.00	ug/L	-	B	4490.00	ug/L	-	B	4550.00	ug/L	-	B	4630.00	ug/L	-
Selenium	UW	1.00	ug/L	UJ	UW	1.00	ug/L	UJ	UW	1.00	ug/L	UJ	U	1.00	ug/L	U	U	1.00	ug/L	U
Silicon																				
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Sodium		43800.00	ug/L	-		41700.00	ug/L	-		41300.00	ug/L	-		44200.00	ug/L	-		43500.00	ug/L	-
Thallium	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	B	13.10	ug/L	U	B	10.60	ug/L	U	B	15.50	ug/L	U	B	11.50	ug/L	U		24.50	ug/L	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18A-008 DUP				18A-011A				18A-012				18A-013				18A-014			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U	U	90.00	ug/L	U	B	150.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	4.00	ug/L	U	UW	4.00	ug/L	U	BW	4.30	ug/L	J	BW	5.80	ug/L	J
Arsenic	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	B	34.60	ug/L	-	B	39.50	ug/L	-	B	36.50	ug/L	-	B	33.90	ug/L	-	B	34.70	ug/L	-
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium		50300.00	ug/L	-		52800.00	ug/L	-		52500.00	ug/L	-		49300.00	ug/L	-		50100.00	ug/L	-
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	B	11.10	ug/L	U	B	11.80	ug/L	U	B	12.10	ug/L	U	B	11.90	ug/L	U	B	13.10	ug/L	U
Iron		122.00	ug/L	U		410.00	ug/L	U		117.00	ug/L	U		139.00	ug/L	U		126.00	ug/L	U
Lead	UW*	1.00	ug/L	UJ	UW*	1.00	ug/L	UJ	UW*	1.00	ug/L	UJ	UW*	1.00	ug/L	UJ	UW*	1.00	ug/L	UJ
Magnesium		21900.00	ug/L	-		23300.00	ug/L	-		22600.00	ug/L	-		21200.00	ug/L	-		21400.00	ug/L	-
Manganese	B	10.30	ug/L	U	B	13.30	ug/L	U	B	12.50	ug/L	U	B	12.40	ug/L	U	B	10.80	ug/L	U
Mercury	U	0.10	ug/L	U	B	0.12	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Molybdenum																				
Nickel	B	22.30	ug/L	U	B	13.90	ug/L	U	B	14.90	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	B	4630.00	ug/L	-	B	4770.00	ug/L	-	B	4750.00	ug/L	-	B	4470.00	ug/L	-	B	4460.00	ug/L	-
Selenium	U	1.00	ug/L	U	UW	1.00	ug/L	UJ	U	1.00	ug/L	U	U	1.00	ug/L	U	BW	1.50	ug/L	J
Silicon																				
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Sodium		41900.00	ug/L	-		43500.00	ug/L	-		44200.00	ug/L	-		41200.00	ug/L	-		41700.00	ug/L	-
Thallium	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc		31.60	ug/L	U	B	13.90	ug/L	U	B	12.90	ug/L	U	B	12.20	ug/L	U	B	11.90	ug/L	U

2520000

8212

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT				SEDIMENT				SEDIMENT			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18A-015				18A-017				18A-018 DUP				18A-020				18A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U		9700.00	mg/kg	J		7660.00	mg/kg	J		16100.00	mg/kg	J		12500.00	mg/kg	J
Antimony	UW	4.00	ug/L	U	B	11.10	mg/kg	UJ	B	13.70	mg/kg	UJ	B	16.60	mg/kg	UJ	B	12.60	mg/kg	UJ
Arsenic	U	2.00	ug/L	U	B	6.60	mg/kg	J	B	9.00	mg/kg	J	B	9.10	mg/kg	J	B	7.80	mg/kg	J
Barium	B	35.30	ug/L	-	N	451.00	mg/kg	J	N	381.00	mg/kg	J	N	811.00	mg/kg	J	N	763.00	mg/kg	J
Beryllium	U	4.00	ug/L	U	U	7.10	mg/kg	UJ	U	7.60	mg/kg	UJ	U	8.10	mg/kg	UJ	U	5.90	mg/kg	UJ
Cadmium	U	5.00	ug/L	U		11.00	mg/kg	J	U	9.50	mg/kg	UJ	U	10.10	mg/kg	UJ	U	7.40	mg/kg	UJ
Calcium		51300.00	ug/L	-		121000.00	mg/kg	J		101000.00	mg/kg	J		169000.00	mg/kg	J		221000.00	mg/kg	J
Chromium	U	6.00	ug/L	U		95.40	mg/kg	J		78.90	mg/kg	J		155.00	mg/kg	J		125.00	mg/kg	J
Cobalt	U	7.00	ug/L	U	B	19.50	mg/kg	UJ	U	13.30	mg/kg	UJ	B	26.70	mg/kg	UJ	B	17.70	mg/kg	UJ
Copper	B	14.20	ug/L	U		200.00	mg/kg	J		168.00	mg/kg	J		316.00	mg/kg	J		227.00	mg/kg	J
Iron		107.00	ug/L	U		27100.00	mg/kg	J		22900.00	mg/kg	J		40000.00	mg/kg	J		29700.00	mg/kg	J
Lead	W*	5.10	ug/L	J		526.00	mg/kg	J		452.00	mg/kg	J		937.00	mg/kg	J		696.00	mg/kg	J
Magnesium		22000.00	ug/L	-		20900.00	mg/kg	J		17400.00	mg/kg	J		30100.00	mg/kg	J		24800.00	mg/kg	J
Manganese	B	13.30	ug/L	U	N	627.00	mg/kg	J	N	516.00	mg/kg	J	N	846.00	mg/kg	J	N	789.00	mg/kg	J
Mercury	U	0.10	ug/L	U		4.40	mg/kg	J		4.20	mg/kg	J		4.30	mg/kg	J		3.10	mg/kg	J
Molybdenum																				
Nickel	B	13.50	ug/L	U		178.00	mg/kg	J		143.00	mg/kg	UJ		268.00	mg/kg	J		163.00	mg/kg	J
Potassium	B	4590.00	ug/L	-	B	1730.00	mg/kg	J	B	1280.00	mg/kg	J	B	3270.00	mg/kg	J	B	1970.00	mg/kg	J
Selenium	BW	1.00	ug/L	J	BNW	4.10	mg/kg	UJ	BN	6.30	mg/kg	UJ	BN	4.80	mg/kg	UJ	BN	2.90	mg/kg	UJ
Silicon																				
Silver	U	1.00	ug/L	U	B	2.70	mg/kg	J	B	2.50	mg/kg	J	B	3.00	mg/kg	J	B	2.50	mg/kg	J
Sodium		43300.00	ug/L	-	B	779.00	mg/kg	J	B	824.00	mg/kg	J	B	1010.00	mg/kg	J	B	829.00	mg/kg	J
Thallium	UW	1.00	ug/L	U	U	1.80	mg/kg	UJ	U	1.90	mg/kg	UJ	U	2.00	mg/kg	UJ	U	1.50	mg/kg	UJ
Vanadium	U	12.00	ug/L	U	U	21.40	mg/kg	UJ	U	22.90	mg/kg	UJ	U	24.20	mg/kg	UJ	U	17.60	mg/kg	UJ
Zinc	B	16.70	ug/L	U	EN	765.00	mg/kg	J	EN	839.00	mg/kg	J	EN	1420.00	mg/kg	J	EN	722.00	mg/kg	J

CS4900

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Metals

Material:	SEDIMENT				SEDIMENT				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-023				18A-024				18A-026				18A-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		18500.00	mg/kg	J		17400.00	mg/kg	J		13400.00	mg/kg	J		9130.00	mg/kg	J
Antimony	B	19.20	mg/kg	UJ	B	14.30	mg/kg	UJ	B	8.30	mg/kg	UJ	B	5.50	mg/kg	UJ
Arsenic	B	9.00	mg/kg	J	B	12.50	mg/kg	J		5.30	mg/kg	J		9.50	mg/kg	J
Barium	N	578.00	mg/kg	J	N	1230.00	mg/kg	J	N	275.00	mg/kg	J	N	1770.00	mg/kg	J
Beryllium	U	7.60	mg/kg	UJ	U	5.20	mg/kg	UJ	B	2.80	mg/kg	J	B	2.50	mg/kg	J
Cadmium	U	9.50	mg/kg	UJ	U	6.50	mg/kg	UJ		4.70	mg/kg	J	U	2.80	mg/kg	UJ
Calcium		170000.00	mg/kg	J		186000.00	mg/kg	J		251000.00	mg/kg	J		281000.00	mg/kg	J
Chromium		114.00	mg/kg	J		712.00	mg/kg	J		78.00	mg/kg	J		82.50	mg/kg	J
Cobalt	B	29.20	mg/kg	UJ	B	20.30	mg/kg	UJ	B	9.00	mg/kg	UJ	B	18.80	mg/kg	UJ
Copper		244.00	mg/kg	J		249.00	mg/kg	J		319.00	mg/kg	J		483.00	mg/kg	J
Iron		35700.00	mg/kg	J		56900.00	mg/kg	J		21400.00	mg/kg	J		51900.00	mg/kg	J
Lead		555.00	mg/kg	J		1850.00	mg/kg	J		107.00	mg/kg	J		133.00	mg/kg	J
Magnesium		29000.00	mg/kg	J		24700.00	mg/kg	J		23300.00	mg/kg	J		43000.00	mg/kg	J
Manganese	N	882.00	mg/kg	J	N	719.00	mg/kg	J	N	685.00	mg/kg	J	N	881.00	mg/kg	J
Mercury		3.00	mg/kg	J		4.30	mg/kg	J		1.10	mg/kg	J		1.10	mg/kg	J
Molybdenum																
Nickel		226.00	mg/kg	J		110.00	mg/kg	J		198.00	mg/kg	J		199.00	mg/kg	J
Potassium	B	4340.00	mg/kg	J	B	4430.00	mg/kg	J	B	2630.00	mg/kg	J	B	931.00	mg/kg	J
Selenium	UNW	3.80	mg/kg	UJ	UN	2.60	mg/kg	UJ	UNW	1.20	mg/kg	UJ	UN	1.10	mg/kg	UJ
Silicon																
Silver	BW	1.90	mg/kg	J	BW	2.60	mg/kg	J	W	0.69	mg/kg	J	BW	1.20	mg/kg	J
Sodium	B	992.00	mg/kg	J	B	743.00	mg/kg	J	B	475.00	mg/kg	J	B	382.00	mg/kg	J
Thallium	U	1.90	mg/kg	UJ	U	1.30	mg/kg	UJ	U	0.62	mg/kg	UJ	U	0.55	mg/kg	UJ
Vanadium	B	39.00	mg/kg	J	B	32.10	mg/kg	J	B	19.10	mg/kg	J		59.10	mg/kg	J
Zinc	EN	979.00	mg/kg	J	EN	743.00	mg/kg	J	EN	1040.00	mg/kg	J	EN	712.00	mg/kg	J

000794

7173

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Metals

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	18B-006				18B-007 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	•	7650.00	mg/kg	-	•	5520.00	mg/kg	-
Antimony	BN	16.30	mg/kg	J	BN	14.00	mg/kg	J
Arsenic	N	10.60	mg/kg	J	NS	15.30	mg/kg	J
Barium	•	4080.00	mg/kg	J	*	214.00	mg/kg	J
Beryllium	B	1.10	mg/kg	U	U	0.30	mg/kg	U
Cadmium		8.80	mg/kg	U		7.50	mg/kg	-
Calcium		137000.00	mg/kg	-		121000.00	mg/kg	-
Chromium	N*	63.70	mg/kg	J	N*	56.20	mg/kg	J
Cobalt	B	10.80	mg/kg	-		16.80	mg/kg	-
Copper	N*	771.00	mg/kg	J	N*	590.00	mg/kg	J
Iron	•	57500.00	mg/kg	J	*	116000.00	mg/kg	J
Lead		436.00	mg/kg	-		312.00	mg/kg	-
Magnesium		24100.00	mg/kg	-		22400.00	mg/kg	-
Manganese	N	672.00	mg/kg	J	N	1160.00	mg/kg	J
Mercury		2.90	mg/kg	-		1.90	mg/kg	-
Molybdenum								
Nickel	•	121.00	mg/kg	-	•	108.00	mg/kg	-
Potassium	B	1290.00	mg/kg	-	B	770.00	mg/kg	-
Selenium	UNW	0.58	mg/kg	UJ	UNW	0.60	mg/kg	UJ
Silicon								
Silver	B	0.84	mg/kg	U	B	0.69	mg/kg	U
Sodium	B	633.00	mg/kg	U	B	385.00	mg/kg	-
Thallium	UWN	0.29	mg/kg	UJ	UWN	0.30	mg/kg	UJ
Vanadium		21.20	mg/kg	-		19.80	mg/kg	-
Zinc		1040.00	mg/kg	-		944.00	mg/kg	-

SS6000

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT				UNKNOWN LIQUID				SEDIMENT			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18C-002				18C-004				18C-005 DUP				18C-008				18C-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		24900.00	ug/L	-		4020.00	mg/kg	-		3700.00	mg/kg	-		25400.00	ug/L	-		14500.00	mg/kg	-
Antimony	U	24.70	ug/L	U	UN	13.30	mg/kg	UJ	UN	13.60	mg/kg	UJ	U	24.70	ug/L	U	UN	14.80	mg/kg	UJ
Arsenic	BW	1.50	ug/L	UJ	B	3.90	mg/kg	-	B	3.80	mg/kg	-	BW	1.40	ug/L	UJ		140.00	mg/kg	-
Barium	B	32.60	ug/L	-	B	77.90	mg/kg	-	B	75.60	mg/kg	-	B	33.00	ug/L	-		232.00	mg/kg	-
Beryllium		27.50	ug/L	-	B	0.38	mg/kg	-	B	0.38	mg/kg	U		27.70	ug/L	-		10.00	mg/kg	-
Cadmium		7.10	ug/L	-	U	0.78	mg/kg	U	U	0.80	mg/kg	U		8.10	ug/L	-	B	1.70	mg/kg	U
Calcium		112000.00	ug/L	-		320000.00	mg/kg	-		315000.00	mg/kg	-		110000.00	ug/L	-		70100.00	mg/kg	-
Chromium	B	9.10	ug/L	-	B	3.80	mg/kg	-	B	6.00	mg/kg	-	B	8.00	ug/L	-		32.30	mg/kg	-
Cobalt		324.00	ug/L	-	U	3.20	mg/kg	-	U	3.30	mg/kg	U		316.00	ug/L	-		61.30	mg/kg	-
Copper		506.00	ug/L	-	B	7.60	mg/kg	-	B	5.80	mg/kg	U		517.00	ug/L	-		193.00	mg/kg	-
Iron		12400.00	ug/L	-		5340.00	mg/kg	-		4930.00	mg/kg	-		12400.00	ug/L	-		31000.00	mg/kg	-
Lead	UNW	0.33	ug/L	UJ	B	1.50	mg/kg	U	B	1.30	mg/kg	U	UNW	0.33	ug/L	UJ		129.00	mg/kg	-
Magnesium		74900.00	ug/L	-		19000.00	mg/kg	-		18500.00	mg/kg	-		74700.00	ug/L	-		4650.00	mg/kg	-
Manganese		3200.00	ug/L	-		673.00	mg/kg	-		653.00	mg/kg	-		3200.00	ug/L	-		310.00	mg/kg	-
Mercury	U	0.10	ug/L	U	U	0.15	mg/kg	U	U	0.15	mg/kg	U	U	0.10	ug/L	U	U	0.17	mg/kg	U
Molybdenum																				
Nickel		531.00	ug/L	-	U	9.00	mg/kg	U	U	9.20	mg/kg	U		534.00	ug/L	-		92.50	mg/kg	-
Potassium		9010.00	ug/L	-	U	204.00	mg/kg	U	B	618.00	mg/kg	U		9020.00	ug/L	-	B	1550.00	mg/kg	-
Selenium	S	55.30	ug/L	-	U	1.20	mg/kg	U	U	1.20	mg/kg	U	S	64.60	ug/L	-		9.40	mg/kg	-
Silicon																				
Silver	U	3.60	ug/L	U	B	2.00	mg/kg	U	B	4.80	mg/kg	U	U	3.60	ug/L	U	B	5.40	mg/kg	U
Sodium		877000.00	ug/L	-	B	1420.00	mg/kg	-	B	1030.00	mg/kg	-		873000.00	ug/L	-	B	2050.00	mg/kg	-
Thallium	BNW	0.92	ug/L	J	U	2.20	mg/kg	U	U	2.20	mg/kg	U	BNW	0.76	ug/L	J	U	2.40	mg/kg	U
Vanadium	U	3.30	ug/L	U	U	1.80	mg/kg	U	B	2.10	mg/kg	U	U	3.30	ug/L	U		69.10	mg/kg	-
Zinc		1060.00	ug/L	-		15.70	mg/kg	U	B	9.10	mg/kg	U		1070.00	ug/L	-		298.00	mg/kg	-

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT				UNKNOWN LIQUID			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18E-001				18E-002 DUP				18E-006				18E-007				18E-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		2100.00	ug/L	-		9210.00	ug/L	-	E*	13400.00	mg/kg	J	E*	9950.00	mg/kg	J	B	151.00	ug/L	U
Antimony	U	48.00	ug/L	U	U	48.00	ug/L	U	UN	7.10	mg/kg	UJ	UN	8.00	mg/kg	UJ	UN	48.00	ug/L	UJ
Arsenic	B	8.00	ug/L	-		10.00	ug/L	-		13.10	mg/kg	J		12.80	mg/kg	J	BWN	1.80	ug/L	UJ
Barium	B	158.00	ug/L	-		202.00	ug/L	-	EN*	188.00	mg/kg	J	EN*	191.00	mg/kg	J	B	38.40	ug/L	-
Beryllium	B	0.73	ug/L	U	U	0.34	ug/L	U	B	0.35	mg/kg	UJ	B	0.41	mg/kg	UJ	B	0.73	ug/L	U
Cadmium	B	4.00	ug/L	U	U	2.00	ug/L	U		2.60	mg/kg	J	E	2.90	mg/kg	J	U	2.00	ug/L	U
Calcium		66100.00	ug/L	-		69900.00	ug/L	-		60700.00	mg/kg	J		63700.00	mg/kg	J		48600.00	ug/L	-
Chromium		11.90	ug/L	-		23.40	ug/L	-	N*	32.30	mg/kg	J	EN*	30.00	mg/kg	J	UEN	8.00	ug/L	UJ
Cobalt	B	17.20	ug/L	U	B	21.20	ug/L	U	N	22.80	mg/kg	J	EN	24.70	mg/kg	J	U	5.00	ug/L	U
Copper		33.40	ug/L	-		68.20	ug/L	-	E*	85.40	mg/kg	J	E*	94.30	mg/kg	J	B	4.40	ug/L	-
Iron		6090.00	ug/L	-		17900.00	ug/L	-	•	19700.00	mg/kg	J	E*	20000.00	mg/kg	J		143.00	ug/L	U
Lead	•	72.80	ug/L	J	•	110.00	ug/L	J		146.00	mg/kg	J		135.00	mg/kg	J	B	2.30	ug/L	U
Magnesium		14100.00	ug/L	-		17200.00	ug/L	-	E*	16000.00	mg/kg	J	E*	16400.00	mg/kg	J		16000.00	ug/L	-
Manganese		931.00	ug/L	-		1030.00	ug/L	-	E	632.00	mg/kg	J	E	659.00	mg/kg	J		63.90	ug/L	-
Mercury	N	0.60	ug/L	-	N	0.54	ug/L	-	N	0.81	mg/kg	J	N	0.73	mg/kg	J	U	0.07	ug/L	U
Molybdenum																				
Nickel	B	25.20	ug/L	U		42.00	ug/L	U	N*	43.30	mg/kg	J	EN*	47.10	mg/kg	J	U	7.00	ug/L	U
Potassium	B	4040.00	ug/L	U		5570.00	ug/L	U	•	3020.00	mg/kg	J	E*	2020.00	mg/kg	J	BE	4720.00	ug/L	J
Selenium	B	1.10	ug/L	-	BW	1.40	ug/L	J	BN	2.20	mg/kg	J	BN	2.30	mg/kg	J	UWN	1.20	ug/L	UJ
Silicon																				
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U	UN	0.59	mg/kg	UJ	BN	0.77	mg/kg	J	U	4.00	ug/L	U
Sodium		19200.00	ug/L	-		20200.00	ug/L	-	B	460.00	mg/kg	UJ	B	433.00	mg/kg	UJ		23600.00	ug/L	-
Thallium	UWN	1.50	ug/L	UJ	UWN	1.50	ug/L	UJ	UN	0.91	mg/kg	J	UN	1.00	mg/kg	UJ	UWN	1.50	ug/L	UJ
Vanadium	B	5.90	ug/L	-	B	15.60	ug/L	-		24.40	mg/kg	J	E*	19.60	mg/kg	J	U	5.00	ug/L	U
Zinc		476.00	ug/L	-		534.00	ug/L	-	E	598.00	mg/kg	J	E	661.00	mg/kg	J		33.40	ug/L	U

450090

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Metals

Material:	SEDIMENT				SEDIMENT				UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	18E-012				18E-013				18E-016				18E-017 DUP				18E-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	•	3130.00	mg/kg	J	•	5520.00	mg/kg	J	B	108.00	ug/L	U	B	172.00	ug/L	-		12200.00	mg/kg	J
Antimony	UN	5.70	mg/kg	UJ	UN	6.30	mg/kg	UJ	U	48.00	ug/L	U	U	48.00	ug/L	U	UN	5.00	mg/kg	R
Arsenic	BWN	1.10	mg/kg	J	N	11.40	mg/kg	J	UWN	2.40	ug/L	U	UWN	2.40	ug/L	U		11.50	mg/kg	J
Barium	•	55.90	mg/kg	J	•	93.60	mg/kg	J	B	34.50	ug/L	-	B	35.10	ug/L	-		159.00	mg/kg	J
Beryllium	B	0.24	mg/kg	UJ	B	0.40	mg/kg	UJ	U	0.34	ug/L	U	B	0.38	ug/L	U		0.52	mg/kg	UJ
Cadmium	•	0.97	mg/kg	UJ	*	1.70	mg/kg	UJ	U	2.00	ug/L	U	U	2.00	ug/L	U		3.00	mg/kg	J
Calcium	•	24200.00	mg/kg	J	*	42500.00	mg/kg	J		45200.00	ug/L	-		45700.00	ug/L	-	E	90100.00	mg/kg	J
Chromium	•	10.00	mg/kg	J	•	17.50	mg/kg	J	U	8.00	ug/L	U	U	8.00	ug/L	U	N	38.20	mg/kg	J
Cobalt		8.80	mg/kg	J		13.50	mg/kg	J	U	5.00	ug/L	U	U	5.00	ug/L	U		20.40	mg/kg	J
Copper	•	21.50	mg/kg	J	•	36.40	mg/kg	J	B	4.40	ug/L	-	U	3.00	ug/L	U		56.80	mg/kg	J
Iron	•	5930.00	mg/kg	J	•	9880.00	mg/kg	J		102.00	ug/L	-	B	96.20	ug/L	-	E	20100.00	mg/kg	J
Lead	N*	3.60	mg/kg	UJ	N*	54.50	mg/kg	J	B	1.80	ug/L	U	U	1.40	ug/L	U		79.80	mg/kg	UJ
Magnesium	*	5080.00	mg/kg	J	*	9010.00	mg/kg	J		15100.00	ug/L	-		15500.00	ug/L	-		21000.00	mg/kg	J
Manganese	•	338.00	mg/kg	J	*	533.00	mg/kg	J		48.30	ug/L	-		46.40	ug/L	-	E	935.00	mg/kg	J
Mercury	U	0.08	mg/kg	UJ	U	0.09	mg/kg	UJ	U	0.14	ug/L	U	U	0.07	ug/L	U		0.27	mg/kg	UJ
Molybdenum																				
Nickel	*	14.70	mg/kg	J	•	23.70	mg/kg	J	U	7.00	ug/L	U	U	7.00	ug/L	U	EN	42.00	mg/kg	J
Potassium	B	501.00	mg/kg	J		1000.00	mg/kg	J	B	3620.00	ug/L	-	B	2300.00	ug/L	-	•	2320.00	mg/kg	J
Selenium	UN	0.59	mg/kg	R	BN	1.90	mg/kg	J	B	1.50	ug/L	U	BW	1.40	ug/L	UJ	S	2.40	mg/kg	J
Silicon																				
Silver	U*	0.48	mg/kg	UJ	B*	0.72	mg/kg	J	U	4.00	ug/L	U	U	4.00	ug/L	U	B	0.48	mg/kg	J
Sodium	B	329.00	mg/kg	J	B	264.00	mg/kg	J	E	23600.00	ug/L	J	E	23800.00	ug/L	J	B	267.00	mg/kg	J
Thallium	UN	0.76	mg/kg	R	UN	0.79	mg/kg	R	UWN	1.50	ug/L	UJ	UWN	1.50	ug/L	UJ	BWN	0.92	mg/kg	UJ
Vanadium		7.50	mg/kg	J		12.40	mg/kg	J	U	5.00	ug/L	U	U	5.00	ug/L	U		23.30	mg/kg	J
Zinc	EN*	221.00	mg/kg	J	EN*	373.00	mg/kg	J		21.30	ug/L	U	B	17.60	ug/L	U	E	918.00	mg/kg	J

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-023				18E-025				18E-027				18E-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		254.00	ug/L	-		19400.00	mg/kg	J	B	90.40	ug/L	U		17300.00	mg/kg	J
Antimony	UN	48.00	ug/L	UJ	UN	15.40	mg/kg	R	U	48.00	ug/L	U	UN	6.20	mg/kg	R
Arsenic	BWN	2.00	ug/L	UJ	B	5.10	mg/kg	J	B	1.50	ug/L	U		12.70	mg/kg	J
Barium	B	43.60	ug/L	-		218.00	mg/kg	J	B	35.20	ug/L	-		199.00	mg/kg	J
Beryllium	B	0.61	ug/L	U	B	0.65	mg/kg	UJ	U	0.34	ug/L	U		1.10	mg/kg	UJ
Cadmium	U	2.00	ug/L	U		4.50	mg/kg	UJ	U	2.00	ug/L	U		3.30	mg/kg	J
Calcium		52200.00	ug/L	-	E	136000.00	mg/kg	J		43700.00	ug/L	-	E	91300.00	mg/kg	J
Chromium	UEN	8.00	ug/L	UJ	N	42.40	mg/kg	J	U	8.00	ug/L	U	N	42.10	mg/kg	J
Cobalt	U	5.00	ug/L	U		35.70	mg/kg	J	U	5.00	ug/L	U		30.20	mg/kg	J
Copper	B	6.00	ug/L	-		78.60	mg/kg	J	B	3.70	ug/L	-		79.00	mg/kg	J
Iron		533.00	ug/L	-	E	28100.00	mg/kg	J	B	60.40	ug/L	-	E	22500.00	mg/kg	J
Lead		9.00	ug/L	U		45.50	mg/kg	UJ	B	1.10	ug/L	U		75.90	mg/kg	UJ
Magnesium		16700.00	ug/L	-		26700.00	mg/kg	J		15300.00	ug/L	-		20400.00	mg/kg	J
Manganese		126.00	ug/L	-	E	1080.00	mg/kg	J		44.80	ug/L	-	E	1000.00	mg/kg	J
Mercury	U	0.07	ug/L	U	U	0.24	mg/kg	UJ	U	0.07	ug/L	U	U	0.08	mg/kg	UJ
Molybdenum																
Nickel	U	7.00	ug/L	U	EN	62.70	mg/kg	J	U	7.00	ug/L	U	EN	51.10	mg/kg	J
Potassium	BE	3230.00	ug/L	J	*	4400.00	mg/kg	J	B	3240.00	ug/L	-	*	3610.00	mg/kg	J
Selenium	BN	1.40	ug/L	UJ	U	1.60	mg/kg	UJ	B	1.50	ug/L	-	BS	2.50	mg/kg	J
Silicon																
Silver	U	4.00	ug/L	U	B	3.10	mg/kg	J	U	4.00	ug/L	U	B	1.20	mg/kg	J
Sodium		24100.00	ug/L	-	B	672.00	mg/kg	J		23900.00	ug/L	-	B	396.00	mg/kg	J
Thallium	UWN	1.50	ug/L	UJ	UN	2.10	mg/kg	UJ	UWN	1.50	ug/L	UJ	UN	0.93	mg/kg	UJ
Vanadium	U	5.00	ug/L	U		39.50	mg/kg	J	U	5.00	ug/L	U		35.20	mg/kg	J
Zinc		61.50	ug/L	-	E	1220.00	mg/kg	J	B	18.90	ug/L	U	E	812.00	mg/kg	J

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	18J-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	87.70	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	UW	1.00	ug/L	U
Barium	B	9.00	ug/L	-
Beryllium	B	2.80	ug/L	R
Cadmium	U	2.00	ug/L	U
Calcium		12600.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	BN	8.20	ug/L	-
Iron		505.00	ug/L	-
Lead	BN*	2.50	ug/L	J
Magnesium	B	531.00	ug/L	U
Manganese	N	17.00	ug/L	J
Mercury	N	0.76	ug/L	UJ
Molybdenum				
Nickel	U	15.00	ug/L	U
Potassium	B	1460.00	ug/L	-
Selenium	UN	2.00	ug/L	R
Silicon				
Silver	UW	2.00	ug/L	U
Sodium	B	665.00	ug/L	U
Thallium	UN	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc		211.00	ug/L	-

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18K-001				18K-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	35.70	ug/L	U		24800.00	mg/kg	J
Antimony	U	48.00	ug/L	U	UN	38.40	mg/kg	UJ
Arsenic	BW	2.70	ug/L	UJ		36.10	mg/kg	J
Barium	B	18.50	ug/L	U	N	1180.00	mg/kg	J
Beryllium	U	0.34	ug/L	U	B	0.81	mg/kg	UJ
Cadmium	U	2.00	ug/L	U	N	9.10	mg/kg	UJ
Calcium		10800.00	ug/L	-	E	663000.00	mg/kg	J
Chromium	U	8.00	ug/L	U	EN	407.00	mg/kg	J
Cobalt	U	5.00	ug/L	U	B	20.40	mg/kg	UJ
Copper	U	3.00	ug/L	U		1980.00	mg/kg	J
Iron	B	44.20	ug/L	U	E	60600.00	mg/kg	J
Lead	B	0.87	ug/L	U		1340.00	mg/kg	J
Magnesium		66600.00	ug/L	-		67000.00	mg/kg	J
Manganese	B	13.80	ug/L	U	EN	930.00	mg/kg	J
Mercury	U	0.07	ug/L	U	N	26.00	mg/kg	J
Molybdenum								
Nickel	U	7.00	ug/L	U	N	320.00	mg/kg	J
Potassium		5430.00	ug/L	-		6200.00	mg/kg	J
Selenium	UM	1.20	ug/L	UJ	UW	4.10	mg/kg	UJ
Silicon								
Silver	U	4.00	ug/L	U	N	13.30	mg/kg	J
Sodium		42600.00	ug/L	-	B	3860.00	mg/kg	J
Thallium	UWN	1.50	ug/L	UJ	UWN	5.10	mg/kg	R
Vanadium	U	5.00	ug/L	U		118.00	mg/kg	J
Zinc	B	12.90	ug/L	U	EN	1350.00	mg/kg	J

000801

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18L-001				18L-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	26.90	ug/L	U		6500.00	mg/kg	J
Antimony	U	48.00	ug/L	U	UN	10.70	mg/kg	UJ
Arsenic	UW	0.83	ug/L	U	B	4.70	mg/kg	J
Barium	B	15.30	ug/L	U	N	141.00	mg/kg	J
Beryllium	U	0.34	ug/L	U	U	0.07	mg/kg	UJ
Cadmium	U	2.00	ug/L	U	N	1.80	mg/kg	UJ
Calcium		20600.00	ug/L	-	E	487000.00	mg/kg	J
Chromium	U	8.00	ug/L	U	EN	30.10	mg/kg	J
Cobalt	U	5.00	ug/L	U	B	4.50	mg/kg	UJ
Copper	U	3.00	ug/L	U		188.00	mg/kg	J
Iron	B	8.80	ug/L	U	E	8380.00	mg/kg	J
Lead	BN*	1.70	ug/L	UJ		61.20	mg/kg	J
Magnesium		30200.00	ug/L	-		26800.00	mg/kg	J
Manganese	U	0.80	ug/L	U	EN	185.00	mg/kg	J
Mercury	U	0.07	ug/L	U	N	1.20	mg/kg	J
Molybdenum								
Nickel	U	7.00	ug/L	U	N	49.80	mg/kg	J
Potassium	U	1190.00	ug/L	U		1550.00	mg/kg	J
Selenium	UW	1.00	ug/L	U	B	1.00	mg/kg	J
Silicon								
Silver	U	4.00	ug/L	U	BN	2.00	mg/kg	J
Sodium	B	3110.00	ug/L	U		1530.00	mg/kg	J
Thallium	U	1.50	ug/L	U	UN	1.20	mg/kg	UJ
Vanadium	U	5.00	ug/L	U		15.40	mg/kg	J
Zinc	B	6.10	ug/L	-	EN	281.00	mg/kg	J

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Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	2
Sample:	19D-013

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	129.00	ug/L	-
Antimony	U	50.00	ug/L	U
Arsenic	BJW	1.60	ug/L	J
Barium	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium		41900.00	ug/L	-
Chromium	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U
Iron	B	34.60	ug/L	-
Lead	UW	2.80	ug/L	UJ
Magnesium		43200.00	ug/L	-
Manganese	U	8.00	ug/L	U
Mercury	U	0.10	ug/L	U
Molybdenum				
Nickel	U	20.00	ug/L	U
Potassium		21400.00	ug/L	-
Selenium	U	2.00	ug/L	U
Silicon				
Silver	U	5.00	ug/L	U
Sodium		27200.00	ug/L	-
Thallium	UJ	1.80	ug/L	UJ
Vanadium	U	12.00	ug/L	U
Zinc	B	19.80	ug/L	-

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	22E-005				22E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		568.00	ug/L	-	•	4070.00	mg/kg	-
Antimony	U	15.00	ug/L	U	BN	2.30	mg/kg	J
Arsenic	UW	1.00	ug/L	U	N	36.90	mg/kg	J
Barium	B	89.50	ug/L	-	*	2690.00	mg/kg	J
Beryllium		8.60	ug/L	R		1.60	mg/kg	U
Cadmium	U	2.00	ug/L	U		2.80	mg/kg	U
Calcium		69400.00	ug/L	-		277000.00	mg/kg	-
Chromium	U	7.00	ug/L	U	N*	51.60	mg/kg	J
Cobalt	U	11.00	ug/L	U	B	8.70	mg/kg	-
Copper	BN	11.50	ug/L	J	N*	769.00	mg/kg	J
Iron		622.00	ug/L	-	•	17600.00	mg/kg	J
Lead	N*	6.50	ug/L	J	S*	48.90	mg/kg	J
Magnesium		19600.00	ug/L	-		7550.00	mg/kg	-
Manganese	N	45.50	ug/L	UJ	N	1530.00	mg/kg	J
Mercury	UN	0.10	ug/L	U		0.73	mg/kg	-
Molybdenum								
Nickel	U	15.00	ug/L	U	•	43.40	mg/kg	-
Potassium	B	2540.00	ug/L	-	B	613.00	mg/kg	-
Selenium	UN	2.00	ug/L	R	NS	1.90	mg/kg	J
Silicon								
Silver	U	2.00	ug/L	U		3.30	mg/kg	-
Sodium		13700.00	ug/L	-	B	322.00	mg/kg	U
Thallium	BN	2.50	ug/L	U	BN	0.37	mg/kg	UJ
Vanadium	U	13.00	ug/L	U		148.00	mg/kg	-
Zinc		97.00	ug/L	U		109.00	mg/kg	-

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25F-003				25F-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		148000.00	ug/L	J		2730.00	mg/kg	-
Antimony	U	265.00	ug/L	UJ		24.80	mg/kg	-
Arsenic	BW	6.90	ug/L	J		2.50	mg/kg	-
Barium		10300.00	ug/L	J		188.00	mg/kg	-
Beryllium	B	22.40	ug/L	UJ		1.00	mg/kg	-
Cadmium	N	136.00	ug/L	UJ		2.70	mg/kg	-
Calcium		2090000.00	ug/L	J	*	70700.00	mg/kg	-
Chromium		4190.00	ug/L	J		149.00	mg/kg	-
Cobalt	B	112.00	ug/L	J	B	5.80	mg/kg	-
Copper		6060.00	ug/L	J	N	156.00	mg/kg	J
Iron		492000.00	ug/L	J		10800.00	mg/kg	-
Lead		3730.00	ug/L	J		89.50	mg/kg	-
Magnesium		142000.00	ug/L	J	*	20500.00	mg/kg	J
Manganese		14000.00	ug/L	J		447.00	mg/kg	-
Mercury		26.90	ug/L	J		2.40	mg/kg	-
Molybdenum								
Nickel		707.00	ug/L	J		19.80	mg/kg	-
Potassium	U	31600.00	ug/L	UJ	U	633.00	mg/kg	U
Selenium		46.70	ug/L	J	BN	0.67	mg/kg	J
Silicon								
Silver		357.00	ug/L	J		10.90	mg/kg	-
Sodium	B	27000.00	ug/L	J	B	111.00	mg/kg	-
Thallium	BW	1.80	ug/L	J	B	0.26	mg/kg	-
Vanadium		525.00	ug/L	J		13.00	mg/kg	-
Zinc	E	27100.00	ug/L	J		423.00	mg/kg	-

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25G-007				25G-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		266.00	ug/L	U	B	36.00	mg/kg	U
Antimony	U	35.20	ug/L	U	U	6.10	mg/kg	U
Arsenic	U	1.30	ug/L	U	UN	0.18	mg/kg	R
Barium	B	16.20	ug/L	U	B	3.30	mg/kg	-
Beryllium	U	2.40	ug/L	U	U	0.14	mg/kg	U
Cadmium	U	2.70	ug/L	U	U	0.26	mg/kg	U
Calcium		25400.00	ug/L	-	B	578.00	mg/kg	U
Chromium	U	3.00	ug/L	U	U	0.86	mg/kg	U
Cobalt	U	3.80	ug/L	U	U	0.74	mg/kg	U
Copper	B	20.20	ug/L	U	B	2.00	mg/kg	-
Iron		672.00	ug/L	-	•	191.00	mg/kg	J
Lead	U	1.10	ug/L	U		0.97	mg/kg	UJ
Magnesium		16100.00	ug/L	-	B	129.00	mg/kg	U
Manganese		47.30	ug/L	-	B	1.80	mg/kg	-
Mercury	U	0.10	ug/L	U	B	0.07	mg/kg	UJ
Molybdenum								
Nickel	U	17.80	ug/L	U	U	1.00	mg/kg	U
Potassium		5000.00	ug/L	-	B	96.90	mg/kg	-
Selenium	UW	0.80	ug/L	UJ	U	0.22	mg/kg	U
Silicon								
Silver	U	3.40	ug/L	U	U	0.54	mg/kg	U
Sodium		24000.00	ug/L	-	B	50.10	mg/kg	-
Thallium	UW	0.90	ug/L	UJ	U	0.10	mg/kg	U
Vanadium	B	16.80	ug/L	U	U	0.80	mg/kg	U
Zinc		31.10	ug/L	U		8.70	mg/kg	U

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Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	25H-005

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		905.00	ug/L	-
Antimony	U	26.50	ug/L	U
Arsenic	U	0.70	ug/L	U
Barium	B	81.10	ug/L	-
Beryllium	B	0.87	ug/L	U
Cadmium	UN	2.80	ug/L	U
Calcium		54900.00	ug/L	-
Chromium		28.00	ug/L	U
Cobalt	B	3.40	ug/L	-
Copper		66.30	ug/L	-
Iron		3640.00	ug/L	-
Lead		20.00	ug/L	-
Magnesium		17700.00	ug/L	-
Manganese		136.00	ug/L	-
Mercury		0.55	ug/L	-
Molybdenum				
Nickel	U	12.10	ug/L	U
Potassium		9300.00	ug/L	-
Selenium	BW	1.70	ug/L	UJ
Silicon				
Silver	U	3.40	ug/L	U
Sodium		30000.00	ug/L	-
Thallium	U	1.10	ug/L	U
Vanadium	B	12.80	ug/L	U
Zinc	E	207.00	ug/L	J

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	26C-007

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		217.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	UN	3.00	ug/L	UJ
Barium	B	30.20	ug/L	-
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium		43600.00	ug/L	-
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	13.10	ug/L	U
Iron		1850.00	ug/L	-
Lead		10.30	ug/L	R
Magnesium		8760.00	ug/L	-
Manganese		44.90	ug/L	-
Mercury		2.70	ug/L	-
Molybdenum				
Nickel	U	8.00	ug/L	U
Potassium		6580.00	ug/L	-
Selenium	U	3.00	ug/L	U
Silicon				
Silver	U	4.00	ug/L	U
Sodium		33000.00	ug/L	-
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc		175.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Metals

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	31A-007				31A-008				31A-009				31A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum		1120.00	mg/kg	-		1090.00	ug/L	-	B	27.40	ug/L	-		968.00	ug/L	-
Antimony	UN	11.90	mg/kg	UJ	U	26.50	ug/L	U	U	26.50	ug/L	U	U	46.00	ug/L	U
Arsenic		8.00	mg/kg	-	B	6.40	ug/L	-	U	0.70	ug/L	U	B	3.40	ug/L	-
Barium		500.00	mg/kg	-	B	56.50	ug/L	-	B	13.40	ug/L	-	B	56.90	ug/L	-
Beryllium	U	0.26	mg/kg	U	B	0.46	ug/L	U	U	0.30	ug/L	U	U	1.00	ug/L	U
Cadmium		3.70	mg/kg	U	N	20.60	ug/L	J	UN	2.80	ug/L	U		6.40	ug/L	-
Calcium		78800.00	mg/kg	-		52800.00	ug/L	-		27700.00	ug/L	-		43400.00	ug/L	-
Chromium		58.60	mg/kg	-		477.00	ug/L	-	U	2.90	ug/L	U		14.50	ug/L	U
Cobalt	B	6.80	mg/kg	-	B	32.80	ug/L	-	U	3.20	ug/L	U	U	8.00	ug/L	U
Copper		66.00	mg/kg	-		312.00	ug/L	-	B	23.80	ug/L	U		173.00	ug/L	-
Iron	E	6180.00	mg/kg	J		55800.00	ug/L	-		1680.00	ug/L	-		9130.00	ug/L	-
Lead		285.00	mg/kg	-		123.00	ug/L	-		17.10	ug/L	-	S	110.00	ug/L	-
Magnesium		25000.00	mg/kg	-		14700.00	ug/L	-	B	2380.00	ug/L	-		14900.00	ug/L	-
Manganese	E	123.00	mg/kg	J		1140.00	ug/L	-		97.40	ug/L	-		219.00	ug/L	-
Mercury		0.54	mg/kg	-		0.24	ug/L	-	U	0.10	ug/L	U	U	0.20	ug/L	U
Molybdenum																
Nickel		11.50	mg/kg	-		432.00	ug/L	-	U	12.10	ug/L	U	B	31.00	ug/L	U
Potassium	B	1270.00	mg/kg	-		22500.00	ug/L	-	B	4070.00	ug/L	-		5910.00	ug/L	U
Selenium	UWN	0.78	mg/kg	UJ	UW	0.70	ug/L	UJ	B	1.10	ug/L	U	U	3.00	ug/L	U
Silicon																
Silver		2.80	mg/kg	-	U	3.40	ug/L	U	U	3.40	ug/L	U	U	4.00	ug/L	U
Sodium		2680.00	mg/kg	J		441000.00	ug/L	-		13800.00	ug/L	-		27200.00	ug/L	-
Thallium	U	1.00	mg/kg	U	UW	1.10	ug/L	UJ	U	1.10	ug/L	U	U	4.00	ug/L	U
Vanadium	B	6.30	mg/kg	-	B	20.00	ug/L	U	B	6.70	ug/L	U	U	4.00	ug/L	U
Zinc		2190.00	mg/kg	-	E	2060.00	ug/L	J	E	4370.00	ug/L	J	*	402.00	ug/L	J

Appendix L.3 - Additional Data
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	6				7				7			
Sample:	37-023				37-031				37-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		6310.00	ug/L	-		816.00	ug/L	-	B	28.20	ug/L	U
Antimony	UN	24.70	ug/L	UJ	B	25.40	ug/L	-	U	22.20	ug/L	U
Arsenic	B	4.80	ug/L	-	U	2.40	ug/L	U	U	2.40	ug/L	U
Barium	BE	40.50	ug/L	J	B	5.10	ug/L	-	B	23.70	ug/L	-
Beryllium		17.90	ug/L	-	U	0.40	ug/L	U	U	0.40	ug/L	U
Cadmium	UN	1.40	ug/L	UJ		6.20	ug/L	U	U	1.30	ug/L	U
Calcium		25000.00	ug/L	-		34900.00	ug/L	-		29600.00	ug/L	-
Chromium	UN	3.60	ug/L	UJ	B	3.70	ug/L	U	B	4.00	ug/L	U
Cobalt	B	50.90	ug/L	-	B	6.20	ug/L	-	U	5.30	ug/L	U
Copper		1020.00	ug/L	-		42.90	ug/L	-	U	2.60	ug/L	U
Iron		1980.00	ug/L	-		716.00	ug/L	-		192.00	ug/L	-
Lead		390.00	ug/L	-	B	1.80	ug/L	U	B	2.30	ug/L	U
Magnesium	U	75.70	ug/L	U		8750.00	ug/L	-	B	1540.00	ug/L	-
Manganese		78.20	ug/L	-		373.00	ug/L	-	B	6.80	ug/L	-
Mercury		0.27	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Molybdenum												
Nickel	U	16.70	ug/L	U		197.00	ug/L	-	U	15.00	ug/L	U
Potassium		716000.00	ug/L	-		5720.00	ug/L	-	B	3080.00	ug/L	-
Selenium	UN	5.60	ug/L	UJ	U	2.00	ug/L	U	U	2.00	ug/L	U
Silicon												
Silver	E	255.00	ug/L	J	U	3.20	ug/L	U	U	3.20	ug/L	U
Sodium		258000.00	ug/L	-		6420.00	ug/L	-	B	1030.00	ug/L	-
Thallium	UW	0.44	ug/L	UJ	U	3.60	ug/L	U	U	3.60	ug/L	U
Vanadium	UN	3.30	ug/L	UJ	B	3.70	ug/L	U	B	6.70	ug/L	U
Zinc		125.00	ug/L	-		553.00	ug/L	-		66.10	ug/L	-

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Appendix L.3 - Additional Data
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39A-011				39A-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		262.00	ug/L	-		4080.00	mg/kg	-
Antimony	UW	5.00	ug/L	UJ	UN	1.00	mg/kg	UJ
Arsenic	UW	2.00	ug/L	U	•	12.30	mg/kg	-
Barium		323.00	ug/L	-		57.70	mg/kg	-
Beryllium	U	4.00	ug/L	U	U*	0.81	mg/kg	U
Cadmium	U	5.00	ug/L	U	U	1.00	mg/kg	U
Calcium		9150.00	ug/L	-	•	195000.00	mg/kg	J
Chromium	U	6.00	ug/L	U		7.30	mg/kg	-
Cobalt	U	7.00	ug/L	U	B	2.40	mg/kg	U
Copper		31.40	ug/L	U	•	20.80	mg/kg	J
Iron		321.00	ug/L	U		7610.00	mg/kg	-
Lead	W	12.70	ug/L	J	S*	47.30	mg/kg	J
Magnesium	B	1810.00	ug/L	-	•	54800.00	mg/kg	J
Manganese		24.30	ug/L	-		284.00	mg/kg	-
Mercury		0.22	ug/L	U		0.23	mg/kg	U
Molybdenum								
Nickel	B	13.00	ug/L	-	B*	6.30	mg/kg	-
Potassium	B	750.00	ug/L	-	B	396.00	mg/kg	-
Selenium	BW	2.80	ug/L	J	UNW	1.00	mg/kg	UJ
Silicon								
Silver	UW	1.00	ug/L	-	UN	0.20	mg/kg	R
Sodium	B	4870.00	ug/L	U	B	206.00	mg/kg	U
Thallium	U	1.00	ug/L	U	UNW	0.20	mg/kg	U
Vanadium	U	12.00	ug/L	U		23.40	mg/kg	U
Zinc		113.00	ug/L	-	*	28.50	mg/kg	J

Appendix L.3 - Additional Data
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39B-006				39B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		958.00	ug/L	-	•	5690.00	mg/kg	-
Antimony	UN	48.00	ug/L	UJ	BWN	2.80	mg/kg	J
Arsenic	SN	19.10	ug/L	J	UN	1.10	mg/kg	UJ
Barium		213.00	ug/L	-	•	591.00	mg/kg	J
Beryllium	U	0.34	ug/L	U		1.30	mg/kg	U
Cadmium		21.20	ug/L	-		19.30	mg/kg	-
Calcium		38800.00	ug/L	-		51000.00	mg/kg	-
Chromium	EN	672.00	ug/L	J	N*	29.60	mg/kg	J
Cobalt		97.50	ug/L	-	B	7.90	mg/kg	-
Copper		132.00	ug/L	-	N*	57.20	mg/kg	J
Iron		18800.00	ug/L	-	•	16000.00	mg/kg	J
Lead		73.50	ug/L	-		436.00	mg/kg	-
Magnesium		30200.00	ug/L	-		11000.00	mg/kg	-
Manganese		307.00	ug/L	-	N	403.00	mg/kg	J
Mercury	U	13.80	ug/L	U	B	0.09	mg/kg	U
Molybdenum								
Nickel		290.00	ug/L	-	•	14.20	mg/kg	-
Potassium	E	613000.00	ug/L	J		2890.00	mg/kg	-
Selenium	UEN	6.00	ug/L	UJ	UNW	0.43	mg/kg	UJ
Silicon								
Silver	U	4.00	ug/L	U	U	0.43	mg/kg	U
Sodium		3490000.00	ug/L	-		1480.00	mg/kg	-
Thallium	UWN	1.50	ug/L	UJ	UN	0.22	mg/kg	UJ
Vanadium		301.00	ug/L	-	B	9.60	mg/kg	-
Zinc		694.00	ug/L	-		1080.00	mg/kg	-

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Appendix L.3 - Additional Data
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Metals

Material:	HVAC FILTER
Depth:	
Process Area:	1
Sample:	45A-006

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	E	261.00	mg/kg	J
Antimony	U	9.30	mg/kg	U
Arsenic	B	0.81	mg/kg	-
Barium	B	10.00	mg/kg	U
Beryllium	U	0.20	mg/kg	U
Cadmium	N	1.20	mg/kg	J
Calcium	E	3380.00	mg/kg	J
Chromium		197.00	mg/kg	-
Cobalt	U	1.40	mg/kg	U
Copper		10.30	mg/kg	U
Iron	E	1380.00	mg/kg	J
Lead	S*	4.30	mg/kg	-
Magnesium	BE	467.00	mg/kg	J
Manganese	E	25.50	mg/kg	J
Mercury	B	0.05	mg/kg	U
Molybdenum				
Nickel		128.00	mg/kg	-
Potassium	B	273.00	mg/kg	-
Selenium	BN	0.72	mg/kg	J
Silicon				
Silver	U	1.40	mg/kg	U
Sodium		4700.00	mg/kg	-
Thallium	UN	0.41	mg/kg	UJ
Vanadium	U	0.61	mg/kg	U
Zinc		125.00	mg/kg	-

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 45B - Utility Shed East of Rust Trailers
Analytical Results - Metals

Material:	WOOD
Depth:	
Process Area:	1
Sample:	45B-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		115.00	mg/kg	-
Antimony	U	10.40	mg/kg	UJ
Arsenic	U	0.67	mg/kg	U
Barium	B	9.30	mg/kg	-
Beryllium	U	0.23	mg/kg	U
Cadmium	U	0.68	mg/kg	U
Calcium		3020.00	mg/kg	-
Chromium	B	2.20	mg/kg	U
Cobalt	U	1.80	mg/kg	U
Copper		9.00	mg/kg	-
Iron		874.00	mg/kg	-
Lead		32.00	mg/kg	-
Magnesium	B	566.00	mg/kg	-
Manganese		40.80	mg/kg	-
Mercury	U	0.11	mg/kg	U
Molybdenum				
Nickel	B	2.80	mg/kg	U
Potassium		1470.00	mg/kg	-
Selenium	U	0.67	mg/kg	U
Silicon				
Silver	U	0.90	mg/kg	U
Sodium		3830.00	mg/kg	J
Thallium	U	0.90	mg/kg	U
Vanadium	U	0.90	mg/kg	U
Zinc		31.70	mg/kg	-

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Metals

Material:	SEDIMENT				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	46-006				46-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		10000.00	mg/kg	-	B	39.70	ug/L	U
Antimony	UN	10.30	mg/kg	UJ	U	19.50	ug/L	U
Arsenic		11.00	mg/kg	-	B	2.20	ug/L	U
Barium		170.00	mg/kg	-	B	8.10	ug/L	-
Beryllium	B	1.00	mg/kg	U	U	0.30	ug/L	U
Cadmium		2.30	mg/kg	U	U	1.80	ug/L	U
Calcium		69600.00	mg/kg	-		22700.00	ug/L	-
Chromium		84.90	mg/kg	-	U	2.80	ug/L	U
Cobalt	B	12.90	mg/kg	-	U	2.90	ug/L	U
Copper		453.00	mg/kg	-	B	4.90	ug/L	-
Iron		32800.00	mg/kg	-		1420.00	ug/L	-
Lead	N*	626.00	mg/kg	J		7.00	ug/L	NV
Magnesium		15100.00	mg/kg	-	B	4570.00	ug/L	-
Manganese		1060.00	mg/kg	-		78.40	ug/L	-
Mercury		0.80	mg/kg	-	U	0.10	ug/L	U
Molybdenum								
Nickel		74.10	mg/kg	-	U	4.90	ug/L	U
Potassium		1950.00	mg/kg	-		6960.00	ug/L	-
Selenium		2.90	mg/kg	-	B	2.40	ug/L	U
Silicon								
Silver	U	1.00	mg/kg	U	U	4.20	ug/L	U
Sodium	B	334.00	mg/kg	-		13500.00	ug/L	-
Thallium	U	0.91	mg/kg	U	U	2.70	ug/L	U
Vanadium		31.30	mg/kg	-	U	9.80	ug/L	U
Zinc	E	1440.00	mg/kg	J		234.00	ug/L	-

000815

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator Shelter
Analytical Results - Metals

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	54C-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	•	5780.00	mg/kg	-
Antimony	B	3.90	mg/kg	-
Arsenic	NS*	25.70	mg/kg	J
Barium	N	259.00	mg/kg	J
Beryllium	U	1.10	mg/kg	U
Cadmium		11.80	mg/kg	-
Calcium		72800.00	mg/kg	-
Chromium	•	113.00	mg/kg	J
Cobalt	B	10.30	mg/kg	-
Copper	N*	242.00	mg/kg	J
Iron		151000.00	mg/kg	-
Lead	N*	734.00	mg/kg	J
Magnesium	•	32500.00	mg/kg	-
Manganese		1470.00	mg/kg	-
Mercury	B	0.09	mg/kg	U
Molybdenum				
Nickel	*N	380.00	mg/kg	J
Potassium	B	973.00	mg/kg	-
Selenium	UNW	0.86	mg/kg	U
Silicon				
Silver	UW	0.57	mg/kg	U
Sodium	B	356.00	mg/kg	-
Thallium	UW	0.29	mg/kg	U
Vanadium		21.50	mg/kg	U
Zinc		793.00	mg/kg	-

000816

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Appendix L.3 - Additional Data
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Metals

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	55B-005				55B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	E	421.00	mg/kg	J		215.00	ug/L	-
Antimony	N*	3.30	mg/kg	J	U	51.00	ug/L	U
Arsenic	B	2.40	mg/kg	-	U	0.83	ug/L	U
Barium		17.90	mg/kg	-	B	35.00	ug/L	-
Beryllium	U	0.02	mg/kg	U	U	0.40	ug/L	U
Cadmium	NE	9.10	mg/kg	J	B	2.60	ug/L	U
Calcium	E	1300.00	mg/kg	J		34700.00	ug/L	-
Chromium	N	11.90	mg/kg	-	B	9.80	ug/L	-
Cobalt	B	0.74	mg/kg	-	U	5.00	ug/L	U
Copper	N*E	22.70	mg/kg	J	B	6.50	ug/L	-
Iron	•	17100.00	mg/kg	J	E	1410.00	ug/L	J
Lead	E	137.00	mg/kg	J		61.30	ug/L	-
Magnesium		17200.00	mg/kg	-		8140.00	ug/L	-
Manganese	N*E	78.80	mg/kg	J		26.30	ug/L	-
Mercury	UN	0.02	mg/kg	R	U	0.06	ug/L	U
Molybdenum								
Nickel	*E	6.90	mg/kg	J	B	9.20	ug/L	U
Potassium	B	145.00	mg/kg	-	B	2390.00	ug/L	-
Selenium	UN	1.20	mg/kg	UJ	UW	1.20	ug/L	U
Silicon								
Silver	UN	0.20	mg/kg	UJ	U	4.00	ug/L	U
Sodium		1100.00	mg/kg	-		126000.00	ug/L	-
Thallium	UN	0.31	mg/kg	U	UWN	1.50	ug/L	R
Vanadium	UN	0.25	mg/kg	UJ	B	8.00	ug/L	U
Zinc	E	117.00	mg/kg	J		98.80	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Metals

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	2				3			
Sample:	66-010				66-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		621.00	mg/kg	-	N*	1420.00	ug/L	J
Antimony		26.60	mg/kg	-		62.20	ug/L	-
Arsenic	N	40.00	mg/kg	-	N	20.60	ug/L	J
Barium		161.00	mg/kg	-		2060.00	ug/L	-
Beryllium	U	0.27	mg/kg	U	B	3.30	ug/L	-
Cadmium		3.50	mg/kg	-	•	9.00	ug/L	J
Calcium	BE	1320.00	mg/kg	J		1590000.00	ug/L	-
Chromium	•	359.00	mg/kg	-	UN	4.00	ug/L	UJ
Cobalt		22.00	mg/kg	-	B	45.40	ug/L	-
Copper	•	347.00	mg/kg	-	N*	354.00	ug/L	J
Iron	*	263000.00	mg/kg	-	•	47500.00	ug/L	J
Lead	•	44.20	mg/kg	J		200.00	ug/L	J
Magnesium	B	609.00	mg/kg	-		61800.00	ug/L	-
Manganese	*	1450.00	mg/kg	J	N	534.00	ug/L	-
Mercury	UN	0.13	mg/kg	U	UN	0.20	ug/L	UJ
Molybdenum								
Nickel	EN*	333.00	mg/kg	J		89.20	ug/L	-
Potassium	B	130.00	mg/kg	U		441000.00	ug/L	-
Selenium	U	0.82	mg/kg	U	UWN	15.00	ug/L	UJ
Silicon								
Silver	UN	1.10	mg/kg	UJ		32.70	ug/L	-
Sodium	B	729.00	mg/kg	J		1520000.00	ug/L	-
Thallium	U	1.10	mg/kg	U	U	20.00	ug/L	U
Vanadium	N*	51.20	mg/kg	J	UN	4.00	ug/L	UJ
Zinc	E	8740.00	mg/kg	J		28300.00	ug/L	-

000818

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Appendix L.3 - Additional Data
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SLUDGE			
Depth:								
Process Area:	1				1			
Sample:	69-009				69-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		3720.00	ug/L	-		2510.00	mg/kg	-
Antimony	U	46.00	ug/L	U	B	2.90	mg/kg	-
Arsenic	BN	3.70	ug/L	J		11.10	mg/kg	-
Barium		443.00	ug/L	-	*	248.00	mg/kg	-
Beryllium	B	1.20	ug/L	-	B	0.64	mg/kg	-
Cadmium		15.40	ug/L	-	*	6.80	mg/kg	-
Calcium		19200.00	ug/L	-	*	114000.00	mg/kg	-
Chromium		492.00	ug/L	-	EN*	125.00	mg/kg	J
Cobalt	B	22.20	ug/L	U	B	13.90	mg/kg	-
Copper		1640.00	ug/L	-	N*	204.00	mg/kg	J
Iron		75500.00	ug/L	-	E	135000.00	mg/kg	J
Lead		1250.00	ug/L	R	S*	1290.00	mg/kg	J
Magnesium		9000.00	ug/L	-		25800.00	mg/kg	-
Manganese		638.00	ug/L	-	EN	566.00	mg/kg	J
Mercury		3.00	ug/L	-	UN	0.12	mg/kg	U
Molybdenum								
Nickel		2490.00	ug/L	-	E	855.00	mg/kg	J
Potassium	B	1570.00	ug/L	-	B	286.00	mg/kg	-
Selenium	UW	3.00	ug/L	UJ	UN	0.85	mg/kg	UJ
Silicon								
Silver	B	8.80	ug/L	-	N*	11.70	mg/kg	J
Sodium		64300.00	ug/L	-		2260.00	mg/kg	J
Thallium	U	4.00	ug/L	U	U	1.10	mg/kg	U
Vanadium	U	4.00	ug/L	U	U	1.10	mg/kg	U
Zinc		12800.00	ug/L	-	E	1170.00	mg/kg	J

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74A-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	134.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	UW	0.83	ug/L	U
Barium		394.00	ug/L	-
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium		92100.00	ug/L	-
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper		30.60	ug/L	-
Iron		235.00	ug/L	-
Lead	W*	6.30	ug/L	UJ
Magnesium		6740.00	ug/L	-
Manganese		22.70	ug/L	-
Mercury	UN	0.07	ug/L	U
Molybdenum				
Nickel	U	7.00	ug/L	U
Potassium		7280.00	ug/L	-
Selenium	U	1.00	ug/L	U
Silicon				
Silver	U	4.00	ug/L	U
Sodium		55200.00	ug/L	-
Thallium	UN	1.50	ug/L	U
Vanadium	B	5.30	ug/L	-
Zinc		265.00	ug/L	-

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Metals

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	74C-003				74C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	•	4560.00	mg/kg	-	B	98.00	ug/L	U
Antimony	UN	2.60	mg/kg	U	U	48.00	ug/L	U
Arsenic		7.60	mg/kg	-	UW	0.83	ug/L	U
Barium	E	850.00	mg/kg	-	B	36.10	ug/L	-
Beryllium	U	0.02	mg/kg	U	U	0.34	ug/L	U
Cadmium	N	7.90	mg/kg	-	U	2.00	ug/L	U
Calcium	E*	110000.00	mg/kg	-		16800.00	ug/L	-
Chromium	E	35.70	mg/kg	-	U	8.00	ug/L	U
Cobalt		3.30	mg/kg	-	U	5.00	ug/L	U
Copper	E	140.00	mg/kg	-	B	6.40	ug/L	-
Iron	E*	37000.00	mg/kg	-		247.00	ug/L	U
Lead	•	210.00	mg/kg	-	N	8.80	ug/L	UJ
Magnesium	E	34000.00	mg/kg	-	B	2220.00	ug/L	-
Manganese	E	283.00	mg/kg	-		20.60	ug/L	-
Mercury		0.14	mg/kg	U	U	0.07	ug/L	U
Molybdenum								
Nickel		14.70	mg/kg	-	U	7.00	ug/L	U
Potassium		744.00	mg/kg	-	B	2610.00	ug/L	-
Selenium	UWN	0.19	mg/kg	UJ	U	1.20	ug/L	U
Silicon								
Silver	U	0.21	mg/kg	U	U	4.00	ug/L	U
Sodium	E	309.00	mg/kg	-		12900.00	ug/L	-
Thallium	BW	0.28	mg/kg	UJ	U	1.50	ug/L	U
Vanadium		10.70	mg/kg	-	U	5.00	ug/L	U
Zinc	EN*	272.00	mg/kg	-	N	287.00	ug/L	J

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74D-003				74D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	158.00	ug/L	-	E*	2540.00	mg/kg	J
Antimony	U	48.00	ug/L	U	UN	2.30	mg/kg	UJ
Arsenic	UW	0.83	ug/L	U		5.50	mg/kg	-
Barium	B	15.50	ug/L	-	EN*	64.10	mg/kg	J
Beryllium	U	0.34	ug/L	U	U	0.02	mg/kg	U
Cadmium	U	2.00	ug/L	U	E	0.99	mg/kg	-
Calcium		20400.00	ug/L	-		173000.00	mg/kg	-
Chromium	U	8.00	ug/L	U	EN*	10.30	mg/kg	J
Cobalt	U	5.00	ug/L	U	EN	2.50	mg/kg	J
Copper	B	4.70	ug/L	-	E*	176.00	mg/kg	J
Iron		227.00	ug/L	-		14600.00	mg/kg	J
Lead	*	4.70	ug/L	J		43.40	mg/kg	J
Magnesium	B	1430.00	ug/L	-	E*	52400.00	mg/kg	J
Manganese	B	12.00	ug/L	-	E	261.00	mg/kg	J
Mercury	UN	0.07	ug/L	U	N	0.69	mg/kg	J
Molybdenum								
Nickel	B	9.80	ug/L	U	EN*	13.60	mg/kg	J
Potassium	B	2010.00	ug/L	-	*	546.00	mg/kg	J
Selenium	UW	1.00	ug/L	U	BWN	0.29	mg/kg	J
Silicon								
Silver	U	4.00	ug/L	U	UN	0.19	mg/kg	U
Sodium		6560.00	ug/L	-		304.00	mg/kg	-
Thallium	UN	1.50	ug/L	U	UWN	0.36	mg/kg	UJ
Vanadium	U	5.00	ug/L	U	*E	6.10	mg/kg	-
Zinc		40.20	ug/L	U	E	155.00	mg/kg	J

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	74G-005				74G-006 DUP				74G-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum		429.00	ug/L	-		418.00	ug/L	-		11300.00	mg/kg	-
Antimony	U	46.00	ug/L	U	U	46.00	ug/L	U	UN	12.50	mg/kg	UJ
Arsenic	U	3.00	ug/L	U	UW	3.00	ug/L	U	*	8.30	mg/kg	-
Barium	B	40.00	ug/L	-	B	41.20	ug/L	-	*	142.00	mg/kg	-
Beryllium	B	1.40	ug/L	-	B	1.30	ug/L	-		2.20	mg/kg	-
Cadmium		5.20	ug/L	-	B	4.70	ug/L	-	*	1.70	mg/kg	-
Calcium		14600.00	ug/L	-		14200.00	ug/L	-	*	82100.00	mg/kg	-
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U	*	6.50	mg/kg	U
Cobalt	U	8.00	ug/L	U	U	8.00	ug/L	U		20.60	mg/kg	-
Copper		40.20	ug/L	-		36.40	ug/L	-	N*	102.00	mg/kg	-
Iron	*	1110.00	ug/L	J	*	857.00	ug/L	J	*	34600.00	mg/kg	-
Lead		14.20	ug/L	-		16.00	ug/L	-		245.00	mg/kg	-
Magnesium		5660.00	ug/L	-		5500.00	ug/L	-		13100.00	mg/kg	-
Manganese		45.60	ug/L	-		48.50	ug/L	-	N*	284.00	mg/kg	J
Mercury	U	0.20	ug/L	U	U	0.20	ug/L	U	*	0.46	mg/kg	-
Molybdenum												
Nickel	B	13.00	ug/L	U	B	13.80	ug/L	U		44.20	mg/kg	-
Potassium	B	3270.00	ug/L	-	B	3260.00	ug/L	-	B	665.00	mg/kg	U
Selenium	UW	3.00	ug/L	U	UW	3.00	ug/L	U	U	0.27	mg/kg	U
Silicon												
Silver		13.20	ug/L	-		15.30	ug/L	-		20.60	mg/kg	-
Sodium		18100.00	ug/L	-		17800.00	ug/L	-	B	798.00	mg/kg	J
Thallium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	1.10	mg/kg	U
Vanadium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	1.10	mg/kg	U
Zinc		179.00	ug/L	-		182.00	ug/L	-	*	1360.00	mg/kg	-

000323

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Metals

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74N-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	*	1870.00	mg/kg	-
Antimony	U	64.20	mg/kg	U
Arsenic	N	18.00	mg/kg	J
Barium		384.00	mg/kg	-
Beryllium	U	1.40	mg/kg	U
Cadmium	UN*	7.00	mg/kg	U
Calcium		28700.00	mg/kg	-
Chromium		389.00	mg/kg	-
Cobalt		39.50	mg/kg	-
Copper		1080.00	mg/kg	-
Iron		354000.00	mg/kg	-
Lead	S*	270.00	mg/kg	-
Magnesium		7670.00	mg/kg	-
Manganese	N*	2170.00	mg/kg	-
Mercury	UN	0.07	mg/kg	U
Molybdenum				
Nickel		397.00	mg/kg	-
Potassium	U	1260.00	mg/kg	U
Selenium	UNW	0.56	mg/kg	R
Silicon				
Silver	UN	9.80	mg/kg	U
Sodium	B	77.60	mg/kg	U
Thallium	UN	0.56	mg/kg	U
Vanadium	B	31.70	mg/kg	-
Zinc	*N	944.00	mg/kg	-

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74Q-005				74Q-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		23500.00	ug/L	-	*	2990.00	mg/kg	-
Antimony	U	15.00	ug/L	U	UN	1.20	mg/kg	UJ
Arsenic	BW	4.80	ug/L	J	N	4.10	mg/kg	J
Barium	B	3.20	ug/L	-	B*	36.20	mg/kg	J
Beryllium		8.20	ug/L	R	B	0.69	mg/kg	U
Cadmium	B	3.20	ug/L	-	B	0.55	mg/kg	-
Calcium		129000.00	ug/L	-		130000.00	mg/kg	-
Chromium		156.00	ug/L	-	N*	7.30	mg/kg	J
Cobalt	B	25.70	ug/L	-	B	5.70	mg/kg	-
Copper	N	534.00	ug/L	J	N*	17.40	mg/kg	J
Iron		221000.00	ug/L	-	*	9700.00	mg/kg	J
Lead	NS*	28.40	ug/L	J	S*	23.80	mg/kg	J
Magnesium		41200.00	ug/L	-		33700.00	mg/kg	-
Manganese	N	1720.00	ug/L	J	N	400.00	mg/kg	J
Mercury	N	1.30	ug/L	UJ	U	0.06	mg/kg	U
Molybdenum								
Nickel		173.00	ug/L	-	*	10.10	mg/kg	-
Potassium		8520.00	ug/L	-	B	431.00	mg/kg	-
Selenium	UN	10.00	ug/L	R	UNW	0.50	mg/kg	UJ
Silicon								
Silver	UW	2.00	ug/L	U	B	0.74	mg/kg	U
Sodium		6610.00	ug/L	-	B	159.00	mg/kg	-
Thallium	UNW	1.00	ug/L	U	UWN	0.25	mg/kg	UJ
Vanadium	B	47.70	ug/L	-	B	6.90	mg/kg	-
Zinc		343.00	ug/L	-		74.40	mg/kg	-

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74R-007				74R-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		10400.00	ug/L	-		5730.00	mg/kg	J
Antimony	U	36.00	ug/L	U	U	7.70	mg/kg	U
Arsenic	BWN	8.20	ug/L	J	BN*	17.30	mg/kg	J
Barium	U	23.00	ug/L	U		207.00	mg/kg	-
Beryllium	U	1.00	ug/L	U	B	0.34	mg/kg	-
Cadmium	U	3.00	ug/L	U		1.60	mg/kg	-
Calcium		163000.00	ug/L	-		131000.00	mg/kg	-
Chromium		148.00	ug/L	-	EN*	45.20	mg/kg	J
Cobalt	B	10.80	ug/L	-	B	6.20	mg/kg	-
Copper		623.00	ug/L	-	N*	87.20	mg/kg	J
Iron		182000.00	ug/L	-		52900.00	mg/kg	J
Lead	SN	54.40	ug/L	J	N*	77.70	mg/kg	J
Magnesium		40000.00	ug/L	-	*	45400.00	mg/kg	J
Manganese		1310.00	ug/L	-		620.00	mg/kg	-
Mercury	U	0.20	ug/L	U		0.19	mg/kg	-
Molybdenum								
Nickel		75.60	ug/L	-	N	77.20	mg/kg	J
Potassium		6300.00	ug/L	-		1180.00	mg/kg	-
Selenium	UW	10.00	ug/L	UJ	UW	0.43	mg/kg	UJ
Silicon								
Silver	U	4.00	ug/L	U	U	0.86	mg/kg	U
Sodium	B	4830.00	ug/L	-	B	551.00	mg/kg	J
Thallium	U	3.00	ug/L	U	U	0.64	mg/kg	U
Vanadium		66.80	ug/L	-		23.30	mg/kg	-
Zinc		442.00	ug/L	-	N*	399.00	mg/kg	J

0003825

3212

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Metals

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				LOOSE MEDIA				LOOSE MEDIA			
Depth:																				
Process Area:	1				1				1				1				1			
Sample:	74T-005				74T-012				74T-013				74T-017				74T-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	B	119.00	ug/L	-		2030.00	mg/kg	-	B	186.00	ug/L	J	*	2630.00	mg/kg	-	*	4900.00	mg/kg	-
Antimony	U	24.80	ug/L	U	B	8.10	mg/kg	-	U	24.80	ug/L	UJ	U	1.50	mg/kg	U	B	5.10	mg/kg	-
Arsenic	B	1.40	ug/L	-	N	3.20	mg/kg	UJ	B	1.90	ug/L	J	NS*	5.50	mg/kg	J	NS*	20.70	mg/kg	J
Barium	B	48.80	ug/L	-		140.00	mg/kg	-	B	39.60	ug/L	J	BN	21.40	mg/kg	J	N	217.00	mg/kg	J
Beryllium	B	0.61	ug/L	U	B	0.37	mg/kg	U	B	0.61	ug/L	UJ	U	0.87	mg/kg	U	U	1.20	mg/kg	U
Cadmium	U	1.60	ug/L	U		7.60	mg/kg	-	U	1.60	ug/L	UJ	B	0.43	mg/kg	-		23.40	mg/kg	-
Calcium		101000.00	ug/L	-		111000.00	mg/kg	-		67200.00	ug/L	J		91300.00	mg/kg	-		74600.00	mg/kg	-
Chromium	U	4.20	ug/L	U	N*	50.00	mg/kg	-	U	4.20	ug/L	UJ	*	5.20	mg/kg	J	*	67.60	mg/kg	J
Cobalt	U	4.20	ug/L	U	B	12.40	mg/kg	-	U	4.20	ug/L	UJ	B	2.80	mg/kg	-		18.20	mg/kg	-
Copper	U	4.90	ug/L	U	N*	88.70	mg/kg	J	U	4.90	ug/L	UJ	N*	10.40	mg/kg	UJ	N*	118.00	mg/kg	J
Iron		380.00	ug/L	-		60200.00	mg/kg	-		576.00	ug/L	J		7480.00	mg/kg	-		93100.00	mg/kg	-
Lead	B	1.40	ug/L	U	N	383.00	mg/kg	J	B	2.70	ug/L	UJ	*	5.00	mg/kg	J	N*	359.00	mg/kg	J
Magnesium		21800.00	ug/L	-		19400.00	mg/kg	-		12500.00	ug/L	J	*	23100.00	mg/kg	-	*	19200.00	mg/kg	-
Manganese	B	14.50	ug/L	-	N	408.00	mg/kg	-		22.00	ug/L	J		281.00	mg/kg	-		641.00	mg/kg	-
Mercury	U	0.10	ug/L	U	U	0.07	mg/kg	U	U	0.10	ug/L	UJ	U	0.05	mg/kg	U	U	0.07	mg/kg	U
Molybdenum																				
Nickel	U	18.60	ug/L	U		34.50	mg/kg	-	U	18.60	ug/L	UJ	N*	9.30	mg/kg	J	N*	54.90	mg/kg	J
Potassium	B	4560.00	ug/L	-	B	451.00	mg/kg	-		8050.00	ug/L	J	B	398.00	mg/kg	-	B	668.00	mg/kg	-
Selenium	BW	1.40	ug/L	J	UWN	0.23	mg/kg	R	U	0.90	ug/L	UJ	UN	0.65	mg/kg	U	UNW	0.87	mg/kg	U
Silicon																				
Silver	UN	3.70	ug/L	R	U	0.96	mg/kg	U	BN	5.40	ug/L	J	U	0.43	mg/kg	U	UW	0.58	mg/kg	U
Sodium		54000.00	ug/L	-	B	283.00	mg/kg	-		36900.00	ug/L	J	B	155.00	mg/kg	U	B	194.00	mg/kg	U
Thallium	U	1.50	ug/L	U	U	0.39	mg/kg	U	U	1.50	ug/L	UJ	UW	0.22	mg/kg	U	UW	0.29	mg/kg	U
Vanadium	U	12.20	ug/L	U	U	3.20	mg/kg	U	U	12.20	ug/L	UJ	B	7.10	mg/kg	U	B	11.80	mg/kg	U
Zinc		36.20	ug/L	-		2050.00	mg/kg	-		49.70	ug/L	J		38.70	mg/kg	-		11900.00	mg/kg	-

0003827

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74W-005

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		1090.00	ug/L	-
Antimony	U	48.00	ug/L	U
Arsenic	BW	2.60	ug/L	J
Barium	B	181.00	ug/L	-
Beryllium	U	0.34	ug/L	U
Cadmium	B	4.60	ug/L	U
Calcium		33000.00	ug/L	-
Chromium		41.50	ug/L	-
Cobalt	B	22.50	ug/L	U
Copper		99.60	ug/L	-
Iron		2370.00	ug/L	-
Lead	*	770.00	ug/L	UJ
Magnesium		15100.00	ug/L	-
Manganese		195.00	ug/L	-
Mercury	N	3.70	ug/L	-
Molybdenum				
Nickel		65.90	ug/L	-
Potassium	U	1190.00	ug/L	U
Selenium	U	1.00	ug/L	U
Silicon				
Silver	U	4.00	ug/L	U
Sodium	B	4790.00	ug/L	-
Thallium	UWN	1.50	ug/L	UJ
Vanadium	B	6.70	ug/L	-
Zinc		468.00	ug/L	-

000828

F
3212

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Metals

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	88-001

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	82.80	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	B	21.10	ug/L	-
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium		21800.00	ug/L	-
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	10.80	ug/L	U
Iron		860.00	ug/L	-
Lead		17.10	ug/L	-
Magnesium		34400.00	ug/L	-
Manganese		20.40	ug/L	-
Mercury	U	0.20	ug/L	U
Molybdenum				
Nickel	B	11.80	ug/L	-
Potassium		12700.00	ug/L	-
Selenium	U	3.00	ug/L	U
Silicon				
Silver	B	7.50	ug/L	-
Sodium		65300.00	ug/L	-
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B	11.00	ug/L	U

000029

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Metals

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	G3-001				G3-002 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum		1020.00	ug/L	J		1610.00	ug/L	J
Antimony	U	46.00	ug/L	U	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U	UW	3.00	ug/L	U
Barium	B	94.60	ug/L	-	B	125.00	ug/L	-
Beryllium	B	1.30	ug/L	-	B	1.60	ug/L	-
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium		123000.00	ug/L	-		127000.00	ug/L	-
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U
Cobalt	B	11.40	ug/L	U	B	11.40	ug/L	U
Copper		41.70	ug/L	-		46.20	ug/L	-
Iron		1690.00	ug/L	J		2550.00	ug/L	J
Lead		124.00	ug/L	J		174.00	ug/L	J
Magnesium		35400.00	ug/L	-		36700.00	ug/L	-
Manganese		189.00	ug/L	-		204.00	ug/L	-
Mercury		0.24	ug/L	-		0.21	ug/L	-
Molybdenum								
Nickel	B	14.60	ug/L	-	B	19.30	ug/L	-
Potassium	B	2580.00	ug/L	-	B	1550.00	ug/L	-
Selenium	UN	3.00	ug/L	UJ	UN	3.00	ug/L	UJ
Silicon								
Silver		15.90	ug/L	-		15.60	ug/L	-
Sodium		38500.00	ug/L	-		33200.00	ug/L	-
Thallium	U	4.00	ug/L	U	UW	4.00	ug/L	UJ
Vanadium	U	4.00	ug/L	U	U	4.00	ug/L	U
Zinc		104.00	ug/L	-		124.00	ug/L	-

000830

7173

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Metals

Material:	SOIL				SOIL				SOIL				SOIL				SOIL			
Depth:	0-9.96"				27.96-36"				0-24"				0-3"				0-3"			
Process Area:	1				4				2				5				5			
Sample:	G13-001-M				G13-004-M				G13-007-M				G13-010-M				G13-011-M DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		15700.00	mg/kg	-		10800.00	mg/kg	-		9340.00	mg/kg	-		10200.00	mg/kg	-		8240.00	mg/kg	-
Antimony		6.80	mg/kg	U	UN	5.10	mg/kg	R	U	6.90	mg/kg	UJ	UN	7.30	mg/kg	UJ	UN	7.20	mg/kg	UJ
Arsenic		6.30	mg/kg	J		8.00	mg/kg	-		6.60	mg/kg	-		6.30	mg/kg	-		6.90	mg/kg	-
Barium		191.00	mg/kg	-		91.30	mg/kg	-		75.40	mg/kg	-		90.20	mg/kg	-		76.30	mg/kg	-
Beryllium		2.40	mg/kg	-	B	0.63	mg/kg	-	B	0.80	mg/kg	U	B	0.86	mg/kg	U	B	0.76	mg/kg	U
Cadmium	U	0.29	mg/kg	U	B	0.30	mg/kg	-	U	0.49	mg/kg	U	B	0.74	mg/kg	U	U	0.67	mg/kg	U
Calcium		75100.00	mg/kg	-	*	74200.00	mg/kg	J		81800.00	mg/kg	-		50600.00	mg/kg	-		55800.00	mg/kg	-
Chromium		24.90	mg/kg	-		15.10	mg/kg	-		14.20	mg/kg	-		13.60	mg/kg	-		11.40	mg/kg	-
Cobalt	B	10.60	mg/kg	-	B	9.70	mg/kg	-	B	9.50	mg/kg	-	B	9.80	mg/kg	-	B	8.30	mg/kg	-
Copper		20.50	mg/kg	-		17.70	mg/kg	-		23.80	mg/kg	-		18.90	mg/kg	-		15.40	mg/kg	-
Iron		38400.00	mg/kg	J		20100.00	mg/kg	-		20500.00	mg/kg	-		21900.00	mg/kg	-		18500.00	mg/kg	-
Lead		143.00	mg/kg	J		14.20	mg/kg	-		16.40	mg/kg	J	N*	50.20	mg/kg	J	N*	40.60	mg/kg	J
Magnesium		24800.00	mg/kg	-	*	21300.00	mg/kg	J		25200.00	mg/kg	-		14700.00	mg/kg	J		22000.00	mg/kg	J
Manganese		389.00	mg/kg	-		621.00	mg/kg	-		579.00	mg/kg	-		583.00	mg/kg	-		512.00	mg/kg	-
Mercury	B	0.10	mg/kg	UJ	U	0.06	mg/kg	U	U	0.06	mg/kg	U	U	0.06	mg/kg	U	U	0.06	mg/kg	U
Molybdenum																				
Nickel		24.80	mg/kg	-		20.00	mg/kg	-		20.10	mg/kg	-		22.20	mg/kg	-		17.60	mg/kg	-
Potassium		1740.00	mg/kg	-	B	1090.00	mg/kg	-		1160.00	mg/kg	-	B	845.00	mg/kg	-	U	753.00	mg/kg	U
Selenium	UW	0.25	mg/kg	UJ	BNW	0.24	mg/kg	UJ	B	0.99	mg/kg	-	UWN	0.43	mg/kg	UJ	UWN	0.43	mg/kg	UJ
Silicon																				
Silver	U	0.61	mg/kg	U	U	0.74	mg/kg	U	U	0.67	mg/kg	U	U	0.88	mg/kg	U	U	0.88	mg/kg	U
Sodium	B	282.00	mg/kg	-	B	105.00	mg/kg	-	B	184.00	mg/kg	-	B	336.00	mg/kg	-	B	335.00	mg/kg	-
Thallium	U	0.11	mg/kg	U	B	0.26	mg/kg	U	U	0.61	mg/kg	U	U	0.36	mg/kg	U	U	0.36	mg/kg	U
Vanadium		35.40	mg/kg	-		19.80	mg/kg	-		25.10	mg/kg	-		20.20	mg/kg	-		18.10	mg/kg	-
Zinc		287.00	mg/kg	-	N	58.00	mg/kg	J		60.20	mg/kg	J	E	58.60	mg/kg	J	E	48.20	mg/kg	J

ES8000

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Metals

Material:	SOIL	SOIL	SOIL	SOIL	SOIL
Depth:	27.96-36"	0-39"	60-72"	0-18"	0-20.04"
Process Area:	6	8	8	10	10
Sample:	G13-015-M	G13-019S-M	G13-019-M	G13-022-M	G13-023-M

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum		6580.00	mg/kg	NV		8900.00	mg/kg	-		8210.00	mg/kg	-	•	13000.00	mg/kg	J	•	15100.00	mg/kg	J
Antimony	U	6.80	mg/kg	NV	U	10.50	mg/kg	U	U	6.90	mg/kg	UJ	U	10.00	mg/kg	UJ	U	10.40	mg/kg	UJ
Arsenic	N	6.00	mg/kg	NV	SN	10.20	mg/kg	-		5.90	mg/kg	-	•	7.60	mg/kg	-	S*	9.60	mg/kg	-
Barium		54.50	mg/kg	NV		69.30	mg/kg	-		84.10	mg/kg	-		103.00	mg/kg	-		125.00	mg/kg	-
Beryllium		1.30	mg/kg	NV	B	0.39	mg/kg	-	B	1.00	mg/kg	U	B	0.66	mg/kg	-	B	0.80	mg/kg	-
Cadmium	U	0.29	mg/kg	NV	U	0.68	mg/kg	U	U	0.50	mg/kg	U	U	0.65	mg/kg	U	U	0.68	mg/kg	U
Calcium		102000.00	mg/kg	NV	E	108000.00	mg/kg	-		113000.00	mg/kg	-	*	56100.00	mg/kg	-	•	19700.00	mg/kg	-
Chromium		10.50	mg/kg	NV	*	11.90	mg/kg	-		8.80	mg/kg	-	*	16.20	mg/kg	-	•	19.30	mg/kg	-
Cobalt	B	6.50	mg/kg	NV	B	6.70	mg/kg	-	B	6.20	mg/kg	-	B	8.50	mg/kg	-	B	10.60	mg/kg	-
Copper		11.70	mg/kg	NV	•	15.40	mg/kg	-		21.20	mg/kg	-		20.10	mg/kg	-		25.60	mg/kg	-
Iron	•	11300.00	mg/kg	NV	•	16400.00	mg/kg	-		14700.00	mg/kg	-	E*	24800.00	mg/kg	J	E*	29000.00	mg/kg	J
Lead		33.50	mg/kg	NV	•	17.80	mg/kg	-		59.10	mg/kg	J	N*	11.20	mg/kg	J	N*	19.30	mg/kg	J
Magnesium		21200.00	mg/kg	NV		20600.00	mg/kg	-		30500.00	mg/kg	-		14000.00	mg/kg	-		8220.00	mg/kg	-
Manganese		396.00	mg/kg	NV	•	525.00	mg/kg	-		751.00	mg/kg	-	EN*	590.00	mg/kg	J	EN*	632.00	mg/kg	J
Mercury	B	0.10	mg/kg	NV	UN	0.11	mg/kg	U	U	0.06	mg/kg	U	UN	0.11	mg/kg	UJ	UN	0.10	mg/kg	UJ
Molybdenum																				
Nickel		11.30	mg/kg	NV	EN*	19.10	mg/kg	-		11.50	mg/kg	-		24.30	mg/kg	-		26.20	mg/kg	-
Potassium	B	955.00	mg/kg	NV		1330.00	mg/kg	-	U	618.00	mg/kg	U		1090.00	mg/kg	-		1390.00	mg/kg	-
Selenium	UW	0.24	mg/kg	NV	UW	0.68	mg/kg	UJ		1.30	mg/kg	-	UWN	0.65	mg/kg	UJ	UN	0.68	mg/kg	UJ
Silicon																				
Silver	B	1.90	mg/kg	NV	UN	0.91	mg/kg	U	U	0.68	mg/kg	U	U	0.87	mg/kg	U	U	0.91	mg/kg	U
Sodium	B	82.10	mg/kg	NV	B	600.00	mg/kg	J	B	192.00	mg/kg	-	B	452.00	mg/kg	J	B	477.00	mg/kg	J
Thallium	B	0.14	mg/kg	NV	U	0.91	mg/kg	U	U	0.62	mg/kg	U	U	0.87	mg/kg	U	U	0.91	mg/kg	U
Vanadium		19.80	mg/kg	NV	N*	18.60	mg/kg	-		22.40	mg/kg	-		21.90	mg/kg	-		26.90	mg/kg	-
Zinc		69.30	mg/kg	NV	E	66.60	mg/kg	-		40.40	mg/kg	J	E*	60.00	mg/kg	J	E*	74.70	mg/kg	J

S212

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Metals

Material:	SOIL				SOIL			
Depth:	0-12"				0-24"			
Process Area:	10				10			
Sample:	G13-024-M				G13-025-M			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	•	9530.00	mg/kg	J	•	8260.00	mg/kg	J
Antimony	U	10.00	mg/kg	UJ	U	9.90	mg/kg	UJ
Arsenic	•	9.50	mg/kg	-	S*	6.30	mg/kg	-
Barium		75.40	mg/kg	-		69.90	mg/kg	-
Beryllium	B	0.51	mg/kg	-	B	0.55	mg/kg	-
Cadmium	U	0.65	mg/kg	U	U	0.65	mg/kg	U
Calcium	•	124000.00	mg/kg	-	•	142000.00	mg/kg	-
Chromium	•	12.40	mg/kg	-	•	12.00	mg/kg	-
Cobalt	B	5.60	mg/kg	-	B	5.40	mg/kg	-
Copper		14.70	mg/kg	-		14.50	mg/kg	-
Iron	E*	16200.00	mg/kg	J	E*	14900.00	mg/kg	J
Lead	N*	12.70	mg/kg	J	N*	11.50	mg/kg	J
Magnesium		33900.00	mg/kg	-		26500.00	mg/kg	-
Manganese	EN*	561.00	mg/kg	J	EN*	795.00	mg/kg	J
Mercury	UN	0.11	mg/kg	UJ	UN	0.11	mg/kg	UJ
Molybdenum								
Nickel		14.80	mg/kg	-		14.20	mg/kg	-
Potassium		2140.00	mg/kg	-		1120.00	mg/kg	-
Selenium	UWN	0.65	mg/kg	UJ	UN	0.64	mg/kg	UJ
Silicon								
Silver	U	0.87	mg/kg	U	U	0.86	mg/kg	U
Sodium	B	576.00	mg/kg	J	B	530.00	mg/kg	J
Thallium	U	0.87	mg/kg	U	U	0.86	mg/kg	U
Vanadium		16.30	mg/kg	-		16.80	mg/kg	-
Zinc	E*	43.00	mg/kg	J	E*	39.80	mg/kg	J

Appendix L.3 - Additional Data
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	6
Sample:	1A-028

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	J	0.40	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		34.00	ug/L	J
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone		12.00	ug/L	UJ
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	JB	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	JB	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

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Material:	UNKNOWN LIQUID
Depth:	
Process Area:	6
Sample:	1A-028

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

0053500

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	6
Sample:	1A-028

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	1.00	ug/L	J
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				3				4				4			
Sample:	2A-012				2A-035				2A-046				2A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U					U	15000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	R		20.00	ug/L	-
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		100000.00	ug/kg	-	JB	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R		41.00	ug/L	-	U	15000.00	ug/kg	U		12.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2800.00	ug/kg	J	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1500.00	ug/kg	J	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3200.00	ug/kg	J	JB	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	JB	15000.00	ug/kg	U	JB	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Trichlorofluoromethane					U	10.00	ug/L	U	U	15000.00	ug/kg	UJ	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U		18000.00	ug/kg	-	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene					U	10.00	ug/L	U								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	15000.00	ug/kg	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	110000.00	ug/kg	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	4
Sample:	2A-049 DUP

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	JB	10.00	ug/L	UJ
Acetone		14.00	ug/L	-
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	JB	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				3				4				4			
Sample:	2A-012				2A-035				2A-046				2A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	R	U	270000.00	ug/kg	U	U	25.00	ug/L	R
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	110000.00	ug/kg	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	R	U	110000.00	ug/kg	U	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	UJ	U	270000.00	ug/kg	U	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	U	U	270000.00	ug/kg	UJ	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	270000.00	ug/kg	U	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	J	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	4400.00	ug/kg	J	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	J	0.20	ug/L	J	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	R	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2700.00	ug/kg	J	U	10.00	ug/L	U
Di-n-butyl phthalate	BJ	10.00	ug/L	U	JB	10.00	ug/L	U	B	390000.00	ug/kg	U	JB	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	J	0.10	ug/L	J
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3800.00	ug/kg	J	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U

0009339

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	4
Sample:	2A-049
	DUP

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	R
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	JB	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

00840

8212

Appendix L.3 - Additional Data
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				3				4				4			
Sample:	2A-012				2A-035				2A-046				2A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	270000.00	ug/kg	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2300.00	ug/kg	J	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2000.00	ug/kg	J	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2500.00	ug/kg	J	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	J	0.80	ug/L	J		240000.00	ug/kg	U	J	4.00	ug/L	J
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	110000.00	ug/kg	UJ	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	110000.00	ug/kg	U	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Material:	UNKNOWN LIQUID			
Depth:				
Process Area:	4			
Sample:	2A-049 DUP			
	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	2.00	ug/L	J
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

008242

8212

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	2B-005

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	BJ	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	X	45.00	ug/L	R
1,2-Dichlorobenzene	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	11.00	ug/L	U
1,4-Dichlorobenzene	X	43.00	ug/L	R
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	28.00	ug/L	U
2,4,6-Trichlorophenol	U	11.00	ug/L	U

0093643

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	2B-005

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	U
2,4-Dimethylphenol	U	11.00	ug/L	U
2,4-Dinitrophenol	U	28.00	ug/L	U
2,4-Dinitrotoluene	X	45.00	ug/L	R
2,6-Dinitrotoluene	U	11.00	ug/L	U
2-Chloronaphthalene	U	11.00	ug/L	U
2-Chlorophenol	X	73.00	ug/L	R
2-Methylnaphthalene	U	11.00	ug/L	U
2-Nitroaniline	U	28.00	ug/L	U
2-Nitrophenol	U	11.00	ug/L	U
3,3'-Dichlorobenzidine	U	11.00	ug/L	U
3-Nitroaniline	U	28.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	U
4-Bromophenyl phenyl ether	U	11.00	ug/L	U
4-Chloro-3-methylphenol	X	70.00	ug/L	R
4-Chlorophenylphenyl ether	U	11.00	ug/L	U
4-Nitroaniline	U	28.00	ug/L	U
4-Nitrophenol	X	75.00	ug/L	R
Acenaphthene	X	40.00	ug/L	R
Acenaphthylene	U	11.00	ug/L	U
Anthracene	U	11.00	ug/L	U
Benzo(a)anthracene	U	11.00	ug/L	U
Benzo(a)pyrene	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	11.00	ug/L	U
Butyl benzyl phthalate	J	2.00	ug/L	J
Carbazole	U	11.00	ug/L	U
Chrysene	U	11.00	ug/L	U
Di-n-butyl phthalate	J	7.00	ug/L	J
Di-n-octyl phthalate	U	11.00	ug/L	U
Dibenzo(a,h)anthracene	U	11.00	ug/L	U
Dibenzofuran	U	11.00	ug/L	U
Diethyl phthalate	U	11.00	ug/L	U
Dimethyl phthalate	U	11.00	ug/L	U
Fluoranthene	U	11.00	ug/L	U
Fluorene	U	11.00	ug/L	U
Hexachlorobenzene	U	11.00	ug/L	U
Hexachlorobutadiene	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	11.00	ug/L	U
Hexachloroethane	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U
Isophorone	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	X	43.00	ug/L	R
N-Nitrosodiphenylamine	U	11.00	ug/L	U
Naphthalene	U	11.00	ug/L	U

0003944

2128

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	2B-005

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	U
Pentachlorophenol	X	69.00	ug/L	R
Phenanthrene	U	11.00	ug/L	U
Phenol	X	72.00	ug/L	R
Pyrene	X	41.00	ug/L	R
Pyridine				
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	4.00	ug/L	J
m-Methylphenol				
o-Methylphenol	U	11.00	ug/L	U
p-Chloroaniline	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	11.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	2C-007				2C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
2-Butanone		79.00	ug/L	UJ	U	15.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Acetone		12.00	ug/L	UJ	U	15.00	ug/kg	U
Benzene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Bromoform	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Bromomethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Chloroethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Chloroform	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Chloromethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Styrene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Toluene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	15.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	5400.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	5400.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	5400.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	5400.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	5400.00	ug/kg	U
2,4,5-Trichlorophenol	U	26.00	ug/L	U	U	14000.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	5400.00	ug/kg	U

00345

2123

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SEDIMENT			
Depth:							
Process Area:	1			1			
Sample:	2C-007			2C-009			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	5400.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L U	U	5400.00	ug/kg	U
2,4-Dinitrophenol	U	26.00	ug/L UJ	U	14000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	5400.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L U	U	5400.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L U	U	5400.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L U	U	5400.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L U	U	5400.00	ug/kg	U
2-Nitroaniline	U	26.00	ug/L U	U	14000.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L U	U	5400.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L U	U	5400.00	ug/kg	U
3-Nitroaniline	U	26.00	ug/L U	U	14000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L U	U	14000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	5400.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	5400.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	5400.00	ug/kg	U
4-Nitroaniline	U	26.00	ug/L U	U	14000.00	ug/kg	UJ
4-Nitrophenol	U	26.00	ug/L U	U	14000.00	ug/kg	U
Acenaphthene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Anthracene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L U	J	580.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L U	J	630.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L U	J	510.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L U	J	550.00	ug/kg	J
Butyl benzyl phthalate	U	10.00	ug/L U	J	780.00	ug/kg	J
Carbazole	U	10.00	ug/L U	U	5400.00	ug/kg	U
Chrysene	U	10.00	ug/L U	J	850.00	ug/kg	J
Di-n-butyl phthalate	J	10.00	ug/L U		6200.00	ug/kg	-
Di-n-octyl phthalate	U	10.00	ug/L U	J	620.00	ug/kg	J
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L U	U	5400.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L U	U	5400.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L U	U	5400.00	ug/kg	U
Fluoranthene	U	10.00	ug/L U	J	1500.00	ug/kg	J
Fluorene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	5400.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L U	U	5400.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U	J	410.00	ug/kg	J
Isophorone	U	10.00	ug/L U	U	5400.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	5400.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	5400.00	ug/kg	U
Naphthalene	U	10.00	ug/L U	U	5400.00	ug/kg	U

0000947

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	2C-007				2C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	5400.00	ug/kg	U
Pentachlorophenol	U	26.00	ug/L	UJ	U	14000.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	J	1000.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	5400.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	J	1200.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	5400.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	5400.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate		48.00	ug/L	-		23000.00	ug/kg	-
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	5400.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	5400.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	5400.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

0009548

3212

Appendix L.3 - Additional Data
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	2				3			
Sample:,	2D-016				2D-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,1,2-Trichloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,1-Dichloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,1-Dichloroethene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,2-Dichloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,2-Dichloroethene (Total)	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
1,2-Dichloropropane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
2-Butanone	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	UJ
2-Hexanone	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
4-Methyl-2-pentanone	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Acetone	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Benzene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Bromodichloromethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Bromoform	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Bromomethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Carbon Tetrachloride	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Carbon disulfide	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Chlorobenzene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Chloroethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Chloroform	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Chloromethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Dibromochloromethane	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Ethylbenzene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Methylene chloride	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Styrene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Tetrachloroethene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Toluene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Trichloroethene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Xylenes, Total	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
cis-1,3-Dichloropropene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	1000.00	ug/L	UJ	U	10000.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	1700.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	680.00	ug/kg	U

000649

Appendix L.3 - Additional Data
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	2				3			
Sample:	2D-016				2D-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	UJ	U	1700.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	J	67.00	ug/kg	J
2-Nitroaniline	U	25.00	ug/L	U	U	1700.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	340.00	ug/kg	U
3-Nitroaniline	U	25.00	ug/L	U	U	1700.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	850.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	680.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	1700.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L	U	U	1700.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	J	81.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	240.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	J	67.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L	U	DJ	91.00	ug/kg	J
Butyl benzyl phthalate	U	10.00	ug/L	U	J	68.00	ug/kg	J
Carbazole	U	10.00	ug/L	U	U	340.00	ug/kg	U
Chrysene	U	10.00	ug/L	U	J	150.00	ug/kg	J
Di-n-butyl phthalate	J	10.00	ug/L	U		1500.00	ug/kg	-
Di-n-octyl phthalate	U	10.00	ug/L	U	DJ	77.00	ug/kg	J
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	680.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	J	280.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	340.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	J	61.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	340.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	340.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	340.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	J	240.00	ug/kg	J

053000

3212

Appendix L.3 - Additional Data
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	2				3			
Sample:	2D-016				2D-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	850.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	J	270.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	J	160.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	340.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	2.00	ug/L	J	E	4600.00	ug/kg	J
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	340.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	340.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

000351

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	2H-007				2H-009				2H-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
2-Butanone		74.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	1300.00	ug/kg	UJ	U	2200.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Acetone	U	10.00	ug/L	UJ	U	1300.00	ug/kg	UJ	U	2200.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U		1500.00	ug/kg	-	U	2200.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Toluene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U		24000.00	ug/kg	-	U	890.00	ug/kg	J
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	1300.00	ug/kg	U	U	2200.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	34000.00	ug/kg	R	U	470.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	81000.00	ug/kg	U	U	1100.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U

000852

2128

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	2H-007				2H-009				2H-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	81000.00	ug/kg	UJ	U	1100.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	34000.00	ug/kg	R	U	470.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	J	1100.00	ug/kg	J	J	66.00	ug/kg	J
2-Nitroaniline	U	25.00	ug/L	U	U	81000.00	ug/kg	U	U	1100.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
3-Nitroaniline	U	25.00	ug/L	U	U	81000.00	ug/kg	U	U	1100.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	81000.00	ug/kg	U	U	1100.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	81000.00	ug/kg	UJ	U	1100.00	ug/kg	U
4-Nitrophenol	U	25.00	ug/L	U	U	81000.00	ug/kg	U	U	1100.00	ug/kg	UJ
Acenaphthene	U	10.00	ug/L	U	J	14000.00	ug/kg	J	J	100.00	ug/kg	J
Acenaphthylene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	J	22000.00	ug/kg	J	J	200.00	ug/kg	J
Benzo(a)anthracene	U	10.00	ug/L	U		40000.00	ug/kg	-		1300.00	ug/kg	-
Benzo(a)pyrene	U	10.00	ug/L	U		37000.00	ug/kg	-		1400.00	ug/kg	-
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	31000.00	ug/kg	J		1400.00	ug/kg	-
Benzo(g,h,i)perylene	U	10.00	ug/L	U	J	12000.00	ug/kg	J		1700.00	ug/kg	-
Benzo(k)fluoranthene	U	10.00	ug/L	U		37000.00	ug/kg	-		1100.00	ug/kg	-
Butyl benzyl phthalate	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Carbazole	U	10.00	ug/L	U	J	13000.00	ug/kg	J	J	140.00	ug/kg	J
Chrysene	U	10.00	ug/L	U		43000.00	ug/kg	-		1500.00	ug/kg	-
Di-n-butyl phthalate	JB	10.00	ug/L	U	JB	34000.00	ug/kg	U	B	710.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	J	7200.00	ug/kg	J	J	75.00	ug/kg	J
Diethyl phthalate	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U		110000.00	ug/kg	-		2600.00	ug/kg	-
Fluorene	U	10.00	ug/L	U	J	10000.00	ug/kg	J	J	100.00	ug/kg	J
Hexachlorobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	J	15000.00	ug/kg	J		1400.00	ug/kg	-
Isophorone	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	J	1500.00	ug/kg	J	J	39.00	ug/kg	J

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	2H-007				2H-009				2H-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	81000.00	ug/kg	R	U	1100.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U		100000.00	ug/kg	-		1300.00	ug/kg	-
Phenol	J	0.70	ug/L	J	U	34000.00	ug/kg	U	J	18.00	ug/kg	J
Pyrene	U	10.00	ug/L	U		71000.00	ug/kg	-		3200.00	ug/kg	-
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	JB	34000.00	ug/kg	U	B	960.00	ug/kg	U
m-Methylphenol												
o-Methylphenol	U	10.00	ug/L	U	U	34000.00	ug/kg	U	U	470.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	34000.00	ug/kg	UJ	U	470.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	34000.00	ug/kg	U	J	13.00	ug/kg	J
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3D-006

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		39.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone	B	10.00	ug/L	U
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	11.00	ug/L	U
1,2-Dichlorobenzene	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	11.00	ug/L	U
1,4-Dichlorobenzene	U	11.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	26.00	ug/L	U
2,4,6-Trichlorophenol	U	11.00	ug/L	U

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Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3D-006

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	U
2,4-Dimethylphenol	U	11.00	ug/L	U
2,4-Dinitrophenol	U	26.00	ug/L	U
2,4-Dinitrotoluene	U	11.00	ug/L	U
2,6-Dinitrotoluene	U	11.00	ug/L	U
2-Chloronaphthalene	U	11.00	ug/L	U
2-Chlorophenol	U	11.00	ug/L	U
2-Methylnaphthalene	U	11.00	ug/L	U
2-Nitroaniline	U	26.00	ug/L	U
2-Nitrophenol	U	11.00	ug/L	U
3,3'-Dichlorobenzidine	U	11.00	ug/L	U
3-Nitroaniline	U	26.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U
4-Bromophenyl phenyl ether	U	11.00	ug/L	U
4-Chloro-3-methylphenol	U	11.00	ug/L	U
4-Chlorophenylphenyl ether	U	11.00	ug/L	U
4-Nitroaniline	U	26.00	ug/L	U
4-Nitrophenol	U	26.00	ug/L	U
Acenaphthene	U	11.00	ug/L	U
Acenaphthylene	U	11.00	ug/L	U
Anthracene	U	11.00	ug/L	U
Benzo(a)anthracene	U	11.00	ug/L	U
Benzo(a)pyrene	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	11.00	ug/L	U
Butyl benzyl phthalate	U	11.00	ug/L	U
Carbazole	U	11.00	ug/L	U
Chrysene	U	11.00	ug/L	U
Di-n-butyl phthalate	BD	290.00	ug/L	-
Di-n-octyl phthalate	U	11.00	ug/L	U
Dibenzo(a,h)anthracene	U	11.00	ug/L	U
Dibenzofuran	U	11.00	ug/L	U
Diethyl phthalate	U	11.00	ug/L	U
Dimethyl phthalate	U	11.00	ug/L	U
Fluoranthene	U	11.00	ug/L	U
Fluorene	U	11.00	ug/L	U
Hexachlorobenzene	U	11.00	ug/L	U
Hexachlorobutadiene	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	11.00	ug/L	U
Hexachloroethane	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U
Isophorone	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U
N-Nitrosodiphenylamine	U	11.00	ug/L	U
Naphthalene	U	11.00	ug/L	U

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Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3D-006

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	U
Pentachlorophenol	U	26.00	ug/L	U
Phenanthrene	U	11.00	ug/L	U
Phenol	JB	11.00	ug/L	U
Pyrene	J	0.70	ug/L	J
Pyridine				
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	B	31.00	ug/L	-
m-Methylphenol				
o-Methylphenol	J	1.00	ug/L	J
p-Chloroanilline	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	11.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3E-008				3E-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	J	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		16.00	ug/L	-	J	7.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	J	1.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	J	3.00	ug/L	J	J	1.00	ug/L	J
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
1,2-Dichlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
1,4-Dichlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	28.00	ug/L	U	U	28.00	ug/L	U
2,4,6-Trichlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3E-008				3E-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U
2,4-Dimethylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U
2,4-Dinitrophenol	J	7.00	ug/L	J	J	18.00	ug/L	J
2,4-Dinitrotoluene	U	11.00	ug/L	U	U	11.00	ug/L	U
2,6-Dinitrotoluene	U	11.00	ug/L	U	U	11.00	ug/L	U
2-Chloronaphthalene	U	11.00	ug/L	U	U	11.00	ug/L	U
2-Chlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U
2-Methylnaphthalene	U	11.00	ug/L	U	U	11.00	ug/L	U
2-Nitroaniline	U	28.00	ug/L	U	U	28.00	ug/L	U
2-Nitrophenol	J	1.00	ug/L	J	J	2.00	ug/L	J
3,3'-Dichlorobenzidine	U	11.00	ug/L	R	U	11.00	ug/L	U
3-Nitroaniline	U	28.00	ug/L	U	U	28.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	U	U	28.00	ug/L	U
4-Bromophenyl phenyl ether	U	11.00	ug/L	U	U	11.00	ug/L	U
4-Chloro-3-methylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U
4-Chlorophenylphenyl ether	U	11.00	ug/L	U	U	11.00	ug/L	U
4-Nitroaniline	U	28.00	ug/L	U	U	28.00	ug/L	U
4-Nitrophenol	J	7.00	ug/L	J	U	28.00	ug/L	U
Acenaphthene	U	11.00	ug/L	U	U	11.00	ug/L	U
Acenaphthylene	U	11.00	ug/L	U	U	11.00	ug/L	U
Anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	11.00	ug/L	U	U	11.00	ug/L	U
Butyl benzyl phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U
Carbazole	U	11.00	ug/L	U	U	11.00	ug/L	U
Chrysene	U	11.00	ug/L	U	U	11.00	ug/L	U
Di-n-butyl phthalate	J	11.00	ug/L	R		11.00	ug/L	U
Di-n-octyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	U
Dibenzo(a,h)anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U
Dibenzofuran	U	11.00	ug/L	U	U	11.00	ug/L	U
Diethyl phthalate	U	11.00	ug/L	U	J	3.00	ug/L	J
Dimethyl phthalate	U	11.00	ug/L	U	J	4.00	ug/L	J
Fluoranthene	U	11.00	ug/L	U	J	0.90	ug/L	J
Fluorene	U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobutadiene	U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachloroethane	U	11.00	ug/L	U	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U
Isophorone	U	11.00	ug/L	U	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U	U	11.00	ug/L	U
N-Nitrosodiphenylamine	U	11.00	ug/L	U	U	11.00	ug/L	U
Naphthalene	U	11.00	ug/L	U	J	2.00	ug/L	J

Appendix L.3 - Additional Data
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3E-008				3E-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U
Pentachlorophenol	U	28.00	ug/L	U	U	28.00	ug/L	U
Phenanthrene	U	11.00	ug/L	U		2.00	ug/L	-
Phenol	J	11.00	ug/L	U	U	11.00	ug/L	U
Pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	11.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	11.00	ug/L	U	J	11.00	ug/L	U
m-Methylphenol								
o-Methylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U
p-Chloroaniline	U	11.00	ug/L	U	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	11.00	ug/L	U	U	11.00	ug/L	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

000360

2173

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Re
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3F-008				3F-011 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	J	8.00	ug/L	J	J	8.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	J	1.00	ug/L	J	J	1.00	ug/L	J
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		56.00	ug/L	U		23.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		19.00	ug/L	-		20.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethylbenzene	J	1.00	ug/L	J	J	1.00	ug/L	J
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	J	1.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	J	5.00	ug/L	J	J	5.00	ug/L	J
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	26.00	ug/L	U	U	26.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3F-008				3F-011 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	26.00	ug/L	U	U	26.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline	U	26.00	ug/L	U	U	26.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	U
3-Nitroaniline	U	26.00	ug/L	U	U	26.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U	U	26.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline	U	26.00	ug/L	U	U	26.00	ug/L	U
4-Nitrophenol	U	26.00	ug/L	U	U	26.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene	J	0.90	ug/L	J	J	0.70	ug/L	J
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate	J	10.00	ug/L	U	J	10.00	ug/L	U
Di-n-octyl phthalate	J	0.60	ug/L	J	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	J	0.60	ug/L	J
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene	J	2.00	ug/L	J	J	2.00	ug/L	J
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U

293000

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Re
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	3F-008				3F-011 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Pentachlorophenol	U	26.00	ug/L	U	U	26.00	ug/L	U
Phenanthrene	J	1.00	ug/L	J	J	1.00	ug/L	J
Phenol	U	10.00	ug/L	U	J	10.00	ug/L	U
Pyrene	J	1.00	ug/L	J	J	0.80	ug/L	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	5.00	ug/L	J	J	10.00	ug/L	U
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	2.00	ug/L	J
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

000383

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	3H-007

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	120.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	120.00	ug/kg	UJ
1,1,2-Trichloroethane	U	120.00	ug/kg	UJ
1,1-Dichloroethane	U	120.00	ug/kg	UJ
1,1-Dichloroethene	U	120.00	ug/kg	UJ
1,2-Dichloroethane	U	120.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	120.00	ug/kg	UJ
1,2-Dichloropropane	U	120.00	ug/kg	UJ
2-Butanone	U	120.00	ug/kg	UJ
2-Hexanone	U	120.00	ug/kg	R
4-Methyl-2-pentanone	U	120.00	ug/kg	UJ
Acetone	U	120.00	ug/kg	UJ
Benzene	U	120.00	ug/kg	UJ
Bromodichloromethane	U	120.00	ug/kg	UJ
Bromoform	U	120.00	ug/kg	UJ
Bromomethane	U	120.00	ug/kg	UJ
Carbon Tetrachloride	U	120.00	ug/kg	UJ
Carbon disulfide	U	120.00	ug/kg	UJ
Chlorobenzene	U	120.00	ug/kg	UJ
Chloroethane	U	120.00	ug/kg	UJ
Chloroform	U	120.00	ug/kg	UJ
Chloromethane	U	120.00	ug/kg	UJ
Dibromochloromethane	U	120.00	ug/kg	UJ
Ethylbenzene	U	120.00	ug/kg	UJ
Methylene chloride	U	120.00	ug/kg	UJ
Styrene	U	120.00	ug/kg	UJ
Tetrachloroethene	U	120.00	ug/kg	UJ
Toluene	J	120.00	ug/kg	UJ
Trichloroethene	U	120.00	ug/kg	UJ
Trichlorofluoromethane				
Vinyl chloride	U	120.00	ug/kg	UJ
Xylenes, Total	U	120.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	120.00	ug/kg	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	120.00	ug/kg	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	19000.00	ug/kg	UJ
1,2-Dichlorobenzene	U	19000.00	ug/kg	UJ
1,3-Dichlorobenzene	U	19000.00	ug/kg	UJ
1,4-Dichlorobenzene	U	19000.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	19000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	19000.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	19000.00	ug/kg	UJ

096004

2123

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	3H-007

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	19000.00	ug/kg	UJ
2,4-Dimethylphenol	U	19000.00	ug/kg	UJ
2,4-Dinitrophenol	U	48000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	19000.00	ug/kg	UJ
2,6-Dinitrotoluene	U	19000.00	ug/kg	UJ
2-Chloronaphthalene	U	19000.00	ug/kg	UJ
2-Chlorophenol	U	19000.00	ug/kg	UJ
2-Methylnaphthalene	U	19000.00	ug/kg	UJ
2-Nitroaniline	U	19000.00	ug/kg	UJ
2-Nitrophenol	U	19000.00	ug/kg	UJ
3,3'-Dichlorobenzidine	U	19000.00	ug/kg	UJ
3-Nitroaniline	U	19000.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	48000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	19000.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	19000.00	ug/kg	UJ
4-Chlorophenylphenyl ether	U	19000.00	ug/kg	UJ
4-Nitroaniline	U	48000.00	ug/kg	UJ
4-Nitrophenol	U	48000.00	ug/kg	UJ
Acenaphthene	U	19000.00	ug/kg	UJ
Acenaphthylene	U	19000.00	ug/kg	UJ
Anthracene	J	120.00	ug/kg	J
Benzo(a)anthracene	J	1100.00	ug/kg	J
Benzo(a)pyrene	J	1800.00	ug/kg	J
Benzo(b)fluoranthene	J	2000.00	ug/kg	J
Benzo(g,h,i)perylene	J	1200.00	ug/kg	J
Benzo(k)fluoranthene	J	2000.00	ug/kg	J
Butyl benzyl phthalate	U	19000.00	ug/kg	UJ
Carbazole	U	19000.00	ug/kg	UJ
Chrysene	J	2000.00	ug/kg	J
Di-n-butyl phthalate	J	19000.00	ug/kg	UJ
Di-n-octyl phthalate	U	19000.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	19000.00	ug/kg	UJ
Dibenzofuran	U	19000.00	ug/kg	UJ
Diethyl phthalate	J	700.00	ug/kg	J
Dimethyl phthalate	U	19000.00	ug/kg	UJ
Fluoranthene	J	3800.00	ug/kg	J
Fluorene	U	19000.00	ug/kg	UJ
Hexachlorobenzene	U	19000.00	ug/kg	UJ
Hexachlorobutadiene	U	19000.00	ug/kg	UJ
Hexachlorocyclopentadiene	U	19000.00	ug/kg	UJ
Hexachloroethane	U	19000.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	J	1200.00	ug/kg	J
Isophorone	U	19000.00	ug/kg	UJ
N-Nitroso-di-n-propylamine	U	19000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	19000.00	ug/kg	UJ
Naphthalene	U	19000.00	ug/kg	UJ

000885

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	3H-007

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	19000.00	ug/kg	UJ
Pentachlorophenol	U	48000.00	ug/kg	UJ
Phenanthrene	J	1900.00	ug/kg	J
Phenol	J	19000.00	ug/kg	UJ
Pyrene	J	3100.00	ug/kg	J
Pyridine				
bis(2-Chloroethoxy)methane	U	19000.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	19000.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate		25000.00	ug/kg	J
m-Methylphenol				
o-Methylphenol	U	19000.00	ug/kg	UJ
p-Chloroaniline	U	19000.00	ug/kg	R
p-Methylphenol (Cresol)	U	19000.00	ug/kg	UJ
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

000356

3212

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3J-007

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone	B	27.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	50.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

209000

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3J-007

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	50.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	50.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	20.00	ug/L	UJ
3-Nitroaniline	U	50.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	50.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	50.00	ug/L	U
4-Nitrophenol	J	1.00	ug/L	J
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole				
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	J	1.00	ug/L	J
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

000868
2173

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3J-007

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	50.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

000369

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3K-007

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	J	1.00	ug/L	J
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		45.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone		15.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene		10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

089000

89212

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3K-007

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

000074

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	3K-007

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

2173

Appendix L.3 - Additional Data
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				3				3			
Sample:	4A-009				4A-011				4A-034				4A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U		150.00	ug/kg	-
1,1,2,2-Tetrachloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,1,2-Trichloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,1-Dichloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,1-Dichloroethene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,2-Dichloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,2-Dichloroethene (Total)					U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
1,2-Dichloropropane	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
2-Butanone	U	5000.00	ug/L	UJ	U	580.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	120.00	ug/kg	U
2-Hexanone	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
4-Methyl-2-pentanone	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	R
Acetone	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	UJ
Benzene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U		60.00	ug/kg	J
Bromodichloromethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Bromoform	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Bromomethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Carbon Tetrachloride	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Carbon disulfide	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Chlorobenzene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Chloroethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Chloroform	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Chloromethane	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Dibromochloromethane	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Ethylbenzene	U	5000.00	ug/L	U	J	160.00	ug/kg	J	U	10.00	ug/L	U	U	120.00	ug/kg	U
Methylene chloride	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Styrene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Tetrachloroethene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Toluene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	J	120.00	ug/kg	U
Trichloroethene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Trichlorofluoromethane	U	5000.00	ug/L	UJ	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Vinyl chloride	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Xylenes, Total	U	5000.00	ug/L	U		1700.00	ug/kg	-	U	10.00	ug/L	U	U	350.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	5000.00	ug/L	U												
trans-1,3-Dichloropropene	U	5000.00	ug/L	U	U	580.00	ug/kg	U	U	10.00	ug/L	U	U	120.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	100.00	ug/L	U		39000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
1,2-Dichlorobenzene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
1,3-Dichlorobenzene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
1,4-Dichlorobenzene	U	100.00	ug/L	U		39000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2,4,5-Trichlorophenol	U	250.00	ug/L	U	U	12000.00	ug/kg	U	U	250.00	ug/L	U	U	11000.00	ug/kg	U
2,4,6-Trichlorophenol	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U

23000

Appendix L.3 - Additional Data
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				3				3			
Sample:	4A-009				4A-011				4A-034				4A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	100.00	ug/L	U	J	410.00	ug/kg	J	J	3.00	ug/L	J	U	11000.00	ug/kg	U
2,4-Dimethylphenol		71.00	ug/L	J	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2,4-Dinitrophenol	U	250.00	ug/L	UJ	U	30000.00	ug/kg	R	U	250.00	ug/L	U	U	28000.00	ug/kg	U
2,4-Dinitrotoluene	U	100.00	ug/L	U		50000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2,6-Dinitrotoluene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2-Chloronaphthalene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2-Chlorophenol	U	100.00	ug/L	U		57000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2-Methylnaphthalene	U	100.00	ug/L	U	J	1700.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U
2-Nitroaniline	U	250.00	ug/L	U	U	12000.00	ug/kg	U	U	250.00	ug/L	U	U	11000.00	ug/kg	U
2-Nitrophenol	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	100.00	ug/L	U	U	12000.00	ug/kg	R	U	100.00	ug/L	U	U	11000.00	ug/kg	U
3-Nitroaniline	U	250.00	ug/L	U	U	12000.00	ug/kg	U	U	250.00	ug/L	U	U	11000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	250.00	ug/L	U	U	30000.00	ug/kg	UJ	U	250.00	ug/L	U	U	28000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
4-Chloro-3-methylphenol	U	100.00	ug/L	U		69000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
4-Nitroaniline	U	250.00	ug/L	U	U	30000.00	ug/kg	U	U	250.00	ug/L	U	U	28000.00	ug/kg	U
4-Nitrophenol	U	250.00	ug/L	U		57000.00	ug/kg	J	U	250.00	ug/L	U	U	28000.00	ug/kg	U
Acenaphthene	U	100.00	ug/L	U		50000.00	ug/kg	-	U	100.00	ug/L	U	J	180.00	ug/kg	J
Acenaphthylene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Anthracene	U	100.00	ug/L	U	J	4800.00	ug/kg	J	U	100.00	ug/L	U	J	320.00	ug/kg	J
Benzo(a)anthracene	U	100.00	ug/L	U		27000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Benzo(a)pyrene	U	100.00	ug/L	U		18000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Benzo(b)fluoranthene	U	100.00	ug/L	U		26000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Benzo(g,h,i)perylene	U	100.00	ug/L	U		14000.00	ug/kg	-	U	100.00	ug/L	U	J	1200.00	ug/kg	J
Benzo(k)fluoranthene	U	100.00	ug/L	U	J	10000.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Butyl benzyl phthalate	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Carbazole	U	100.00	ug/L	U	J	3300.00	ug/kg	J	U	100.00	ug/L	U	J	150.00	ug/kg	J
Chrysene	U	100.00	ug/L	U		29000.00	ug/kg	-	U	100.00	ug/L	U	J	3400.00	ug/kg	J
Di-n-butyl phthalate		100.00	ug/L	U		41000.00	ug/kg	-	J	100.00	ug/L	U	J	11000.00	ug/kg	U
Di-n-octyl phthalate	J	6.00	ug/L	J	J	450.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	100.00	ug/L	U	J	530.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Dibenzofuran	U	100.00	ug/L	U	J	2900.00	ug/kg	J	U	100.00	ug/L	U	J	100.00	ug/kg	J
Diethyl phthalate	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Dimethyl phthalate	U	100.00	ug/L	U	J	3000.00	ug/kg	J	U	100.00	ug/L	U	J	960.00	ug/kg	J
Fluoranthene	J	2.00	ug/L	J		36000.00	ug/kg	-	U	100.00	ug/L	U	J	5400.00	ug/kg	J
Fluorene	U	100.00	ug/L	U	J	4700.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Hexachlorobenzene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Hexachlorobutadiene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Hexachlorocyclopentadiene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Hexachloroethane	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	100.00	ug/L	U	J	9900.00	ug/kg	J	U	100.00	ug/L	U	J	1000.00	ug/kg	J
Isophorone	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	100.00	ug/L	U		48000.00	ug/kg	-	U	100.00	ug/L	U	U	11000.00	ug/kg	U
N-Nitrosodiphenylamine	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Naphthalene	U	100.00	ug/L	U	J	2700.00	ug/kg	J	U	100.00	ug/L	U	U	11000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				3				3			
Sample:	4A-009				4A-011				4A-034				4A-035			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
Pentachlorophenol	U	250.00	ug/L	U	J	14000.00	ug/kg	J	U	250.00	ug/L	U	U	28000.00	ug/kg	U
Phenanthrene	U	100.00	ug/L	U		30000.00	ug/kg	-	U	100.00	ug/L	U	J	2200.00	ug/kg	J
Phenol	U	100.00	ug/L	U		67000.00	ug/kg	-		520.00	ug/L	-	U	11000.00	ug/kg	U
Pyrene	U	100.00	ug/L	U		98000.00	ug/kg	-	U	100.00	ug/L	U	J	5400.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	100.00	ug/L	U	U	12000.00	ug/kg	U	U	100.00	ug/L	U	U	11000.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate		280.00	ug/L	-		25000.00	ug/kg	-	U	100.00	ug/L	U		26000.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	100.00	ug/L	U	J	57.00	ug/kg	J	J	10.00	ug/L	J	U	11000.00	ug/kg	U
p-Chloroaniline	U	100.00	ug/L	UJ	U	12000.00	ug/kg	UJ	U	100.00	ug/L	UJ	U	11000.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	100.00	ug/L	U	U	12000.00	ug/kg	U	J	8.00	ug/L	J	U	11000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA			
Depth:																
Process Area:	1				2				2				10			
Sample:	5A-005				5A-013				5A-015				5A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1,2-Trichloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1-Dichloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,1-Dichloroethene	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
1,2-Dichloropropane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
2-Butanone	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
2-Hexanone	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
4-Methyl-2-pentanone	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Acetone	U	1300.00	ug/kg	R	U	11.00	ug/kg	R	U	1300.00	ug/kg	R		62.00	ug/kg	R
Benzene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Bromodichloromethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Bromoform	J	220.00	ug/kg	J	U	11.00	ug/kg	UJ	J	140.00	ug/kg	J	U	10.00	ug/kg	UJ
Bromomethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Carbon Tetrachloride	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Carbon disulfide	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Chlorobenzene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloroethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloroform	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloromethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Dibromochloromethane	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Ethylbenzene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Methylene chloride	BJ	1300.00	ug/kg	U	J	11.00	ug/kg	U	BJ	1300.00	ug/kg	U		15.00	ug/kg	UJ
Styrene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Tetrachloroethene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Toluene	J	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	J	1300.00	ug/kg	U		16.00	ug/kg	UJ
Trichloroethene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Trichlorofluoromethane																
Vinyl chloride	U	1300.00	ug/kg	U	U	11.00	ug/kg	U	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Xylenes, Total	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	1300.00	ug/kg	U	U	11.00	ug/kg	UJ	U	1300.00	ug/kg	U	U	10.00	ug/kg	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
1,2-Dichlorobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
1,3-Dichlorobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
1,4-Dichlorobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
2,4,6-Trichlorophenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U

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Material:	LOOSE MEDIA
Depth:	
Process Area:	10
Sample:	5A-049 DUP

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/kg	R
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	R
1,1,2-Trichloroethane	U	10.00	ug/kg	R
1,1-Dichloroethane	U	10.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/kg	R
2-Butanone	U	10.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/kg	R
Acetone		67.00	ug/kg	R
Benzene	U	10.00	ug/kg	R
Bromodichloromethane	U	10.00	ug/kg	R
Bromoform	U	10.00	ug/kg	R
Bromomethane	U	10.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/kg	R
Carbon disulfide	U	10.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/kg	R
Chloroethane	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/kg	UJ
Chloromethane	U	10.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/kg	R
Ethylbenzene	U	10.00	ug/kg	R
Methylene chloride		16.00	ug/kg	UJ
Styrene	U	10.00	ug/kg	R
Tetrachloroethene	U	10.00	ug/kg	R
Toluene		12.00	ug/kg	R
Trichloroethene	U	10.00	ug/kg	R
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/kg	R
cis-1,3-Dichloropropene	U	10.00	ug/kg	R
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/kg	R
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	21000.00	ug/kg	U
1,2-Dichlorobenzene	U	21000.00	ug/kg	U
1,3-Dichlorobenzene	U	21000.00	ug/kg	U
1,4-Dichlorobenzene	U	21000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	52000.00	ug/kg	U
2,4,6-Trichlorophenol	U	21000.00	ug/kg	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA			
Depth:																
Process Area:	1				2				2				10			
Sample:	5A-005				5A-013				5A-015				5A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2,4-Dimethylphenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2,4-Dinitrophenol	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
2,4-Dinitrotoluene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2,6-Dinitrotoluene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2-Chloronaphthalene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2-Chlorophenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2-Methylnaphthalene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
2-Nitroaniline	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
2-Nitrophenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	U
3-Nitroaniline	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
4-Chloro-3-methylphenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
4-Nitroaniline	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
4-Nitrophenol	U	50000.00	ug/kg	UJ	U	54000.00	ug/kg	UJ	U	51000.00	ug/kg	UJ	UJ	52000.00	ug/kg	UJ
Acenaphthene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Acenaphthylene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Anthracene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Benzo(a)anthracene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	U
Benzo(a)pyrene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Benzo(b)fluoranthene	U	20000.00	ug/kg	U	J	2000.00	ug/kg	J	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Benzo(g,h,i)perylene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Benzo(k)fluoranthene	U	20000.00	ug/kg	U	J	1200.00	ug/kg	J	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Butyl benzyl phthalate	J	4900.00	ug/kg	J	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	U
Carbazole	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Chrysene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	U
Di-n-butyl phthalate	J	9100.00	ug/kg	J	J	3200.00	ug/kg	J	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Di-n-octyl phthalate	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Dibenzofuran	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Diethyl phthalate	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Dimethyl phthalate	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Fluoranthene	U	20000.00	ug/kg	U	J	3200.00	ug/kg	J	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Fluorene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Hexachlorobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Hexachlorobutadiene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Hexachlorocyclopentadiene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Hexachloroethane	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	UJ
Isophorone	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
N-Nitrosodiphenylamine	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Naphthalene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	10
Sample:	5A-049 DUP

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	21000.00	ug/kg	U
2,4-Dimethylphenol	U	21000.00	ug/kg	U
2,4-Dinitrophenol	U	52000.00	ug/kg	U
2,4-Dinitrotoluene	U	21000.00	ug/kg	U
2,6-Dinitrotoluene	U	21000.00	ug/kg	U
2-Chloronaphthalene	U	21000.00	ug/kg	U
2-Chlorophenol	U	21000.00	ug/kg	U
2-Methylnaphthalene	U	21000.00	ug/kg	U
2-Nitroaniline	U	52000.00	ug/kg	U
2-Nitrophenol	U	21000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	21000.00	ug/kg	U
3-Nitroaniline	U	52000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	52000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	21000.00	ug/kg	U
4-Chloro-3-methylphenol	U	21000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	21000.00	ug/kg	U
4-Nitroaniline	U	52000.00	ug/kg	U
4-Nitrophenol	U	52000.00	ug/kg	UJ
Acenaphthene	U	21000.00	ug/kg	U
Acenaphthylene	U	21000.00	ug/kg	U
Anthracene	U	21000.00	ug/kg	U
Benzo(a)anthracene	U	21000.00	ug/kg	U
Benzo(a)pyrene	U	21000.00	ug/kg	U
Benzo(b)fluoranthene	U	21000.00	ug/kg	U
Benzo(g,h,i)perylene	U	21000.00	ug/kg	U
Benzo(k)fluoranthene	U	21000.00	ug/kg	U
Butyl benzyl phthalate	U	21000.00	ug/kg	U
Carbazole	U	21000.00	ug/kg	U
Chrysene	U	21000.00	ug/kg	U
Di-n-butyl phthalate	U	21000.00	ug/kg	U
Di-n-octyl phthalate	U	21000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	21000.00	ug/kg	U
Dibenzofuran	U	21000.00	ug/kg	U
Diethyl phthalate	U	21000.00	ug/kg	U
Dimethyl phthalate	U	21000.00	ug/kg	U
Fluoranthene	U	21000.00	ug/kg	U
Fluorene	U	21000.00	ug/kg	U
Hexachlorobenzene	U	21000.00	ug/kg	U
Hexachlorobutadiene	U	21000.00	ug/kg	U
Hexachlorocyclopentadiene	U	21000.00	ug/kg	U
Hexachloroethane	U	21000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	21000.00	ug/kg	U
Isophorone	U	21000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	21000.00	ug/kg	U
N-Nitrosodiphenylamine	U	21000.00	ug/kg	U
Naphthalene	U	21000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA				LOOSE MEDIA			
Depth:																
Process Area:	1				2				2				10			
Sample:	5A-005				5A-013				5A-015				5A-048			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Pentachlorophenol	U	50000.00	ug/kg	U	U	54000.00	ug/kg	U	U	51000.00	ug/kg	U	U	52000.00	ug/kg	U
Phenanthrene	U	20000.00	ug/kg	U	J	2200.00	ug/kg	J	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Phenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Pyrene	U	20000.00	ug/kg	U	J	2700.00	ug/kg	J	U	20000.00	ug/kg	UJ	U	21000.00	ug/kg	U
Pyridine																
bis(2-Chloroethoxy)methane	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	J	20000.00	ug/kg	U	J	22000.00	ug/kg	U	J	7100.00	ug/kg	J	J	21000.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
p-Chloroaniline	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
p-Methylphenol (Cresol)	U	20000.00	ug/kg	U	U	22000.00	ug/kg	U	U	20000.00	ug/kg	U	U	21000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Material:	LOOSE MEDIA	
Depth:		
Process Area:	10	
Sample:	5A-049 DUP	

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	21000.00	ug/kg	U
Pentachlorophenol	U	52000.00	ug/kg	U
Phenanthrene	U	21000.00	ug/kg	U
Phenol	U	21000.00	ug/kg	U
Pyrene	U	21000.00	ug/kg	U
Pyridine				
bis(2-Chloroethoxy)methane	U	21000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	21000.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	21000.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	J	21000.00	ug/kg	U
m-Methylphenol				
o-Methylphenol	U	21000.00	ug/kg	U
p-Chloroaniline	U	21000.00	ug/kg	U
p-Methylphenol (Cresol)	U	21000.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				2			
Sample:	6A-006				6A-007 DUP				6A-012				6A-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	J	2.00	ug/L	J	J	2.00	ug/L	J	U	10.00	ug/kg	U	J	3.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
1,1-Dichloroethane	J	2.00	ug/L	J	J	2.00	ug/L	J	U	10.00	ug/kg	U	J	2.00	ug/L	J
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U		40.00	ug/L	-
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
2-Butanone		19.00	ug/L	U		12.00	ug/L	U		58.00	ug/kg	-	U	500.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Acetone	J	10.00	ug/L	U		10.00	ug/L	U	J	10.00	ug/kg	UJ		36.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	J	1.00	ug/L	J
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Tetrachloroethene	J	4.00	ug/L	J	J	5.00	ug/L	J	U	10.00	ug/kg	U		6800.00	ug/L	-
Toluene	U	10.00	ug/L	U	J	10.00	ug/L	U		130.00	ug/kg	-	J	9.00	ug/L	J
Trichloroethene	J	3.00	ug/L	J	J	3.00	ug/L	J	U	10.00	ug/kg	U		78.00	ug/L	-
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U				
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	R	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				2			
Sample:	6A-006				6A-007 DUP				6A-012				6A-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	J	1.00	ug/L	J
2,4-Dinitrophenol	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	800.00	ug/kg	R	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	17.00	ug/kg	J	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	UJ	U	10.00	ug/L	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	25.00	ug/L	U	U	800.00	ug/kg	R	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	R	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	UJ	U	10.00	ug/L	UJ
Benzo(a)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	UJ	U	10.00	ug/L	UJ
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	UJ	U	10.00	ug/L	UJ
Di-n-butyl phthalate	U	10.00	ug/L	U	J	10.00	ug/L	U	J	280.00	ug/kg	J	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	J	70.00	ug/kg	J	U	10.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	45.00	ug/kg	J				
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	UJ
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	30.00	ug/kg	J	U	10.00	ug/L	U

000523

Appendix L.3 - Additional Data
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				2			
Sample:	6A-006				6A-007 DUP				6A-012				6A-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	800.00	ug/kg	R	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	180.00	ug/kg	J	U	10.00	ug/L	U
Phenol	J	10.00	ug/L	U	J	10.00	ug/L	U	BJ	330.00	ug/kg	R	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	110.00	ug/kg	J	U	10.00	ug/L	UJ
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether													U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	U	J	10.00	ug/L	U	B	550.00	ug/kg	UJ	BJ	10.00	ug/L	UJ
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	R	U	10.00	ug/L	UJ	U	330.00	ug/kg	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	330.00	ug/kg	R	J	2.00	ug/L	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

6212

Appendix L.3 - Additional Data
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage A
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6B-004

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		65.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	J	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

000365

Appendix L.3 - Additional Data
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage A
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6B-004

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

000886

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6B-004

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	J	4.00	ug/L	J
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	R
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

21000

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	6D-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	550.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	550.00	ug/kg	U
1,1,2-Trichloroethane	U	550.00	ug/kg	U
1,1-Dichloroethane	U	550.00	ug/kg	U
1,1-Dichloroethene	U	550.00	ug/kg	U
1,2-Dichloroethane	U	550.00	ug/kg	U
1,2-Dichloroethene (Total)	U	550.00	ug/kg	U
1,2-Dichloropropane	U	550.00	ug/kg	U
2-Butanone	U	550.00	ug/kg	U
2-Hexanone	U	550.00	ug/kg	UJ
4-Methyl-2-pentanone		7700.00	ug/kg	J
Acetone	J	550.00	ug/kg	UJ
Benzene	U	550.00	ug/kg	U
Bromodichloromethane	U	550.00	ug/kg	U
Bromoform	U	550.00	ug/kg	U
Bromomethane	U	550.00	ug/kg	U
Carbon Tetrachloride	U	550.00	ug/kg	U
Carbon disulfide	U	550.00	ug/kg	U
Chlorobenzene	U	550.00	ug/kg	U
Chloroethane	U	550.00	ug/kg	U
Chloroform	U	550.00	ug/kg	U
Chloromethane	U	550.00	ug/kg	U
Dibromochloromethane	U	550.00	ug/kg	U
Ethylbenzene	J	380.00	ug/kg	J
Methylene chloride	U	550.00	ug/kg	U
Styrene	J	55.00	ug/kg	J
Tetrachloroethene	U	550.00	ug/kg	U
Toluene		1800.00	ug/kg	-
Trichloroethene	U	550.00	ug/kg	U
Trichlorofluoromethane				
Vinyl chloride	U	550.00	ug/kg	U
Xylenes, Total		3100.00	ug/kg	-
cis-1,3-Dichloropropene	U	550.00	ug/kg	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	550.00	ug/kg	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	11000.00	ug/kg	U
1,2-Dichlorobenzene	U	11000.00	ug/kg	U
1,3-Dichlorobenzene	U	11000.00	ug/kg	U
1,4-Dichlorobenzene	U	11000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	11000.00	ug/kg	R
2,4,5-Trichlorophenol	U	11000.00	ug/kg	U
2,4,6-Trichlorophenol	U	11000.00	ug/kg	U

8300000368

C9 1 2 2

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	6D-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11000.00	ug/kg	U
2,4-Dimethylphenol	U	11000.00	ug/kg	U
2,4-Dinitrophenol	U	26000.00	ug/kg	U
2,4-Dinitrotoluene	U	11000.00	ug/kg	U
2,6-Dinitrotoluene	U	11000.00	ug/kg	U
2-Chloronaphthalene	U	11000.00	ug/kg	U
2-Chlorophenol	U	11000.00	ug/kg	U
2-Methylnaphthalene	J	66.00	ug/kg	J
2-Nitroaniline	U	11000.00	ug/kg	UJ
2-Nitrophenol	U	11000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	11000.00	ug/kg	U
3-Nitroaniline	U	11000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	11000.00	ug/kg	U
4-Chloro-3-methylphenol	U	11000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	11000.00	ug/kg	U
4-Nitroaniline	U	26000.00	ug/kg	U
4-Nitrophenol	U	26000.00	ug/kg	U
Acenaphthene	J	120.00	ug/kg	J
Acenaphthylene	U	11000.00	ug/kg	U
Anthracene	J	460.00	ug/kg	J
Benzo(a)anthracene	J	3600.00	ug/kg	J
Benzo(a)pyrene	J	4200.00	ug/kg	J
Benzo(b)fluoranthene	J	4000.00	ug/kg	J
Benzo(g,h,i)perylene	J	3000.00	ug/kg	J
Benzo(k)fluoranthene	J	4700.00	ug/kg	J
Butyl benzyl phthalate	U	11000.00	ug/kg	U
Carbazole	J	770.00	ug/kg	J
Chrysene	J	5900.00	ug/kg	J
Di-n-butyl phthalate	J	11000.00	ug/kg	U
Di-n-octyl phthalate	U	11000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	11000.00	ug/kg	U
Dibenzofuran	J	130.00	ug/kg	J
Diethyl phthalate	U	11000.00	ug/kg	U
Dimethyl phthalate	U	11000.00	ug/kg	U
Fluoranthene		11000.00	ug/kg	-
Fluorene	J	11000.00	ug/kg	U
Hexachlorobenzene	U	11000.00	ug/kg	U
Hexachlorobutadiene	U	11000.00	ug/kg	U
Hexachlorocyclopentadiene	U	11000.00	ug/kg	U
Hexachloroethane	U	11000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	2800.00	ug/kg	J
Isophorone	U	11000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	11000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	11000.00	ug/kg	U
Naphthalene	U	11000.00	ug/kg	U

000359

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	6D-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11000.00	ug/kg	U
Pentachlorophenol	U	26000.00	ug/kg	UJ
Phenanthrene	J	4700.00	ug/kg	J
Phenol	U	11000.00	ug/kg	U
Pyrene	J	8800.00	ug/kg	J
Pyridine				
bis(2-Chloroethoxy)methane	U	11000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	11000.00	ug/kg	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate		28000.00	ug/kg	-
m-Methylphenol				
o-Methylphenol	U	11000.00	ug/kg	U
p-Chloroaniline	U	11000.00	ug/kg	R
p-Methylphenol (Cresol)	U	11000.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD	U	34.000	ug/kg	U
4,4'-DDE	U	34.000	ug/kg	U
4,4'-DDT	U	6.800	ug/kg	UJ
Aldrin	U	3.400	ug/kg	U
Aroclor-1016	U	68.000	ug/kg	U
Aroclor-1221	U	140.000	ug/kg	U
Aroclor-1232	U	68.000	ug/kg	U
Aroclor-1242	U	68.000	ug/kg	U
Aroclor-1248	U	68.000	ug/kg	U
Aroclor-1254	U	68.000	ug/kg	U
Aroclor-1260		530.000	ug/kg	-
Chlordane				
Dieldrin	U	34.000	ug/kg	U
Endosulfan II	U	6.800	ug/kg	U
Endosulfan sulfate	U	6.800	ug/kg	U
Endosulfan-I	U	3.400	ug/kg	U
Endrin	U	6.800	ug/kg	U
Endrin aldehyde	U	6.800	ug/kg	U
Endrin ketone	U	6.800	ug/kg	UJ
Heptachlor	U	3.400	ug/kg	U
Heptachlor epoxide	U	3.400	ug/kg	U
Methoxychlor		140.000	ug/kg	-
Toxaphene	U	340.000	ug/kg	U
alpha-BHC	U	3.400	ug/kg	U
alpha-Chlordane	U	3.400	ug/kg	U
beta-BHC	U	3.400	ug/kg	UJ
delta-BHC	U	3.400	ug/kg	U
gamma-BHC (Lindane)	U	17.000	ug/kg	U
gamma-Chlordane	U	3.400	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Tre
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6F-010

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone		16.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	J	1.00	ug/L	J
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	100.00	ug/L	U
1,2-Dichlorobenzene	U	100.00	ug/L	U
1,3-Dichlorobenzene	U	100.00	ug/L	U
1,4-Dichlorobenzene	U	100.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	100.00	ug/L	R
2,4,5-Trichlorophenol	U	250.00	ug/L	U
2,4,6-Trichlorophenol	U	100.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6F-010

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	100.00	ug/L	U
2,4-Dimethylphenol	U	100.00	ug/L	U
2,4-Dinitrophenol	U	250.00	ug/L	U
2,4-Dinitrotoluene	U	100.00	ug/L	U
2,6-Dinitrotoluene	U	100.00	ug/L	U
2-Chloronaphthalene	U	100.00	ug/L	U
2-Chlorophenol	U	100.00	ug/L	U
2-Methylnaphthalene	U	100.00	ug/L	U
2-Nitroaniline	U	250.00	ug/L	U
2-Nitrophenol	U	100.00	ug/L	U
3,3'-Dichlorobenzidine	U	100.00	ug/L	U
3-Nitroaniline	U	250.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	250.00	ug/L	U
4-Bromophenyl phenyl ether	U	100.00	ug/L	U
4-Chloro-3-methylphenol	U	100.00	ug/L	U
4-Chlorophenylphenyl ether	U	100.00	ug/L	U
4-Nitroaniline	U	250.00	ug/L	U
4-Nitrophenol	U	250.00	ug/L	U
Acenaphthene	U	100.00	ug/L	U
Acenaphthylene	U	100.00	ug/L	U
Anthracene	U	100.00	ug/L	U
Benzo(a)anthracene	U	100.00	ug/L	U
Benzo(a)pyrene	U	100.00	ug/L	U
Benzo(b)fluoranthene	U	100.00	ug/L	U
Benzo(g,h,i)perylene	U	100.00	ug/L	U
Benzo(k)fluoranthene	U	100.00	ug/L	U
Butyl benzyl phthalate	U	100.00	ug/L	U
Carbazole	U	100.00	ug/L	U
Chrysene	U	100.00	ug/L	U
Di-n-butyl phthalate	U	100.00	ug/L	U
Di-n-octyl phthalate	U	100.00	ug/L	U
Dibenzo(a,h)anthracene	U	100.00	ug/L	U
Dibenzofuran	U	100.00	ug/L	U
Diethyl phthalate	U	100.00	ug/L	U
Dimethyl phthalate	U	100.00	ug/L	U
Fluoranthene	U	100.00	ug/L	U
Fluorene	U	100.00	ug/L	U
Hexachlorobenzene	U	100.00	ug/L	U
Hexachlorobutadiene	U	100.00	ug/L	U
Hexachlorocyclopentadiene	U	100.00	ug/L	U
Hexachloroethane	U	100.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	100.00	ug/L	U
Isophorone	U	100.00	ug/L	U
N-Nitroso-di-n-propylamine	U	100.00	ug/L	U
N-Nitrosodiphenylamine	U	100.00	ug/L	U
Naphthalene	U	100.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	6F-010

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	100.00	ug/L	U
Pentachlorophenol	U	250.00	ug/L	U
Phenanthrene	U	100.00	ug/L	U
Phenol	U	100.00	ug/L	U
Pyrene	U	100.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	100.00	ug/L	U
bis(2-Chloroethyl)ether	U	100.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	13.00	ug/L	J
m-Methylphenol				
o-Methylphenol	U	100.00	ug/L	U
p-Chloroaniline	U	100.00	ug/L	U
p-Methylphenol (Cresol)	U	100.00	ug/L	U
esticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				SEDIMENT				LOOSE MEDIA			
Depth:																
Process Area:	1				5				5				7			
Sample:	8A-007				8A-032				8A-034				8A-044			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
2-Butanone	U	10.00	ug/kg	U		15.00	ug/L	U		140.00	ug/kg	J	U	10.00	ug/kg	U
2-Hexanone	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
Acetone		16.00	ug/kg	UJ		19.00	ug/L	U		52.00	ug/kg	J	B	12.00	ug/kg	UJ
Benzene	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
Chloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	J	4.00	ug/kg	J	U	10.00	ug/kg	U
Methylene chloride	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	J	3.00	ug/kg	J
Styrene	U	10.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/kg	UJ	J	1.00	ug/L	J	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U
Toluene	U	10.00	ug/kg	UJ	J	10.00	ug/L	U	J	8.00	ug/kg	J		27.00	ug/kg	-
Trichloroethene	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Trichlorofluoromethane					U	10.00	ug/L	U								
Vinyl chloride	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/kg	UJ	U	10.00	ug/L	U		31.00	ug/kg	J	U	10.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/L	U	U	10.00	ug/kg	U	U	10.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
1,2-Dichlorobenzene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
1,3-Dichlorobenzene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
1,4-Dichlorobenzene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2,4,5-Trichlorophenol	U	860.00	ug/kg	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
2,4,6-Trichlorophenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	13				13				16			
Sample:	8A-088				8A-090				8A-101			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1,2-Trichloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1-Dichloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1-Dichloroethene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloroethene (Total)	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloropropane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
2-Butanone	U	14.00	ug/kg	UJ		25.00	ug/L	U	U	17.00	ug/kg	UJ
2-Hexanone	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	UJ
4-Methyl-2-pentanone	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Acetone	J	14.00	ug/kg	UJ		13.00	ug/L	U		20.00	ug/kg	UJ
Benzene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromodichloromethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromoform	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromomethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Carbon Tetrachloride	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Carbon disulfide	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chlorobenzene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloroethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloroform	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloromethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Dibromochloromethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Ethylbenzene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Methylene chloride	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Styrene	U	14.00	ug/kg	UJ	J	1.00	ug/L	J	U	17.00	ug/kg	U
Tetrachloroethene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Toluene		20.00	ug/kg	J	J	10.00	ug/L	U	J	17.00	ug/kg	U
Trichloroethene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Trichlorofluoromethane	U	14.00	ug/kg	UJ	U	10.00	ug/L	U				
Vinyl chloride	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Xylenes, Total	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	J	9.00	ug/kg	J
cis-1,3-Dichloropropene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	17.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
1,2-Dichlorobenzene	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
1,3-Dichlorobenzene	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
1,4-Dichlorobenzene	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
2,4,5-Trichlorophenol	U	1200.00	ug/kg	U	U	25.00	ug/L	U	U	1300.00	ug/kg	U
2,4,6-Trichlorophenol	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				SEDIMENT				LOOSE MEDIA			
Depth:																
Process Area:	1				5				5				7			
Sample:	8A-007				8A-032				8A-034				8A-044			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2,4-Dimethylphenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2,4-Dinitrophenol	U	860.00	ug/kg	U	U	25.00	ug/L	UJ	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
2,4-Dinitrotoluene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2,6-Dinitrotoluene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2-Chloronaphthalene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2-Chlorophenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
2-Methylnaphthalene	U	350.00	ug/kg	U	U	10.00	ug/L	U	J	160.00	ug/kg	J	U	31000.00	ug/kg	U
2-Nitroaniline	U	860.00	ug/kg	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
2-Nitrophenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	350.00	ug/kg	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	UJ
3-Nitroaniline	U	860.00	ug/kg	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	860.00	ug/kg	UJ	U	25.00	ug/L	UJ	U	800.00	ug/kg	U	U	77000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	350.00	ug/kg	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
4-Nitroaniline	U	860.00	ug/kg	U	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
4-Nitrophenol	U	860.00	ug/kg	U	J	7.00	ug/L	J	U	800.00	ug/kg	U	U	77000.00	ug/kg	U
Acenaphthene	U	350.00	ug/kg	U	U	10.00	ug/L	U	J	260.00	ug/kg	J	U	31000.00	ug/kg	U
Acenaphthylene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Anthracene	U	350.00	ug/kg	UJ	U	10.00	ug/L	U		340.00	ug/kg	-	U	31000.00	ug/kg	UJ
Benzo(a)anthracene	J	18.00	ug/kg	J	U	10.00	ug/L	U		1700.00	ug/kg	-	J	320.00	ug/kg	J
Benzo(a)pyrene	J	27.00	ug/kg	J	U	10.00	ug/L	U	D	1800.00	ug/kg	-	J	240.00	ug/kg	J
Benzo(b)fluoranthene	J	23.00	ug/kg	J	U	10.00	ug/L	U	D	3200.00	ug/kg	-	J	240.00	ug/kg	J
Benzo(g,h,i)perylene	J	31.00	ug/kg	J	U	10.00	ug/L	U	D	940.00	ug/kg	-	J	250.00	ug/kg	J
Benzo(k)fluoranthene	J	18.00	ug/kg	J	U	10.00	ug/L	U	D	900.00	ug/kg	-	J	340.00	ug/kg	J
Butyl benzyl phthalate	J	120.00	ug/kg	J	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	UJ
Carbazole	U	350.00	ug/kg	UJ	U	10.00	ug/L	U		470.00	ug/kg	-	U	31000.00	ug/kg	UJ
Chrysene	J	45.00	ug/kg	J	U	10.00	ug/L	U		2500.00	ug/kg	-	J	480.00	ug/kg	J
Di-n-butyl phthalate	J	120.00	ug/kg	J	U	10.00	ug/L	U		800.00	ug/kg	-	J	2900.00	ug/kg	J
Di-n-octyl phthalate	J	120.00	ug/kg	J	U	10.00	ug/L	U	DJ	160.00	ug/kg	J	J	180.00	ug/kg	J
Dibenzo(a,h)anthracene	U	350.00	ug/kg	UJ	U	10.00	ug/L	U	U	660.00	ug/kg	U	U	31000.00	ug/kg	U
Dibenzofuran	U	350.00	ug/kg	U	U	10.00	ug/L	U	J	290.00	ug/kg	J	U	31000.00	ug/kg	U
Diethyl phthalate	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Dimethyl phthalate	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Fluoranthene	J	66.00	ug/kg	J	U	10.00	ug/L	U	D	4200.00	ug/kg	-	J	650.00	ug/kg	J
Fluorene	U	350.00	ug/kg	U	U	10.00	ug/L	U	J	260.00	ug/kg	J	U	31000.00	ug/kg	U
Hexachlorobenzene	U	350.00	ug/kg	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	UJ
Hexachlorobutadiene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Hexachlorocyclopentadiene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Hexachloroethane	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	20.00	ug/kg	J	U	10.00	ug/L	U	D	1300.00	ug/kg	-	J	220.00	ug/kg	J
Isophorone	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
N-Nitrosodiphenylamine	U	350.00	ug/kg	UJ	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	UJ
Naphthalene	U	350.00	ug/kg	U	U	10.00	ug/L	U	J	260.00	ug/kg	J	U	31000.00	ug/kg	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA			UNKNOWN LIQUID			LOOSE MEDIA		
Depth:									
Process Area:	13			13			16		
Sample:	8A-088			8A-090			8A-101		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol	J	48.00	ug/kg J	U	10.00	ug/L U	U	550.00	ug/kg U
2,4-Dimethylphenol	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
2,4-Dinitrophenol	U	1200.00	ug/kg UJ	U	25.00	ug/L UJ	U	1300.00	ug/kg R
2,4-Dinitrotoluene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
2,6-Dinitrotoluene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
2-Chloronaphthalene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
2-Chlorophenol	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
2-Methylnaphthalene	U	490.00	ug/kg U	U	10.00	ug/L U		6300.00	ug/kg -
2-Nitroaniline	U	1200.00	ug/kg U	U	25.00	ug/L U	U	1300.00	ug/kg U
2-Nitrophenol	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
3,3'-Dichlorobenzidine	U	490.00	ug/kg UJ	U	10.00	ug/L U	U	550.00	ug/kg R
3-Nitroaniline	U	1200.00	ug/kg U	U	25.00	ug/L U	U	1300.00	ug/kg UJ
4,6-Dinitro-2-methylphenol	U	1200.00	ug/kg U	U	25.00	ug/L U	U	1300.00	ug/kg UJ
4-Bromophenyl phenyl ether	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
4-Chloro-3-methylphenol	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
4-Chlorophenylphenyl ether	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
4-Nitroaniline	U	1200.00	ug/kg U	U	25.00	ug/L U	U	1300.00	ug/kg R
4-Nitrophenol	U	1200.00	ug/kg U	U	25.00	ug/L U	R	1300.00	ug/kg R
Acenaphthene	J	110.00	ug/kg J	U	10.00	ug/L U	J	470.00	ug/kg J
Acenaphthylene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Anthracene	J	200.00	ug/kg J	U	10.00	ug/L U	J	410.00	ug/kg J
Benzo(a)anthracene		1000.00	ug/kg J	U	10.00	ug/L U		4900.00	ug/kg -
Benzo(a)pyrene		1400.00	ug/kg J	U	10.00	ug/L U		2700.00	ug/kg -
Benzo(b)fluoranthene		2200.00	ug/kg J	U	10.00	ug/L U		6000.00	ug/kg -
Benzo(g,h,i)perylene		830.00	ug/kg J	U	10.00	ug/L U		1900.00	ug/kg -
Benzo(k)fluoranthene		950.00	ug/kg J	U	10.00	ug/L U		1400.00	ug/kg -
Butyl benzyl phthalate		490.00	ug/kg J	U	10.00	ug/L U	U	550.00	ug/kg U
Carbazole	J	220.00	ug/kg J	U	10.00	ug/L U		570.00	ug/kg -
Chrysene		1600.00	ug/kg J	U	10.00	ug/L U		3600.00	ug/kg -
Di-n-butyl phthalate	B	3500.00	ug/kg U		13.00	ug/L U		4600.00	ug/kg -
Di-n-octyl phthalate	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Dibenzo(a,h)anthracene	J	240.00	ug/kg J	U	10.00	ug/L U	J	510.00	ug/kg J
Dibenzofuran	J	130.00	ug/kg J	U	10.00	ug/L U	J	410.00	ug/kg J
Diethyl phthalate	U	490.00	ug/kg U	J	10.00	ug/L U	U	550.00	ug/kg U
Dimethyl phthalate	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Fluoranthene		3300.00	ug/kg J	U	10.00	ug/L U		6500.00	ug/kg -
Fluorene	J	150.00	ug/kg J	U	10.00	ug/L U	J	540.00	ug/kg J
Hexachlorobenzene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Hexachlorobutadiene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Hexachlorocyclopentadiene	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Hexachloroethane	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Indeno(1,2,3-cd)pyrene		980.00	ug/kg J	U	10.00	ug/L U		2000.00	ug/kg -
Isophorone	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
N-Nitroso-di-n-propylamine	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
N-Nitrosodiphenylamine	U	490.00	ug/kg U	U	10.00	ug/L U	U	550.00	ug/kg U
Naphthalene	J	95.00	ug/kg J	J	0.60	ug/L J		1600.00	ug/kg -

Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				SEDIMENT				LOOSE MEDIA			
Depth:																
Process Area:	1				5				5				7			
Sample:	8A-007				8A-032				8A-034				8A-044			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Pentachlorophenol	U	860.00	ug/kg	UJ	U	25.00	ug/L	U	U	800.00	ug/kg	U	U	77000.00	ug/kg	UJ
Phenanthrene	J	45.00	ug/kg	J	U	10.00	ug/L	U	D	4400.00	ug/kg	-	J	540.00	ug/kg	J
Phenol	U	350.00	ug/kg	U	J	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Pyrene	J	69.00	ug/kg	J	U	10.00	ug/L	U	D	4300.00	ug/kg	-	J	650.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	E	8600.00	ug/kg	J	U	10.00	ug/L	U	BE	4200.00	ug/kg	U	E	130000.00	ug/kg	J
m-Methylphenol																
o-Methylphenol	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
p-Chloroaniline	U	350.00	ug/kg	U	U	10.00	ug/L	R	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
p-Methylphenol (Cresol)	U	350.00	ug/kg	U	U	10.00	ug/L	U	U	330.00	ug/kg	U	U	31000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	13				13				16			
Sample:	8A-088				8A-090				8A-101			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
Pentachlorophenol	U	1200.00	ug/kg	U	U	25.00	ug/L	U	U	1300.00	ug/kg	U
Phenanthrene		2200.00	ug/kg	J	U	10.00	ug/L	U		6300.00	ug/kg	-
Phenol	J	490.00	ug/kg	U	J	10.00	ug/L	U	J	540.00	ug/kg	J
Pyrene		3600.00	ug/kg	J	U	10.00	ug/L	U	D	7800.00	ug/kg	-
Pyridine												
bis(2-Chloroethoxy)methane	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
bis(2-Chloroethyl)ether	U	490.00	ug/kg	U	U	10.00	ug/L	U	U	550.00	ug/kg	U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	BD	560000.00	ug/kg	-	J	10.00	ug/L	U	D	18000.00	ug/kg	-
m-Methylphenol												
o-Methylphenol	J	150.00	ug/kg	J	U	10.00	ug/L	U		1300.00	ug/kg	J
p-Chloroaniline	U	490.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	550.00	ug/kg	U
p-Methylphenol (Cresol)	U	490.00	ug/kg	U	U	10.00	ug/L	U	UJ	550.00	ug/kg	UJ
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				2				3				3			
Sample:	9A-007				9A-012				9A-020				9A-022			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U		16.00	ug/kg	-
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	U	10.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U				
1,2-Dichloropropane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
2-Butanone		13.00	ug/kg	UJ	U	10.00	ug/kg	UJ		52.00	ug/L	U		11.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	U	10.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ		20.00	ug/L	-		40.00	ug/kg	J
Acetone	B	110.00	ug/kg	UJ	U	10.00	ug/kg	UJ	B	320.00	ug/L	R		51.00	ug/kg	R
Benzene		18.00	ug/kg	J	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	UJ	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	U	10.00	ug/kg	UJ
Chloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	UJ	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	UJ	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	J	1.00	ug/kg	J
Methylene chloride	BJ	10.00	ug/kg	UJ	BJ	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Styrene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	U	10.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	U	20.00	ug/L	U	U	10.00	ug/kg	UJ
Toluene	J	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	J	20.00	ug/L	U	J	10.00	ug/kg	UJ
Trichloroethene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Trichlorofluoromethane	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Vinyl chloride	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/kg	UJ	U	10.00	ug/kg	UJ	J	8.00	ug/L	J	J	9.00	ug/kg	J
cis-1,3-Dichloropropene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	U	U	10.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene													U	10.00	ug/kg	U
trans-1,3-Dichloropropene	U	10.00	ug/kg	UJ	U	10.00	ug/kg	U	U	20.00	ug/L	UJ	U	10.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U		22.00	ug/L	-	U	330.00	ug/kg	U
1,2-Dichlorobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
1,3-Dichlorobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
1,4-Dichlorobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	330.00	ug/kg	UJ	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	U	330.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	800.00	ug/kg	U	U	800.00	ug/kg	U	U	29.00	ug/L	U	U	790.00	ug/kg	U
2,4,6-Trichlorophenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U

00900

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	4
Sample:	9A-026

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	50.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	50.00	ug/L	U
1,1,2-Trichloroethane	U	50.00	ug/L	U
1,1-Dichloroethane	U	50.00	ug/L	U
1,1-Dichloroethene	U	50.00	ug/L	U
1,2-Dichloroethane	U	50.00	ug/L	U
1,2-Dichloroethene (Total)	U	50.00	ug/L	U
1,2-Dichloropropane	U	50.00	ug/L	U
2-Butanone	J	50.00	ug/L	U
2-Hexanone	U	50.00	ug/L	U
4-Methyl-2-pentanone	U	50.00	ug/L	U
Acetone	B	450.00	ug/L	R
Benzene	U	50.00	ug/L	U
Bromodichloromethane	U	50.00	ug/L	U
Bromoform	U	50.00	ug/L	U
Bromomethane	U	50.00	ug/L	U
Carbon Tetrachloride	U	50.00	ug/L	U
Carbon disulfide	U	50.00	ug/L	UJ
Chlorobenzene	U	50.00	ug/L	U
Chloroethane	U	50.00	ug/L	UJ
Chloroform	U	50.00	ug/L	U
Chloromethane	U	50.00	ug/L	UJ
Dibromochloromethane	U	50.00	ug/L	U
Ethylbenzene	U	50.00	ug/L	U
Methylene chloride	U	50.00	ug/L	U
Styrene	U	50.00	ug/L	U
Tetrachloroethene	U	50.00	ug/L	U
Toluene	U	50.00	ug/L	U
Trichloroethene	U	50.00	ug/L	U
Trichlorofluoromethane	U	50.00	ug/L	U
Vinyl chloride	U	50.00	ug/L	U
Xylenes, Total	U	50.00	ug/L	U
cis-1,3-Dichloropropene	U	50.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	50.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ
2,4,5-Trichlorophenol	U	26.00	ug/L	R
2,4,6-Trichlorophenol	U	10.00	ug/L	R

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				2				3				3			
Sample:	9A-007				9A-012				9A-020				9A-022			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2,4-Dimethylphenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	J	4.00	ug/L	J	J	140.00	ug/kg	J
2,4-Dinitrophenol	U	800.00	ug/kg	R	U	800.00	ug/kg	R	U	29.00	ug/L	U	U	790.00	ug/kg	R
2,4-Dinitrotoluene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2,6-Dinitrotoluene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2-Chloronaphthalene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2-Chlorophenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
2-Methylnaphthalene	U	330.00	ug/kg	UJ	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	BD	4900.00	ug/kg	U
2-Nitroaniline	U	800.00	ug/kg	U	U	800.00	ug/kg	U	U	29.00	ug/L	U	U	790.00	ug/kg	U
2-Nitrophenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
3,3'-Dichlorobenzidine	U	330.00	ug/kg	R	U	330.00	ug/kg	R	U	11.00	ug/L	U	U	3300.00	ug/kg	UJ
3-Nitroaniline	U	800.00	ug/kg	R	U	800.00	ug/kg	R	U	29.00	ug/L	U	U	790.00	ug/kg	R
4,6-Dinitro-2-methylphenol	U	800.00	ug/kg	UJ	U	800.00	ug/kg	UJ	U	29.00	ug/L	U	U	7900.00	ug/kg	U
4-Bromophenyl phenyl ether	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	3300.00	ug/kg	U
4-Chloro-3-methylphenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
4-Chlorophenylphenyl ether	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
4-Nitroaniline	U	800.00	ug/kg	UJ	U	800.00	ug/kg	UJ	U	29.00	ug/L	U	U	790.00	ug/kg	UJ
4-Nitrophenol	U	800.00	ug/kg	U	U	800.00	ug/kg	U	U	29.00	ug/L	U	U	790.00	ug/kg	U
Acenaphthene	U	330.00	ug/kg	U	J	110.00	ug/kg	J	U	11.00	ug/L	U	D	17000.00	ug/kg	-
Acenaphthylene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	J	260.00	ug/kg	J
Anthracene	U	330.00	ug/kg	U	J	170.00	ug/kg	J	J	4.00	ug/L	J	D	37000.00	ug/kg	-
Benzo(a)anthracene	U	330.00	ug/kg	U	U	330.00	ug/kg	UJ	J	1.00	ug/L	J	D	61000.00	ug/kg	-
Benzo(a)pyrene	U	330.00	ug/kg	U	J	300.00	ug/kg	J	U	11.00	ug/L	U	D	44000.00	ug/kg	-
Benzo(b)fluoranthene	U	330.00	ug/kg	U	J	390.00	ug/kg	J	U	11.00	ug/L	U	D	66000.00	ug/kg	-
Benzo(g,h,i)perylene	U	330.00	ug/kg	U		670.00	ug/kg	J	U	11.00	ug/L	U	D	15000.00	ug/kg	-
Benzo(k)fluoranthene	U	330.00	ug/kg	U	J	180.00	ug/kg	J	U	11.00	ug/L	U	D	11000.00	ug/kg	-
Butyl benzyl phthalate	J	87.00	ug/kg	J	U	330.00	ug/kg	UJ		15.00	ug/L	-	D	8700.00	ug/kg	-
Carbazole	U	330.00	ug/kg	UJ	U	330.00	ug/kg	U	U	11.00	ug/L	U	D	24000.00	ug/kg	-
Chrysene	J	71.00	ug/kg	J	J	270.00	ug/kg	J	U	11.00	ug/L	U	D	4400.00	ug/kg	-
Di-n-butyl phthalate	J	240.00	ug/kg	J	J	94.00	ug/kg	J	J	5.00	ug/L	J	D	42000.00	ug/kg	-
Di-n-octyl phthalate	J	190.00	ug/kg	J	U	330.00	ug/kg	UJ	J	4.00	ug/L	J	DJ	590.00	ug/kg	J
Dibenzo(a,h)anthracene	U	330.00	ug/kg	U	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	D	8000.00	ug/kg	-
Dibenzofuran	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	D	13000.00	ug/kg	-
Diethyl phthalate	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Dimethyl phthalate	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Fluoranthene	J	140.00	ug/kg	J		330.00	ug/kg	-	J	4.00	ug/L	J	D	180000.00	ug/kg	-
Fluorene	U	330.00	ug/kg	U	J	99.00	ug/kg	J	U	11.00	ug/L	U	D	19000.00	ug/kg	-
Hexachlorobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	3300.00	ug/kg	U
Hexachlorobutadiene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Hexachlorocyclopentadiene	U	330.00	ug/kg	UJ	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	U	330.00	ug/kg	UJ
Hexachloroethane	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	330.00	ug/kg	U	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	D	25000.00	ug/kg	-
Isophorone	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
N-Nitrosodiphenylamine	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	3300.00	ug/kg	U
Naphthalene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	D	6400.00	ug/kg	-

206902

206902

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	4
Sample:	9A-026

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	R
2,4-Dimethylphenol		24.00	ug/L	J
2,4-Dinitrophenol	U	26.00	ug/L	R
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	UJ
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	26.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	R
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	26.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	R
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	R
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	26.00	ug/L	U
4-Nitrophenol	U	26.00	ug/L	R
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				2				3				3			
Sample:	9A-007				9A-012				9A-020				9A-022			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Pentachlorophenol	U	800.00	ug/kg	UJ	U	800.00	ug/kg	UJ	U	29.00	ug/L	U	U	7900.00	ug/kg	U
Phenanthrene	J	120.00	ug/kg	J		770.00	ug/kg	-	J	4.00	ug/L	J	D	180000.00	ug/kg	-
Phenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	J	4.00	ug/L	J		640.00	ug/kg	-
Pyrene	J	150.00	ug/kg	J	J	870.00	ug/kg	J	J	4.00	ug/L	J	D	100000.00	ug/kg	-
Pyridine																
bis(2-Chloroethoxy)methane	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
bis(2-Chloroethyl)ether	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	D	5700.00	ug/kg	-	J	550.00	ug/kg	J		46.00	ug/L	-	D	23000.00	ug/kg	-
m-Methylphenol																
o-Methylphenol	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
p-Chloroaniline	U	330.00	ug/kg	UJ	U	330.00	ug/kg	UJ	U	11.00	ug/L	U	U	330.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	330.00	ug/kg	U	U	330.00	ug/kg	U	U	11.00	ug/L	U	U	330.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

060904

3212

Appendix L.3 - Additional Data
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	4
Sample:	9A-026

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	26.00	ug/L	R
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	R
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	J	7.00	ug/L	J
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	R
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	10D-004

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone	E	520.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone		48.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride		78.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene		29.00	ug/L	J
Toluene		11.00	ug/L	J
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	10D-004

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	R
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	UJ
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	BJ	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	10D-004

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD	U	0.110	ug/L	UJ
4,4'-DDE	U	0.110	ug/L	UJ
4,4'-DDT	U	0.110	ug/L	UJ
Aldrin	U	0.056	ug/L	UJ
Aroclor-1016	U	1.100	ug/L	UJ
Aroclor-1221	U	2.200	ug/L	UJ
Aroclor-1232	U	1.100	ug/L	UJ
Aroclor-1242	U	1.100	ug/L	UJ
Aroclor-1248	U	1.100	ug/L	UJ
Aroclor-1254	U	1.100	ug/L	UJ
Aroclor-1260	U	1.100	ug/L	UJ
Chlordane				
Dieldrin	U	0.110	ug/L	UJ
Endosulfan II	U	0.110	ug/L	UJ
Endosulfan sulfate	U	0.110	ug/L	UJ
Endosulfan-I	U	0.056	ug/L	UJ
Endrin	U	0.110	ug/L	UJ
Endrin aldehyde	U	0.110	ug/L	UJ
Endrin ketone	U	0.110	ug/L	UJ
Heptachlor	U	0.056	ug/L	UJ
Heptachlor epoxide	U	0.056	ug/L	UJ
Methoxychlor	U	0.560	ug/L	UJ
Toxaphene	U	5.600	ug/L	UJ
alpha-BHC	U	0.056	ug/L	UJ
alpha-Chlordane	U	0.056	ug/L	UJ
beta-BHC	U	0.056	ug/L	UJ
delta-BHC	U	0.056	ug/L	UJ
gamma-BHC (Lindane)	U	0.056	ug/L	UJ
gamma-Chlordane	U	0.056	ug/L	UJ

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 12A - Main Maintenance Buildin
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	12A-037

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane		21.00	ug/kg	-
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/kg	U
2-Butanone	U	10.00	ug/kg	U
2-Hexanone	U	10.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/kg	UJ
Acetone	B	19.00	ug/kg	R
Benzene	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/kg	UJ
Bromomethane	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	UJ
Chloroethane	U	10.00	ug/kg	U
Chloroform	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/kg	UJ
Methylene chloride	U	10.00	ug/kg	UJ
Styrene	U	10.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/kg	UJ
Toluene	J	10.00	ug/kg	UJ
Trichloroethene	U	10.00	ug/kg	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/kg	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/kg	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	330.00	ug/kg	U
1,2-Dichlorobenzene	U	330.00	ug/kg	U
1,3-Dichlorobenzene	U	330.00	ug/kg	U
1,4-Dichlorobenzene	U	330.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	330.00	ug/kg	U
2,4,5-Trichlorophenol	U	790.00	ug/kg	U
2,4,6-Trichlorophenol	U	330.00	ug/kg	U

GD00900

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	12A-037

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	330.00	ug/kg	U
2,4-Dimethylphenol	U	330.00	ug/kg	U
2,4-Dinitrophenol	U	790.00	ug/kg	U
2,4-Dinitrotoluene	U	330.00	ug/kg	U
2,6-Dinitrotoluene	U	330.00	ug/kg	U
2-Chloronaphthalene	U	330.00	ug/kg	U
2-Chlorophenol	U	330.00	ug/kg	U
2-Methylnaphthalene	U	330.00	ug/kg	U
2-Nitroaniline	U	790.00	ug/kg	U
2-Nitrophenol	U	330.00	ug/kg	U
3,3'-Dichlorobenzidine	U	330.00	ug/kg	U
3-Nitroaniline	U	790.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	790.00	ug/kg	U
4-Bromophenyl phenyl ether	U	330.00	ug/kg	U
4-Chloro-3-methylphenol	U	330.00	ug/kg	U
4-Chlorophenylphenyl ether	U	330.00	ug/kg	U
4-Nitroaniline	U	790.00	ug/kg	U
4-Nitrophenol	U	790.00	ug/kg	U
Acenaphthene	U	330.00	ug/kg	U
Acenaphthylene	J	55.00	ug/kg	J
Anthracene	J	180.00	ug/kg	J
Benzo(a)anthracene	J	260.00	ug/kg	J
Benzo(a)pyrene		730.00	ug/kg	-
Benzo(b)fluoranthene		880.00	ug/kg	-
Benzo(g,h,i)perylene	U	330.00	ug/kg	U
Benzo(k)fluoranthene	U	330.00	ug/kg	U
Butyl benzyl phthalate	U	330.00	ug/kg	U
Carbazole	J	63.00	ug/kg	J
Chrysene		370.00	ug/kg	-
Di-n-butyl phthalate	U	330.00	ug/kg	U
Di-n-octyl phthalate	U	330.00	ug/kg	U
Dibenzo(a,h)anthracene	U	330.00	ug/kg	U
Dibenzofuran	U	330.00	ug/kg	U
Diethyl phthalate	U	330.00	ug/kg	U
Dimethyl phthalate	U	330.00	ug/kg	U
Fluoranthene		580.00	ug/kg	-
Fluorene	U	330.00	ug/kg	U
Hexachlorobenzene	U	330.00	ug/kg	U
Hexachlorobutadiene	U	330.00	ug/kg	U
Hexachlorocyclopentadiene	U	330.00	ug/kg	U
Hexachloroethane	U	330.00	ug/kg	U
Indeno(1,2,3-cd)pyrene		390.00	ug/kg	-
Isophorone	U	330.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	330.00	ug/kg	U
N-Nitrosodiphenylamine	U	330.00	ug/kg	U
Naphthalene	U	330.00	ug/kg	U

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	12A-037

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	330.00	ug/kg	U
Pentachlorophenol	U	790.00	ug/kg	U
Phenanthrene	J	320.00	ug/kg	J
Phenol	U	330.00	ug/kg	U
Pyrene		740.00	ug/kg	-
Pyridine				
bis(2-Chloroethoxy)methane	U	330.00	ug/kg	U
bis(2-Chloroethyl)ether	U	330.00	ug/kg	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate		1900.00	ug/kg	-
m-Methylphenol				
o-Methylphenol	U	330.00	ug/kg	U
p-Chloroaniline	U	330.00	ug/kg	U
p-Methylphenol (Cresol)	U	330.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	13A-015				13A-016				13A-017 DUP				13A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane		56.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,1,2-Trichloroethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,1-Dichloroethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,1-Dichloroethene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,2-Dichloroethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,2-Dichloroethene (Total)	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,2-Dichloropropane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2-Butanone	U	25.00	ug/L	U		44.00	ug/L	-	U	10.00	ug/L	U	U	540.00	ug/kg	U
2-Hexanone	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
4-Methyl-2-pentanone	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Acetone		120.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	540.00	ug/kg	UJ
Benzene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Bromodichloromethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Bromoform	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Bromomethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Carbon Tetrachloride	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Carbon disulfide	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Chlorobenzene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Chloroethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Chloroform	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Chloromethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Dibromochloromethane	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Ethylbenzene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	500.00	ug/kg	J
Methylene chloride	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Styrene	J	17.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Tetrachloroethene		500.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Toluene	U	25.00	ug/L	U	J	4.00	ug/L	J	U	10.00	ug/L	U	U	540.00	ug/kg	U
Trichloroethene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Xylenes, Total	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U		3100.00	ug/kg	-
cis-1,3-Dichloropropene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
m,p-Xylene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U		1900.00	ug/kg	-
o-Xylene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U		1200.00	ug/kg	-
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	25.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	R
2,4,5-Trichlorophenol	U	250.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	12000.00	ug/kg	U
2,4,6-Trichlorophenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	2				3				3			
Sample:	13A-041				13A-073				13A-074			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane		1800.00	ug/L	R	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,1,2-Trichloroethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,1-Dichloroethane		200.00	ug/L	-	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,1-Dichloroethene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,2-Dichloroethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,2-Dichloroethene (Total)	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
1,2-Dichloropropane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
2-Butanone	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
2-Hexanone	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
4-Methyl-2-pentanone	JB	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Acetone		660.00	ug/L	J	U	10.00	ug/L	U	U	490.00	ug/kg	U
Benzene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Bromodichloromethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Bromoform	U	170.00	ug/L	U	U	10.00	ug/L	UJ	U	490.00	ug/kg	UJ
Bromomethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Carbon Tetrachloride	U	170.00	ug/L	UJ	U	10.00	ug/L	U	U	490.00	ug/kg	U
Carbon disulfide	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Chlorobenzene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Chloroethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Chloroform	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Chloromethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Dibromochloromethane	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Ethylbenzene	U	170.00	ug/L	U	U	10.00	ug/L	U	J	270.00	ug/kg	J
Methylene chloride	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Styrene	U	170.00	ug/L	U	U	10.00	ug/L	U	J	450.00	ug/kg	J
Tetrachloroethene	JB	170.00	ug/L	U		65.00	ug/L	-	J	290.00	ug/kg	J
Toluene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Trichloroethene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Trichlorofluoromethane	U	170.00	ug/L	U	U	10.00	ug/L	UJ	U	490.00	ug/kg	UJ
Vinyl chloride	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Xylenes, Total	U	170.00	ug/L	U	U	10.00	ug/L	U		2300.00	ug/kg	-
cis-1,3-Dichloropropene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	170.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	23000.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	13A-015				13A-016				13A-017 DUP				13A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2,4-Dimethylphenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2,4-Dinitrophenol	U	250.00	ug/L	UJ	J	0.10	ug/L	R	U	25.00	ug/L	R	U	31000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2-Chlorophenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	12000.00	ug/kg	UJ
2-Nitrophenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	12000.00	ug/kg	U
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	12000.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	250.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	31000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
4-Chloro-3-methylphenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	31000.00	ug/kg	R
4-Nitrophenol	U	250.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	31000.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	210.00	ug/kg	J
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	J	0.02	ug/L	J	U	10.00	ug/L	UJ	U	12000.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1200.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1800.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	640.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Butyl benzyl phthalate	JB	10.00	ug/L	U	U	10.00	ug/L	U	JB	10.00	ug/L	U	J	2500.00	ug/kg	J
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	12000.00	ug/kg	UJ
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1500.00	ug/kg	J
Di-n-butyl phthalate	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	12000.00	ug/kg	UJ
Di-n-octyl phthalate	J	0.30	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Dimethyl phthalate		14.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3700.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	12000.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	630.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	J	0.09	ug/L	J	U	10.00	ug/L	U	J	62.00	ug/kg	J

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Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	2				3				3			
Sample:	13A-041				13A-073				13A-074			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	R	U	25.00	ug/L	U	U	57000.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2-Methylnaphthalene	J	0.10	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	23000.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R	U	10.00	ug/L	U	U	23000.00	ug/kg	U
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	23000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	25.00	ug/L	U	U	57000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	57000.00	ug/kg	U
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	57000.00	ug/kg	U
Acenaphthene	J	0.20	ug/L	J	U	10.00	ug/L	U	J	700.00	ug/kg	J
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Anthracene	J	0.20	ug/L	J	U	10.00	ug/L	U	J	1100.00	ug/kg	J
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L	U	J	0.20	ug/L	J	J	2300.00	ug/kg	J
Benzo(b)fluoranthene	J	0.60	ug/L	J	U	10.00	ug/L	U	J	5400.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2600.00	ug/kg	J
Benzo(k)fluoranthene	J	0.20	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Butyl benzyl phthalate	J	2.00	ug/L	J	J	10.00	ug/L	U	J	790.00	ug/kg	J
Carbazole	J	0.70	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Chrysene	J	0.50	ug/L	J	U	10.00	ug/L	U	J	5000.00	ug/kg	J
Di-n-butyl phthalate	JB	10.00	ug/L	U	U	10.00	ug/L	U	JB	23000.00	ug/kg	U
Di-n-octyl phthalate	J	1.00	ug/L	J	J	0.60	ug/L	J	U	23000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Dibenzofuran	J	0.20	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Dimethyl phthalate	J	0.20	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Fluoranthene	J	1.00	ug/L	J	U	10.00	ug/L	U	J	11000.00	ug/kg	J
Fluorene	J	0.30	ug/L	J	U	10.00	ug/L	U	J	840.00	ug/kg	J
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2300.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Naphthalene	J	0.30	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	13A-015				13A-016				13A-017 DUP				13A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Pentachlorophenol	U	250.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	31000.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	J	0.06	ug/L	J	U	10.00	ug/L	UJ	J	2400.00	ug/kg	J
Phenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2700.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	12000.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	R	U	10.00	ug/L	R	U	12000.00	ug/kg	R
p-Methylphenol (Cresol)	U	100.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	12000.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	2				3				3			
Sample:	13A-041				13A-073				13A-074			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	57000.00	ug/kg	U
Phenanthrene	J	1.00	ug/L	J	U	10.00	ug/L	U	J	8500.00	ug/kg	J
Phenol	J	5.00	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Pyrene	J	1.00	ug/L	J	J	0.40	ug/L	J	J	8900.00	ug/kg	J
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	23000.00	ug/kg	U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	23000.00	ug/kg	U
m-Methylphenol												
o-Methylphenol	J	0.50	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	23000.00	ug/kg	UJ
p-Methylphenol (Cresol)	J	0.50	ug/L	J	U	10.00	ug/L	U	U	23000.00	ug/kg	U
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

00094

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	13D-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	500.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	500.00	ug/L	UJ
1,1,2-Trichloroethane	U	500.00	ug/L	UJ
1,1-Dichloroethane	U	500.00	ug/L	UJ
1,1-Dichloroethene	U	500.00	ug/L	UJ
1,2-Dichloroethane	U	500.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	500.00	ug/L	UJ
1,2-Dichloropropane	U	500.00	ug/L	UJ
2-Butanone	U	500.00	ug/L	UJ
2-Hexanone	U	500.00	ug/L	UJ
4-Methyl-2-pentanone	U	500.00	ug/L	UJ
Acetone	U	500.00	ug/L	UJ
Benzene	U	500.00	ug/L	UJ
Bromodichloromethane	U	500.00	ug/L	UJ
Bromoform	U	500.00	ug/L	UJ
Bromomethane	U	500.00	ug/L	UJ
Carbon Tetrachloride	U	500.00	ug/L	UJ
Carbon disulfide	U	500.00	ug/L	UJ
Chlorobenzene	U	500.00	ug/L	UJ
Chloroethane	U	500.00	ug/L	UJ
Chloroform	U	500.00	ug/L	UJ
Chloromethane	U	500.00	ug/L	UJ
Dibromochloromethane	U	500.00	ug/L	UJ
Ethylbenzene	U	500.00	ug/L	UJ
Methylene chloride	U	500.00	ug/L	UJ
Styrene	U	500.00	ug/L	UJ
Tetrachloroethene	U	500.00	ug/L	UJ
Toluene	U	500.00	ug/L	UJ
Trichloroethene	U	500.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	500.00	ug/L	UJ
Xylenes, Total	U	500.00	ug/L	UJ
cis-1,3-Dichloropropene	U	500.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	500.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ
1,2-Dichlorobenzene	U	11.00	ug/L	UJ
1,3-Dichlorobenzene	U	11.00	ug/L	UJ
1,4-Dichlorobenzene	U	11.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ

000348

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Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	13D-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	UJ
2,4-Dimethylphenol	U	11.00	ug/L	UJ
2,4-Dinitrophenol	U	26.00	ug/L	UJ
2,4-Dinitrotoluene	U	11.00	ug/L	UJ
2,6-Dinitrotoluene	U	11.00	ug/L	UJ
2-Chloronaphthalene	U	11.00	ug/L	UJ
2-Chlorophenol	U	11.00	ug/L	UJ
2-Methylnaphthalene	U	11.00	ug/L	UJ
2-Nitroaniline	U	26.00	ug/L	UJ
2-Nitrophenol	U	11.00	ug/L	UJ
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ
3-Nitroaniline	U	26.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ
4-Nitroaniline	U	26.00	ug/L	UJ
4-Nitrophenol	U	26.00	ug/L	UJ
Acenaphthene	U	11.00	ug/L	UJ
Acenaphthylene	U	11.00	ug/L	UJ
Anthracene	U	11.00	ug/L	UJ
Benzo(a)anthracene	U	11.00	ug/L	UJ
Benzo(a)pyrene	U	11.00	ug/L	UJ
Benzo(b)fluoranthene	J	1.00	ug/L	J
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ
Benzo(k)fluoranthene	J	1.00	ug/L	J
Butyl benzyl phthalate	U	11.00	ug/L	UJ
Carbazole	U	11.00	ug/L	UJ
Chrysene	J	1.00	ug/L	J
Di-n-butyl phthalate	U	11.00	ug/L	UJ
Di-n-octyl phthalate	U	11.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ
Dibenzofuran	U	11.00	ug/L	UJ
Diethyl phthalate	U	11.00	ug/L	UJ
Dimethyl phthalate	U	11.00	ug/L	UJ
Fluoranthene	J	3.00	ug/L	J
Fluorene	U	11.00	ug/L	UJ
Hexachlorobenzene	U	11.00	ug/L	UJ
Hexachlorobutadiene	U	11.00	ug/L	UJ
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ
Hexachloroethane	U	11.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ
Isophorone	U	11.00	ug/L	UJ
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ
Naphthalene	U	11.00	ug/L	UJ

000969

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	13D-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	UJ
Pentachlorophenol	U	26.00	ug/L	UJ
Phenanthrene	J	2.00	ug/L	J
Phenol	U	11.00	ug/L	UJ
Pyrene	J	2.00	ug/L	J
Pyridine				
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	J
m-Methylphenol				
o-Methylphenol	U	11.00	ug/L	UJ
p-Chloroaniline	U	11.00	ug/L	UJ
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				3			
Sample:	15A-010				15A-011 DUP				15A-013				15A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
2-Butanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
2-Hexanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Acetone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Benzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromoform	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromomethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Chlorobenzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroform	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Dibromochloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Ethylbenzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Methylene chloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Styrene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Tetrachloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Toluene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Trichloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Xylenes, Total	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ	U	18000.00	ug/kg	U	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
1,2-Dichlorobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
1,4-Dichlorobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
2,4,6-Trichlorophenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				3			
Sample:	15A-010				15A-011 DUP				15A-013				15A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2,4-Dimethylphenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2,4-Dinitrophenol	U	27.00	ug/L	UJ	U	26.00	ug/L	UJ	U	100000.00	ug/kg	UJ	U	28.00	ug/L	UJ
2,4-Dinitrotoluene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2,6-Dinitrotoluene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2-Chloronaphthalene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2-Chlorophenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2-Methylnaphthalene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
2-Nitroaniline	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
2-Nitrophenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
3,3'-Dichlorobenzidine	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
3-Nitroaniline	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
4-Bromophenyl phenyl ether	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
4-Chloro-3-methylphenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
4-Chlorophenylphenyl ether	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
4-Nitroaniline	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	UJ	U	28.00	ug/L	U
4-Nitrophenol	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
Acenaphthene	U	11.00	ug/L	U	U	10.00	ug/L	U	DJ	15000.00	ug/kg	J	U	11.00	ug/L	U
Acenaphthylene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Anthracene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	43000.00	ug/kg	-	U	11.00	ug/L	U
Benzo(a)anthracene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	73000.00	ug/kg	-	U	11.00	ug/L	U
Benzo(a)pyrene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	74000.00	ug/kg	-	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	81000.00	ug/kg	-	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	56000.00	ug/kg	-	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	69000.00	ug/kg	-	U	11.00	ug/L	U
Butyl benzyl phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Carbazole	U	11.00	ug/L	U	U	10.00	ug/L	U	DJ	20000.00	ug/kg	J	U	11.00	ug/L	U
Chrysene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	81000.00	ug/kg	-	U	11.00	ug/L	U
Di-n-butyl phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Di-n-octyl phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Dibenzo(a,h)anthracene	U	11.00	ug/L	U	U	10.00	ug/L	U	DJ	15000.00	ug/kg	J	U	11.00	ug/L	U
Dibenzofuran	U	11.00	ug/L	U	U	10.00	ug/L	U	DJ	12000.00	ug/kg	J	U	11.00	ug/L	U
Diethyl phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Dimethyl phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Fluoranthene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	190000.00	ug/kg	-	U	11.00	ug/L	U
Fluorene	U	11.00	ug/L	U	U	10.00	ug/L	U	DJ	19000.00	ug/kg	J	U	11.00	ug/L	U
Hexachlorobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Hexachlorobutadiene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Hexachloroethane	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	49000.00	ug/kg	-	U	11.00	ug/L	U
Isophorone	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
N-Nitrosodiphenylamine	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Naphthalene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				3			
Sample:	15A-010				15A-011 DUP				15A-013				15A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Pentachlorophenol	U	27.00	ug/L	U	U	26.00	ug/L	U	U	100000.00	ug/kg	U	U	28.00	ug/L	U
Phenanthrene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	170000.00	ug/kg	-	U	11.00	ug/L	U
Phenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Pyrene	U	11.00	ug/L	U	U	10.00	ug/L	U	D	170000.00	ug/kg	-	U	11.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U	U	10.00	ug/L	U	D	100000.00	ug/kg	-	U	11.00	ug/L	U
m-Methylphenol																
o-Methylphenol	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
p-Chloroaniline	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	11.00	ug/L	U	U	10.00	ug/L	U	U	42000.00	ug/kg	U	U	11.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	LOOSE MEDIA				WOOD			
Depth:								
Process Area:	1				1			
Sample:	16C-003				16C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	J	1.00	ug/kg	J	U	900.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	900.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
2-Butanone	U	10.00	ug/kg	U	U	900.00	ug/kg	U
2-Hexanone	U	10.00	ug/kg	U	U	900.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	900.00	ug/kg	UJ
Acetone		17.00	ug/kg	J	U	900.00	ug/kg	UJ
Benzene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Bromoform	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Bromomethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Carbon disulfide	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Chlorobenzene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Chloroethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Chloroform	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Chloromethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Ethylbenzene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Methylene chloride	J	1.00	ug/kg	J	U	900.00	ug/kg	U
Styrene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Tetrachloroethene	J	2.00	ug/kg	J	U	900.00	ug/kg	U
Toluene	J	10.00	ug/kg	U	U	900.00	ug/kg	U
Trichloroethene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Xylenes, Total	U	10.00	ug/kg	U	J	900.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	900.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
1,2-Dichlorobenzene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
1,3-Dichlorobenzene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
1,4-Dichlorobenzene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2,2-oxybis(1-Chloropropane)					U	340.00	ug/kg	U
2,4,5-Trichlorophenol	U	890.00	ug/kg	U	U	820.00	ug/kg	U
2,4,6-Trichlorophenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	LOOSE MEDIA				WOOD			
Depth:								
Process Area:	1				1			
Sample:	16C-003				16C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2,4-Dimethylphenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2,4-Dinitrophenol	U	890.00	ug/kg	UJ	U	820.00	ug/kg	U
2,4-Dinitrotoluene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2,6-Dinitrotoluene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2-Chloronaphthalene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2-Chlorophenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2-Methylnaphthalene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
2-Nitroaniline	U	890.00	ug/kg	U	U	820.00	ug/kg	U
2-Nitrophenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U
3,3'-Dichlorobenzidine	U	360.00	ug/kg	UJ	U	340.00	ug/kg	U
3-Nitroaniline	U	890.00	ug/kg	U	U	820.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	890.00	ug/kg	U	U	820.00	ug/kg	U
4-Bromophenyl phenyl ether	U	360.00	ug/kg	U	U	340.00	ug/kg	U
4-Chloro-3-methylphenol	U	360.00	ug/kg	U	U	340.00	ug/kg	U
4-Chlorophenylphenyl ether	U	360.00	ug/kg	U	U	340.00	ug/kg	U
4-Nitroaniline	U	890.00	ug/kg	UJ	U	820.00	ug/kg	U
4-Nitrophenol	U	890.00	ug/kg	U	U	820.00	ug/kg	U
Acenaphthene	J	220.00	ug/kg	J	U	340.00	ug/kg	U
Acenaphthylene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Anthracene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Benzo(a)anthracene		2200.00	ug/kg	-	J	110.00	ug/kg	J
Benzo(a)pyrene		2600.00	ug/kg	-	J	85.00	ug/kg	J
Benzo(b)fluoranthene		3000.00	ug/kg	-	J	100.00	ug/kg	J
Benzo(g,h,i)perylene		1500.00	ug/kg	-	U	340.00	ug/kg	U
Benzo(k)fluoranthene		2500.00	ug/kg	-	J	120.00	ug/kg	J
Butyl benzyl phthalate	J	61.00	ug/kg	J	U	340.00	ug/kg	U
Carbazole		670.00	ug/kg	-	J	21.00	ug/kg	J
Chrysene		3200.00	ug/kg	-	J	170.00	ug/kg	J
Di-n-butyl phthalate	J	360.00	ug/kg	U	J	340.00	ug/kg	U
Di-n-octyl phthalate	U	360.00	ug/kg	UJ	U	340.00	ug/kg	R
Dibenzo(a,h)anthracene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Dibenzofuran	J	150.00	ug/kg	J	J	19.00	ug/kg	J
Diethyl phthalate	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Dimethyl phthalate	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Fluoranthene		4700.00	ug/kg	-	J	260.00	ug/kg	J
Fluorene	J	290.00	ug/kg	J	U	340.00	ug/kg	U
Hexachlorobenzene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Hexachlorobutadiene	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Hexachlorocyclopentadiene	U	360.00	ug/kg	UJ	U	340.00	ug/kg	U
Hexachloroethane	U	360.00	ug/kg	U	U	340.00	ug/kg	U
Indeno(1,2,3-cd)pyrene		1900.00	ug/kg	-	U	340.00	ug/kg	U
Isophorone	U	360.00	ug/kg	U	U	340.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	360.00	ug/kg	U	U	340.00	ug/kg	U
N-Nitrosodiphenylamine	U	360.00	ug/kg	U	U	340.00	ug/kg	UJ
Naphthalene	JB	360.00	ug/kg	U	U	340.00	ug/kg	U

Material:	LOOSE MEDIA			WOOD		
Depth:						
Process Area:	1			1		
Sample:	16C-003			16C-004		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Nitrobenzene	U	360.00	ug/kg U	U	340.00	ug/kg U
Pentachlorophenol	U	890.00	ug/kg U	U	820.00	ug/kg U
Phenanthrene		3400.00	ug/kg -	J	150.00	ug/kg J
Phenol	U	360.00	ug/kg U	U	340.00	ug/kg U
Pyrene		4700.00	ug/kg -	J	260.00	ug/kg J
Pyridine						
bis(2-Chloroethoxy)methane	U	360.00	ug/kg U	U	340.00	ug/kg U
bis(2-Chloroethyl)ether	U	360.00	ug/kg U	U	340.00	ug/kg U
bis(2-Chloroisopropyl) ether	U	360.00	ug/kg UJ			
bis(2-Ethylhexyl)phthalate	U	360.00	ug/kg UJ	U	340.00	ug/kg U
m-Methylphenol						
o-Methylphenol	U	360.00	ug/kg U	U	340.00	ug/kg U
p-Chloroaniline	U	360.00	ug/kg U	U	340.00	ug/kg UJ
p-Methylphenol (Cresol)	U	360.00	ug/kg U	U	340.00	ug/kg U
Pesticides/PCBs						
4,4'-DDD	U	3.800	ug/kg U	U	3.600	ug/kg U
4,4'-DDE	U	3.800	ug/kg U	U	18.000	ug/kg U
4,4'-DDT	U	3.800	ug/kg U	U	3.600	ug/kg UJ
Aldrin	U	2.000	ug/kg U	U	1.800	ug/kg U
Aroclor-1016	U	38.000	ug/kg UJ	U	36.000	ug/kg U
Aroclor-1221	U	78.000	ug/kg UJ	U	72.000	ug/kg U
Aroclor-1232	U	38.000	ug/kg UJ	U	36.000	ug/kg U
Aroclor-1242	U	38.000	ug/kg UJ	U	36.000	ug/kg U
Aroclor-1248	U	38.000	ug/kg UJ	U	36.000	ug/kg U
Aroclor-1254		100.000	ug/kg J	U	36.000	ug/kg U
Aroclor-1260	U	38.000	ug/kg UJ	U	36.000	ug/kg U
Chlordane						
Dieldrin	U	3.800	ug/kg U	U	3.600	ug/kg U
Endosulfan II	U	3.800	ug/kg U	U	3.600	ug/kg U
Endosulfan sulfate	U	3.800	ug/kg U	U	3.600	ug/kg U
Endosulfan-I	U	2.000	ug/kg U	J	1.500	ug/kg J
Endrin	U	3.800	ug/kg U	JP	0.980	ug/kg J
Endrin aldehyde	U	3.800	ug/kg U	U	3.600	ug/kg U
Endrin ketone	U	3.800	ug/kg U	U	3.600	ug/kg UJ
Heptachlor	U	2.000	ug/kg U	U	1.800	ug/kg U
Heptachlor epoxide	U	2.000	ug/kg U	U	1.800	ug/kg U
Methoxychlor	U	20.000	ug/kg U	U	90.000	ug/kg UJ
Toxaphene	U	200.000	ug/kg UJ	U	180.000	ug/kg U
alpha-BHC	U	2.000	ug/kg U	U	1.800	ug/kg U
alpha-Chlordane	U	2.000	ug/kg U	U	1.800	ug/kg U
beta-BHC	U	2.000	ug/kg U	U	1.800	ug/kg UJ
delta-BHC	U	2.000	ug/kg U	U	1.800	ug/kg U
gamma-BHC (Lindane)	U	2.000	ug/kg U	U	9.000	ug/kg U
gamma-Chlordane	U	2.000	ug/kg U	U	1.800	ug/kg U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-002A				18A-004A				18A-005				18A-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	BJ	10.00	ug/L	U	U	30.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U		250.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	J	8.00	ug/L	J	U	30.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	J	6.00	ug/L	J	U	30.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		19.00	ug/L	U	U	30.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	BJ	10.00	ug/L	U	U	30.00	ug/L	U
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	30.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)					U	20.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-007				18A-008 DUP				18A-011A				18A-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U		100.00	ug/L	UJ	U	10.00	ug/L	UJ		110.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	15.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	BJ	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	J	10.00	ug/L	U	U	10.00	ug/L	U	J	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-013				18A-014				18A-015				18A-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
2-Butanone	U	50.00	ug/L	U	U	50.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Acetone		18.00	ug/L	UJ		15.00	ug/L	UJ	U	20.00	ug/L	R		300.00	ug/kg	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	20.00	ug/L	U	U	96.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Methylene chloride	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Toluene		25.00	ug/L	U	J	10.00	ug/L	U	U	20.00	ug/L	U	J	17.00	ug/kg	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	20.00	ug/L	U	U	96.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ												
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-018 DUP				18A-020				18A-021				18A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,1,2-Trichloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,1-Dichloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,1-Dichloroethene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,2-Dichloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
1,2-Dichloroethene (Total)	U	85.00	ug/kg	UJ	U	96.00	ug/kg	UJ	U	74.00	ug/kg	UJ	U	96.00	ug/kg	UJ
1,2-Dichloropropane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
2-Butanone		180.00	ug/kg	U		280.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
2-Hexanone	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
4-Methyl-2-pentanone	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Acetone		560.00	ug/kg	R		690.00	ug/kg	R		76.00	ug/kg	R	U	96.00	ug/kg	R
Benzene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Bromodichloromethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Bromoform	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Bromomethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Carbon Tetrachloride	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Carbon disulfide	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Chlorobenzene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Chloroethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Chloroform	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Chloromethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Dibromochloromethane	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Ethylbenzene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Methylene chloride	BJ	85.00	ug/kg	U	U	96.00	ug/kg	U	BJ	74.00	ug/kg	U	U	96.00	ug/kg	U
Styrene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Tetrachloroethene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Toluene	U	85.00	ug/kg	U	J	32.00	ug/kg	J	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Trichloroethene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Xylenes, Total	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
cis-1,3-Dichloropropene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	85.00	ug/kg	U	U	96.00	ug/kg	U	U	74.00	ug/kg	U	U	96.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
1,2-Dichlorobenzene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
1,3-Dichlorobenzene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
1,4-Dichlorobenzene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
2,4,6-Trichlorophenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U

000930

000930

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-024				18A-026				18A-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,1,2-Trichloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,1-Dichloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,1-Dichloroethene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,2-Dichloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
1,2-Dichloroethene (Total)	U	59.00	ug/kg	UJ	U	34.00	ug/kg	UJ	U	28.00	ug/kg	UJ
1,2-Dichloropropane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
2-Butanone	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
2-Hexanone	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
4-Methyl-2-pentanone	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Acetone		65.00	ug/kg	R		94.00	ug/kg	R	U	28.00	ug/kg	R
Benzene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Bromodichloromethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Bromoform	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Bromomethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Carbon Tetrachloride	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Carbon disulfide	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Chlorobenzene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Chloroethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Chloroform	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Chloromethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Dibromochloromethane	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Ethylbenzene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Methylene chloride	BJ	59.00	ug/kg	U	BJ	34.00	ug/kg	U	BJ	28.00	ug/kg	U
Styrene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Tetrachloroethene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Toluene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Trichloroethene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Trichlorofluoromethane												
Vinyl chloride	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Xylenes, Total	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
cis-1,3-Dichloropropene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	59.00	ug/kg	U	U	34.00	ug/kg	U	U	28.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
1,2-Dichlorobenzene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
1,3-Dichlorobenzene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
1,4-Dichlorobenzene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2,2-oxybis(1-Chloropropane)									U	800.00	ug/kg	U
2,4,5-Trichlorophenol	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
2,4,6-Trichlorophenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-002A				18A-004A				18A-005				18A-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R	U	20.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	U	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	50.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	UJ	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U	U	50.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	UJ	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	20.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	20.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

0009232

2123

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-007				18A-008 DUP				18A-011A				18A-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

000933

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-013				18A-014				18A-015				18A-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2,4-Dinitrophenol	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
2-Nitroaniline	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	10.00	ug/L	R	U	10.00	ug/L	R	U	3300.00	ug/kg	U
3-Nitroaniline	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	8200.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
4-Nitroaniline	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
4-Nitrophenol	U	26.00	ug/L	UJ	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ	U	8200.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	140.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	190.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	240.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	230.00	ug/kg	J
Butyl benzyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Carbazole	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Chrysene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	240.00	ug/kg	J
Di-n-butyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	150.00	ug/kg	J
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	390.00	ug/kg	J
Fluorene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	UJ
Hexachlorobutadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	170.00	ug/kg	J
Isophorone	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Naphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	350.00	ug/kg	J

000934

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-018 DUP				18A-020				18A-021				18A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2,4-Dimethylphenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2,4-Dinitrophenol	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
2,4-Dinitrotoluene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2,6-Dinitrotoluene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2-Chloronaphthalene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2-Chlorophenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
2-Methylnaphthalene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	J	39.00	ug/kg	J
2-Nitroaniline	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
2-Nitrophenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
3,3'-Dichlorobenzidine	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
3-Nitroaniline	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
4-Bromophenyl phenyl ether	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
4-Chloro-3-methylphenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
4-Chlorophenylphenyl ether	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
4-Nitroaniline	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
4-Nitrophenol	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
Acenaphthene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Acenaphthylene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Anthracene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Benzo(a)anthracene	J	120.00	ug/kg	J	J	130.00	ug/kg	J	J	130.00	ug/kg	J	J	120.00	ug/kg	J
Benzo(a)pyrene	J	170.00	ug/kg	J	J	170.00	ug/kg	J	J	170.00	ug/kg	J	J	180.00	ug/kg	J
Benzo(b)fluoranthene	J	240.00	ug/kg	J	J	230.00	ug/kg	J	J	280.00	ug/kg	J	J	230.00	ug/kg	J
Benzo(g,h,i)perylene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Benzo(k)fluoranthene	J	130.00	ug/kg	J	J	200.00	ug/kg	J	J	130.00	ug/kg	J	J	200.00	ug/kg	J
Butyl benzyl phthalate	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	J	65.00	ug/kg	J	J	49.00	ug/kg	J
Carbazole	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Chrysene	J	200.00	ug/kg	J	J	210.00	ug/kg	J	J	220.00	ug/kg	J	J	230.00	ug/kg	J
Di-n-butyl phthalate	J	120.00	ug/kg	J	J	110.00	ug/kg	J	J	160.00	ug/kg	J	J	160.00	ug/kg	J
Di-n-octyl phthalate	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Dibenzo(a,h)anthracene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Dibenzofuran	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Diethyl phthalate	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	J	66.00	ug/kg	J	J	79.00	ug/kg	J
Dimethyl phthalate	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Fluoranthene	J	360.00	ug/kg	J	J	390.00	ug/kg	J	J	350.00	ug/kg	J	J	370.00	ug/kg	J
Fluorene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Hexachlorobenzene	U	3200.00	ug/kg	UJ	U	2900.00	ug/kg	UJ	U	2200.00	ug/kg	UJ	U	3300.00	ug/kg	UJ
Hexachlorobutadiene	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Hexachlorocyclopentadiene	U	3200.00	ug/kg	UJ	U	2900.00	ug/kg	UJ	U	2200.00	ug/kg	UJ	U	3300.00	ug/kg	UJ
Hexachloroethane	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	140.00	ug/kg	J	J	160.00	ug/kg	J	J	170.00	ug/kg	J	J	150.00	ug/kg	J
Isophorone	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
N-Nitrosodiphenylamine	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Naphthalene	J	290.00	ug/kg	J	J	250.00	ug/kg	J	J	220.00	ug/kg	J	J	290.00	ug/kg	J

000935

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-024				18A-026				18A-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2,4-Dimethylphenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2,4-Dinitrophenol	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
2,4-Dinitrotoluene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2,6-Dinitrotoluene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2-Chloronaphthalene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2-Chlorophenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
2-Methylnaphthalene	J	34.00	ug/kg	J	J	70.00	ug/kg	J	U	800.00	ug/kg	U
2-Nitroaniline	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
2-Nitrophenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
3,3'-Dichlorobenzidine	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
3-Nitroaniline	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
4-Chloro-3-methylphenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
4-Chlorophenylphenyl ether	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
4-Nitroaniline	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
4-Nitrophenol	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
Acenaphthene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Acenaphthylene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Anthracene	J	31.00	ug/kg	J	J	45.00	ug/kg	J	U	800.00	ug/kg	U
Benzo(a)anthracene	J	200.00	ug/kg	J	J	310.00	ug/kg	J	J	370.00	ug/kg	J
Benzo(a)pyrene	J	250.00	ug/kg	J	J	380.00	ug/kg	J	J	700.00	ug/kg	J
Benzo(b)fluoranthene	J	330.00	ug/kg	J	J	510.00	ug/kg	J		1200.00	ug/kg	J
Benzo(g,h,i)perylene	U	2000.00	ug/kg	U	J	100.00	ug/kg	J	J	590.00	ug/kg	J
Benzo(k)fluoranthene	J	230.00	ug/kg	J	J	350.00	ug/kg	J		850.00	ug/kg	-
Butyl benzyl phthalate	U	2000.00	ug/kg	U	J	66.00	ug/kg	J	U	800.00	ug/kg	U
Carbazole	U	2000.00	ug/kg	U	J	53.00	ug/kg	J	U	800.00	ug/kg	U
Chrysene	J	310.00	ug/kg	J	J	460.00	ug/kg	J	J	530.00	ug/kg	J
Di-n-butyl phthalate	J	200.00	ug/kg	J	J	490.00	ug/kg	J		1900.00	ug/kg	-
Di-n-octyl phthalate	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Dibenzo(a,h)anthracene	U	2000.00	ug/kg	U	J	56.00	ug/kg	J	J	250.00	ug/kg	J
Dibenzofuran	U	2000.00	ug/kg	U	J	20.00	ug/kg	J	U	800.00	ug/kg	U
Diethyl phthalate	J	58.00	ug/kg	J	J	34.00	ug/kg	J	U	800.00	ug/kg	U
Dimethyl phthalate	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Fluoranthene	J	620.00	ug/kg	J	J	860.00	ug/kg	J		1100.00	ug/kg	-
Fluorene	J	24.00	ug/kg	J	J	38.00	ug/kg	J	U	800.00	ug/kg	U
Hexachlorobenzene	U	2000.00	ug/kg	UJ	U	1100.00	ug/kg	UJ	U	800.00	ug/kg	U
Hexachlorobutadiene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U				
Hexachlorocyclopentadiene	U	2000.00	ug/kg	UJ	U	1100.00	ug/kg	UJ	U	800.00	ug/kg	U
Hexachloroethane	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	210.00	ug/kg	J	J	330.00	ug/kg	J		830.00	ug/kg	J
Isophorone	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
N-Nitrosodiphenylamine	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Naphthalene	J	160.00	ug/kg	J	J	120.00	ug/kg	J	J	130.00	ug/kg	J

0936

2121263

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-002A				18A-004A				18A-005				18A-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	50.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pyridine					U	20.00	ug/L	U								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	BJ	20.00	ug/L	U	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-007				18A-008 DUP				18A-011A				18A-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-013				18A-014				18A-015				18A-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Pentachlorophenol	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	25.00	ug/L	U	U	8200.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	160.00	ug/kg	J
Phenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
Pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	310.00	ug/kg	J
Pyridine	U	10.00	ug/L	UJ												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
bis(2-Chloroisopropyl) ether					U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	R
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	UJ	BJ	10.00	ug/L	U	B	11.00	ug/L	U	BJ	3300.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	3300.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	J	260.00	ug/kg	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18A-018 DUP				18A-020				18A-021				18A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	J	140.00	ug/kg	J	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Pentachlorophenol	U	8000.00	ug/kg	U	U	7300.00	ug/kg	U	U	5400.00	ug/kg	U	U	8300.00	ug/kg	U
Phenanthrene	J	140.00	ug/kg	J	J	150.00	ug/kg	J	J	160.00	ug/kg	J	J	150.00	ug/kg	J
Phenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
Pyrene	J	270.00	ug/kg	J	J	280.00	ug/kg	J	J	290.00	ug/kg	J	J	250.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
bis(2-Chloroethyl)ether	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	3200.00	ug/kg	R	U	2900.00	ug/kg	R	U	2200.00	ug/kg	R	U	3300.00	ug/kg	R
bis(2-Ethylhexyl)phthalate	BJ	3200.00	ug/kg	U	BJ	2900.00	ug/kg	U	BJ	2200.00	ug/kg	U	BJ	3300.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
p-Chloroaniline	U	3200.00	ug/kg	U	U	2900.00	ug/kg	U	U	2200.00	ug/kg	U	U	3300.00	ug/kg	U
p-Methylphenol (Cresol)	J	430.00	ug/kg	J	J	180.00	ug/kg	J	J	170.00	ug/kg	J	J	190.00	ug/kg	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	SEDIMENT				SEDIMENT				SEDIMENT			
Depth:												
Process Area:	1				1				1			
Sample:	18A-024				18A-026				18A-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Pentachlorophenol	U	5000.00	ug/kg	U	U	2800.00	ug/kg	U	U	2000.00	ug/kg	U
Phenanthrene	J	250.00	ug/kg	J	J	400.00	ug/kg	J	J	760.00	ug/kg	J
Phenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
Pyrene	J	410.00	ug/kg	J	J	610.00	ug/kg	J	J	800.00	ug/kg	J
Pyridine												
bis(2-Chloroethoxy)methane	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
bis(2-Chloroethyl)ether	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	2000.00	ug/kg	R	U	1100.00	ug/kg	R				
bis(2-Ethylhexyl)phthalate	BJ	2000.00	ug/kg	U	BJ	1100.00	ug/kg	U	BJ	800.00	ug/kg	U
m-Methylphenol												
o-Methylphenol	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
p-Chloroaniline	U	2000.00	ug/kg	U	U	1100.00	ug/kg	U	U	800.00	ug/kg	U
p-Methylphenol (Cresol)	J	210.00	ug/kg	J	J	200.00	ug/kg	J	U	800.00	ug/kg	U
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	18B-006				18B-007 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,1,2-Trichloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,1-Dichloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,1-Dichloroethene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,2-Dichloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,2-Dichloroethene (Total)	U	14.00	ug/kg	U	U	13.00	ug/kg	U
1,2-Dichloropropane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
2-Butanone		130.00	ug/kg	U		260.00	ug/kg	U
2-Hexanone	U	14.00	ug/kg	U	U	13.00	ug/kg	U
4-Methyl-2-pentanone	U	14.00	ug/kg	U	J	8.00	ug/kg	J
Acetone		25.00	ug/kg	J		19.00	ug/kg	J
Benzene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Bromodichloromethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Bromoform	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Bromomethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Carbon Tetrachloride	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Carbon disulfide	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Chlorobenzene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Chloroethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Chloroform	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Chloromethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Dibromochloromethane	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Ethylbenzene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Methylene chloride	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Styrene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Tetrachloroethene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Toluene	J	14.00	ug/kg	U		28.00	ug/kg	U
Trichloroethene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Xylenes, Total	J	4.00	ug/kg	J	U	13.00	ug/kg	U
cis-1,3-Dichloropropene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	14.00	ug/kg	U	U	13.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
1,2-Dichlorobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
1,3-Dichlorobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
1,4-Dichlorobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
2,4,6-Trichlorophenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Organics

Material:	LOOSE MEDIA				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	18B-006				18B-007 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	J	450.00	ug/kg	J	J	260.00	ug/kg	J
2,4-Dimethylphenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2,4-Dinitrophenol	U	1200.00	ug/kg	UJ	U	1400.00	ug/kg	UJ
2,4-Dinitrotoluene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2,6-Dinitrotoluene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2-Chloronaphthalene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2-Chlorophenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U
2-Methylnaphthalene	J	120.00	ug/kg	J	U	560.00	ug/kg	U
2-Nitroaniline	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
2-Nitrophenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U
3,3'-Dichlorobenzidine	U	500.00	ug/kg	UJ	U	560.00	ug/kg	UJ
3-Nitroaniline	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
4-Bromophenyl phenyl ether	U	500.00	ug/kg	U	U	560.00	ug/kg	U
4-Chloro-3-methylphenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U
4-Chlorophenylphenyl ether	U	500.00	ug/kg	U	U	560.00	ug/kg	U
4-Nitroaniline	U	1200.00	ug/kg	UJ	U	1400.00	ug/kg	UJ
4-Nitrophenol	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
Acenaphthene	J	280.00	ug/kg	J	J	77.00	ug/kg	J
Acenaphthylene	J	160.00	ug/kg	J	J	220.00	ug/kg	J
Anthracene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Benzo(a)anthracene		2400.00	ug/kg	-		1200.00	ug/kg	-
Benzo(a)pyrene		3100.00	ug/kg	-		2000.00	ug/kg	-
Benzo(b)fluoranthene		2900.00	ug/kg	-		2100.00	ug/kg	-
Benzo(g,h,i)perylene		2000.00	ug/kg	-		1100.00	ug/kg	-
Benzo(k)fluoranthene		3100.00	ug/kg	-		2100.00	ug/kg	-
Butyl benzyl phthalate	U	500.00	ug/kg	UJ	U	560.00	ug/kg	UJ
Carbazole		630.00	ug/kg	-	J	210.00	ug/kg	J
Chrysene		3500.00	ug/kg	-		1700.00	ug/kg	-
Di-n-butyl phthalate		13000.00	ug/kg	-		4400.00	ug/kg	-
Di-n-octyl phthalate	U	500.00	ug/kg	UJ	U	560.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	500.00	ug/kg	U		700.00	ug/kg	-
Dibenzofuran	J	210.00	ug/kg	J	J	59.00	ug/kg	J
Diethyl phthalate	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Dimethyl phthalate	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Fluoranthene		5100.00	ug/kg	-		2600.00	ug/kg	-
Fluorene	J	340.00	ug/kg	J	J	110.00	ug/kg	J
Hexachlorobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Hexachlorobutadiene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Hexachlorocyclopentadiene	U	500.00	ug/kg	UJ	U	560.00	ug/kg	UJ
Hexachloroethane	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Indeno(1,2,3-cd)pyrene		2600.00	ug/kg	-		1500.00	ug/kg	-
Isophorone	U	500.00	ug/kg	U	U	560.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	500.00	ug/kg	U	U	560.00	ug/kg	U
N-Nitrosodiphenylamine	U	500.00	ug/kg	U	U	560.00	ug/kg	U
Naphthalene	BJ	500.00	ug/kg	U	BJ	560.00	ug/kg	U

	Material:	LOOSE MEDIA			LOOSE MEDIA			
	Depth:							
	Process Area:	1			1			
	Sample:	18B-006			18B-007 DUP			
		LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
	Nitrobenzene	U	500.00	ug/kg	U	U	560.00	ug/kg	U
	Pentachlorophenol	U	1200.00	ug/kg	U	U	1400.00	ug/kg	U
	Phenanthrene		3700.00	ug/kg	-		1400.00	ug/kg	-
	Phenol		820.00	ug/kg	U	J	560.00	ug/kg	U
	Pyrene		4600.00	ug/kg	-		2300.00	ug/kg	-
	Pyridine								
	bis(2-Chloroethoxy)methane	U	500.00	ug/kg	U	U	560.00	ug/kg	U
	bis(2-Chloroethyl)ether	U	500.00	ug/kg	U	U	560.00	ug/kg	U
	bis(2-Chloroisopropyl) ether	U	500.00	ug/kg	UJ	U	560.00	ug/kg	UJ
	bis(2-Ethylhexyl)phthalate		1300.00	ug/kg	UJ		2200.00	ug/kg	J
	m-Methylphenol								
	o-Methylphenol	U	500.00	ug/kg	U	U	560.00	ug/kg	U
	p-Chloroaniline	U	500.00	ug/kg	U	U	560.00	ug/kg	U
	p-Methylphenol (Cresol)	J	420.00	ug/kg	J	J	58.00	ug/kg	J
Pesticides/PCBs									
	4,4'-DDD								
	4,4'-DDE								
	4,4'-DDT								
	Aldrin								
	Aroclor-1016								
	Aroclor-1221								
	Aroclor-1232								
	Aroclor-1242								
	Aroclor-1248								
	Aroclor-1254								
	Aroclor-1260								
	Chlordane								
	Dieldrin								
	Endosulfan II								
	Endosulfan sulfate								
	Endosulfan-I								
	Endrin								
	Endrin aldehyde								
	Endrin ketone								
	Heptachlor								
	Heptachlor epoxide								
	Methoxychlor								
	Toxaphene								
	alpha-BHC								
	alpha-Chlordane								
	beta-BHC								
	delta-BHC								
	gamma-BHC (Lindane)								
	gamma-Chlordane								

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-002				18C-003 DUP				18C-004				18C-005 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,2-Dichloroethene (Total)									U	31.00	ug/kg	U	U	28.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
2-Butanone		21.00	ug/L	R	U	10.00	ug/L	R		270.00	ug/kg	J		170.00	ug/kg	J
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	31.00	ug/kg	UJ	U	28.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Acetone		17.00	ug/L	R		19.00	ug/L	R	U	31.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	31.00	ug/kg	U	U	28.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-008				18C-009 DUP				18C-011				18C-012 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
1,2-Dichloroethene (Total)									U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
2-Butanone	U	10.00	ug/L	R	R	35.00	ug/L	R	U	42.00	ug/kg	UJ		43.00	ug/kg	J
2-Hexanone	U	10.00	ug/L	R	R	10.00	ug/L	R	U	42.00	ug/kg	R	U	28.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Acetone		17.00	ug/L	R	R	18.00	ug/L	R	U	42.00	ug/kg	UJ	J	27.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Toluene	U	10.00	ug/L	U	J	2.00	ug/L	J	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	UJ	U	28.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	42.00	ug/kg	R	U	28.00	ug/kg	R
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-002				18C-003 DUP				18C-004				18C-005 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	UJ	U	1200.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U		860.00	ug/kg	-	U	500.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	UJ	U	500.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	UJ	U	1200.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Di-n-butyl phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	J	130.00	ug/kg	J	U	500.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	110.00	ug/kg	J	U	500.00	ug/kg	U
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	430.00	ug/kg	J	U	500.00	ug/kg	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-008				18C-009 DUP				18C-011				18C-012 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	UJ	U	1100.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	320.00	ug/kg	J	J	340.00	ug/kg	J
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	UJ	U	460.00	ug/kg	R
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	UJ	U	1100.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	UJ
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Di-n-butyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	J	43.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	150.00	ug/kg	J	J	180.00	ug/kg	J

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-002				18C-003 DUP				18C-004				18C-005 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1200.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	370.00	ug/kg	J	U	500.00	ug/kg	U
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	110.00	ug/kg	J	U	500.00	ug/kg	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	490.00	ug/kg	U	U	500.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18C-008				18C-009 DUP				18C-011				18C-012 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1200.00	ug/kg	U	U	1100.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	J	140.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	J	54.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	UJ
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	520.00	ug/kg	U	U	460.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-001				18E-002 DUP				18E-006				18E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
2-Butanone		29.00	ug/L	U		100.00	ug/L	UJ	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	1400.00	ug/kg	UJ	U	1400.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	1400.00	ug/kg	UJ	U	1400.00	ug/kg	UJ
Acetone		12.00	ug/L	UJ		15.00	ug/L	UJ	U	1400.00	ug/kg	UJ	U	1400.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	190.00	ug/kg	J	U	1400.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Toluene	J	10.00	ug/L	U	J	10.00	ug/L	U	J	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	1400.00	ug/kg	U	U	1400.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
1,2-Dichlorobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
1,3-Dichlorobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
1,4-Dichlorobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2,4,5-Trichlorophenol	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
2,4,6-Trichlorophenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-010				18E-012				18E-013				18E-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Acetone		27.00	ug/L	J	U	1200.00	ug/kg	UJ	U	1500.00	ug/kg	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	J	620.00	ug/kg	J	J	1300.00	ug/kg	J	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	J	190.00	ug/kg	J	J	310.00	ug/kg	J	J	1.00	ug/L	J
Toluene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	1200.00	ug/kg	U	U	1500.00	ug/kg	U	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	21000.00	ug/kg	UJ	U	17000.00	ug/kg	UJ	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U

2360090

2212

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-017 DUP				18E-021				18E-023				18E-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
2-Butanone	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ		9600.00	ug/kg	J
2-Hexanone	U	10.00	ug/L	UJ	U	2100.00	ug/kg	R	U	10.00	ug/L	UJ	U	2900.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Acetone	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ		23.00	ug/L	J	U	2900.00	ug/kg	UJ
Benzene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Bromoform	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Bromomethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	J	500.00	ug/kg	J
Chlorobenzene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Chloroethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Chloromethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Styrene	U	10.00	ug/L	UJ	J	290.00	ug/kg	J	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	J	1.00	ug/L	J	U	2900.00	ug/kg	UJ
Toluene	U	10.00	ug/L	UJ		27000.00	ug/kg	J		10.00	ug/L	J		3000.00	ug/kg	J
Trichloroethene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	UJ	J	410.00	ug/kg	J	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	2100.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	2900.00	ug/kg	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	J	46000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18E-027				18E-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
2-Butanone	U	10.00	ug/L	UJ		2800.00	ug/kg	-
2-Hexanone	U	10.00	ug/L	R	U	760.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Acetone	U	10.00	ug/L	UJ	U	760.00	ug/kg	UJ
Benzene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Bromoform	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Bromomethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Chloroethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Chloroform	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Chloromethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Styrene	U	10.00	ug/L	UJ	U	3100.00	ug/kg	-
Tetrachloroethene	J	1.00	ug/L	J	U	760.00	ug/kg	U
Toluene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	760.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	57000.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ

2123

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-001				18E-002 DUP				18E-006				18E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2,4-Dimethylphenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2,4-Dinitrophenol	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
2,4-Dinitrotoluene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2,6-Dinitrotoluene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2-Chloronaphthalene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2-Chlorophenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
2-Methylnaphthalene	U	12.00	ug/L	U	U	10.00	ug/L	U	J	150.00	ug/kg	J	J	150.00	ug/kg	J
2-Nitroaniline	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
2-Nitrophenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
3,3'-Dichlorobenzidine	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
3-Nitroaniline	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
4-Bromophenyl phenyl ether	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
4-Chloro-3-methylphenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
4-Chlorophenylphenyl ether	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
4-Nitroaniline	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
4-Nitrophenol	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
Acenaphthene	U	12.00	ug/L	U	U	10.00	ug/L	U	J	410.00	ug/kg	J	J	380.00	ug/kg	J
Acenaphthylene	U	12.00	ug/L	U	U	10.00	ug/L	U	J	160.00	ug/kg	J	J	160.00	ug/kg	J
Anthracene	J	0.70	ug/L	J	U	10.00	ug/L	U		1100.00	ug/kg	-		950.00	ug/kg	-
Benzo(a)anthracene	U	12.00	ug/L	U	U	10.00	ug/L	U		8100.00	ug/kg	-		6500.00	ug/kg	-
Benzo(a)pyrene	U	12.00	ug/L	U	U	10.00	ug/L	U	D	11000.00	ug/kg	-	D	11000.00	ug/kg	-
Benzo(b)fluoranthene	U	12.00	ug/L	U	U	10.00	ug/L	U	D	15000.00	ug/kg	-	D	15000.00	ug/kg	-
Benzo(g,h,i)perylene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	J	470.00	ug/kg	J
Benzo(k)fluoranthene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Butyl benzyl phthalate	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Carbazole	U	12.00	ug/L	U	U	10.00	ug/L	U		1800.00	ug/kg	-		1600.00	ug/kg	-
Chrysene	J	0.60	ug/L	J	J	0.70	ug/L	J	D	15000.00	ug/kg	-	D	15000.00	ug/kg	-
Di-n-butyl phthalate	U	12.00	ug/L	U	U	10.00	ug/L	U	JB	1000.00	ug/kg	U	JB	920.00	ug/kg	U
Di-n-octyl phthalate	U	12.00	ug/L	U	U	10.00	ug/L	U	J	390.00	ug/kg	J	J	500.00	ug/kg	J
Dibenzo(a,h)anthracene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U		1300.00	ug/kg	-
Dibenzofuran	U	12.00	ug/L	U	U	10.00	ug/L	U	J	380.00	ug/kg	J	J	340.00	ug/kg	J
Diethyl phthalate	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Dimethyl phthalate	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Fluoranthene	J	1.00	ug/L	J	J	2.00	ug/L	J	D	29000.00	ug/kg	-	D	28000.00	ug/kg	-
Fluorene	U	12.00	ug/L	U	U	10.00	ug/L	U	J	670.00	ug/kg	J	J	540.00	ug/kg	J
Hexachlorobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Hexachlorobutadiene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Hexachlorocyclopentadiene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Hexachloroethane	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U		1100.00	ug/kg	-
Isophorone	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
N-Nitrosodiphenylamine	U	12.00	ug/L	UJ	U	10.00	ug/L	U	U	1000.00	ug/kg	UJ	U	920.00	ug/kg	UJ
Naphthalene	U	12.00	ug/L	U	U	10.00	ug/L	U	J	110.00	ug/kg	J	J	100.00	ug/kg	J

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-010				18E-012				18E-013				18E-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	21000.00	ug/kg	UJ	U	17000.00	ug/kg	UJ	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	J	0.40	ug/L	J
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U	J	1200.00	ug/kg	J	J	1000.00	ug/kg	J	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	J	1900.00	ug/kg	J	J	1600.00	ug/kg	J	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	J	14000.00	ug/kg	J	J	15000.00	ug/kg	J	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U	JB	21000.00	ug/kg	U	JB	17000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U		40000.00	ug/kg	-		23000.00	ug/kg	-	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	J	19000.00	ug/kg	J	J	9000.00	ug/kg	J	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	J	19000.00	ug/kg	J	J	14000.00	ug/kg	J	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U	J	3400.00	ug/kg	J	J	3800.00	ug/kg	J	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U		26000.00	ug/kg	-		23000.00	ug/kg	-	U	10.00	ug/L	U
Di-n-butyl phthalate	JB	10.00	ug/L	U	JB	21000.00	ug/kg	U	JB	17000.00	ug/kg	U	JB	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U	J	16000.00	ug/kg	J	J	12000.00	ug/kg	J	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	J	850.00	ug/kg	J	J	730.00	ug/kg	J	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Fluoranthene	J	0.20	ug/L	J		48000.00	ug/kg	-		46000.00	ug/kg	-	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U	J	1400.00	ug/kg	J	J	1100.00	ug/kg	J	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	J	19000.00	ug/kg	J	J	10000.00	ug/kg	J	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-017 DUP				18E-021				18E-023				18E-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2,4-Dimethylphenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2,4-Dinitrophenol	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2-Chloronaphthalene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2-Chlorophenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2-Methylnaphthalene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
2-Nitroaniline	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
2-Nitrophenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
4-Nitroaniline	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
Acenaphthene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	J	1400.00	ug/kg	J
Acenaphthylene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Anthracene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Benzo(a)anthracene	U	10.00	ug/L	U	J	2600.00	ug/kg	J	U	10.00	ug/L	U	J	15000.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U	JB	7300.00	ug/kg	UJ	U	10.00	ug/L	U	JB	46000.00	ug/kg	UJ
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	6200.00	ug/kg	J	U	10.00	ug/L	U	J	23000.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	J	2900.00	ug/kg	J	U	10.00	ug/L	U	J	14000.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L	U	J	4600.00	ug/kg	J	U	10.00	ug/L	U	J	22000.00	ug/kg	J
Butyl benzyl phthalate	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Carbazole	U	10.00	ug/L	U	J	1000.00	ug/kg	J	U	10.00	ug/L	U	J	4900.00	ug/kg	J
Chrysene	U	10.00	ug/L	U	J	7000.00	ug/kg	J	U	10.00	ug/L	U	J	30000.00	ug/kg	J
Di-n-butyl phthalate	JB	10.00	ug/L	U	U	7300.00	ug/kg	UJ	JB	10.00	ug/L	U	JB	46000.00	ug/kg	UJ
Di-n-octyl phthalate	U	10.00	ug/L	UJ	J	6900.00	ug/kg	J	U	10.00	ug/L	U	J	37000.00	ug/kg	J
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Dibenzofuran	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Diethyl phthalate	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Dimethyl phthalate	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Fluoranthene	U	10.00	ug/L	U		15000.00	ug/kg	J	J	0.30	ug/L	J		62000.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	J	1500.00	ug/kg	J
Hexachlorobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Hexachlorobutadiene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	J	3100.00	ug/kg	J	U	10.00	ug/L	U	J	15000.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Naphthalene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ

Material:	UNKNOWN LIQUID			SEDIMENT			
Depth:							
Process Area:	1			1			
Sample:	18E-027			18E-029			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2,4-Dimethylphenol	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2,4-Dinitrophenol	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2,6-Dinitrotoluene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2-Chloronaphthalene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2-Chlorophenol	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2-Methylnaphthalene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
2-Nitroaniline	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
2-Nitrophenol	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
3,3'-Dichlorobenzidine	U	10.00	ug/L UJ	U	23000.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
4-Nitroaniline	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L U	U	57000.00	ug/kg	UJ
Acenaphthene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Acenaphthylene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Anthracene	U	10.00	ug/L U	J	880.00	ug/kg	J
Benzo(a)anthracene	U	10.00	ug/L U	J	7400.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L U	JB	23000.00	ug/kg	UJ
Benzo(b)fluoranthene	U	10.00	ug/L U	J	15000.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L U	J	3300.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Butyl benzyl phthalate	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Carbazole	U	10.00	ug/L U	J	1700.00	ug/kg	J
Chrysene	U	10.00	ug/L U	J	16000.00	ug/kg	J
Di-n-butyl phthalate	U	10.00	ug/L U	JB	23000.00	ug/kg	UJ
Di-n-octyl phthalate	U	10.00	ug/L UJ	J	10000.00	ug/kg	J
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Dibenzofuran	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Diethyl phthalate	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Dimethyl phthalate	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Fluoranthene	J	0.30	ug/L J		30000.00	ug/kg	J
Fluorene	U	10.00	ug/L U	J	600.00	ug/kg	J
Hexachlorobenzene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Hexachlorobutadiene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U	J	7500.00	ug/kg	J
Isophorone	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	23000.00	ug/kg	UJ
Naphthalene	U	10.00	ug/L U	U	23000.00	ug/kg	UJ

0212

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				SEDIMENT				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-001				18E-002 DUP				18E-006				18E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Pentachlorophenol	U	29.00	ug/L	U	U	25.00	ug/L	U	U	2400.00	ug/kg	U	U	2200.00	ug/kg	U
Phenanthrene	J	0.60	ug/L	J	J	0.90	ug/L	J	D	13000.00	ug/kg	-	D	13000.00	ug/kg	-
Phenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
Pyrene	J	0.90	ug/L	J	J	1.00	ug/L	J	D	21000.00	ug/kg	-	D	22000.00	ug/kg	-
Pyridine																
bis(2-Chloroethoxy)methane	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
bis(2-Chloroethyl)ether	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	12.00	ug/L	U	J	10.00	ug/L	U	D	10000.00	ug/kg	-	D	9500.00	ug/kg	-
m-Methylphenol																
o-Methylphenol	U	12.00	ug/L	U	U	10.00	ug/L	U	U	1000.00	ug/kg	U	U	920.00	ug/kg	U
p-Chloroaniline	U	12.00	ug/L	R	U	10.00	ug/L	UJ	U	1000.00	ug/kg	UJ	U	920.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	12.00	ug/L	U	U	10.00	ug/L	U	J	140.00	ug/kg	J	J	81.00	ug/kg	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

000959

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				SEDIMENT				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-010				18E-012				18E-013				18E-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	50000.00	ug/kg	U	U	41000.00	ug/kg	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U		26000.00	ug/kg	-		24000.00	ug/kg	-	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	J	0.30	ug/L	J
Pyrene	U	10.00	ug/L	U		42000.00	ug/kg	-		36000.00	ug/kg	-	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	J	1.00	ug/L	J	JB	21000.00	ug/kg	U	JB	17000.00	ug/kg	U	U	10.00	ug/L	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	21000.00	ug/kg	U	U	17000.00	ug/kg	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	21000.00	ug/kg	UJ	U	17000.00	ug/kg	UJ	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	2700.00	ug/kg	J	J	2500.00	ug/kg	J	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				SEDIMENT			
Depth:																
Process Area:	1				1				1				1			
Sample:	18E-017 DUP				18E-021				18E-023				18E-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Pentachlorophenol	U	25.00	ug/L	U	U	18000.00	ug/kg	UJ	U	25.00	ug/L	U	U	110000.00	ug/kg	UJ
Phenanthrene	U	10.00	ug/L	U	J	6700.00	ug/kg	J	U	10.00	ug/L	U	J	36000.00	ug/kg	J
Phenol	U	10.00	ug/L	U	J	1600.00	ug/kg	J	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
Pyrene	U	10.00	ug/L	U		11000.00	ug/kg	J	J	0.30	ug/L	J		57000.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	U	46000.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	JB	7300.00	ug/kg	UJ	U	10.00	ug/L	U	JB	46000.00	ug/kg	UJ
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	U	U	7300.00	ug/kg	UJ	U	10.00	ug/L	U	J	20000.00	ug/kg	J
p-Chloroaniline	U	10.00	ug/L	UJ	U	7300.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	46000.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U		11000.00	ug/kg	J	U	10.00	ug/L	U	J	20000.00	ug/kg	J
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

E36000

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18E-027				18E-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
Pentachlorophenol	U	25.00	ug/L	U	U	57000.00	ug/kg	UJ
Phenanthrene	U	10.00	ug/L	U	J	15000.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
Pyrene	J	0.20	ug/L	J	J	20000.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	23000.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	JB	23000.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	J	1200.00	ug/kg	J
p-Chloroaniline	U	10.00	ug/L	UJ	U	23000.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	1200.00	ug/kg	J
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

296000

3212

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	18J-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	J	2.00	ug/L	J
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		51.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	J	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	18J-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	J	2.00	ug/L	J
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

000994

4D-1212-3

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	18J-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18K-001				18K-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
2-Butanone	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	5700.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Acetone	U	10.00	ug/L	UJ	U	5700.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Bromoform	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Bromomethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Chloroethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Chloromethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Methylene chloride	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Styrene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Toluene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Trichloroethene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	5700.00	ug/kg	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ	U	1200.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	2900.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ

00966

2173

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SEDIMENT		
Depth:						
Process Area:	1			1		
Sample:	18K-001			18K-003		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2,4-Dimethylphenol	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2,4-Dinitrophenol	U	25.00	ug/L U	U	2900.00	ug/kg UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2,6-Dinitrotoluene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2-Chloronaphthalene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2-Chlorophenol	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2-Methylnaphthalene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
2-Nitroaniline	U	25.00	ug/L U	U	2900.00	ug/kg UJ
2-Nitrophenol	U	10.00	ug/L U	U	1200.00	ug/kg UJ
3,3'-Dichlorobenzidine	U	10.00	ug/L U	U	1200.00	ug/kg UJ
3-Nitroaniline	U	25.00	ug/L U	U	2900.00	ug/kg UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L U	U	2900.00	ug/kg UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	1200.00	ug/kg UJ
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	1200.00	ug/kg UJ
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	1200.00	ug/kg UJ
4-Nitroaniline	U	25.00	ug/L UJ	U	2900.00	ug/kg UJ
4-Nitrophenol	U	25.00	ug/L UJ	U	2900.00	ug/kg UJ
Acenaphthene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Acenaphthylene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Anthracene	U	10.00	ug/L U	J	73.00	ug/kg J
Benzo(a)anthracene	U	10.00	ug/L U	J	460.00	ug/kg J
Benzo(a)pyrene	U	10.00	ug/L U	J	440.00	ug/kg J
Benzo(b)fluoranthene	U	10.00	ug/L U	J	550.00	ug/kg J
Benzo(g,h,i)perylene	U	10.00	ug/L U	J	490.00	ug/kg J
Benzo(k)fluoranthene	U	10.00	ug/L U	J	390.00	ug/kg J
Butyl benzyl phthalate	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Carbazole	U	10.00	ug/L U	J	51.00	ug/kg J
Chrysene	U	10.00	ug/L U	J	560.00	ug/kg J
Di-n-butyl phthalate	JB	10.00	ug/L U	JB	1200.00	ug/kg UJ
Di-n-octyl phthalate	U	10.00	ug/L U	J	330.00	ug/kg J
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Dibenzofuran	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Diethyl phthalate	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Dimethyl phthalate	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Fluoranthene	U	10.00	ug/L U	J	1100.00	ug/kg J
Fluorene	U	10.00	ug/L U	J	40.00	ug/kg J
Hexachlorobenzene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Hexachlorobutadiene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Hexachloroethane	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U	J	370.00	ug/kg J
Isophorone	U	10.00	ug/L U	U	1200.00	ug/kg UJ
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	1200.00	ug/kg UJ
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	1200.00	ug/kg UJ
Naphthalene	U	10.00	ug/L U	U	1200.00	ug/kg UJ

296000

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18K-001				18K-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
Pentachlorophenol	U	25.00	ug/L	U	U	2900.00	ug/kg	UJ
Phenanthrene	U	10.00	ug/L	U	J	410.00	ug/kg	J
Phenol	U	10.00	ug/L	U	J	53.00	ug/kg	J
Pyrene	U	10.00	ug/L	U	J	1000.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	B	3000.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	1200.00	ug/kg	UJ
p-Chloroaniline	U	10.00	ug/L	UJ	U	1200.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	130.00	ug/kg	J
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18L-001				18L-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
2-Butanone		17.00	ug/L	U	U	47000.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	47000.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Acetone	U	10.00	ug/L	UJ	U	47000.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Bromoform	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Bromomethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Chloroethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Chloromethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Methylene chloride	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Styrene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Toluene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Trichloroethene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	47000.00	ug/kg	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18L-001				18L-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2,4-Dimethylphenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2,4-Dinitrophenol	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2-Chloronaphthalene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2-Chlorophenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2-Methylnaphthalene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
2-Nitroaniline	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
2-Nitrophenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
4-Nitroaniline	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
Acenaphthene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Acenaphthylene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Anthracene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Benzo(a)anthracene	U	10.00	ug/L	U	J	740.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	1100.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Butyl benzyl phthalate	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Carbazole	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Chrysene	U	10.00	ug/L	U	J	960.00	ug/kg	J
Di-n-butyl phthalate	U	10.00	ug/L	U	JB	13000.00	ug/kg	UJ
Di-n-octyl phthalate	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Dibenzofuran	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Diethyl phthalate	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Dimethyl phthalate	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Fluoranthene	U	10.00	ug/L	U	J	2100.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Hexachlorobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Hexachlorobutadiene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Isophorone	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	13000.00	ug/kg	UJ
Naphthalene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ

096000

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	18L-001				18L-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
Pentachlorophenol	U	25.00	ug/L	U	U	31000.00	ug/kg	UJ
Phenanthrene	U	10.00	ug/L	U	J	1200.00	ug/kg	J
Phenol	U	10.00	ug/L	U	J	460.00	ug/kg	J
Pyrene	U	10.00	ug/L	U	J	1500.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	JB	13000.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	13000.00	ug/kg	UJ
p-Chloroaniline	U	10.00	ug/L	UJ	U	13000.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	12000.00	ug/kg	J
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	2
Sample:	19D-013

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)				
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone		28.00	ug/L	UJ
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene	U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

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Material:	UNKNOWN LIQUID
Depth:	
Process Area:	2
Sample:	19D-013

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	R
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	UJ
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	JB	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	2
Sample:	19D-013

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	UJ
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	R
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	22E-005				22E-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	17.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	17.00	ug/kg	U
2-Butanone		88.00	ug/L	UJ	U	17.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	17.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	17.00	ug/kg	U
Acetone		12.00	ug/L	R		32.00	ug/kg	J
Benzene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	17.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	17.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	17.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	17.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	17.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Toluene		20.00	ug/L	U	U	17.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	17.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	17.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	17.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	17.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	480.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	480.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	480.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	480.00	ug/kg	U
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	1200.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	480.00	ug/kg	U

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SEDIMENT			
Depth:							
Process Area:	1			1			
Sample:	22E-005			22E-007			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	480.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L U	U	480.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L UJ	U	1200.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	480.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L U	U	480.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L U	U	480.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L U	U	480.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L U	U	480.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L U	U	1200.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L U	U	480.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L U	U	480.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L U	U	1200.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L U	U	1200.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	480.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	480.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	480.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L U	U	1200.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L U	U	1200.00	ug/kg	U
Acenaphthene	U	10.00	ug/L U	U	480.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L U	U	480.00	ug/kg	U
Anthracene	U	10.00	ug/L U	U	480.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L U	U	480.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L U	U	480.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L U	U	480.00	ug/kg	U
Benzo(g,h,i)perylene	U	10.00	ug/L U	U	480.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L U	U	480.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L U	U	480.00	ug/kg	UJ
Carbazole	U	10.00	ug/L U	U	480.00	ug/kg	U
Chrysene	U	10.00	ug/L U	U	480.00	ug/kg	U
Di-n-butyl phthalate	U	10.00	ug/L U	U	480.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L U	U	480.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	480.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L U	U	480.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L U	U	480.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L U	U	480.00	ug/kg	U
Fluoranthene	U	10.00	ug/L U	J	63.00	ug/kg	J
Fluorene	U	10.00	ug/L U	U	480.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L U	U	480.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L U	U	480.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	480.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L U	U	480.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U	U	480.00	ug/kg	U
Isophorone	U	10.00	ug/L U	U	480.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	480.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	480.00	ug/kg	U
Naphthalene	U	10.00	ug/L U	BJ	480.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SEDIMENT		
Depth:						
Process Area:	1			1		
Sample:	22E-005			22E-007		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
Nitrobenzene	U	10.00	ug/L U	U	480.00	ug/kg U
Pentachlorophenol	U	25.00	ug/L U	U	1200.00	ug/kg U
Phenanthrene	U	10.00	ug/L U	U	480.00	ug/kg U
Phenol	U	10.00	ug/L U	U	480.00	ug/kg U
Pyrene	U	10.00	ug/L U	J	55.00	ug/kg J
Pyridine						
bis(2-Chloroethoxy)methane	U	10.00	ug/L U	U	480.00	ug/kg U
bis(2-Chloroethyl)ether	U	10.00	ug/L U	U	480.00	ug/kg U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L U	U	480.00	ug/kg UJ
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L U	U	480.00	ug/kg UJ
m-Methylphenol						
o-Methylphenol	U	10.00	ug/L U	U	480.00	ug/kg U
p-Chloroaniline	U	10.00	ug/L U	U	480.00	ug/kg U
p-Methylphenol (Cresol)	U	10.00	ug/L U	U	480.00	ug/kg U
Pesticides/PCBs						
4,4'-DDD						
4,4'-DDE						
4,4'-DDT						
Aldrin						
Aroclor-1016						
Aroclor-1221						
Aroclor-1232						
Aroclor-1242						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						
Chlordane						
Dieldrin						
Endosulfan II						
Endosulfan sulfate						
Endosulfan-I						
Endrin						
Endrin aldehyde						
Endrin ketone						
Heptachlor						
Heptachlor epoxide						
Methoxychlor						
Toxaphene						
alpha-BHC						
alpha-Chlordane						
beta-BHC						
delta-BHC						
gamma-BHC (Lindane)						
gamma-Chlordane						

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25F-003				25F-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	R
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/kg	R
Acetone	U	10.00	ug/L	R	U	10.00	ug/kg	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromoform	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/kg	R
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/kg	R
Methylene chloride	U	10.00	ug/L	U	BJ	10.00	ug/kg	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/kg	R
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	R
Toluene	U	10.00	ug/L	U	U	10.00	ug/kg	R
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/kg	R
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
1,2-Dichlorobenzene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
1,3-Dichlorobenzene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
1,4-Dichlorobenzene	J	5.00	ug/L	J	U	330.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2,4,5-Trichlorophenol	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
2,4,6-Trichlorophenol	U	20.00	ug/L	UJ		970.00	ug/kg	-

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25F-003				25F-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2,4-Dimethylphenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2,4-Dinitrophenol	U	50.00	ug/L	UJ	U	800.00	ug/kg	UJ
2,4-Dinitrotoluene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2,6-Dinitrotoluene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2-Chloronaphthalene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2-Chlorophenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
2-Methylnaphthalene	J	3.00	ug/L	J	U	330.00	ug/kg	U
2-Nitroaniline	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
2-Nitrophenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
3,3'-Dichlorobenzidine	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
3-Nitroaniline	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
4-Bromophenyl phenyl ether	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
4-Chloro-3-methylphenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
4-Chlorophenylphenyl ether	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
4-Nitroaniline	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
4-Nitrophenol	U	50.00	ug/L	UJ	U	800.00	ug/kg	U
Acenaphthene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Acenaphthylene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Anthracene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Benzo(a)anthracene	J	4.00	ug/L	J	J	170.00	ug/kg	J
Benzo(a)pyrene	J	5.00	ug/L	J	J	260.00	ug/kg	J
Benzo(b)fluoranthene	J	7.00	ug/L	J		480.00	ug/kg	-
Benzo(g,h,i)perylene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Benzo(k)fluoranthene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Butyl benzyl phthalate	J	20.00	ug/L	UJ	U	330.00	ug/kg	U
Carbazole	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Chrysene	J	6.00	ug/L	J	J	280.00	ug/kg	J
Di-n-butyl phthalate	J	20.00	ug/L	UJ	J	87.00	ug/kg	J
Di-n-octyl phthalate	U	20.00	ug/L	UJ	J	50.00	ug/kg	J
Dibenzo(a,h)anthracene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Dibenzofuran	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Diethyl phthalate	U	20.00	ug/L	UJ	J	95.00	ug/kg	J
Dimethyl phthalate	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Fluoranthene	J	11.00	ug/L	J	J	320.00	ug/kg	J
Fluorene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Hexachlorobenzene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Hexachlorobutadiene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Hexachlorocyclopentadiene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Hexachloroethane	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	20.00	ug/L	UJ	J	110.00	ug/kg	J
Isophorone	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
N-Nitrosodiphenylamine	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Naphthalene	J	9.00	ug/L	J	U	330.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25F-003				25F-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Pentachlorophenol	U	50.00	ug/L	UJ	J	730.00	ug/kg	J
Phenanthrene	J	8.00	ug/L	J	J	140.00	ug/kg	J
Phenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
Pyrene	U	20.00	ug/L	UJ		460.00	ug/kg	-
Pyridine								
bis(2-Chloroethoxy)methane	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
bis(2-Chloroethyl)ether	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate		92.00	ug/L	J		2100.00	ug/kg	-
m-Methylphenol								
o-Methylphenol	U	20.00	ug/L	UJ	U	330.00	ug/kg	U
p-Chloroaniline	U	20.00	ug/L	UJ	J	140.00	ug/kg	J
p-Methylphenol (Cresol)	J	3.00	ug/L	J	U	330.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SEDIMENT			
Depth:							
Process Area:	1			1			
Sample:	25G-007			25G-009			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
Volatile Organics							
1,1,1-Trichloroethane	U	10.00	ug/L U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L UJ	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L U	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L U	U	10.00	ug/kg	U
2-Butanone	U	10.00	ug/L UJ	U	10.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/L R	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L R	U	10.00	ug/kg	U
Acetone	B	14.00	ug/L R		31.00	ug/kg	R
Benzene	U	10.00	ug/L U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/L U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/L UJ	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L U	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L U	U	10.00	ug/kg	U
Chloroethane	U	10.00	ug/L UJ	U	10.00	ug/kg	U
Chloroform	U	10.00	ug/L U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/L U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L U		15.00	ug/kg	-
Methylene chloride	U	10.00	ug/L U	U	10.00	ug/kg	UJ
Styrene	J	7.00	ug/L J		25.00	ug/kg	-
Tetrachloroethene	U	10.00	ug/L U	U	10.00	ug/kg	U
Toluene	U	10.00	ug/L U		14.00	ug/kg	-
Trichloroethene	U	10.00	ug/L U	U	10.00	ug/kg	U
Trichlorofluoromethane							
Vinyl chloride	U	10.00	ug/L U	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L U	J	3.00	ug/kg	J
cis-1,3-Dichloropropene	U	10.00	ug/L U	U	10.00	ug/kg	U
m,p-Xylene							
o-Xylene							
trans-1,2-Dichloroethene							
trans-1,3-Dichloropropene	U	10.00	ug/L U	U	10.00	ug/kg	U
Semivolatile Organics							
1,2,4-Trichlorobenzene	U	10.00	ug/L U	U	680.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L U	U	680.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L U	U	680.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L U	U	680.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L U	U	680.00	ug/kg	U
2,4,5-Trichlorophenol	U	26.00	ug/L U	U	1600.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L U	U	680.00	ug/kg	U

Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25G-007				25G-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
2,4-Dinitrophenol	U	26.00	ug/L	U	U	1600.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	680.00	ug/kg	U
2-Nitroaniline	U	26.00	ug/L	U	U	1600.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	680.00	ug/kg	UJ
3-Nitroaniline	U	26.00	ug/L	U	U	1600.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U	U	1600.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	680.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	680.00	ug/kg	U
4-Nitroaniline	U	26.00	ug/L	U	U	1600.00	ug/kg	U
4-Nitrophenol	U	26.00	ug/L	U	U	1600.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	680.00	ug/kg	UJ
Benzo(a)pyrene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	UJ
Carbazole	U	10.00	ug/L	U	U	680.00	ug/kg	U
Chrysene	U	10.00	ug/L	U	U	680.00	ug/kg	UJ
Di-n-butyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	680.00	ug/kg	U
Diethyl phthalate	J	3.00	ug/L	J	U	680.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	680.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Fluorene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	680.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Isophorone	U	10.00	ug/L	U	U	680.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	680.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	680.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	U	680.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT			
Depth:								
Process Area:	1				1			
Sample:	25G-007				25G-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Pentachlorophenol	U	26.00	ug/L	U	U	1600.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	U	680.00	ug/kg	U
Phenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	U	680.00	ug/kg	UJ
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	680.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	680.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	U	B	2200.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	680.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	680.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	J	350.00	ug/kg	J
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	25H-005

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	B	110.00	ug/L	R
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ
1,2-Dichlorobenzene	U	10.00	ug/L	UJ
1,3-Dichlorobenzene	U	10.00	ug/L	UJ
1,4-Dichlorobenzene	U	10.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	UJ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ

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Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	25H-005

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	UJ
2,4-Dimethylphenol	U	10.00	ug/L	UJ
2,4-Dinitrophenol	U	25.00	ug/L	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	UJ
2,6-Dinitrotoluene	U	10.00	ug/L	UJ
2-Chloronaphthalene	U	10.00	ug/L	UJ
2-Chlorophenol	U	10.00	ug/L	UJ
2-Methylnaphthalene	U	10.00	ug/L	UJ
2-Nitroaniline	U	25.00	ug/L	UJ
2-Nitrophenol	U	10.00	ug/L	UJ
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ
3-Nitroaniline	U	25.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ
4-Nitroaniline	U	25.00	ug/L	UJ
4-Nitrophenol	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	UJ
Acenaphthylene	U	10.00	ug/L	UJ
Anthracene	U	10.00	ug/L	UJ
Benzo(a)anthracene	U	10.00	ug/L	UJ
Benzo(a)pyrene	U	10.00	ug/L	UJ
Benzo(b)fluoranthene	U	10.00	ug/L	UJ
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ
Benzo(k)fluoranthene	U	10.00	ug/L	UJ
Butyl benzyl phthalate	U	10.00	ug/L	UJ
Carbazole	U	10.00	ug/L	UJ
Chrysene	U	10.00	ug/L	UJ
Di-n-butyl phthalate	U	10.00	ug/L	UJ
Di-n-octyl phthalate	U	10.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ
Dibenzofuran	U	10.00	ug/L	UJ
Diethyl phthalate	U	10.00	ug/L	UJ
Dimethyl phthalate	U	10.00	ug/L	UJ
Fluoranthene	U	10.00	ug/L	UJ
Fluorene	U	10.00	ug/L	UJ
Hexachlorobenzene	U	10.00	ug/L	UJ
Hexachlorobutadiene	U	10.00	ug/L	UJ
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ
Hexachloroethane	U	10.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ
Isophorone	U	10.00	ug/L	UJ
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ
Naphthalene	U	10.00	ug/L	UJ

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	25H-005

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	UJ
Pentachlorophenol	U	25.00	ug/L	UJ
Phenanthrene	U	10.00	ug/L	UJ
Phenol	J	1.00	ug/L	J
Pyrene	U	10.00	ug/L	UJ
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	UJ
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	UJ
p-Chloroaniline	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	26C-007

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	J	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	26C-007

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

8800

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	26C-007

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	31A-007				31A-008				31A-009				31A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	13.00	ug/kg	R	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ		25.00	ug/L	J
1,1-Dichloroethene	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		30.00	ug/kg	J		51.00	ug/L	UJ	J	10.00	ug/L	UJ		21.00	ug/L	J
2-Hexanone	U	13.00	ug/kg	R	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	13.00	ug/kg	R	J	6.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		220.00	ug/kg	J	E	4600.00	ug/L	J	BJ	10.00	ug/L	R	E	1300.00	ug/L	J
Benzene	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ		11.00	ug/L	J
Bromodichloromethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	13.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	13.00	ug/kg	R	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Dibromochloromethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethylbenzene	U	13.00	ug/kg	R	J	3.00	ug/L	J	U	10.00	ug/L	UJ		13.00	ug/L	J
Methylene chloride		62.00	ug/kg	J	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	13.00	ug/kg	R	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	13.00	ug/kg	R	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	13.00	ug/kg	R	J	10.00	ug/L	U	U	10.00	ug/L	UJ		69.00	ug/L	J
Trichloroethene	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	13.00	ug/kg	R		17.00	ug/L	-	U	10.00	ug/L	UJ		93.00	ug/L	J
cis-1,3-Dichloropropene	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	13.00	ug/kg	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
1,2-Dichlorobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
1,4-Dichlorobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
2,4,6-Trichlorophenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	31A-007				31A-008				31A-009				31A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2,4-Dimethylphenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2,4-Dinitrophenol	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	UJ
2,4-Dinitrotoluene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2,6-Dinitrotoluene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2-Chloronaphthalene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2-Chlorophenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
2-Methylnaphthalene	J	52.00	ug/kg	J	U	40.00	ug/L	U	U	10.00	ug/L	U	J	4.00	ug/L	J
2-Nitroaniline	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
2-Nitrophenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
3,3'-Dichlorobenzidine	U	340.00	ug/kg	U	U	40.00	ug/L	UJ	U	10.00	ug/L	U	U	11.00	ug/L	U
3-Nitroaniline	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
4-Bromophenyl phenyl ether	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
4-Chloro-3-methylphenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
4-Chlorophenylphenyl ether	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
4-Nitroaniline	U	850.00	ug/kg	UJ	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
4-Nitrophenol	U	850.00	ug/kg	UJ	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	U
Acenaphthene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Acenaphthylene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Anthracene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)anthracene	J	210.00	ug/kg	J	U	40.00	ug/L	UJ	U	10.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)pyrene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Butyl benzyl phthalate		600.00	ug/kg	-		130.00	ug/L	J	J	10.00	ug/L	U	J	2.00	ug/L	J
Carbazole	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Chrysene		580.00	ug/kg	-	U	40.00	ug/L	UJ	U	10.00	ug/L	U	U	11.00	ug/L	U
Di-n-butyl phthalate		500.00	ug/kg	-	J	40.00	ug/L	U	J	10.00	ug/L	U	J	11.00	ug/L	U
Di-n-octyl phthalate	U	340.00	ug/kg	U		87.00	ug/L	J	J	2.00	ug/L	J	J	5.00	ug/L	J
Dibenzo(a,h)anthracene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Dibenzofuran	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Diethyl phthalate	J	250.00	ug/kg	J		190.00	ug/L	-	U	10.00	ug/L	U		15.00	ug/L	-
Dimethyl phthalate	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Fluoranthene		680.00	ug/kg	J	J	5.00	ug/L	J	U	10.00	ug/L	U	U	11.00	ug/L	U
Fluorene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobutadiene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Hexachloroethane	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	340.00	ug/kg	U	U	40.00	ug/L	R	U	10.00	ug/L	UJ	U	11.00	ug/L	U
Isophorone	D	45000.00	ug/kg	-	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
N-Nitrosodiphenylamine	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Naphthalene	J	260.00	ug/kg	J	J	16.00	ug/L	J	U	10.00	ug/L	U	D	200.00	ug/L	-

Appendix L.3 - Additional Data
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:																
Process Area:	1				1				1				1			
Sample:	31A-007				31A-008				31A-009				31A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
Pentachlorophenol	U	850.00	ug/kg	U	U	100.00	ug/L	U	U	25.00	ug/L	U	U	27.00	ug/L	UJ
Phenanthrene		430.00	ug/kg	-	J	8.00	ug/L	J	U	10.00	ug/L	U	U	11.00	ug/L	U
Phenol	U	340.00	ug/kg	U		120.00	ug/L	-	U	10.00	ug/L	U	U	11.00	ug/L	U
Pyrene		640.00	ug/kg	-	J	9.00	ug/L	J	U	10.00	ug/L	U	U	11.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	EB	3000.00	ug/kg	J		280.00	ug/L	J	J	10.00	ug/L	U	E	120.00	ug/L	-
m-Methylphenol																
o-Methylphenol	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
p-Chloroaniline	U	340.00	ug/kg	U	U	40.00	ug/L	U	U	10.00	ug/L	U	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	340.00	ug/kg	U	J	20.00	ug/L	J	U	10.00	ug/L	U	U	11.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	6				7				7			
Sample:	37-023				37-031				37-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ		18.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	6				7				7			
Sample:	37-023				37-031				37-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	R	U	25.00	ug/L	R
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	R	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	R	U	25.00	ug/L	R
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	R	U	25.00	ug/L	R
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:												
Process Area:	6				7				7			
Sample:	37-023				37-031				37-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m-Methylphenol												
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.3 - Additional Data
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39A-011				39A-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/kg	R
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Acetone	U	10.00	ug/L	R		39.00	ug/kg	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromoform	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Methylene chloride	U	10.00	ug/L	U		20.00	ug/kg	-
Styrene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Toluene	U	10.00	ug/L	U	J	2.00	ug/kg	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	840.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID	LOOSE MEDIA
Depth:		
Process Area:	1	1
Sample:	39A-011	39A-013

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	840.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	340.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L	U	U	840.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	340.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	840.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	840.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	840.00	ug/kg	U
4-Nitrophenol	U	25.00	ug/L	U	U	840.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	U	J	110.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U		390.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	190.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	340.00	ug/kg	UJ
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	340.00	ug/kg	UJ
Butyl benzyl phthalate	U	10.00	ug/L	U	J	160.00	ug/kg	J
Carbazole	U	10.00	ug/L	U	U	340.00	ug/kg	U
Chrysene	U	10.00	ug/L	U		490.00	ug/kg	J
Di-n-butyl phthalate	J	10.00	ug/L	U	B	1100.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	U	J	56.00	ug/kg	J
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	J	88.00	ug/kg	J
Dibenzofuran	U	10.00	ug/L	U	U	340.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	J	69.00	ug/kg	J
Dimethyl phthalate	U	10.00	ug/L	U	U	340.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	J	120.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	340.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	340.00	ug/kg	UJ
Isophorone	U	10.00	ug/L	U	U	340.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	340.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	340.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	J	35.00	ug/kg	J

Appendix L.3 - Additional Data
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39A-011				39A-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	340.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	840.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	J	210.00	ug/kg	J
Phenol	U	10.00	ug/L	U	J	65.00	ug/kg	J
Pyrene	U	10.00	ug/L	U	J	280.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	340.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U	U	340.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	B	560.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	340.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	340.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	340.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	39B-006				39B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,1-Dichloroethane		36.00	ug/L	J	U	53.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
2-Butanone		43.00	ug/L	J	U	53.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Acetone		57.00	ug/L	J		69.00	ug/kg	J
Benzene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Bromoform	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Bromomethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Carbon disulfide	J	2.00	ug/L	J	U	53.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Chloroethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Chloroform	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Chloromethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Styrene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Toluene	U	10.00	ug/L	UJ	J	53.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	53.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	50.00	ug/L	UJ	U	11000.00	ug/kg	U
1,2-Dichlorobenzene	U	50.00	ug/L	UJ	U	11000.00	ug/kg	U
1,3-Dichlorobenzene	U	50.00	ug/L	UJ	U	11000.00	ug/kg	U
1,4-Dichlorobenzene	U	50.00	ug/L	UJ	U	11000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	50.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	120.00	ug/L	UJ	U	27000.00	ug/kg	U
2,4,6-Trichlorophenol	U	50.00	ug/L	UJ	U	11000.00	ug/kg	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	UNKNOWN LIQUID			LOOSE MEDIA			
Depth:							
Process Area:	1			1			
Sample:	39B-006			39B-007			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2,4-Dimethylphenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2,4-Dinitrophenol	U	120.00	ug/L UJ	U	27000.00	ug/kg	UJ
2,4-Dinitrotoluene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2,6-Dinitrotoluene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2-Chloronaphthalene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2-Chlorophenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2-Methylnaphthalene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
2-Nitroaniline	U	120.00	ug/L UJ	U	27000.00	ug/kg	U
2-Nitrophenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
3-Nitroaniline	U	120.00	ug/L UJ	U	27000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	120.00	ug/L UJ	U	27000.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
4-Chloro-3-methylphenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
4-Nitroaniline	U	120.00	ug/L UJ	U	27000.00	ug/kg	U
4-Nitrophenol	U	120.00	ug/L UJ	U	27000.00	ug/kg	U
Acenaphthene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Acenaphthylene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Anthracene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Benzo(a)anthracene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Benzo(a)pyrene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Benzo(b)fluoranthene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Benzo(g,h,i)perylene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Benzo(k)fluoranthene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Butyl benzyl phthalate	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Carbazole	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Chrysene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Di-n-butyl phthalate	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Di-n-octyl phthalate	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Dibenzofuran	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Diethyl phthalate	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Dimethyl phthalate	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Fluoranthene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Fluorene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Hexachlorobenzene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Hexachlorobutadiene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Hexachlorocyclopentadiene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Hexachloroethane	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Isophorone	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
N-Nitrosodiphenylamine	U	50.00	ug/L UJ	U	11000.00	ug/kg	UJ
Naphthalene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	UNKNOWN LIQUID			LOOSE MEDIA			
Depth:							
Process Area:	1			1			
Sample:	39B-006			39B-007			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Pentachlorophenol	U	120.00	ug/L UJ	U	27000.00	ug/kg	U
Phenanthrene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Phenol	J	48.00	ug/L J	U	11000.00	ug/kg	U
Pyrene	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
Pyridine							
bis(2-Chloroethoxy)methane	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
bis(2-Chloroisopropyl) ether				U	11000.00	ug/kg	R
bis(2-Ethylhexyl)phthalate	J	5.00	ug/L J	J	11000.00	ug/kg	U
m-Methylphenol							
o-Methylphenol	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
p-Chloroaniline	U	50.00	ug/L UJ	U	11000.00	ug/kg	U
p-Methylphenol (Cresol)	J	4.00	ug/L J	U	11000.00	ug/kg	U
Pesticides/PCBs							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
Aldrin							
Aroclor-1016							
Aroclor-1221							
Aroclor-1232							
Aroclor-1242							
Aroclor-1248							
Aroclor-1254							
Aroclor-1260							
Chlordane							
Dieldrin							
Endosulfan II							
Endosulfan sulfate							
Endosulfan-I							
Endrin							
Endrin aldehyde							
Endrin ketone							
Heptachlor							
Heptachlor epoxide							
Methoxychlor							
Toxaphene							
alpha-BHC							
alpha-Chlordane							
beta-BHC							
delta-BHC							
gamma-BHC (Lindane)							
gamma-Chlordane							

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	SEDIMENT				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	46-006				46-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Acetone	B	13.00	ug/kg	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/kg	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Methylene chloride	J	10.00	ug/kg	U	BJ	10.00	ug/L	UJ
Styrene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/kg	U	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
1,2-Dichlorobenzene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
1,3-Dichlorobenzene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
1,4-Dichlorobenzene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2,4,5-Trichlorophenol	U	1400.00	ug/kg	U	U	26.00	ug/L	UJ
2,4,6-Trichlorophenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	SEDIMENT				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	46-006				46-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2,4-Dimethylphenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2,4-Dinitrophenol	U	1400.00	ug/kg	U	U	26.00	ug/L	UJ
2,4-Dinitrotoluene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2,6-Dinitrotoluene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2-Chloronaphthalene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2-Chlorophenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2-Methylnaphthalene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
2-Nitroaniline	U	1400.00	ug/kg	U	U	26.00	ug/L	UJ
2-Nitrophenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
3,3'-Dichlorobenzidine	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
3-Nitroaniline	U	1400.00	ug/kg	R	U	26.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	1400.00	ug/kg	U	U	26.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
4-Chloro-3-methylphenol	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
4-Chlorophenylphenyl ether	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
4-Nitroaniline	U	1400.00	ug/kg	R	U	26.00	ug/L	UJ
4-Nitrophenol	U	1400.00	ug/kg	U	U	26.00	ug/L	UJ
Acenaphthene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Acenaphthylene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Anthracene	J	97.00	ug/kg	J	U	11.00	ug/L	UJ
Benzo(a)anthracene		740.00	ug/kg	-	U	11.00	ug/L	UJ
Benzo(a)pyrene		860.00	ug/kg	-	U	11.00	ug/L	UJ
Benzo(b)fluoranthene		1300.00	ug/kg	-	U	11.00	ug/L	UJ
Benzo(g,h,i)perylene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Benzo(k)fluoranthene		620.00	ug/kg	-	U	11.00	ug/L	UJ
Butyl benzyl phthalate	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Carbazole	U	560.00	ug/kg	R	U	11.00	ug/L	UJ
Chrysene		720.00	ug/kg	-	U	11.00	ug/L	UJ
Di-n-butyl phthalate	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Di-n-octyl phthalate	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Dibenzofuran	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Diethyl phthalate	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Dimethyl phthalate	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Fluoranthene		780.00	ug/kg	-	U	11.00	ug/L	UJ
Fluorene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Hexachlorobenzene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Hexachlorobutadiene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Hexachlorocyclopentadiene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Hexachloroethane	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene	J	420.00	ug/kg	J	U	11.00	ug/L	UJ
Isophorone	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
N-Nitroso-di-n-propylamine	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
N-Nitrosodiphenylamine	U	560.00	ug/kg	U	U	11.00	ug/L	UJ
Naphthalene	U	560.00	ug/kg	U	U	11.00	ug/L	UJ

Appendix L.3 - Additional Data
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	SEDIMENT			UNKNOWN LIQUID			
Depth:							
Process Area:	1			1			
Sample:	46-006			46-007			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	560.00	ug/kg U	U	11.00	ug/L	UJ
Pentachlorophenol	U	1400.00	ug/kg U	U	26.00	ug/L	UJ
Phenanthrene	J	170.00	ug/kg J	U	11.00	ug/L	UJ
Phenol	U	560.00	ug/kg U	U	11.00	ug/L	UJ
Pyrene		1200.00	ug/kg -	U	11.00	ug/L	UJ
Pyridine							
bis(2-Chloroethoxy)methane	U	560.00	ug/kg U	U	11.00	ug/L	UJ
bis(2-Chloroethyl)ether	U	560.00	ug/kg U	U	11.00	ug/L	UJ
bis(2-Chloroisopropyl) ether							
bis(2-Ethylhexyl)phthalate		610.00	ug/kg -	J	2.00	ug/L	J
m-Methylphenol							
o-Methylphenol	U	560.00	ug/kg U	U	11.00	ug/L	UJ
p-Chloroaniline	U	560.00	ug/kg UJ	U	11.00	ug/L	UJ
p-Methylphenol (Cresol)	U	560.00	ug/kg U	U	11.00	ug/L	UJ
Pesticides/PCBs							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
Aldrin							
Aroclor-1016							
Aroclor-1221							
Aroclor-1232							
Aroclor-1242							
Aroclor-1248							
Aroclor-1254							
Aroclor-1260							
Chlordane							
Dieldrin							
Endosulfan II							
Endosulfan sulfate							
Endosulfan-I							
Endrin							
Endrin aldehyde							
Endrin ketone							
Heptachlor							
Heptachlor epoxide							
Methoxychlor							
Toxaphene							
alpha-BHC							
alpha-Chlordane							
beta-BHC							
delta-BHC							
gamma-BHC (Lindane)							
gamma-Chlordane							

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Appendix L.3 - Additional Data
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	54C-004

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	15.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	15.00	ug/kg	U
1,1,2-Trichloroethane	U	15.00	ug/kg	U
1,1-Dichloroethane	U	15.00	ug/kg	U
1,1-Dichloroethene	U	15.00	ug/kg	U
1,2-Dichloroethane	U	15.00	ug/kg	U
1,2-Dichloroethene (Total)	U	15.00	ug/kg	U
1,2-Dichloropropane	U	15.00	ug/kg	U
2-Butanone	U	15.00	ug/kg	U
2-Hexanone	U	15.00	ug/kg	U
4-Methyl-2-pentanone	U	15.00	ug/kg	U
Acetone	U	15.00	ug/kg	U
Benzene	U	15.00	ug/kg	U
Bromodichloromethane	U	15.00	ug/kg	U
Bromoform	U	15.00	ug/kg	U
Bromomethane	U	15.00	ug/kg	U
Carbon Tetrachloride	U	15.00	ug/kg	U
Carbon disulfide	U	15.00	ug/kg	UJ
Chlorobenzene	U	15.00	ug/kg	U
Chloroethane	U	15.00	ug/kg	U
Chloroform	U	15.00	ug/kg	U
Chloromethane	U	15.00	ug/kg	U
Dibromochloromethane	U	15.00	ug/kg	U
Ethylbenzene	U	15.00	ug/kg	U
Methylene chloride	BJ	15.00	ug/kg	U
Styrene	U	15.00	ug/kg	U
Tetrachloroethene	J	3.00	ug/kg	J
Toluene	U	15.00	ug/kg	U
Trichloroethene	U	15.00	ug/kg	U
Trichlorofluoromethane				
Vinyl chloride	U	15.00	ug/kg	U
Xylenes, Total	U	15.00	ug/kg	U
cis-1,3-Dichloropropene	U	15.00	ug/kg	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	15.00	ug/kg	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	13000.00	ug/kg	U
1,2-Dichlorobenzene	U	13000.00	ug/kg	U
1,3-Dichlorobenzene	U	13000.00	ug/kg	U
1,4-Dichlorobenzene	U	13000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	32000.00	ug/kg	U
2,4,6-Trichlorophenol	U	13000.00	ug/kg	U

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	54C-004

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	13000.00	ug/kg	U
2,4-Dimethylphenol	U	13000.00	ug/kg	U
2,4-Dinitrophenol	U	32000.00	ug/kg	U
2,4-Dinitrotoluene	U	13000.00	ug/kg	U
2,6-Dinitrotoluene	U	13000.00	ug/kg	U
2-Chloronaphthalene	U	13000.00	ug/kg	U
2-Chlorophenol	U	13000.00	ug/kg	U
2-Methylnaphthalene	U	13000.00	ug/kg	U
2-Nitroaniline	U	32000.00	ug/kg	U
2-Nitrophenol	U	13000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	13000.00	ug/kg	UJ
3-Nitroaniline	U	32000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	32000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	13000.00	ug/kg	U
4-Chloro-3-methylphenol	U	13000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	13000.00	ug/kg	U
4-Nitroaniline	U	32000.00	ug/kg	U
4-Nitrophenol	U	32000.00	ug/kg	U
Acenaphthene	J	1300.00	ug/kg	J
Acenaphthylene	U	13000.00	ug/kg	U
Anthracene	U	13000.00	ug/kg	U
Benzo(a)anthracene	J	5400.00	ug/kg	J
Benzo(a)pyrene	J	4900.00	ug/kg	J
Benzo(b)fluoranthene	J	5700.00	ug/kg	J
Benzo(g,h,i)perylene	U	13000.00	ug/kg	U
Benzo(k)fluoranthene	J	6400.00	ug/kg	J
Butyl benzyl phthalate	U	13000.00	ug/kg	U
Carbazole	J	2200.00	ug/kg	J
Chrysene	J	8500.00	ug/kg	J
Di-n-butyl phthalate	U	13000.00	ug/kg	U
Di-n-octyl phthalate	U	13000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	13000.00	ug/kg	U
Dibenzofuran	U	13000.00	ug/kg	U
Diethyl phthalate	U	13000.00	ug/kg	U
Dimethyl phthalate	U	13000.00	ug/kg	U
Fluoranthene		21000.00	ug/kg	-
Fluorene	U	13000.00	ug/kg	U
Hexachlorobenzene	U	13000.00	ug/kg	U
Hexachlorobutadiene	U	13000.00	ug/kg	U
Hexachlorocyclopentadiene	U	13000.00	ug/kg	U
Hexachloroethane	U	13000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	13000.00	ug/kg	U
Isophorone	U	13000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	13000.00	ug/kg	U
N-Nitrosodiphenylamine	U	13000.00	ug/kg	U
Naphthalene	J	13000.00	ug/kg	U

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Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	54C-004

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	13000.00	ug/kg	U
Pentachlorophenol	U	32000.00	ug/kg	U
Phenanthrene		17000.00	ug/kg	-
Phenol	U	13000.00	ug/kg	U
Pyrene		18000.00	ug/kg	-
Pyridine				
bis(2-Chloroethoxy)methane	U	13000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	13000.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	13000.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	BJ	13000.00	ug/kg	U
m-Methylphenol				
o-Methylphenol	U	13000.00	ug/kg	U
p-Chloroaniline	U	13000.00	ug/kg	U
p-Methylphenol (Cresol)	U	13000.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	55B-005				55B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
2-Butanone	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
2-Hexanone	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Acetone	U	51.00	ug/kg	UJ		100.00	ug/L	UJ
Benzene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Bromoform	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Bromomethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Chlorobenzene		63.00	ug/kg	-	U	10.00	ug/L	UJ
Chloroethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroform	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Chloromethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Dibromochloromethane	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Ethylbenzene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Methylene chloride	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Styrene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Tetrachloroethene		61.00	ug/kg	-	U	10.00	ug/L	UJ
Toluene	J	86.00	ug/kg	-	U	10.00	ug/L	UJ
Trichloroethene	J	42.00	ug/kg	J	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Xylenes, Total	J	17.00	ug/kg	J	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	51.00	ug/kg	U	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	10000.00	ug/kg	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	55B-005				55B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	26000.00	ug/kg	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2-Chlorophenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
2-Nitroaniline	U	10000.00	ug/kg	U	U	25.00	ug/L	U
2-Nitrophenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10000.00	ug/kg	U	U	10.00	ug/L	U
3-Nitroaniline	U	10000.00	ug/kg	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	26000.00	ug/kg	U	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10000.00	ug/kg	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10000.00	ug/kg	U	U	10.00	ug/L	U
4-Nitroaniline	U	26000.00	ug/kg	U	U	25.00	ug/L	U
4-Nitrophenol	U	26000.00	ug/kg	U	U	25.00	ug/L	U
Acenaphthene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Acenaphthylene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Anthracene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Carbazole	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Chrysene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Dibenzofuran	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Diethyl phthalate	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Fluoranthene	U	10000:00	ug/kg	U	U	10.00	ug/L	U
Fluorene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Hexachloroethane	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Isophorone	U	10000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10000.00	ug/kg	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Naphthalene	U	10000.00	ug/kg	U	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	55B-005				55B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Pentachlorophenol	U	26000.00	ug/kg	U	U	25.00	ug/L	U
Phenanthrene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Phenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Pyrene	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Pyridine								
bis(2-Chloroethoxy)methane	U	10000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10000.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	JB	10000.00	ug/kg	U	U	10.00	ug/L	U
m-Methylphenol								
o-Methylphenol	U	10000.00	ug/kg	U	U	10.00	ug/L	U
p-Chloroaniline	U	10000.00	ug/kg	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10000.00	ug/kg	U	U	10.00	ug/L	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				OIL				UNKNOWN LIQUID			
Depth:																
Process Area:	2				3				3				3			
Sample:	66-010				66-017				66-017-O				66-017-L			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	E	290.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	J	5.00	ug/L	J
1,1-Dichloroethene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
2-Butanone	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	E	6100.00	ug/L	J
2-Hexanone	U	1700.00	ug/kg	UJ					U	50000.00	ug/kg	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U		95.00	ug/L	J
Acetone	BJ	1700.00	ug/kg	UJ					B	56000.00	ug/kg	UJ	D	510000.00	ug/L	J
Benzene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromoform	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Bromomethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Carbon disulfide	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Chlorobenzene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloroform	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Chloromethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Dibromochloromethane	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Ethylbenzene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	J	6.00	ug/L	J
Methylene chloride	U	1700.00	ug/kg	U						93000.00	ug/kg	-	E	5100.00	ug/L	J
Styrene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Tetrachloroethene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	J	3.00	ug/L	J
Toluene	U	1700.00	ug/kg	U					J	19000.00	ug/kg	J	E	370.00	ug/L	J
Trichloroethene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	J	9.00	ug/L	J
Xylenes, Total	J	580.00	ug/kg	J					U	50000.00	ug/kg	U		34.00	ug/L	J
cis-1,3-Dichloropropene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	1700.00	ug/kg	U					U	50000.00	ug/kg	U	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
1,2-Dichlorobenzene	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
1,3-Dichlorobenzene	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
1,4-Dichlorobenzene	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
2,2-oxybis(1-Chloropropane)	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
2,4,5-Trichlorophenol	U	1100.00	ug/kg	U	U	660.00	ug/L	UJ								
2,4,6-Trichlorophenol	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								

0021011

Appendix L.3 - Additional Data
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	LOOSE MEDIA			UNKNOWN LIQUID			OIL			UNKNOWN LIQUID		
Depth:												
Process Area:	2			3			3			3		
Sample:	66-010			66-017			66-017-O			66-017-L		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2,4-Dimethylphenol	J	32.00	ug/kg J	U	260.00	ug/L UJ						
2,4-Dinitrophenol	U	1100.00	ug/kg U	U	660.00	ug/L UJ						
2,4-Dinitrotoluene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2,6-Dinitrotoluene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2-Chloronaphthalene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2-Chlorophenol	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2-Methylnaphthalene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
2-Nitroaniline	U	1100.00	ug/kg U	U	660.00	ug/L UJ						
2-Nitrophenol	U	440.00	ug/kg U	U	260.00	ug/L UJ						
3,3'-Dichlorobenzidine	U	440.00	ug/kg U	U	260.00	ug/L UJ						
3-Nitroaniline	U	1100.00	ug/kg U	U	660.00	ug/L UJ						
4,6-Dinitro-2-methylphenol	U	1100.00	ug/kg U	U	660.00	ug/L UJ						
4-Bromophenyl phenyl ether	U	440.00	ug/kg U	U	260.00	ug/L UJ						
4-Chloro-3-methylphenol	U	440.00	ug/kg U	U	260.00	ug/L UJ						
4-Chlorophenylphenyl ether	U	440.00	ug/kg U	U	260.00	ug/L UJ						
4-Nitroaniline	U	1100.00	ug/kg UJ	U	660.00	ug/L UJ						
4-Nitrophenol	U	1100.00	ug/kg UJ	U	660.00	ug/L UJ						
Acenaphthene	J	31.00	ug/kg J	U	260.00	ug/L UJ						
Acenaphthylene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Anthracene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Benzo(a)anthracene	J	170.00	ug/kg J	U	260.00	ug/L UJ						
Benzo(a)pyrene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Benzo(b)fluoranthene	J	390.00	ug/kg J	U	260.00	ug/L UJ						
Benzo(g,h,i)perylene	J	360.00	ug/kg J	U	260.00	ug/L UJ						
Benzo(k)fluoranthene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Butyl benzyl phthalate	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Carbazole	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Chrysene		440.00	ug/kg -	U	260.00	ug/L UJ						
Di-n-butyl phthalate	J	300.00	ug/kg J	U	260.00	ug/L UJ						
Di-n-octyl phthalate	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Dibenzo(a,h)anthracene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Dibenzofuran	J	36.00	ug/kg J	U	260.00	ug/L UJ						
Diethyl phthalate	U	440.00	ug/kg U	J	87.00	ug/L J						
Dimethyl phthalate	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Fluoranthene		720.00	ug/kg J	U	260.00	ug/L UJ						
Fluorene	J	55.00	ug/kg J	U	260.00	ug/L UJ						
Hexachlorobenzene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Hexachlorobutadiene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Hexachlorocyclopentadiene	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Hexachloroethane	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Indeno(1,2,3-cd)pyrene	J	100.00	ug/kg J	U	260.00	ug/L UJ						
Isophorone	U	440.00	ug/kg U	U	260.00	ug/L UJ						
N-Nitroso-di-n-propylamine	U	440.00	ug/kg U	U	260.00	ug/L UJ						
N-Nitrosodiphenylamine	U	440.00	ug/kg U	U	260.00	ug/L UJ						
Naphthalene	J	35.00	ug/kg J	U	260.00	ug/L UJ						

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Appendix L.3 - Additional Data
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID				OIL				UNKNOWN LIQUID			
Depth:																
Process Area:	2				3				3				3			
Sample:	66-010				66-017				66-017-O				66-017-L			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
Pentachlorophenol	U	1100.00	ug/kg	U	U	660.00	ug/L	UJ								
Phenanthrene		460.00	ug/kg	-	U	260.00	ug/L	UJ								
Phenol	J	75.00	ug/kg	J	U	260.00	ug/L	UJ								
Pyrene		1900.00	ug/kg	-	U	260.00	ug/L	UJ								
Pyridine																
bis(2-Chloroethoxy)methane	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
bis(2-Chloroethyl)ether	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	EB	18000.00	ug/kg	J	U	260.00	ug/L	UJ								
m-Methylphenol																
o-Methylphenol	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
p-Chloroaniline	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	440.00	ug/kg	U	U	260.00	ug/L	UJ								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.3 - Additional Data
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SLUDGE			
Depth:								
Process Area:	1				1			
Sample:	69-009				69-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,1,2-Trichloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,1-Dichloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,1-Dichloroethene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,2-Dichloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,2-Dichloroethene (Total)	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
1,2-Dichloropropane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
2-Butanone	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	UJ
2-Hexanone	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
4-Methyl-2-pentanone	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Acetone	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Benzene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Bromodichloromethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Bromoform	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Bromomethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Carbon Tetrachloride	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Carbon disulfide	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Chlorobenzene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Chloroethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Chloroform	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Chloromethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Dibromochloromethane	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Ethylbenzene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Methylene chloride	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Styrene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Tetrachloroethene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Toluene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Trichloroethene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Xylenes, Total	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
cis-1,3-Dichloropropene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	1000.00	ug/L	UJ	U	12000.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	4700.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	4700.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	4700.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	4700.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	4700.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	12000.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	4700.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID			SLUDGE		
Depth:						
Process Area:	1			1		
Sample:	69-009			69-012		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	4700.00	ug/kg U
2,4-Dimethylphenol	J	1.00	ug/L J	U	4700.00	ug/kg U
2,4-Dinitrophenol	U	25.00	ug/L UJ	U	12000.00	ug/kg UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	4700.00	ug/kg U
2,6-Dinitrotoluene	U	10.00	ug/L U	U	4700.00	ug/kg U
2-Chloronaphthalene	U	10.00	ug/L U	U	4700.00	ug/kg U
2-Chlorophenol	U	10.00	ug/L U	U	4700.00	ug/kg U
2-Methylnaphthalene	U	10.00	ug/L U	J	110.00	ug/kg J
2-Nitroaniline	U	25.00	ug/L U	U	12000.00	ug/kg U
2-Nitrophenol	U	10.00	ug/L U	U	4700.00	ug/kg U
3,3'-Dichlorobenzidine	U	10.00	ug/L U	U	470.00	ug/kg U
3-Nitroaniline	U	25.00	ug/L U	U	12000.00	ug/kg U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L UJ	U	12000.00	ug/kg U
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	4700.00	ug/kg U
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	4700.00	ug/kg U
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	4700.00	ug/kg U
4-Nitroaniline	U	25.00	ug/L U	U	12000.00	ug/kg UJ
4-Nitrophenol	U	25.00	ug/L U	U	12000.00	ug/kg U
Acenaphthene	U	10.00	ug/L U	J	130.00	ug/kg J
Acenaphthylene	U	10.00	ug/L U	U	4700.00	ug/kg U
Anthracene	U	10.00	ug/L U	U	4700.00	ug/kg U
Benzo(a)anthracene	U	10.00	ug/L U	DJ	1000.00	ug/kg J
Benzo(a)pyrene	U	10.00	ug/L U	DJ	920.00	ug/kg J
Benzo(b)fluoranthene	U	10.00	ug/L U	DJ	1300.00	ug/kg J
Benzo(g,h,i)perylene	U	10.00	ug/L U		760.00	ug/kg -
Benzo(k)fluoranthene	U	10.00	ug/L U	DJ	1100.00	ug/kg J
Butyl benzyl phthalate	U	10.00	ug/L U		560.00	ug/kg -
Carbazole	U	10.00	ug/L U	U	4700.00	ug/kg U
Chrysene	U	10.00	ug/L U		2100.00	ug/kg -
Di-n-butyl phthalate	J	10.00	ug/L U	DJ	1800.00	ug/kg J
Di-n-octyl phthalate	U	10.00	ug/L U		690.00	ug/kg -
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	470.00	ug/kg U
Dibenzofuran	U	10.00	ug/L U	J	110.00	ug/kg J
Diethyl phthalate	U	10.00	ug/L U	U	4700.00	ug/kg U
Dimethyl phthalate	U	10.00	ug/L U	J	170.00	ug/kg J
Fluoranthene	U	10.00	ug/L U	DJ	3000.00	ug/kg J
Fluorene	U	10.00	ug/L U	J	160.00	ug/kg J
Hexachlorobenzene	U	10.00	ug/L U	U	4700.00	ug/kg U
Hexachlorobutadiene	U	10.00	ug/L U	U	4700.00	ug/kg U
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	4700.00	ug/kg U
Hexachloroethane	U	10.00	ug/L U	U	4700.00	ug/kg U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U		700.00	ug/kg -
Isophorone	U	10.00	ug/L U	U	4700.00	ug/kg U
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	4700.00	ug/kg U
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	4700.00	ug/kg U
Naphthalene	U	10.00	ug/L U	J	120.00	ug/kg J

Appendix L.3 - Additional Data
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SLUDGE			
Depth:								
Process Area:	1				1			
Sample:	69-009				69-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	4700.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	12000.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	DJ	2300.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	4700.00	ug/kg	U
Pyrene	U	10.00	ug/L	U		2400.00	ug/kg	-
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	4700.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	4700.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	6.00	ug/L	J	D	38000.00	ug/kg	-
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	4700.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	4700.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	4700.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74A-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	J	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74A-003

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74A-003

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	74C-003				74C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	13.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	13.00	ug/kg	U	U	10.00	ug/L	U
2-Butanone	U	13.00	ug/kg	UJ		56.00	ug/L	U
2-Hexanone	U	13.00	ug/kg	R	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	13.00	ug/kg	U	U	10.00	ug/L	UJ
Acetone	U	13.00	ug/kg	UJ		16.00	ug/L	UJ
Benzene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Bromodichloromethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
Bromoform	U	13.00	ug/kg	U	U	10.00	ug/L	U
Bromomethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	13.00	ug/kg	U	U	10.00	ug/L	U
Carbon disulfide	U	13.00	ug/kg	U	U	10.00	ug/L	U
Chlorobenzene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Chloroethane	U	13.00	ug/kg	UJ	U	10.00	ug/L	U
Chloroform	U	13.00	ug/kg	U	U	10.00	ug/L	U
Chloromethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
Dibromochloromethane	U	13.00	ug/kg	U	U	10.00	ug/L	U
Ethylbenzene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Methylene chloride	U	13.00	ug/kg	UJ	U	10.00	ug/L	U
Styrene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Tetrachloroethene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Toluene	U	13.00	ug/kg	U	J	10.00	ug/L	U
Trichloroethene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	13.00	ug/kg	U	U	10.00	ug/L	U
Xylenes, Total	U	13.00	ug/kg	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	13.00	ug/kg	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	13.00	ug/kg	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	370.00	ug/kg	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	900.00	ug/kg	U	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	370.00	ug/kg	U	U	10.00	ug/L	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	74C-003				74C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	900.00	ug/kg	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	370.00	ug/kg	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	370.00	ug/kg	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	370.00	ug/kg	U	U	10.00	ug/L	U
2-Chlorophenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
2-Methylnaphthalene	J	65.00	ug/kg	J	U	10.00	ug/L	U
2-Nitroaniline	U	900.00	ug/kg	U	U	25.00	ug/L	U
2-Nitrophenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	370.00	ug/kg	U	U	10.00	ug/L	U
3-Nitroaniline	U	900.00	ug/kg	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	900.00	ug/kg	U	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	370.00	ug/kg	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	370.00	ug/kg	U	U	10.00	ug/L	U
4-Nitroaniline	U	900.00	ug/kg	U	U	25.00	ug/L	U
4-Nitrophenol	U	900.00	ug/kg	U	U	25.00	ug/L	U
Acenaphthene	J	120.00	ug/kg	J	U	10.00	ug/L	U
Acenaphthylene	J	21.00	ug/kg	J	U	10.00	ug/L	U
Anthracene	J	340.00	ug/kg	J	U	10.00	ug/L	U
Benzo(a)anthracene		860.00	ug/kg	-	U	10.00	ug/L	U
Benzo(a)pyrene		700.00	ug/kg	-	U	10.00	ug/L	U
Benzo(b)fluoranthene		940.00	ug/kg	-	U	10.00	ug/L	U
Benzo(g,h,i)perylene		680.00	ug/kg	-	U	10.00	ug/L	U
Benzo(k)fluoranthene		700.00	ug/kg	-	U	10.00	ug/L	U
Butyl benzyl phthalate	J	75.00	ug/kg	J	U	10.00	ug/L	U
Carbazole	J	180.00	ug/kg	J	U	10.00	ug/L	U
Chrysene		1000.00	ug/kg	-	U	10.00	ug/L	U
Di-n-butyl phthalate	B	1500.00	ug/kg	U	U	10.00	ug/L	U
Di-n-octyl phthalate	J	210.00	ug/kg	J	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	370.00	ug/kg	U	U	10.00	ug/L	U
Dibenzofuran	J	98.00	ug/kg	J	U	10.00	ug/L	U
Diethyl phthalate	U	370.00	ug/kg	U	U	10.00	ug/L	U
Dimethyl phthalate	U	370.00	ug/kg	U	U	10.00	ug/L	U
Fluoranthene		1600.00	ug/kg	-	U	10.00	ug/L	U
Fluorene	J	130.00	ug/kg	J	U	10.00	ug/L	U
Hexachlorobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	370.00	ug/kg	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	370.00	ug/kg	U	U	10.00	ug/L	U
Hexachloroethane	U	370.00	ug/kg	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene		630.00	ug/kg	-	U	10.00	ug/L	U
Isophorone	U	370.00	ug/kg	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	370.00	ug/kg	UJ	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	370.00	ug/kg	U	U	10.00	ug/L	U
Naphthalene	J	61.00	ug/kg	J	U	10.00	ug/L	U

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	LOOSE MEDIA				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	74C-003				74C-004			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	370.00	ug/kg	U	U	10.00	ug/L	U
Pentachlorophenol	U	900.00	ug/kg	U	U	25.00	ug/L	U
Phenanthrene		1600.00	ug/kg	-	U	10.00	ug/L	U
Phenol	U	370.00	ug/kg	U	J	10.00	ug/L	U
Pyrene		2600.00	ug/kg	-	U	10.00	ug/L	U
Pyridine								
bis(2-Chloroethoxy)methane	U	370.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	370.00	ug/kg	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	EB	4800.00	ug/kg	U	U	10.00	ug/L	U
m-Methylphenol								
o-Methylphenol	U	370.00	ug/kg	U	U	10.00	ug/L	U
p-Chloroaniline	U	370.00	ug/kg	UJ	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	370.00	ug/kg	U	U	10.00	ug/L	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74D-003				74D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	54.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	54.00	ug/kg	U
2-Butanone	U	10.00	ug/L	U	U	54.00	ug/kg	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	54.00	ug/kg	R
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	54.00	ug/kg	U
Acetone	U	10.00	ug/L	UJ	U	54.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	54.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	54.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	54.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	54.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	54.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	54.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	54.00	ug/kg	UJ
Styrene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Toluene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	54.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	54.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	54.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	54.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
1,2-Dichlorobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
1,3-Dichlorobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
1,4-Dichlorobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2,4,5-Trichlorophenol	U	36.00	ug/L	U	U	10000.00	ug/kg	U
2,4,6-Trichlorophenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74D-003				74D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2,4-Dimethylphenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2,4-Dinitrophenol	U	36.00	ug/L	U	U	25000.00	ug/kg	U
2,4-Dinitrotoluene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2,6-Dinitrotoluene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2-Chloronaphthalene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2-Chlorophenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2-Methylnaphthalene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
2-Nitroaniline	U	36.00	ug/L	U	U	10000.00	ug/kg	U
2-Nitrophenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
3,3'-Dichlorobenzidine	U	14.00	ug/L	U	U	10000.00	ug/kg	U
3-Nitroaniline	U	36.00	ug/L	U	U	10000.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	36.00	ug/L	U	U	25000.00	ug/kg	U
4-Bromophenyl phenyl ether	U	14.00	ug/L	U	U	10000.00	ug/kg	U
4-Chloro-3-methylphenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
4-Chlorophenylphenyl ether	U	14.00	ug/L	U	U	10000.00	ug/kg	U
4-Nitroaniline	U	36.00	ug/L	U	U	25000.00	ug/kg	U
4-Nitrophenol	U	36.00	ug/L	U	U	25000.00	ug/kg	U
Acenaphthene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Acenaphthylene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Anthracene	U	14.00	ug/L	U	J	750.00	ug/kg	J
Benzo(a)anthracene	U	14.00	ug/L	U	J	520.00	ug/kg	J
Benzo(a)pyrene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Benzo(b)fluoranthene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Benzo(g,h,i)perylene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Benzo(k)fluoranthene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Butyl benzyl phthalate	U	14.00	ug/L	U	J	590.00	ug/kg	J
Carbazole	U	14.00	ug/L	U	J	550.00	ug/kg	J
Chrysene	U	14.00	ug/L	U	J	530.00	ug/kg	J
Di-n-butyl phthalate	U	14.00	ug/L	U	J	10000.00	ug/kg	U
Di-n-octyl phthalate	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Dibenzo(a,h)anthracene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Dibenzofuran	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Diethyl phthalate	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Dimethyl phthalate	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Fluoranthene	U	14.00	ug/L	U	J	1400.00	ug/kg	J
Fluorene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Hexachlorobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Hexachlorobutadiene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Hexachlorocyclopentadiene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Hexachloroethane	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Isophorone	U	14.00	ug/L	U	U	10000.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	14.00	ug/L	U	U	10000.00	ug/kg	U
N-Nitrosodiphenylamine	U	14.00	ug/L	UJ	U	10000.00	ug/kg	UJ
Naphthalene	U	14.00	ug/L	U	U	10000.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74D-003				74D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Pentachlorophenol	U	36.00	ug/L	U	U	25000.00	ug/kg	U
Phenanthrene	U	14.00	ug/L	U	J	730.00	ug/kg	J
Phenol	U	14.00	ug/L	U	J	560.00	ug/kg	J
Pyrene	U	14.00	ug/L	U	J	1700.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	14.00	ug/L	U	U	10000.00	ug/kg	U
bis(2-Chloroethyl)ether	U	14.00	ug/L	U	U	10000.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	14.00	ug/L	U	J	10000.00	ug/kg	U
m-Methylphenol								
o-Methylphenol	U	14.00	ug/L	U	U	10000.00	ug/kg	U
p-Chloroaniline	U	14.00	ug/L	R	U	10000.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	14.00	ug/L	U	U	10000.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	74G-005				74G-006 DUP				74G-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,1,2-Trichloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,1-Dichloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,1-Dichloroethene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,2-Dichloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,2-Dichloroethene (Total)	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
1,2-Dichloropropane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
2-Butanone	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
2-Hexanone	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
4-Methyl-2-pentanone	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Acetone	U	50.00	ug/L	UJ		120.00	ug/L	UJ	J	1800.00	ug/kg	U
Benzene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Bromodichloromethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Bromoform	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Bromomethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Carbon Tetrachloride	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Carbon disulfide	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Chlorobenzene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Chloroethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Chloroform	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Chloromethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	UJ
Dibromochloromethane	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Ethylbenzene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Methylene chloride	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Styrene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Tetrachloroethene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Toluene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Trichloroethene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Trichlorofluoromethane												
Vinyl chloride	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Xylenes, Total	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	360.00	ug/kg	J
cis-1,3-Dichloropropene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	50.00	ug/L	UJ	U	50.00	ug/L	UJ	U	1800.00	ug/kg	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	74G-005				74G-006 DUP				74G-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	29.00	ug/kg	J
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R	U	10.00	ug/L	R	U	540.00	ug/kg	R
3-Nitroaniline	U	25.00	ug/L	R	U	25.00	ug/L	R	U	1400.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	110.00	ug/kg	J
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	340.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	310.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U		670.00	ug/kg	-
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	370.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	J	420.00	ug/kg	J
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U	J	88.00	ug/kg	J
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	380.00	ug/kg	J
Di-n-butyl phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	JB	540.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		540.00	ug/kg	-
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Diethyl phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	U	540.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U		630.00	ug/kg	-
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	370.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:												
Process Area:	1				1				1			
Sample:	74G-005				74G-006 DUP				74G-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U	U	1400.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	390.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U		590.00	ug/kg	-
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	B	2400.00	ug/kg	-
m-Methylphenol												
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	540.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	540.00	ug/kg	U
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

800028

9212

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74N-004

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	14.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	14.00	ug/kg	U
1,1,2-Trichloroethane	U	14.00	ug/kg	U
1,1-Dichloroethane	U	14.00	ug/kg	U
1,1-Dichloroethene	U	14.00	ug/kg	U
1,2-Dichloroethane	U	14.00	ug/kg	U
1,2-Dichloroethene (Total)	U	14.00	ug/kg	U
1,2-Dichloropropane	U	14.00	ug/kg	U
2-Butanone	U	14.00	ug/kg	U
2-Hexanone	U	14.00	ug/kg	U
4-Methyl-2-pentanone	U	14.00	ug/kg	U
Acetone	JB	14.00	ug/kg	U
Benzene	U	14.00	ug/kg	U
Bromodichloromethane	U	14.00	ug/kg	U
Bromoform	U	14.00	ug/kg	U
Bromomethane	U	14.00	ug/kg	U
Carbon Tetrachloride	U	14.00	ug/kg	U
Carbon disulfide	U	14.00	ug/kg	U
Chlorobenzene	U	14.00	ug/kg	U
Chloroethane	U	14.00	ug/kg	U
Chloroform	U	14.00	ug/kg	U
Chloromethane	U	14.00	ug/kg	U
Dibromochloromethane	U	14.00	ug/kg	U
Ethylbenzene	U	14.00	ug/kg	U
Methylene chloride	J	14.00	ug/kg	U
Styrene	U	14.00	ug/kg	U
Tetrachloroethene	U	14.00	ug/kg	U
Toluene	U	14.00	ug/kg	U
Trichloroethene	U	14.00	ug/kg	U
Trichlorofluoromethane				
Vinyl chloride	U	14.00	ug/kg	U
Xylenes, Total	U	14.00	ug/kg	U
cis-1,3-Dichloropropene	U	14.00	ug/kg	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	14.00	ug/kg	U
emivolatile Organics				
1,2,4-Trichlorobenzene	U	2300.00	ug/kg	U
1,2-Dichlorobenzene	U	2300.00	ug/kg	U
1,3-Dichlorobenzene	U	2300.00	ug/kg	U
1,4-Dichlorobenzene	U	2300.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	2300.00	ug/kg	U
2,4,5-Trichlorophenol	U	5800.00	ug/kg	U
2,4,6-Trichlorophenol	U	2300.00	ug/kg	U

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74N-004

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	2300.00	ug/kg	U
2,4-Dimethylphenol	U	2300.00	ug/kg	U
2,4-Dinitrophenol	U	5800.00	ug/kg	U
2,4-Dinitrotoluene	U	2300.00	ug/kg	U
2,6-Dinitrotoluene	U	2300.00	ug/kg	U
2-Chloronaphthalene	U	2300.00	ug/kg	U
2-Chlorophenol	U	2300.00	ug/kg	U
2-Methylnaphthalene	U	2300.00	ug/kg	U
2-Nitroaniline	U	5800.00	ug/kg	U
2-Nitrophenol	U	2300.00	ug/kg	U
3,3'-Dichlorobenzidine	U	2300.00	ug/kg	U
3-Nitroaniline	U	5800.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	5800.00	ug/kg	U
4-Bromophenyl phenyl ether	U	2300.00	ug/kg	U
4-Chloro-3-methylphenol	U	2300.00	ug/kg	U
4-Chlorophenylphenyl ether	U	2300.00	ug/kg	U
4-Nitroaniline	U	5800.00	ug/kg	U
4-Nitrophenol	U	5800.00	ug/kg	U
Acenaphthene	U	2300.00	ug/kg	U
Acenaphthylene	U	2300.00	ug/kg	U
Anthracene	U	2300.00	ug/kg	U
Benzo(a)anthracene	J	250.00	ug/kg	J
Benzo(a)pyrene	U	2300.00	ug/kg	U
Benzo(b)fluoranthene	U	2300.00	ug/kg	U
Benzo(g,h,i)perylene	U	2300.00	ug/kg	U
Benzo(k)fluoranthene	U	2300.00	ug/kg	U
Butyl benzyl phthalate	U	2300.00	ug/kg	U
Carbazole	U	2300.00	ug/kg	U
Chrysene	J	320.00	ug/kg	J
Di-n-butyl phthalate	B	2800.00	ug/kg	U
Di-n-octyl phthalate	J	540.00	ug/kg	J
Dibenzo(a,h)anthracene	U	2300.00	ug/kg	U
Dibenzofuran	U	2300.00	ug/kg	U
Diethyl phthalate	U	2300.00	ug/kg	U
Dimethyl phthalate	JB	2300.00	ug/kg	U
Fluoranthene	J	580.00	ug/kg	J
Fluorene	U	2300.00	ug/kg	U
Hexachlorobenzene	U	2300.00	ug/kg	U
Hexachlorobutadiene	U	2300.00	ug/kg	U
Hexachlorocyclopentadiene	U	2300.00	ug/kg	U
Hexachloroethane	U	2300.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	2300.00	ug/kg	U
Isophorone	U	2300.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	2300.00	ug/kg	U
N-Nitrosodiphenylamine	U	2300.00	ug/kg	U
Naphthalene	U	2300.00	ug/kg	U

001030
2173

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74N-004

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	2300.00	ug/kg	U
Pentachlorophenol	U	5800.00	ug/kg	U
Phenanthrene	J	460.00	ug/kg	J
Phenol	U	2300.00	ug/kg	U
Pyrene	J	550.00	ug/kg	J
Pyridine				
bis(2-Chloroethoxy)methane	U	2300.00	ug/kg	U
bis(2-Chloroethyl)ether	U	2300.00	ug/kg	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	410.00	ug/kg	J
m-Methylphenol				
o-Methylphenol	U	2300.00	ug/kg	U
p-Chloroaniline	U	2300.00	ug/kg	U
p-Methylphenol (Cresol)	U	2300.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74Q-005				74Q-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	12.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	12.00	ug/kg	U
2-Butanone	U	10.00	ug/L	UJ	U	12.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	UJ	U	12.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	12.00	ug/kg	U
Acetone	U	10.00	ug/L	R	U	12.00	ug/kg	UJ
Benzene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	12.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	12.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	12.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	12.00	ug/kg	U
Chloromethane	U	10.00	ug/L	UJ	U	12.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	12.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	12.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Toluene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	12.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U	U	12.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	12.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	12.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	390.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	390.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	390.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	390.00	ug/kg	U
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	970.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	390.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	UNKNOWN LIQUID			LOOSE MEDIA			
Depth:							
Process Area:	1			1			
Sample:	74Q-005			74Q-007			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L U	U	390.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L U	U	390.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L U	U	970.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L U	U	390.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L U	U	390.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L U	U	390.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L U	U	390.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L U	J	230.00	ug/kg	J
2-Nitroaniline	U	25.00	ug/L U	U	970.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L U	U	390.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L UJ	U	390.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L U	U	970.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L U	U	970.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L U	U	390.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L U	U	390.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L U	U	390.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L U	U	970.00	ug/kg	UJ
4-Nitrophenol	U	25.00	ug/L U	U	970.00	ug/kg	U
Acenaphthene	U	10.00	ug/L U		1500.00	ug/kg	-
Acenaphthylene	U	10.00	ug/L U	U	390.00	ug/kg	U
Anthracene	U	10.00	ug/L U		2200.00	ug/kg	-
Benzo(a)anthracene	U	10.00	ug/L U		4200.00	ug/kg	-
Benzo(a)pyrene	U	10.00	ug/L U		3800.00	ug/kg	-
Benzo(b)fluoranthene	U	10.00	ug/L U		3700.00	ug/kg	-
Benzo(g,h,i)perylene	U	10.00	ug/L U		1600.00	ug/kg	-
Benzo(k)fluoranthene	U	10.00	ug/L U		3200.00	ug/kg	-
Butyl benzyl phthalate	U	10.00	ug/L U	U	390.00	ug/kg	UJ
Carbazole	U	10.00	ug/L U		1300.00	ug/kg	-
Chrysene	U	10.00	ug/L U		4500.00	ug/kg	-
Di-n-butyl phthalate	U	10.00	ug/L U	U	390.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L U	U	390.00	ug/kg	UJ
Dibenzo(a,h)anthracene	U	10.00	ug/L U	U	390.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L U		680.00	ug/kg	-
Diethyl phthalate	U	10.00	ug/L U	U	390.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L U	U	390.00	ug/kg	U
Fluoranthene	U	10.00	ug/L U		9400.00	ug/kg	-
Fluorene	U	10.00	ug/L U		1300.00	ug/kg	-
Hexachlorobenzene	U	10.00	ug/L U	U	390.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L U	U	390.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L U	U	390.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L U	U	390.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L U		2400.00	ug/kg	-
Isophorone	U	10.00	ug/L U	U	390.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L U	U	390.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L U	U	390.00	ug/kg	U
Naphthalene	U	10.00	ug/L U	BJ	390.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74Q-005				74Q-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	390.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	970.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U		5400.00	ug/kg	-
Phenol	U	10.00	ug/L	U	U	390.00	ug/kg	U
Pyrene	U	10.00	ug/L	U		6200.00	ug/kg	-
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	390.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	390.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U	U	390.00	ug/kg	UJ
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	U	390.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	390.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	390.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	390.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74R-007				74R-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/kg	U
2-Butanone		110.00	ug/L	-		14.00	ug/kg	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/kg	U
Acetone	B	16.00	ug/L	UJ	U	20.00	ug/kg	U
Benzene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Chloroform	U	10.00	ug/L	U	U	10.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	J	6.00	ug/kg	J
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Toluene	J	4.00	ug/L	J	J	6.00	ug/kg	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/kg	UJ
Xylenes, Total	U	10.00	ug/L	U		27.00	ug/kg	-
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/kg	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	3700.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	9300.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74R-007				74R-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2,4-Dinitrophenol	U	25.00	ug/L	U	U	9300.00	ug/kg	U
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
2-Nitroaniline	U	25.00	ug/L	U	U	9300.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	3700.00	ug/kg	UJ
3-Nitroaniline	U	25.00	ug/L	U	U	9300.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	9300.00	ug/kg	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	3700.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	3700.00	ug/kg	U
4-Nitroaniline	U	25.00	ug/L	U	U	9300.00	ug/kg	U
4-Nitrophenol	U	25.00	ug/L	U	U	9300.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Anthracene	U	10.00	ug/L	U	J	240.00	ug/kg	J
Benzo(a)anthracene	U	10.00	ug/L	U	J	830.00	ug/kg	J
Benzo(a)pyrene	U	10.00	ug/L	U	J	660.00	ug/kg	J
Benzo(b)fluoranthene	U	10.00	ug/L	U	J	720.00	ug/kg	J
Benzo(g,h,i)perylene	U	10.00	ug/L	U	J	590.00	ug/kg	J
Benzo(k)fluoranthene	U	10.00	ug/L	U	J	850.00	ug/kg	J
Butyl benzyl phthalate	U	10.00	ug/L	U	U	3700.00	ug/kg	UJ
Carbazole	U	10.00	ug/L	U	J	250.00	ug/kg	J
Chrysene	U	10.00	ug/L	U	J	1100.00	ug/kg	J
Di-n-butyl phthalate	U	10.00	ug/L	U	J	260.00	ug/kg	J
Di-n-octyl phthalate	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	U	J	1400.00	ug/kg	J
Fluorene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Hexachloroethane	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	J	450.00	ug/kg	J
Isophorone	U	10.00	ug/L	U	U	3700.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	3700.00	ug/kg	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Naphthalene	U	10.00	ug/L	U	U	3700.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				LOOSE MEDIA			
Depth:								
Process Area:	1				1			
Sample:	74R-007				74R-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Pentachlorophenol	U	25.00	ug/L	U	U	9300.00	ug/kg	U
Phenanthrene	U	10.00	ug/L	U	J	2100.00	ug/kg	J
Phenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Pyrene	U	10.00	ug/L	U	J	2200.00	ug/kg	J
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	3700.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	3700.00	ug/kg	U
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	B	71.00	ug/L	U	UJ	3700.00	ug/kg	UJ
m-Methylphenol								
o-Methylphenol	U	10.00	ug/L	U	U	3700.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	U	U	3700.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	3700.00	ug/kg	U
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	74T-005				74T-012				74T-013				74T-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	J	2.00	ug/kg	J	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
2-Butanone	U	10.00	ug/L	U	U	14.00	ug/kg	UJ		71.00	ug/L	-	U	11.00	ug/kg	U
2-Hexanone	U	10.00	ug/L	U	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	11.00	ug/kg	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	J	5.00	ug/kg	J	U	10.00	ug/L	U	U	11.00	ug/kg	U
Acetone	B	18.00	ug/L	R		25.00	ug/kg	R	B	26.00	ug/L	R	BJ	11.00	ug/kg	U
Benzene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Bromodichloromethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Bromoform	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Bromomethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Carbon disulfide	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	UJ
Chlorobenzene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Chloroethane	U	10.00	ug/L	UJ	U	14.00	ug/kg	U	U	10.00	ug/L	UJ	U	11.00	ug/kg	U
Chloroform	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Chloromethane	U	10.00	ug/L	U	U	14.00	ug/kg	UJ	U	10.00	ug/L	U	U	11.00	ug/kg	U
Dibromochloromethane	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Ethylbenzene	U	10.00	ug/L	U	J	8.00	ug/kg	J	U	10.00	ug/L	U	U	11.00	ug/kg	U
Methylene chloride	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Styrene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Tetrachloroethene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Toluene	U	10.00	ug/L	U	J	10.00	ug/kg	J	J	1.00	ug/L	J	U	11.00	ug/kg	U
Trichloroethene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
Xylenes, Total	U	10.00	ug/L	U		48.00	ug/kg	-	U	10.00	ug/L	U	U	11.00	ug/kg	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	14.00	ug/kg	U	U	10.00	ug/L	U	U	11.00	ug/kg	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
1,2-Dichlorobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
1,3-Dichlorobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
1,4-Dichlorobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	U
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74T-019

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	17.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	17.00	ug/kg	UJ
1,1,2-Trichloroethane	U	17.00	ug/kg	UJ
1,1-Dichloroethane	U	17.00	ug/kg	U
1,1-Dichloroethene	U	17.00	ug/kg	U
1,2-Dichloroethane	U	17.00	ug/kg	U
1,2-Dichloroethene (Total)	U	17.00	ug/kg	U
1,2-Dichloropropane	U	17.00	ug/kg	UJ
2-Butanone	U	17.00	ug/kg	U
2-Hexanone	U	17.00	ug/kg	UJ
4-Methyl-2-pentanone	U	17.00	ug/kg	UJ
Acetone	B	20.00	ug/kg	U
Benzene	U	17.00	ug/kg	UJ
Bromodichloromethane	U	17.00	ug/kg	UJ
Bromoform	U	17.00	ug/kg	UJ
Bromomethane	U	17.00	ug/kg	U
Carbon Tetrachloride	U	17.00	ug/kg	UJ
Carbon disulfide	U	17.00	ug/kg	UJ
Chlorobenzene	U	17.00	ug/kg	UJ
Chloroethane	U	17.00	ug/kg	U
Chloroform	U	17.00	ug/kg	U
Chloromethane	U	17.00	ug/kg	U
Dibromochloromethane	U	17.00	ug/kg	UJ
Ethylbenzene	U	17.00	ug/kg	UJ
Methylene chloride	BJ	17.00	ug/kg	U
Styrene	U	17.00	ug/kg	UJ
Tetrachloroethene	U	17.00	ug/kg	UJ
Toluene	J	17.00	ug/kg	UJ
Trichloroethene	U	17.00	ug/kg	UJ
Trichlorofluoromethane				
Vinyl chloride	U	17.00	ug/kg	U
Xylenes, Total	U	17.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	17.00	ug/kg	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	17.00	ug/kg	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	520.00	ug/kg	U
1,2-Dichlorobenzene	U	520.00	ug/kg	U
1,3-Dichlorobenzene	U	520.00	ug/kg	U
1,4-Dichlorobenzene	U	520.00	ug/kg	U
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol	U	1300.00	ug/kg	U
2,4,6-Trichlorophenol	U	520.00	ug/kg	U

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	74T-005				74T-012				74T-013				74T-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2,4-Dimethylphenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2,4-Dinitrophenol	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2,6-Dinitrotoluene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2-Chloronaphthalene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2-Chlorophenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2-Methylnaphthalene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
2-Nitroaniline	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	U
2-Nitrophenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	870.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	R
3-Nitroaniline	U	26.00	ug/L	UJ	U	1100.00	ug/kg	UJ	U	25.00	ug/L	UJ	U	910.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
4-Nitroaniline	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	U
4-Nitrophenol	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	U
Acenaphthene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Acenaphthylene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Anthracene	U	10.00	ug/L	UJ	J	260.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Benzo(a)anthracene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Benzo(a)pyrene	U	10.00	ug/L	UJ	DJ	520.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	DJ	750.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	870.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	DJ	240.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Butyl benzyl phthalate	U	10.00	ug/L	UJ	BDJ	870.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Carbazole	U	10.00	ug/L	UJ	J	190.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Chrysene	U	10.00	ug/L	UJ	DJ	690.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Di-n-butyl phthalate	U	10.00	ug/L	UJ	J	230.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Di-n-octyl phthalate	U	10.00	ug/L	UJ	BD	2700.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	870.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Dibenzofuran	U	10.00	ug/L	UJ	J	61.00	ug/kg	J	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Diethyl phthalate	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Dimethyl phthalate	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Fluoranthene	U	10.00	ug/L	UJ		1200.00	ug/kg	-	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Fluorene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Hexachlorobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Hexachlorobutadiene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	UJ
Hexachloroethane	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	870.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Isophorone	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ	U	440.00	ug/kg	UJ	U	10.00	ug/L	UJ	U	360.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Naphthalene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74T-019

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	520.00	ug/kg	U
2,4-Dimethylphenol	U	520.00	ug/kg	U
2,4-Dinitrophenol	U	1300.00	ug/kg	U
2,4-Dinitrotoluene	U	520.00	ug/kg	U
2,6-Dinitrotoluene	U	520.00	ug/kg	U
2-Chloronaphthalene	U	520.00	ug/kg	U
2-Chlorophenol	U	520.00	ug/kg	U
2-Methylnaphthalene		1700.00	ug/kg	-
2-Nitroaniline	U	1300.00	ug/kg	U
2-Nitrophenol	U	520.00	ug/kg	U
3,3'-Dichlorobenzidine	U	520.00	ug/kg	UJ
3-Nitroaniline	U	1300.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	1300.00	ug/kg	U
4-Bromophenyl phenyl ether	U	520.00	ug/kg	U
4-Chloro-3-methylphenol	U	520.00	ug/kg	U
4-Chlorophenylphenyl ether	U	520.00	ug/kg	U
4-Nitroaniline	U	1300.00	ug/kg	U
4-Nitrophenol	U	1300.00	ug/kg	U
Acenaphthene	J	72.00	ug/kg	J
Acenaphthylene	U	520.00	ug/kg	U
Anthracene	J	52.00	ug/kg	J
Benzo(a)anthracene	J	280.00	ug/kg	J
Benzo(a)pyrene	J	480.00	ug/kg	J
Benzo(b)fluoranthene		540.00	ug/kg	-
Benzo(g,h,i)perylene		990.00	ug/kg	-
Benzo(k)fluoranthene	J	350.00	ug/kg	J
Butyl benzyl phthalate	J	300.00	ug/kg	J
Carbazole	U	520.00	ug/kg	U
Chrysene		910.00	ug/kg	-
Di-n-butyl phthalate	J	220.00	ug/kg	J
Di-n-octyl phthalate		670.00	ug/kg	-
Dibenzo(a,h)anthracene	U	520.00	ug/kg	U
Dibenzofuran	J	62.00	ug/kg	J
Diethyl phthalate	U	520.00	ug/kg	U
Dimethyl phthalate	U	520.00	ug/kg	U
Fluoranthene		900.00	ug/kg	-
Fluorene	J	88.00	ug/kg	J
Hexachlorobenzene	U	520.00	ug/kg	U
Hexachlorobutadiene	U	520.00	ug/kg	U
Hexachlorocyclopentadiene	U	520.00	ug/kg	U
Hexachloroethane	U	520.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	510.00	ug/kg	J
Isophorone	U	520.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	520.00	ug/kg	U
N-Nitrosodiphenylamine	U	520.00	ug/kg	U
Naphthalene	BJ	470.00	ug/kg	J

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID				SEDIMENT				UNKNOWN LIQUID				LOOSE MEDIA			
Depth:																
Process Area:	1				1				1				1			
Sample:	74T-005				74T-012				74T-013				74T-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Pentachlorophenol	U	26.00	ug/L	UJ	U	1100.00	ug/kg	U	U	25.00	ug/L	UJ	U	910.00	ug/kg	UJ
Phenanthrene	U	10.00	ug/L	UJ		1200.00	ug/kg	-	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Phenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Pyrene	U	10.00	ug/L	UJ	D	2300.00	ug/kg	-	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
bis(2-Chloroisopropyl) ether													U	360.00	ug/kg	R
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	UJ	BD	5300.00	ug/kg	U	J	10.00	ug/L	UJ	U	360.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
p-Chloroaniline	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ	U	440.00	ug/kg	U	U	10.00	ug/L	UJ	U	360.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	LOOSE MEDIA
Depth:	
Process Area:	1
Sample:	74T-019

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	520.00	ug/kg	U
Pentachlorophenol	U	1300.00	ug/kg	U
Phenanthrene		560.00	ug/kg	-
Phenol	J	360.00	ug/kg	J
Pyrene		1200.00	ug/kg	-
Pyridine				
bis(2-Chloroethoxy)methane	U	520.00	ug/kg	U
bis(2-Chloroethyl)ether	U	520.00	ug/kg	U
bis(2-Chloroisopropyl) ether	U	520.00	ug/kg	U
bis(2-Ethylhexyl)phthalate	U	520.00	ug/kg	U
m-Methylphenol				
o-Methylphenol	U	520.00	ug/kg	U
p-Chloroaniline	U	520.00	ug/kg	U
p-Methylphenol (Cresol)	U	520.00	ug/kg	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74W-005

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	J	2.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone		31.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	J	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	J	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Dibromochloromethane	U	10.00	ug/L	U
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	J	10.00	ug/L	U
Toluene	J	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U
2,4,6-Trichlorophenol	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74W-005

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U
Di-n-butyl phthalate	J	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	74W-005

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	10.00	ug/L	U
Pentachlorophenol	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U
Phenol	J	2.00	ug/L	J
Pyrene	U	10.00	ug/L	U
Pyridine				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	U
m-Methylphenol				
o-Methylphenol	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	88-001

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone		25.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	J	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Dibromochloromethane	U	10.00	ug/L	UJ
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
Semivolatile Organics				
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ
1,2-Dichlorobenzene	U	11.00	ug/L	UJ
1,3-Dichlorobenzene	U	11.00	ug/L	UJ
1,4-Dichlorobenzene	U	11.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ
2,4,5-Trichlorophenol	U	27.00	ug/L	R
2,4,6-Trichlorophenol	U	11.00	ug/L	R

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	88-001

	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	R
2,4-Dimethylphenol	U	11.00	ug/L	R
2,4-Dinitrophenol	U	27.00	ug/L	R
2,4-Dinitrotoluene	U	11.00	ug/L	UJ
2,6-Dinitrotoluene	U	11.00	ug/L	UJ
2-Chloronaphthalene	U	11.00	ug/L	UJ
2-Chlorophenol	U	11.00	ug/L	R
2-Methylnaphthalene	U	11.00	ug/L	UJ
2-Nitroaniline	U	27.00	ug/L	UJ
2-Nitrophenol	U	11.00	ug/L	R
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ
3-Nitroaniline	U	27.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	R
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ
4-Chloro-3-methylphenol	U	11.00	ug/L	R
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ
4-Nitroaniline	U	27.00	ug/L	UJ
4-Nitrophenol	U	27.00	ug/L	R
Acenaphthene	U	11.00	ug/L	UJ
Acenaphthylene	U	11.00	ug/L	UJ
Anthracene	U	11.00	ug/L	UJ
Benzo(a)anthracene	U	11.00	ug/L	UJ
Benzo(a)pyrene	U	11.00	ug/L	UJ
Benzo(b)fluoranthene	U	11.00	ug/L	UJ
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ
Benzo(k)fluoranthene	U	11.00	ug/L	UJ
Butyl benzyl phthalate	U	11.00	ug/L	UJ
Carbazole	U	11.00	ug/L	UJ
Chrysene	U	11.00	ug/L	UJ
Di-n-butyl phthalate	U	11.00	ug/L	UJ
Di-n-octyl phthalate	U	11.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ
Dibenzofuran	U	11.00	ug/L	UJ
Diethyl phthalate	U	11.00	ug/L	UJ
Dimethyl phthalate	U	11.00	ug/L	UJ
Fluoranthene	U	11.00	ug/L	UJ
Fluorene	U	11.00	ug/L	UJ
Hexachlorobenzene	U	11.00	ug/L	UJ
Hexachlorobutadiene	U	11.00	ug/L	UJ
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ
Hexachloroethane	U	11.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ
Isophorone	U	11.00	ug/L	UJ
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ
Naphthalene	U	11.00	ug/L	UJ

3212

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Organics

Material:	UNKNOWN LIQUID
Depth:	
Process Area:	1
Sample:	88-001

	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	UJ
Pentachlorophenol	U	27.00	ug/L	R
Phenanthrene	U	11.00	ug/L	UJ
Phenol	U	11.00	ug/L	R
Pyrene	U	11.00	ug/L	UJ
Pyridine				
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ
m-Methylphenol				
o-Methylphenol	U	11.00	ug/L	R
p-Chloroaniline	U	11.00	ug/L	UJ
p-Methylphenol (Cresol)	U	11.00	ug/L	R
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	G3-001				G3-002 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,1,2-Trichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,1-Dichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,1-Dichloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,2-Dichloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
1,2-Dichloropropane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
2-Butanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
2-Hexanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
4-Methyl-2-pentanone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Acetone	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Benzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Bromodichloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Bromoform	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Bromomethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Carbon Tetrachloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Carbon disulfide	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Chlorobenzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Chloroethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Chloroform	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Chloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Dibromochloromethane	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Ethylbenzene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Methylene chloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Styrene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Tetrachloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Toluene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Trichloroethene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Xylenes, Total	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
cis-1,3-Dichloropropene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	500.00	ug/L	UJ	U	500.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
1,2-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
1,3-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
1,4-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2,4,5-Trichlorophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ

061050

061212

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	G3-001				G3-002 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2,4-Dimethylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2,4-Dinitrophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
2,4-Dinitrotoluene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2,6-Dinitrotoluene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2-Chloronaphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2-Chlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2-Methylnaphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
2-Nitrophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
3-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
4-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
4-Nitrophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
Acenaphthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Acenaphthylene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Benzo(a)anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Benzo(a)pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Benzo(b)fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Benzo(k)fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Butyl benzyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Carbazole	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Chrysene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Di-n-butyl phthalate	J	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Di-n-octyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Dibenzofuran	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Diethyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Dimethyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Fluorene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Hexachlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Hexachlorobutadiene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Hexachloroethane	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Isophorone	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Naphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ

Appendix L.3 - Additional Data
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	UNKNOWN LIQUID				UNKNOWN LIQUID			
Depth:								
Process Area:	1				1			
Sample:	G3-001				G3-002 DUP			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Pentachlorophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ
Phenanthrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Phenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ		11.00	ug/L	J
m-Methylphenol								
o-Methylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
p-Chloroaniline	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

0001052

2173

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-9.96"				0-9.96"				0-9.96"				27.96-36"			
Process Area:	1				1				1				4			
Sample:	G13-001-V				G13-001-S				G13-001-P				G13-004-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,1,2-Trichloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,1-Dichloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,1-Dichloroethene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,2-Dichloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
1,2-Dichloroethene (Total)	U	11.00	ug/kg	U												
1,2-Dichloropropane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
2-Butanone	U	11.00	ug/kg	UJ									U	12.00	ug/kg	UJ
2-Hexanone	U	11.00	ug/kg	U									U	12.00	ug/kg	UJ
4-Methyl-2-pentanone	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Acetone	U	11.00	ug/kg	R									U	12.00	ug/kg	UJ
Benzene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Bromodichloromethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Bromoform	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Bromomethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Carbon Tetrachloride	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Carbon disulfide	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Chlorobenzene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Chloroethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Chloroform	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Chloromethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Dibromochloromethane	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Ethylbenzene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Methylene chloride	U	11.00	ug/kg	UJ									U	12.00	ug/kg	U
Styrene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Tetrachloroethene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Toluene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Trichloroethene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Xylenes, Total	U	11.00	ug/kg	U									U	12.00	ug/kg	U
cis-1,3-Dichloropropene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene													U	12.00	ug/kg	U
trans-1,3-Dichloropropene	U	11.00	ug/kg	U									U	12.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	360.00	ug/kg	U								
1,2-Dichlorobenzene					U	360.00	ug/kg	U								
1,3-Dichlorobenzene					U	360.00	ug/kg	U								
1,4-Dichlorobenzene					U	360.00	ug/kg	U								
2,2-oxybis(1-Chloropropane)					U	360.00	ug/kg	U								
2,4,5-Trichlorophenol					U	870.00	ug/kg	U								
2,4,6-Trichlorophenol					U	360.00	ug/kg	U								

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	27.96-36"				27.96-36"				0-36"				0-36"			
Process Area:	4				4				2				2			
Sample:	G13-004-S				G13-004-P				G13-007-V				G13-007-S			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane									U	10.00	ug/kg	U				
1,1,2,2-Tetrachloroethane									U	10.00	ug/kg	U				
1,1,2-Trichloroethane									U	10.00	ug/kg	U				
1,1-Dichloroethane									U	10.00	ug/kg	U				
1,1-Dichloroethene									U	10.00	ug/kg	U				
1,2-Dichloroethane									U	10.00	ug/kg	U				
1,2-Dichloroethene (Total)									U	10.00	ug/kg	U				
1,2-Dichloropropane									U	10.00	ug/kg	U				
2-Butanone									U	10.00	ug/kg	U				
2-Hexanone									U	10.00	ug/kg	U				
4-Methyl-2-pentanone									U	10.00	ug/kg	U				
Acetone									U	10.00	ug/kg	R				
Benzene									U	10.00	ug/kg	U				
Bromodichloromethane									U	10.00	ug/kg	U				
Bromoform									U	10.00	ug/kg	U				
Bromomethane									U	10.00	ug/kg	U				
Carbon Tetrachloride									U	10.00	ug/kg	U				
Carbon disulfide									U	10.00	ug/kg	U				
Chlorobenzene									U	10.00	ug/kg	U				
Chloroethane									U	10.00	ug/kg	UJ				
Chloroform									U	10.00	ug/kg	U				
Chloromethane									U	10.00	ug/kg	U				
Dibromochloromethane									U	10.00	ug/kg	U				
Ethylbenzene									U	10.00	ug/kg	U				
Methylene chloride									U	10.00	ug/kg	U				
Styrene									U	10.00	ug/kg	U				
Tetrachloroethene									U	10.00	ug/kg	U				
Toluene									U	10.00	ug/kg	U				
Trichloroethene									U	10.00	ug/kg	U				
Trichlorofluoromethane																
Vinyl chloride									U	10.00	ug/kg	U				
Xylenes, Total									U	10.00	ug/kg	U				
cis-1,3-Dichloropropene									U	10.00	ug/kg	U				
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene									U	10.00	ug/kg	U				
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	400.00	ug/kg	U									U	380.00	ug/kg	U
1,2-Dichlorobenzene	U	400.00	ug/kg	U									U	380.00	ug/kg	U
1,3-Dichlorobenzene	U	400.00	ug/kg	U									U	380.00	ug/kg	U
1,4-Dichlorobenzene	U	400.00	ug/kg	U									U	380.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	400.00	ug/kg	U									U	380.00	ug/kg	U
2,4,5-Trichlorophenol	U	960.00	ug/kg	U									U	920.00	ug/kg	U
2,4,6-Trichlorophenol	U	400.00	ug/kg	U									U	380.00	ug/kg	U

7173

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	0-6"	0-3"	0-3"	0-3"
Process Area:	2	5	5	5
Sample:	G13-007-P	G13-010-V	G13-010-S	G13-010-P

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	12.00	ug/kg	U								
1,1,2,2-Tetrachloroethane					U	12.00	ug/kg	U								
1,1,2-Trichloroethane					U	12.00	ug/kg	U								
1,1-Dichloroethane					U	12.00	ug/kg	U								
1,1-Dichloroethene					U	12.00	ug/kg	U								
1,2-Dichloroethane					U	12.00	ug/kg	U								
1,2-Dichloroethene (Total)					U	12.00	ug/kg	U								
1,2-Dichloropropane					U	12.00	ug/kg	U								
2-Butanone					U	12.00	ug/kg	U								
2-Hexanone					U	12.00	ug/kg	U								
4-Methyl-2-pentanone					U	12.00	ug/kg	U								
Acetone					B	38.00	ug/kg	R								
Benzene					U	12.00	ug/kg	U								
Bromodichloromethane					U	12.00	ug/kg	U								
Bromoform					U	12.00	ug/kg	U								
Bromomethane					U	12.00	ug/kg	U								
Carbon Tetrachloride					U	12.00	ug/kg	U								
Carbon disulfide					U	12.00	ug/kg	U								
Chlorobenzene					U	12.00	ug/kg	U								
Chloroethane					U	12.00	ug/kg	UJ								
Chloroform					U	12.00	ug/kg	U								
Chloromethane					U	12.00	ug/kg	U								
Dibromochloromethane					U	12.00	ug/kg	U								
Ethylbenzene					U	12.00	ug/kg	U								
Methylene chloride					J	12.00	ug/kg	U								
Styrene					U	12.00	ug/kg	U								
Tetrachloroethene					U	12.00	ug/kg	U								
Toluene					U	12.00	ug/kg	U								
Trichloroethene					U	12.00	ug/kg	U								
Trichlorofluoromethane																
Vinyl chloride					U	12.00	ug/kg	U								
Xylenes, Total					U	12.00	ug/kg	U								
cis-1,3-Dichloropropene					U	12.00	ug/kg	U								
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	12.00	ug/kg	U								
emivolatile Organics																
1,2,4-Trichlorobenzene									U	390.00	ug/kg	U				
1,2-Dichlorobenzene									U	390.00	ug/kg	U				
1,3-Dichlorobenzene									U	390.00	ug/kg	U				
1,4-Dichlorobenzene									U	390.00	ug/kg	U				
2,2-oxybis(1-Chloropropane)									U	390.00	ug/kg	U				
2,4,5-Trichlorophenol									U	950.00	ug/kg	U				
2,4,6-Trichlorophenol									U	390.00	ug/kg	U				

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-3"				0-3"				0-3"				27.96-36"			
Process Area:	5				5				5				6			
Sample:	G13-011-V DUP				G13-011-S DUP				G13-011-P DUP				G13-015-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,1,2,2-Tetrachloroethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,1,2-Trichloroethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,1-Dichloroethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,1-Dichloroethene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,2-Dichloroethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,2-Dichloroethene (Total)	U	11.00	ug/kg	U									U	11.00	ug/kg	U
1,2-Dichloropropane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
2-Butanone	U	11.00	ug/kg	U									U	11.00	ug/kg	UJ
2-Hexanone	U	11.00	ug/kg	U									U	11.00	ug/kg	U
4-Methyl-2-pentanone	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Acetone	B	30.00	ug/kg	R									U	11.00	ug/kg	R
Benzene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Bromodichloromethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Bromoform	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Bromomethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Carbon Tetrachloride	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Carbon disulfide	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Chlorobenzene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Chloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	U
Chloroform	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Chloromethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Dibromochloromethane	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Ethylbenzene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Methylene chloride	U	11.00	ug/kg	U									U	11.00	ug/kg	UJ
Styrene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Tetrachloroethene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Toluene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Trichloroethene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Trichlorofluoromethane																
Vinyl chloride	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Xylenes, Total	U	11.00	ug/kg	U									U	11.00	ug/kg	U
cis-1,3-Dichloropropene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	11.00	ug/kg	U									U	11.00	ug/kg	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	390.00	ug/kg	U								
1,2-Dichlorobenzene					U	390.00	ug/kg	U								
1,3-Dichlorobenzene					U	390.00	ug/kg	U								
1,4-Dichlorobenzene					U	390.00	ug/kg	U								
2,2-oxybis(1-Chloropropane)					U	390.00	ug/kg	U								
2,4,5-Trichlorophenol					U	950.00	ug/kg	U								
2,4,6-Trichlorophenol					U	390.00	ug/kg	U								

96 056

212 89

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	27.96-36"				27.96-36"				0-39"				0-39"			
Process Area:	6				6				8				8			
Sample:	G13-015-S				G13-015-P				G13-019S-V				G13-019S-S			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane									U	11.00	ug/kg	U				
1,1,2,2-Tetrachloroethane									U	11.00	ug/kg	U				
1,1,2-Trichloroethane									U	11.00	ug/kg	U				
1,1-Dichloroethane									U	11.00	ug/kg	U				
1,1-Dichloroethene									U	11.00	ug/kg	U				
1,2-Dichloroethane									U	11.00	ug/kg	U				
1,2-Dichloroethene (Total)									U	11.00	ug/kg	U				
1,2-Dichloropropane									U	11.00	ug/kg	U				
2-Butanone									U	11.00	ug/kg	U				
2-Hexanone									U	11.00	ug/kg	U				
4-Methyl-2-pentanone									U	11.00	ug/kg	U				
Acetone									J	10.00	ug/kg	J				
Benzene									U	11.00	ug/kg	U				
Bromodichloromethane									U	11.00	ug/kg	U				
Bromoform									U	11.00	ug/kg	U				
Bromomethane									U	11.00	ug/kg	U				
Carbon Tetrachloride									U	11.00	ug/kg	U				
Carbon disulfide									U	11.00	ug/kg	U				
Chlorobenzene									U	11.00	ug/kg	U				
Chloroethane									U	11.00	ug/kg	U				
Chloroform									U	11.00	ug/kg	U				
Chloromethane									U	11.00	ug/kg	U				
Dibromochloromethane									U	11.00	ug/kg	U				
Ethylbenzene									U	11.00	ug/kg	U				
Methylene chloride									U	11.00	ug/kg	U				
Styrene									U	11.00	ug/kg	U				
Tetrachloroethene									U	11.00	ug/kg	U				
Toluene									U	11.00	ug/kg	U				
Trichloroethene									U	11.00	ug/kg	U				
Trichlorofluoromethane																
Vinyl chloride									U	11.00	ug/kg	U				
Xylenes, Total									U	11.00	ug/kg	U				
cis-1,3-Dichloropropene									U	11.00	ug/kg	U				
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene									U	11.00	ug/kg	U				
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
1,2-Dichlorobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
1,3-Dichlorobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
1,4-Dichlorobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2,2-oxybis(1-Chloropropane)	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2,4,5-Trichlorophenol	U	880.00	ug/kg	U									U	920.00	ug/kg	U
2,4,6-Trichlorophenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-39"				44.04-48"				38.04-44.04"				38.04-44.04"			
Process Area:	8				8				8				8			
Sample:	G13-019S-P				G13-019-V				G13-019-S				G13-019-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	12.00	ug/kg	U								
1,1,2,2-Tetrachloroethane					U	12.00	ug/kg	U								
1,1,2-Trichloroethane					U	12.00	ug/kg	U								
1,1-Dichloroethane					U	12.00	ug/kg	U								
1,1-Dichloroethene					U	12.00	ug/kg	U								
1,2-Dichloroethane					U	12.00	ug/kg	U								
1,2-Dichloroethene (Total)					U	12.00	ug/kg	U								
1,2-Dichloropropane					U	12.00	ug/kg	U								
2-Butanone					U	12.00	ug/kg	U								
2-Hexanone					U	12.00	ug/kg	U								
4-Methyl-2-pentanone					U	12.00	ug/kg	U								
Acetone					B	15.00	ug/kg	R								
Benzene					U	12.00	ug/kg	U								
Bromodichloromethane					U	12.00	ug/kg	U								
Bromoform					U	12.00	ug/kg	U								
Bromomethane					U	12.00	ug/kg	U								
Carbon Tetrachloride					U	12.00	ug/kg	U								
Carbon disulfide					U	12.00	ug/kg	U								
Chlorobenzene					U	12.00	ug/kg	U								
Chloroethane					U	12.00	ug/kg	UJ								
Chloroform					U	12.00	ug/kg	U								
Chloromethane					U	12.00	ug/kg	U								
Dibromochloromethane					U	12.00	ug/kg	U								
Ethylbenzene					U	12.00	ug/kg	U								
Methylene chloride					U	12.00	ug/kg	U								
Styrene					U	12.00	ug/kg	U								
Tetrachloroethene					U	12.00	ug/kg	U								
Toluene					U	12.00	ug/kg	U								
Trichloroethene					U	12.00	ug/kg	U								
Trichlorofluoromethane																
Vinyl chloride					U	12.00	ug/kg	U								
Xylenes, Total					U	12.00	ug/kg	U								
cis-1,3-Dichloropropene					U	12.00	ug/kg	U								
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	12.00	ug/kg	U								
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	370.00	ug/kg	U				
1,2-Dichlorobenzene									U	370.00	ug/kg	U				
1,3-Dichlorobenzene									U	370.00	ug/kg	U				
1,4-Dichlorobenzene									U	370.00	ug/kg	U				
2,2-oxybis(1-Chloropropane)									U	370.00	ug/kg	U				
2,4,5-Trichlorophenol									U	900.00	ug/kg	U				
2,4,6-Trichlorophenol									U	370.00	ug/kg	U				

8212

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-15.96"				0-18"				0-18"				0-30"			
Process Area:	10				10				10				10			
Sample:	G13-022-V				G13-022-S				G13-022-P				G13-023-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,1,2,2-Tetrachloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,1,2-Trichloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,1-Dichloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,1-Dichloroethene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,2-Dichloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,2-Dichloroethene (Total)	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
1,2-Dichloropropane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
2-Butanone	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
2-Hexanone	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
4-Methyl-2-pentanone	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Acetone	U	11.00	ug/kg	UJ										33.00	ug/kg	J
Benzene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Bromodichloromethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Bromoform	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Bromomethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Carbon Tetrachloride	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Carbon disulfide	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Chlorobenzene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Chloroethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Chloroform	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Chloromethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Dibromochloromethane	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Ethylbenzene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Methylene chloride	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Styrene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Tetrachloroethene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Toluene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Trichloroethene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Trichlorofluoromethane																
Vinyl chloride	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Xylenes, Total	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
cis-1,3-Dichloropropene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	11.00	ug/kg	UJ									U	11.00	ug/kg	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	350.00	ug/kg	UJ								
1,2-Dichlorobenzene					U	350.00	ug/kg	UJ								
1,3-Dichlorobenzene					U	350.00	ug/kg	UJ								
1,4-Dichlorobenzene					U	350.00	ug/kg	UJ								
2,2-oxybis(1-Chloropropane)					U	350.00	ug/kg	UJ								
2,4,5-Trichlorophenol					U	880.00	ug/kg	UJ								
2,4,6-Trichlorophenol					U	350.00	ug/kg	UJ								

60109

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-30"				0-30"				0-12"				0-12"			
Process Area:	10				10				10				10			
Sample:	G13-023-S				G13-023-P				G13-024-V				G13-024-S			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane									U	11.00	ug/kg	UJ				
1,1,2,2-Tetrachloroethane									U	11.00	ug/kg	UJ				
1,1,2-Trichloroethane									U	11.00	ug/kg	UJ				
1,1-Dichloroethane									U	11.00	ug/kg	UJ				
1,1-Dichloroethene									U	11.00	ug/kg	UJ				
1,2-Dichloroethane									U	11.00	ug/kg	UJ				
1,2-Dichloroethene (Total)									U	11.00	ug/kg	UJ				
1,2-Dichloropropane									U	11.00	ug/kg	UJ				
2-Butanone									U	11.00	ug/kg	UJ				
2-Hexanone									U	11.00	ug/kg	UJ				
4-Methyl-2-pentanone									U	11.00	ug/kg	UJ				
Acetone									U	11.00	ug/kg	UJ				
Benzene									U	11.00	ug/kg	UJ				
Bromodichloromethane									U	11.00	ug/kg	UJ				
Bromoform									U	11.00	ug/kg	UJ				
Bromomethane									U	11.00	ug/kg	UJ				
Carbon Tetrachloride									U	11.00	ug/kg	UJ				
Carbon disulfide									U	11.00	ug/kg	UJ				
Chlorobenzene									U	11.00	ug/kg	UJ				
Chloroethane									U	11.00	ug/kg	UJ				
Chloroform									U	11.00	ug/kg	UJ				
Chloromethane									U	11.00	ug/kg	UJ				
Dibromochloromethane									U	11.00	ug/kg	UJ				
Ethylbenzene									U	11.00	ug/kg	UJ				
Methylene chloride									U	11.00	ug/kg	UJ				
Styrene									U	11.00	ug/kg	UJ				
Tetrachloroethene									U	11.00	ug/kg	UJ				
Toluene									U	11.00	ug/kg	UJ				
Trichloroethene									U	11.00	ug/kg	UJ				
Trichlorofluoromethane																
Vinyl chloride									U	11.00	ug/kg	UJ				
Xylenes, Total									U	11.00	ug/kg	UJ				
cis-1,3-Dichloropropene									U	11.00	ug/kg	UJ				
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene									U	11.00	ug/kg	UJ				
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
1,2-Dichlorobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
1,3-Dichlorobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
1,4-Dichlorobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2,2-oxybis(1-Chloropropane)	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2,4,5-Trichlorophenol	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
2,4,6-Trichlorophenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ

001060
7173

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-12"				0-24"				0-24"				0-24"			
Process Area:	10				10				10				10			
Sample:	G13-024-P				G13-025-V				G13-025-S				G13-025-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane					U	11.00	ug/kg	UJ								
1,1,2,2-Tetrachloroethane					U	11.00	ug/kg	UJ								
1,1,2-Trichloroethane					U	11.00	ug/kg	UJ								
1,1-Dichloroethane					U	11.00	ug/kg	UJ								
1,1-Dichloroethene					U	11.00	ug/kg	UJ								
1,2-Dichloroethane					U	11.00	ug/kg	UJ								
1,2-Dichloroethene (Total)					U	11.00	ug/kg	UJ								
1,2-Dichloropropane					U	11.00	ug/kg	UJ								
2-Butanone					U	11.00	ug/kg	UJ								
2-Hexanone					U	11.00	ug/kg	UJ								
4-Methyl-2-pentanone					U	11.00	ug/kg	UJ								
Acetone					U	11.00	ug/kg	UJ								
Benzene					U	11.00	ug/kg	UJ								
Bromodichloromethane					U	11.00	ug/kg	UJ								
Bromoform					U	11.00	ug/kg	UJ								
Bromomethane					U	11.00	ug/kg	UJ								
Carbon Tetrachloride					U	11.00	ug/kg	UJ								
Carbon disulfide					U	11.00	ug/kg	UJ								
Chlorobenzene					U	11.00	ug/kg	UJ								
Chloroethane					U	11.00	ug/kg	UJ								
Chloroform					U	11.00	ug/kg	UJ								
Chloromethane					U	11.00	ug/kg	UJ								
Dibromochloromethane					U	11.00	ug/kg	UJ								
Ethylbenzene					U	11.00	ug/kg	UJ								
Methylene chloride					U	11.00	ug/kg	UJ								
Styrene					U	11.00	ug/kg	UJ								
Tetrachloroethene					U	11.00	ug/kg	UJ								
Toluene					U	11.00	ug/kg	UJ								
Trichloroethene					U	11.00	ug/kg	UJ								
Trichlorofluoromethane																
Vinyl chloride					U	11.00	ug/kg	UJ								
Xylenes, Total					U	11.00	ug/kg	UJ								
cis-1,3-Dichloropropene					U	11.00	ug/kg	UJ								
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene					U	11.00	ug/kg	UJ								
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	360.00	ug/kg	UJ				
1,2-Dichlorobenzene									U	360.00	ug/kg	UJ				
1,3-Dichlorobenzene									U	360.00	ug/kg	UJ				
1,4-Dichlorobenzene									U	360.00	ug/kg	UJ				
2,2-oxybis(1-Chloropropane)									U	360.00	ug/kg	UJ				
2,4,5-Trichlorophenol									U	900.00	ug/kg	UJ				
2,4,6-Trichlorophenol									U	360.00	ug/kg	UJ				

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Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL			SOIL			SOIL			SOIL		
Depth:	0-9.96"			0-9.96"			0-9.96"			27.96-36"		
Process Area:	1			1			1			4		
Sample:	G13-001-V			G13-001-S			G13-001-P			G13-004-V		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
2,4-Dichlorophenol				U	360.00	ug/kg U						
2,4-Dimethylphenol				U	360.00	ug/kg U						
2,4-Dinitrophenol				U	870.00	ug/kg U						
2,4-Dinitrotoluene				U	360.00	ug/kg U						
2,6-Dinitrotoluene				U	360.00	ug/kg U						
2-Chloronaphthalene				U	360.00	ug/kg U						
2-Chlorophenol				U	360.00	ug/kg U						
2-Methylnaphthalene				J	49.00	ug/kg J						
2-Nitroaniline				U	870.00	ug/kg U						
2-Nitrophenol				U	360.00	ug/kg U						
3,3'-Dichlorobenzidine				U	360.00	ug/kg U						
3-Nitroaniline				U	870.00	ug/kg U						
4,6-Dinitro-2-methylphenol				U	870.00	ug/kg U						
4-Bromophenyl phenyl ether				U	360.00	ug/kg U						
4-Chloro-3-methylphenol				U	360.00	ug/kg U						
4-Chlorophenylphenyl ether				U	360.00	ug/kg U						
4-Nitroaniline				U	870.00	ug/kg U						
4-Nitrophenol				U	870.00	ug/kg U						
Acenaphthene				U	360.00	ug/kg U						
Acenaphthylene				U	360.00	ug/kg U						
Anthracene				U	360.00	ug/kg U						
Benzo(a)anthracene				J	79.00	ug/kg J						
Benzo(a)pyrene				J	97.00	ug/kg J						
Benzo(b)fluoranthene				J	130.00	ug/kg J						
Benzo(g,h,i)perylene				J	57.00	ug/kg J						
Benzo(k)fluoranthene				J	50.00	ug/kg J						
Butyl benzyl phthalate				U	360.00	ug/kg U						
Carbazole				U	360.00	ug/kg U						
Chrysene				J	93.00	ug/kg J						
Di-n-butyl phthalate					2600.00	ug/kg -						
Di-n-octyl phthalate				U	360.00	ug/kg U						
Dibenzo(a,h)anthracene				U	360.00	ug/kg U						
Dibenzofuran				U	360.00	ug/kg U						
Diethyl phthalate				U	360.00	ug/kg U						
Dimethyl phthalate				U	360.00	ug/kg U						
Fluoranthene				J	160.00	ug/kg J						
Fluorene				U	360.00	ug/kg U						
Hexachlorobenzene				U	360.00	ug/kg U						
Hexachlorobutadiene				U	360.00	ug/kg U						
Hexachlorocyclopentadiene				U	360.00	ug/kg U						
Hexachloroethane				U	360.00	ug/kg U						
Indeno(1,2,3-cd)pyrene				J	77.00	ug/kg J						
Isophorone				U	360.00	ug/kg U						
N-Nitroso-di-n-propylamine				U	360.00	ug/kg U						
N-Nitrosodiphenylamine				U	360.00	ug/kg U						
Naphthalene				U	360.00	ug/kg U						

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL			SOIL			SOIL			SOIL		
Depth:	27.96-36"			27.96-36"			0-36"			0-36"		
Process Area:	4			4			2			2		
Sample:	G13-004-S			G13-004-P			G13-007-V			G13-007-S		
	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ	LQ RESULT	UNITS	VQ
2,4-Dichlorophenol	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2,4-Dimethylphenol	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2,4-Dinitrophenol	U 960.00	ug/kg	UJ							U 920.00	ug/kg	U
2,4-Dinitrotoluene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2,6-Dinitrotoluene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2-Chloronaphthalene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2-Chlorophenol	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2-Methylnaphthalene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
2-Nitroaniline	U 960.00	ug/kg	U							U 920.00	ug/kg	U
2-Nitrophenol	U 400.00	ug/kg	U							U 380.00	ug/kg	U
3,3'-Dichlorobenzidine	U 400.00	ug/kg	R							U 380.00	ug/kg	UJ
3-Nitroaniline	U 960.00	ug/kg	UJ							U 920.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U 960.00	ug/kg	U							U 920.00	ug/kg	U
4-Bromophenyl phenyl ether	U 400.00	ug/kg	U							U 380.00	ug/kg	U
4-Chloro-3-methylphenol	U 400.00	ug/kg	U							U 380.00	ug/kg	U
4-Chlorophenylphenyl ether	U 400.00	ug/kg	U							U 380.00	ug/kg	U
4-Nitroaniline	U 960.00	ug/kg	UJ							U 920.00	ug/kg	U
4-Nitrophenol	U 960.00	ug/kg	UJ							U 920.00	ug/kg	U
Acenaphthene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Acenaphthylene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Anthracene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Benzo(a)anthracene	U 400.00	ug/kg	U							J 47.00	ug/kg	J
Benzo(a)pyrene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Benzo(b)fluoranthene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Benzo(g,h,i)perylene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Benzo(k)fluoranthene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Butyl benzyl phthalate	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Carbazole	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Chrysene	U 400.00	ug/kg	U							J 42.00	ug/kg	J
Di-n-butyl phthalate	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Di-n-octyl phthalate	U 400.00	ug/kg	UJ							U 380.00	ug/kg	U
Dibenzo(a,h)anthracene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Dibenzofuran	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Diethyl phthalate	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Dimethyl phthalate	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Fluoranthene	U 400.00	ug/kg	U							J 99.00	ug/kg	J
Fluorene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Hexachlorobenzene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Hexachlorobutadiene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Hexachlorocyclopentadiene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Hexachloroethane	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Isophorone	U 400.00	ug/kg	U							U 380.00	ug/kg	U
N-Nitroso-di-n-propylamine	U 400.00	ug/kg	U							U 380.00	ug/kg	U
N-Nitrosodiphenylamine	U 400.00	ug/kg	U							U 380.00	ug/kg	U
Naphthalene	U 400.00	ug/kg	U							U 380.00	ug/kg	U

001393

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-6"				0-3"				0-3"				0-3"			
Process Area:	2				5				5				5			
Sample:	G13-007-P				G13-010-V				G13-010-S				G13-010-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol									U	390.00	ug/kg	U				
2,4-Dimethylphenol									U	390.00	ug/kg	U				
2,4-Dinitrophenol									U	950.00	ug/kg	U				
2,4-Dinitrotoluene									U	390.00	ug/kg	U				
2,6-Dinitrotoluene									U	390.00	ug/kg	U				
2-Chloronaphthalene									U	390.00	ug/kg	U				
2-Chlorophenol									U	390.00	ug/kg	U				
2-Methylnaphthalene									U	390.00	ug/kg	U				
2-Nitroaniline									U	950.00	ug/kg	U				
2-Nitrophenol									U	390.00	ug/kg	U				
3,3'-Dichlorobenzidine									U	390.00	ug/kg	UJ				
3-Nitroaniline									U	950.00	ug/kg	U				
4,6-Dinitro-2-methylphenol									U	950.00	ug/kg	U				
4-Bromophenyl phenyl ether									U	390.00	ug/kg	U				
4-Chloro-3-methylphenol									U	390.00	ug/kg	U				
4-Chlorophenylphenyl ether									U	390.00	ug/kg	U				
4-Nitroaniline									U	950.00	ug/kg	U				
4-Nitrophenol									U	950.00	ug/kg	U				
Acenaphthene									U	390.00	ug/kg	U				
Acenaphthylene									U	390.00	ug/kg	U				
Anthracene									U	390.00	ug/kg	U				
Benzo(a)anthracene									U	390.00	ug/kg	U				
Benzo(a)pyrene									U	390.00	ug/kg	U				
Benzo(b)fluoranthene									U	390.00	ug/kg	U				
Benzo(g,h,i)perylene									U	390.00	ug/kg	U				
Benzo(k)fluoranthene									U	390.00	ug/kg	U				
Butyl benzyl phthalate									U	390.00	ug/kg	U				
Carbazole									U	390.00	ug/kg	U				
Chrysene									U	390.00	ug/kg	U				
Di-n-butyl phthalate									U	390.00	ug/kg	U				
Di-n-octyl phthalate									U	390.00	ug/kg	U				
Dibenzo(a,h)anthracene									U	390.00	ug/kg	U				
Dibenzofuran									U	390.00	ug/kg	U				
Diethyl phthalate									U	390.00	ug/kg	U				
Dimethyl phthalate									U	390.00	ug/kg	U				
Fluoranthene									U	390.00	ug/kg	U				
Fluorene									U	390.00	ug/kg	U				
Hexachlorobenzene									U	390.00	ug/kg	U				
Hexachlorobutadiene									U	390.00	ug/kg	U				
Hexachlorocyclopentadiene									U	390.00	ug/kg	U				
Hexachloroethane									U	390.00	ug/kg	U				
Indeno(1,2,3-cd)pyrene									U	390.00	ug/kg	U				
Isophorone									U	390.00	ug/kg	U				
N-Nitroso-di-n-propylamine									U	390.00	ug/kg	U				
N-Nitrosodiphenylamine									U	390.00	ug/kg	U				
Naphthalene									U	390.00	ug/kg	U				

001064

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Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-3"				0-3"				0-3"				27.96-36"			
Process Area:	5				5				5				6			
Sample:	G13-011-V DUP				G13-011-S DUP				G13-011-P DUP				G13-015-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol					U	390.00	ug/kg	U								
2,4-Dimethylphenol					U	390.00	ug/kg	U								
2,4-Dinitrophenol					U	950.00	ug/kg	U								
2,4-Dinitrotoluene					U	390.00	ug/kg	U								
2,6-Dinitrotoluene					U	390.00	ug/kg	U								
2-Chloronaphthalene					U	390.00	ug/kg	U								
2-Chlorophenol					U	390.00	ug/kg	U								
2-Methylnaphthalene					U	390.00	ug/kg	U								
2-Nitroaniline					U	950.00	ug/kg	U								
2-Nitrophenol					U	390.00	ug/kg	U								
3,3'-Dichlorobenzidine					U	390.00	ug/kg	UJ								
3-Nitroaniline					U	950.00	ug/kg	U								
4,6-Dinitro-2-methylphenol					U	950.00	ug/kg	U								
4-Bromophenyl phenyl ether					U	390.00	ug/kg	U								
4-Chloro-3-methylphenol					U	390.00	ug/kg	U								
4-Chlorophenylphenyl ether					U	390.00	ug/kg	U								
4-Nitroaniline					U	950.00	ug/kg	U								
4-Nitrophenol					U	950.00	ug/kg	U								
Acenaphthene					U	390.00	ug/kg	U								
Acenaphthylene					U	390.00	ug/kg	U								
Anthracene					U	390.00	ug/kg	U								
Benzo(a)anthracene					U	390.00	ug/kg	U								
Benzo(a)pyrene					U	390.00	ug/kg	U								
Benzo(b)fluoranthene					U	390.00	ug/kg	U								
Benzo(g,h,i)perylene					U	390.00	ug/kg	U								
Benzo(k)fluoranthene					U	390.00	ug/kg	U								
Butyl benzyl phthalate					U	390.00	ug/kg	U								
Carbazole					U	390.00	ug/kg	U								
Chrysene					U	390.00	ug/kg	U								
Di-n-butyl phthalate					J	390.00	ug/kg	U								
Di-n-octyl phthalate					U	390.00	ug/kg	U								
Dibenzo(a,h)anthracene					U	390.00	ug/kg	U								
Dibenzofuran					U	390.00	ug/kg	U								
Diethyl phthalate					U	390.00	ug/kg	U								
Dimethyl phthalate					U	390.00	ug/kg	U								
Fluoranthene					J	62.00	ug/kg	J								
Fluorene					U	390.00	ug/kg	U								
Hexachlorobenzene					U	390.00	ug/kg	U								
Hexachlorobutadiene					U	390.00	ug/kg	U								
Hexachlorocyclopentadiene					U	390.00	ug/kg	U								
Hexachloroethane					U	390.00	ug/kg	U								
Indeno(1,2,3-cd)pyrene					U	390.00	ug/kg	U								
Isophorone					U	390.00	ug/kg	U								
N-Nitroso-di-n-propylamine					U	390.00	ug/kg	U								
N-Nitrosodiphenylamine					U	390.00	ug/kg	U								
Naphthalene					U	390.00	ug/kg	U								

000095

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	27.96-36"	27.96-36"	0-39"	0-39"
Process Area:	6	6	8	8
Sample:	G13-015-S	G13-015-P	G13-019S-V	G13-019S-S

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2,4-Dimethylphenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2,4-Dinitrophenol	U	880.00	ug/kg	U									U	920.00	ug/kg	U
2,4-Dinitrotoluene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2,6-Dinitrotoluene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2-Chloronaphthalene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2-Chlorophenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2-Methylnaphthalene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
2-Nitroaniline	U	880.00	ug/kg	U									U	920.00	ug/kg	U
2-Nitrophenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
3,3'-Dichlorobenzidine	U	360.00	ug/kg	U									U	370.00	ug/kg	U
3-Nitroaniline	U	880.00	ug/kg	U									U	920.00	ug/kg	U
4,6-Dinitro-2-methylphenol	U	880.00	ug/kg	U									U	920.00	ug/kg	U
4-Bromophenyl phenyl ether	U	360.00	ug/kg	U									U	370.00	ug/kg	U
4-Chloro-3-methylphenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
4-Chlorophenylphenyl ether	U	360.00	ug/kg	U									U	370.00	ug/kg	U
4-Nitroaniline	U	880.00	ug/kg	U									U	920.00	ug/kg	UJ
4-Nitrophenol	U	880.00	ug/kg	U									U	920.00	ug/kg	UJ
Acenaphthene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Acenaphthylene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Anthracene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Benzo(a)anthracene	J	70.00	ug/kg	J									J	19.00	ug/kg	J
Benzo(a)pyrene	J	81.00	ug/kg	J									J	23.00	ug/kg	J
Benzo(b)fluoranthene	J	110.00	ug/kg	J									J	24.00	ug/kg	J
Benzo(g,h,i)perylene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Benzo(k)fluoranthene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Butyl benzyl phthalate	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Carbazole	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Chrysene	J	85.00	ug/kg	J									J	26.00	ug/kg	J
Di-n-butyl phthalate	J	360.00	ug/kg	U									U	370.00	ug/kg	U
Di-n-octyl phthalate	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Dibenzo(a,h)anthracene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Dibenzofuran	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Diethyl phthalate	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Dimethyl phthalate	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Fluoranthene	J	170.00	ug/kg	J									J	36.00	ug/kg	J
Fluorene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Hexachlorobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Hexachlorobutadiene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Hexachlorocyclopentadiene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Hexachloroethane	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Indeno(1,2,3-cd)pyrene	J	57.00	ug/kg	J									U	370.00	ug/kg	U
Isophorone	U	360.00	ug/kg	U									U	370.00	ug/kg	U
N-Nitroso-di-n-propylamine	U	360.00	ug/kg	U									U	370.00	ug/kg	U
N-Nitrosodiphenylamine	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Naphthalene	U	360.00	ug/kg	U									U	370.00	ug/kg	U

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2123

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	0-39"	44.04-48"	38.04-44.04"	38.04-44.04"
Process Area:	8	8	8	8
Sample:	G13-019S-P	G13-019-V	G13-019-S	G13-019-P

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol									U	370.00	ug/kg	U				
2,4-Dimethylphenol									U	370.00	ug/kg	U				
2,4-Dinitrophenol									U	900.00	ug/kg	U				
2,4-Dinitrotoluene									U	370.00	ug/kg	U				
2,6-Dinitrotoluene									U	370.00	ug/kg	U				
2-Chloronaphthalene									U	370.00	ug/kg	U				
2-Chlorophenol									U	370.00	ug/kg	U				
2-Methylnaphthalene									U	370.00	ug/kg	U				
2-Nitroaniline									U	900.00	ug/kg	U				
2-Nitrophenol									U	370.00	ug/kg	U				
3,3'-Dichlorobenzidine									U	370.00	ug/kg	U				
3-Nitroaniline									U	900.00	ug/kg	R				
4,6-Dinitro-2-methylphenol									U	900.00	ug/kg	U				
4-Bromophenyl phenyl ether									U	370.00	ug/kg	U				
4-Chloro-3-methylphenol									U	370.00	ug/kg	U				
4-Chlorophenylphenyl ether									U	370.00	ug/kg	U				
4-Nitroaniline									U	900.00	ug/kg	R				
4-Nitrophenol									U	900.00	ug/kg	U				
Acenaphthene									U	370.00	ug/kg	U				
Acenaphthylene									U	370.00	ug/kg	U				
Anthracene									U	370.00	ug/kg	U				
Benzo(a)anthracene									U	370.00	ug/kg	U				
Benzo(a)pyrene									U	370.00	ug/kg	U				
Benzo(b)fluoranthene									U	370.00	ug/kg	U				
Benzo(g,h,i)perylene									U	370.00	ug/kg	U				
Benzo(k)fluoranthene									U	370.00	ug/kg	U				
Butyl benzyl phthalate									U	370.00	ug/kg	U				
Carbazole									U	370.00	ug/kg	R				
Chrysene									U	370.00	ug/kg	U				
Di-n-butyl phthalate									J	370.00	ug/kg	U				
Di-n-octyl phthalate									U	370.00	ug/kg	U				
Dibenzo(a,h)anthracene									U	370.00	ug/kg	U				
Dibenzofuran									U	370.00	ug/kg	U				
Diethyl phthalate									U	370.00	ug/kg	U				
Dimethyl phthalate									U	370.00	ug/kg	U				
Fluoranthene									U	370.00	ug/kg	U				
Fluorene									U	370.00	ug/kg	U				
Hexachlorobenzene									U	370.00	ug/kg	U				
Hexachlorobutadiene									U	370.00	ug/kg	U				
Hexachlorocyclopentadiene									U	370.00	ug/kg	U				
Hexachloroethane									U	370.00	ug/kg	U				
Indeno(1,2,3-cd)pyrene									U	370.00	ug/kg	U				
Isophorone									U	370.00	ug/kg	U				
N-Nitroso-di-n-propylamine									U	370.00	ug/kg	U				
N-Nitrosodiphenylamine									U	370.00	ug/kg	U				
Naphthalene									U	370.00	ug/kg	U				

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	0-15.96"	0-18"	0-18"	0-30"
Process Area:	10	10	10	10
Sample:	G13-022-V	G13-022-S	G13-022-P	G13-023-V

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol					U	350.00	ug/kg	UJ								
2,4-Dimethylphenol					U	350.00	ug/kg	UJ								
2,4-Dinitrophenol					U	880.00	ug/kg	UJ								
2,4-Dinitrotoluene					U	350.00	ug/kg	UJ								
2,6-Dinitrotoluene					U	350.00	ug/kg	UJ								
2-Chloronaphthalene					U	350.00	ug/kg	UJ								
2-Chlorophenol					U	350.00	ug/kg	UJ								
2-Methylnaphthalene					U	350.00	ug/kg	UJ								
2-Nitroaniline					U	880.00	ug/kg	UJ								
2-Nitrophenol					U	350.00	ug/kg	UJ								
3,3'-Dichlorobenzidine					U	350.00	ug/kg	UJ								
3-Nitroaniline					U	880.00	ug/kg	UJ								
4,6-Dinitro-2-methylphenol					U	880.00	ug/kg	UJ								
4-Bromophenyl phenyl ether					U	350.00	ug/kg	UJ								
4-Chloro-3-methylphenol					U	350.00	ug/kg	UJ								
4-Chlorophenylphenyl ether					U	350.00	ug/kg	UJ								
4-Nitroaniline					U	880.00	ug/kg	UJ								
4-Nitrophenol					U	880.00	ug/kg	UJ								
Acenaphthene					U	350.00	ug/kg	UJ								
Acenaphthylene					U	350.00	ug/kg	UJ								
Anthracene					U	350.00	ug/kg	UJ								
Benzo(a)anthracene					J	170.00	ug/kg	J								
Benzo(a)pyrene					J	190.00	ug/kg	J								
Benzo(b)fluoranthene					J	240.00	ug/kg	J								
Benzo(g,h,i)perylene					J	130.00	ug/kg	J								
Benzo(k)fluoranthene					J	200.00	ug/kg	J								
Butyl benzyl phthalate					U	350.00	ug/kg	UJ								
Carbazole					U	350.00	ug/kg	UJ								
Chrysene					J	210.00	ug/kg	J								
Di-n-butyl phthalate					J	350.00	ug/kg	UJ								
Di-n-octyl phthalate					U	350.00	ug/kg	UJ								
Dibenzo(a,h)anthracene					J	55.00	ug/kg	J								
Dibenzofuran					U	350.00	ug/kg	UJ								
Diethyl phthalate					U	350.00	ug/kg	UJ								
Dimethyl phthalate					U	350.00	ug/kg	UJ								
Fluoranthene					J	300.00	ug/kg	J								
Fluorene					U	350.00	ug/kg	UJ								
Hexachlorobenzene					U	350.00	ug/kg	UJ								
Hexachlorobutadiene					U	350.00	ug/kg	UJ								
Hexachlorocyclopentadiene					U	350.00	ug/kg	UJ								
Hexachloroethane					U	350.00	ug/kg	UJ								
Indeno(1,2,3-cd)pyrene					J	120.00	ug/kg	J								
Isophorone					U	350.00	ug/kg	UJ								
N-Nitroso-di-n-propylamine					U	350.00	ug/kg	UJ								
N-Nitrosodiphenylamine					U	350.00	ug/kg	UJ								
Naphthalene					U	350.00	ug/kg	UJ								

C30600

C2122

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-30"				0-30"				0-12"				0-12"			
Process Area:	10				10				10				10			
Sample:	G13-023-S				G13-023-P				G13-024-V				G13-024-S			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2,4-Dimethylphenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2,4-Dinitrophenol	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
2,4-Dinitrotoluene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2,6-Dinitrotoluene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2-Chloronaphthalene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2-Chlorophenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2-Methylnaphthalene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
2-Nitroaniline	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
2-Nitrophenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
3,3'-Dichlorobenzidine	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
3-Nitroaniline	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
4,6-Dinitro-2-methylphenol	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
4-Bromophenyl phenyl ether	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
4-Chloro-3-methylphenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
4-Chlorophenylphenyl ether	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
4-Nitroaniline	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
4-Nitrophenol	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
Acenaphthene	U	370.00	ug/kg	UJ									J	38.00	ug/kg	J
Acenaphthylene	J	54.00	ug/kg	J									U	360.00	ug/kg	UJ
Anthracene	J	58.00	ug/kg	J									J	83.00	ug/kg	J
Benzo(a)anthracene	J	270.00	ug/kg	J									J	330.00	ug/kg	J
Benzo(a)pyrene		410.00	ug/kg	J									J	300.00	ug/kg	J
Benzo(b)fluoranthene		560.00	ug/kg	J										360.00	ug/kg	J
Benzo(g,h,i)perylene		390.00	ug/kg	J									J	190.00	ug/kg	J
Benzo(k)fluoranthene		450.00	ug/kg	J									J	300.00	ug/kg	J
Butyl benzyl phthalate	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Carbazole	U	370.00	ug/kg	UJ									J	53.00	ug/kg	J
Chrysene		410.00	ug/kg	J										410.00	ug/kg	J
Di-n-butyl phthalate	J	290.00	ug/kg	UJ									J	360.00	ug/kg	UJ
Di-n-octyl phthalate	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Dibenzo(a,h)anthracene	J	100.00	ug/kg	J									J	70.00	ug/kg	J
Dibenzofuran	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Diethyl phthalate	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Dimethyl phthalate	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Fluoranthene		540.00	ug/kg	J										760.00	ug/kg	J
Fluorene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Hexachlorobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Hexachlorobutadiene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Hexachlorocyclopentadiene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Hexachloroethane	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Indeno(1,2,3-cd)pyrene	J	340.00	ug/kg	J									J	180.00	ug/kg	J
Isophorone	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
N-Nitroso-di-n-propylamine	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
N-Nitrosodiphenylamine	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Naphthalene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-12"				0-24"				0-24"				0-24"			
Process Area:	10				10				10				10			
Sample:	G13-024-P				G13-025-V				G13-025-S				G13-025-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4-Dichlorophenol									U	360.00	ug/kg	UJ				
2,4-Dimethylphenol									U	360.00	ug/kg	UJ				
2,4-Dinitrophenol									U	900.00	ug/kg	UJ				
2,4-Dinitrotoluene									U	360.00	ug/kg	UJ				
2,6-Dinitrotoluene									U	360.00	ug/kg	UJ				
2-Chloronaphthalene									U	360.00	ug/kg	UJ				
2-Chlorophenol									U	360.00	ug/kg	UJ				
2-Methylnaphthalene									U	360.00	ug/kg	UJ				
2-Nitroaniline									U	900.00	ug/kg	UJ				
2-Nitrophenol									U	360.00	ug/kg	UJ				
3,3'-Dichlorobenzidine									U	360.00	ug/kg	UJ				
3-Nitroaniline									U	900.00	ug/kg	UJ				
4,6-Dinitro-2-methylphenol									U	900.00	ug/kg	UJ				
4-Bromophenyl phenyl ether									U	360.00	ug/kg	UJ				
4-Chloro-3-methylphenol									U	360.00	ug/kg	UJ				
4-Chlorophenylphenyl ether									U	360.00	ug/kg	UJ				
4-Nitroaniline									U	900.00	ug/kg	UJ				
4-Nitrophenol									U	900.00	ug/kg	UJ				
Acenaphthene									J	77.00	ug/kg	J				
Acenaphthylene									J	59.00	ug/kg	J				
Anthracene									J	230.00	ug/kg	J				
Benzo(a)anthracene										580.00	ug/kg	J				
Benzo(a)pyrene										700.00	ug/kg	J				
Benzo(b)fluoranthene										760.00	ug/kg	J				
Benzo(g,h,i)perylene										810.00	ug/kg	J				
Benzo(k)fluoranthene										640.00	ug/kg	J				
Butyl benzyl phthalate									U	360.00	ug/kg	UJ				
Carbazole									J	99.00	ug/kg	J				
Chrysene										670.00	ug/kg	J				
Di-n-butyl phthalate									J	360.00	ug/kg	UJ				
Di-n-octyl phthalate									U	360.00	ug/kg	UJ				
Dibenzo(a,h)anthracene									J	190.00	ug/kg	J				
Dibenzofuran									U	360.00	ug/kg	UJ				
Diethyl phthalate									U	360.00	ug/kg	UJ				
Dimethyl phthalate									U	360.00	ug/kg	UJ				
Fluoranthene										1200.00	ug/kg	J				
Fluorene									J	79.00	ug/kg	J				
Hexachlorobenzene									U	360.00	ug/kg	UJ				
Hexachlorobutadiene									U	360.00	ug/kg	UJ				
Hexachlorocyclopentadiene									U	360.00	ug/kg	UJ				
Hexachloroethane									U	360.00	ug/kg	UJ				
Indeno(1,2,3-cd)pyrene										630.00	ug/kg	J				
Isophorone									U	360.00	ug/kg	UJ				
N-Nitroso-di-n-propylamine									U	360.00	ug/kg	UJ				
N-Nitrosodiphenylamine									U	360.00	ug/kg	UJ				
Naphthalene									U	360.00	ug/kg	UJ				

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-9.96"				0-9.96"				0-9.96"				27.96-36"			
Process Area:	1				1				1				4			
Sample:	G13-001-V				G13-001-S				G13-001-P				G13-004-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene					U	360.00	ug/kg	U								
Pentachlorophenol					U	870.00	ug/kg	U								
Phenanthrene					J	54.00	ug/kg	J								
Phenol					U	360.00	ug/kg	U								
Pyrene					J	160.00	ug/kg	J								
Pyridine																
bis(2-Chloroethoxy)methane					U	360.00	ug/kg	U								
bis(2-Chloroethyl)ether					U	360.00	ug/kg	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate					B	1300.00	ug/kg	-								
m-Methylphenol																
o-Methylphenol					U	360.00	ug/kg	U								
p-Chloroaniline					U	360.00	ug/kg	U								
p-Methylphenol (Cresol)					U	360.00	ug/kg	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016									U	37.000	ug/kg	U				
Aroclor-1221									U	76.000	ug/kg	U				
Aroclor-1232									U	37.000	ug/kg	U				
Aroclor-1242									U	37.000	ug/kg	U				
Aroclor-1248									U	37.000	ug/kg	U				
Aroclor-1254										50.000	ug/kg	-				
Aroclor-1260									U	37.000	ug/kg	U				
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

000174

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	27.96-36"	27.96-36"	0-36"	0-36"
Process Area:	4	4	2	2
Sample:	G13-004-S	G13-004-P	G13-007-V	G13-007-S

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	400.00	ug/kg	U									U	380.00	ug/kg	U
Pentachlorophenol	U	960.00	ug/kg	U									U	920.00	ug/kg	U
Phenanthrene	U	400.00	ug/kg	U									J	51.00	ug/kg	J
Phenol	U	400.00	ug/kg	U									U	380.00	ug/kg	U
Pyrene	U	400.00	ug/kg	UJ									J	87.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	400.00	ug/kg	U									U	380.00	ug/kg	U
bis(2-Chloroethyl)ether	U	400.00	ug/kg	U									U	380.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	400.00	ug/kg	UJ									J	100.00	ug/kg	J
m-Methylphenol																
o-Methylphenol	U	400.00	ug/kg	U									U	380.00	ug/kg	U
p-Chloroaniline	U	400.00	ug/kg	U									U	380.00	ug/kg	U
p-Methylphenol (Cresol)	U	400.00	ug/kg	U									U	380.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD					JP	1.900	ug/kg	J								
4,4'-DDE					U	4.000	ug/kg	U								
4,4'-DDT					U	4.000	ug/kg	U								
Aldrin					U	2.000	ug/kg	U								
Aroclor-1016					U	40.000	ug/kg	U								
Aroclor-1221					U	81.000	ug/kg	U								
Aroclor-1232					U	40.000	ug/kg	U								
Aroclor-1242					U	40.000	ug/kg	U								
Aroclor-1248					U	40.000	ug/kg	U								
Aroclor-1254					P	380.000	ug/kg	J								
Aroclor-1260					U	40.000	ug/kg	U								
Chlordane																
Dieldrin					JP	3.000	ug/kg	J								
Endosulfan II					P	11.000	ug/kg	J								
Endosulfan sulfate					U	4.000	ug/kg	U								
Endosulfan-I					U	2.000	ug/kg	U								
Endrin					P	22.000	ug/kg	J								
Endrin aldehyde					U	4.000	ug/kg	U								
Endrin ketone					JP	1.600	ug/kg	J								
Heptachlor					U	2.000	ug/kg	U								
Heptachlor epoxide					U	2.000	ug/kg	U								
Methoxychlor					BJP	20.000	ug/kg	UJ								
Toxaphene					U	200.000	ug/kg	U								
alpha-BHC					U	2.000	ug/kg	U								
alpha-Chlordane					U	2.000	ug/kg	U								
beta-BHC					U	2.000	ug/kg	U								
delta-BHC					U	2.000	ug/kg	U								
gamma-BHC (Lindane)					U	2.000	ug/kg	U								
gamma-Chlordane					JP	1.400	ug/kg	J								

000172

2123

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-6"				0-3"				0-3"				0-3"			
Process Area:	2				5				5				5			
Sample:	G13-007-P				G13-010-V				G13-010-S				G13-010-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene									U	390.00	ug/kg	U				
Pentachlorophenol									U	950.00	ug/kg	U				
Phenanthrene									U	390.00	ug/kg	U				
Phenol									U	390.00	ug/kg	U				
Pyrene									U	390.00	ug/kg	U				
Pyridine																
bis(2-Chloroethoxy)methane									U	390.00	ug/kg	U				
bis(2-Chloroethyl)ether									U	390.00	ug/kg	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									J	390.00	ug/kg	U				
m-Methylphenol																
o-Methylphenol									U	390.00	ug/kg	U				
p-Chloroaniline									U	390.00	ug/kg	U				
p-Methylphenol (Cresol)									U	390.00	ug/kg	U				
Pesticides/PCBs																
4,4'-DDD	U	3.600	ug/kg	U									U	3.900	ug/kg	U
4,4'-DDE	U	3.600	ug/kg	U									U	3.900	ug/kg	U
4,4'-DDT	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Aldrin	U	1.900	ug/kg	U									U	2.000	ug/kg	U
Aroclor-1016	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Aroclor-1221	U	73.000	ug/kg	U									U	79.000	ug/kg	U
Aroclor-1232	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Aroclor-1242	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Aroclor-1248	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Aroclor-1254	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Aroclor-1260	U	36.000	ug/kg	U									U	39.000	ug/kg	U
Chlordane																
Dieldrin	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Endosulfan II	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Endosulfan sulfate	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Endosulfan-I	U	1.900	ug/kg	U									U	2.000	ug/kg	U
Endrin	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Endrin aldehyde	U	3.600	ug/kg	U									U	3.900	ug/kg	UJ
Endrin ketone	U	3.600	ug/kg	U									U	3.900	ug/kg	U
Heptachlor	U	1.900	ug/kg	U									U	2.000	ug/kg	U
Heptachlor epoxide	U	1.900	ug/kg	U									U	2.000	ug/kg	U
Methoxychlor	U	19.000	ug/kg	U									U	20.000	ug/kg	U
Toxaphene	U	190.000	ug/kg	U									U	200.000	ug/kg	U
alpha-BHC	U	1.900	ug/kg	U									U	2.000	ug/kg	U
alpha-Chlordane	U	1.900	ug/kg	U									U	2.000	ug/kg	U
beta-BHC	U	1.900	ug/kg	U									U	2.000	ug/kg	U
delta-BHC	U	1.900	ug/kg	U									U	2.000	ug/kg	U
gamma-BHC (Lindane)	U	1.900	ug/kg	U									U	2.000	ug/kg	U
gamma-Chlordane	U	1.900	ug/kg	U									U	2.000	ug/kg	U

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-3"				0-3"				0-3"				27.96-36"			
Process Area:	5				5				5				6			
Sample:	G13-011-V DUP				G13-011-S DUP				G13-011-P DUP				G13-015-V			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene					U	390.00	ug/kg	U								
Pentachlorophenol					U	950.00	ug/kg	U								
Phenanthrene					U	390.00	ug/kg	U								
Phenol					U	390.00	ug/kg	U								
Pyrene					J	54.00	ug/kg	J								
Pyridine																
bis(2-Chloroethoxy)methane					U	390.00	ug/kg	U								
bis(2-Chloroethyl)ether					U	390.00	ug/kg	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate						540.00	ug/kg	U								
m-Methylphenol																
o-Methylphenol					U	390.00	ug/kg	U								
p-Chloroaniline					U	390.00	ug/kg	U								
p-Methylphenol (Cresol)					U	390.00	ug/kg	U								
Pesticides/PCBs																
4,4'-DDD									U	4.000	ug/kg	U				
4,4'-DDE									U	4.000	ug/kg	U				
4,4'-DDT									U	4.000	ug/kg	U				
Aldrin									U	2.000	ug/kg	U				
Aroclor-1016									U	40.000	ug/kg	U				
Aroclor-1221									U	80.000	ug/kg	U				
Aroclor-1232									U	40.000	ug/kg	U				
Aroclor-1242									U	40.000	ug/kg	U				
Aroclor-1248									U	40.000	ug/kg	U				
Aroclor-1254									U	40.000	ug/kg	U				
Aroclor-1260									U	40.000	ug/kg	U				
Chlordane																
Dieldrin									U	4.000	ug/kg	U				
Endosulfan II									U	4.000	ug/kg	U				
Endosulfan sulfate									U	4.000	ug/kg	U				
Endosulfan-I									U	2.000	ug/kg	U				
Endrin									U	4.000	ug/kg	U				
Endrin aldehyde									U	4.000	ug/kg	UJ				
Endrin ketone									U	4.000	ug/kg	U				
Heptachlor									U	2.000	ug/kg	U				
Heptachlor epoxide									U	2.000	ug/kg	U				
Methoxychlor									U	20.000	ug/kg	U				
Toxaphene									U	200.000	ug/kg	U				
alpha-BHC									U	2.000	ug/kg	U				
alpha-Chlordane									U	2.000	ug/kg	U				
beta-BHC									U	2.000	ug/kg	U				
delta-BHC									U	2.000	ug/kg	U				
gamma-BHC (Lindane)									U	2.000	ug/kg	U				
gamma-Chlordane									U	2.000	ug/kg	U				

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Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL	SOIL	SOIL	SOIL
Depth:	27.96-36"	27.96-36"	0-39"	0-39"
Process Area:	6	6	8	8
Sample:	G13-015-S	G13-015-P	G13-019S-V	G13-019S-S

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Pentachlorophenol	U	880.00	ug/kg	U									U	920.00	ug/kg	U
Phenanthrene	J	68.00	ug/kg	J									J	29.00	ug/kg	J
Phenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Pyrene	J	150.00	ug/kg	J									J	40.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	360.00	ug/kg	U									U	370.00	ug/kg	U
bis(2-Chloroethyl)ether	U	360.00	ug/kg	U									U	370.00	ug/kg	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	BJ	360.00	ug/kg	U									JB	370.00	ug/kg	U
m-Methylphenol																
o-Methylphenol	U	360.00	ug/kg	U									U	370.00	ug/kg	U
p-Chloroaniline	U	360.00	ug/kg	U									U	370.00	ug/kg	U
p-Methylphenol (Cresol)	U	360.00	ug/kg	U									U	370.00	ug/kg	U
Pesticides/PCBs																
4,4'-DDD					U	3.600	ug/kg	U								
4,4'-DDE					U	3.600	ug/kg	U								
4,4'-DDT					U	3.600	ug/kg	U								
Aldrin					U	1.800	ug/kg	U								
Aroclor-1016					U	36.000	ug/kg	U								
Aroclor-1221					U	73.000	ug/kg	U								
Aroclor-1232					U	36.000	ug/kg	U								
Aroclor-1242					U	36.000	ug/kg	U								
Aroclor-1248						53.000	ug/kg	-								
Aroclor-1254						220.000	ug/kg	-								
Aroclor-1260						77.000	ug/kg	-								
Chlordane																
Dieldrin					U	3.600	ug/kg	U								
Endosulfan II					U	3.600	ug/kg	U								
Endosulfan sulfate					U	3.600	ug/kg	U								
Endosulfan-I					U	1.800	ug/kg	U								
Endrin					U	3.600	ug/kg	U								
Endrin aldehyde					U	3.600	ug/kg	U								
Endrin ketone					U	3.600	ug/kg	U								
Heptachlor					U	1.800	ug/kg	U								
Heptachlor epoxide					U	1.800	ug/kg	U								
Methoxychlor					U	18.000	ug/kg	U								
Toxaphene					U	180.000	ug/kg	U								
alpha-BHC					U	1.800	ug/kg	U								
alpha-Chlordane					U	1.600	ug/kg	U								
beta-BHC					U	1.800	ug/kg	U								
delta-BHC					U	1.800	ug/kg	U								
gamma-BHC (Lindane)					U	1.800	ug/kg	U								
gamma-Chlordane					U	1.600	ug/kg	U								

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-39"				44.04-48"				38.04-44.04"				38.04-44.04"			
Process Area:	8				8				8				8			
Sample:	G13-019S-P				G13-019-V				G13-019-S				G13-019-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene									U	370.00	ug/kg	U				
Pentachlorophenol									U	900.00	ug/kg	U				
Phenanthrene									U	370.00	ug/kg	U				
Phenol									U	370.00	ug/kg	U				
Pyrene									U	370.00	ug/kg	U				
Pyridine																
bis(2-Chloroethoxy)methane									U	370.00	ug/kg	U				
bis(2-Chloroethyl)ether									U	370.00	ug/kg	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									J	64.00	ug/kg	J				
m-Methylphenol																
o-Methylphenol									U	370.00	ug/kg	U				
p-Chloroaniline									U	370.00	ug/kg	UJ				
p-Methylphenol (Cresol)									U	370.00	ug/kg	U				
Pesticides/PCBs																
4,4'-DDD	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
4,4'-DDE	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
4,4'-DDT	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Aldrin	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
Aroclor-1016	U	36.000	ug/kg	U									U	38.000	ug/kg	UJ
Aroclor-1221	U	73.000	ug/kg	U									U	77.000	ug/kg	UJ
Aroclor-1232	U	36.000	ug/kg	U									U	38.000	ug/kg	UJ
Aroclor-1242	U	36.000	ug/kg	U									U	38.000	ug/kg	UJ
Aroclor-1248	U	36.000	ug/kg	U									U	38.000	ug/kg	UJ
Aroclor-1254	U	36.000	ug/kg	U									U	38.000	ug/kg	UJ
Aroclor-1260	J	24.000	ug/kg	J									U	38.000	ug/kg	UJ
Chlordane																
Dieldrin	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Endosulfan II	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Endosulfan sulfate	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Endosulfan-I	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
Endrin	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Endrin aldehyde	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Endrin ketone	U	3.600	ug/kg	UJ									U	3.800	ug/kg	UJ
Heptachlor	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
Heptachlor epoxide	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
Methoxychlor	U	18.000	ug/kg	UJ									U	20.000	ug/kg	UJ
Toxaphene	U	180.000	ug/kg	U									U	200.000	ug/kg	UJ
alpha-BHC	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
alpha-Chlordane	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
beta-BHC	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
delta-BHC	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
gamma-BHC (Lindane)	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ
gamma-Chlordane	U	1.800	ug/kg	UJ									U	2.000	ug/kg	UJ

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Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL			SOIL			SOIL			SOIL		
Depth:	0-15.96"			0-18"			0-18"			0-30"		
Process Area:	10			10			10			10		
Sample:	G13-022-V			G13-022-S			G13-022-P			G13-023-V		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Nitrobenzene				U	350.00	ug/kg UJ						
Pentachlorophenol				U	880.00	ug/kg UJ						
Phenanthrene				J	130.00	ug/kg J						
Phenol				U	350.00	ug/kg UJ						
Pyrene				J	270.00	ug/kg J						
Pyridine												
bis(2-Chloroethoxy)methane				U	350.00	ug/kg UJ						
bis(2-Chloroethyl)ether				U	350.00	ug/kg UJ						
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate				J	85.00	ug/kg J						
m-Methylphenol												
o-Methylphenol				U	350.00	ug/kg UJ						
p-Chloroaniline				U	350.00	ug/kg UJ						
p-Methylphenol (Cresol)				U	350.00	ug/kg UJ						
Pesticides/PCBs												
4,4'-DDD							U	2.900	ug/kg UJ			
4,4'-DDE							U	2.900	ug/kg U			
4,4'-DDT							U	2.900	ug/kg U			
Aldrin							U	1.400	ug/kg U			
Aroclor-1016							U	29.000	ug/kg U			
Aroclor-1221							U	58.000	ug/kg U			
Aroclor-1232							U	29.000	ug/kg U			
Aroclor-1242							U	29.000	ug/kg U			
Aroclor-1248							U	29.000	ug/kg U			
Aroclor-1254							U	29.000	ug/kg U			
Aroclor-1260							U	29.000	ug/kg U			
Chlordane												
Dieldrin							U	2.900	ug/kg U			
Endosulfan II							U	2.900	ug/kg U			
Endosulfan sulfate							U	2.900	ug/kg U			
Endosulfan-I							U	1.400	ug/kg U			
Endrin							U	2.900	ug/kg UJ			
Endrin aldehyde							U	2.900	ug/kg UJ			
Endrin ketone							U	2.900	ug/kg U			
Heptachlor							U	1.400	ug/kg U			
Heptachlor epoxide							U	1.400	ug/kg U			
Methoxychlor							U	14.000	ug/kg U			
Toxaphene							U	140.000	ug/kg U			
alpha-BHC							U	1.400	ug/kg UJ			
alpha-Chlordane							U	1.400	ug/kg U			
beta-BHC							U	1.400	ug/kg U			
delta-BHC							U	1.400	ug/kg U			
gamma-BHC (Lindane)							U	1.400	ug/kg UJ			
gamma-Chlordane							U	1.400	ug/kg U			

Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-30"				0-30"				0-12"				0-12"			
Process Area:	10				10				10				10			
Sample:	G13-023-S				G13-023-P				G13-024-V				G13-024-S			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Pentachlorophenol	U	920.00	ug/kg	UJ									U	910.00	ug/kg	UJ
Phenanthrene	J	290.00	ug/kg	J										500.00	ug/kg	J
Phenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Pyrene		520.00	ug/kg	J										630.00	ug/kg	J
Pyridine																
bis(2-Chloroethoxy)methane	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
bis(2-Chloroethyl)ether	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	J	230.00	ug/kg	J									J	92.00	ug/kg	J
m-Methylphenol																
o-Methylphenol	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
p-Chloroaniline	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
p-Methylphenol (Cresol)	U	370.00	ug/kg	UJ									U	360.00	ug/kg	UJ
Pesticides/PCBs																
4,4'-DDD					U	3.700	ug/kg	UJ								
4,4'-DDE					U	3.700	ug/kg	U								
4,4'-DDT					U	3.700	ug/kg	U								
Aldrin					U	1.900	ug/kg	U								
Aroclor-1016					U	37.000	ug/kg	U								
Aroclor-1221					U	75.000	ug/kg	U								
Aroclor-1232					U	37.000	ug/kg	U								
Aroclor-1242					U	37.000	ug/kg	U								
Aroclor-1248					U	37.000	ug/kg	U								
Aroclor-1254					D	5100.000	ug/kg	-								
Aroclor-1260					U	37.000	ug/kg	U								
Chlordane																
Dieldrin					U	3.700	ug/kg	U								
Endosulfan II					U	3.700	ug/kg	U								
Endosulfan sulfate					U	3.700	ug/kg	U								
Endosulfan-I					U	1.900	ug/kg	U								
Endrin					U	3.700	ug/kg	UJ								
Endrin aldehyde					U	3.700	ug/kg	UJ								
Endrin ketone					U	3.700	ug/kg	U								
Heptachlor					U	1.900	ug/kg	U								
Heptachlor epoxide					U	1.900	ug/kg	U								
Methoxychlor					U	19.000	ug/kg	U								
Toxaphene					U	190.000	ug/kg	U								
alpha-BHC					U	1.900	ug/kg	UJ								
alpha-Chlordane					U	1.900	ug/kg	U								
beta-BHC					U	1.900	ug/kg	U								
delta-BHC					U	1.900	ug/kg	U								
gamma-BHC (Lindane)					U	1.900	ug/kg	UJ								
gamma-Chlordane					U	1.900	ug/kg	U								

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Appendix L.3 - Additional Data
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	SOIL				SOIL				SOIL				SOIL			
Depth:	0-12"				0-24"				0-24"				0-24"			
Process Area:	10				10				10				10			
Sample:	G13-024-P				G13-025-V				G13-025-S				G13-025-P			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Nitrobenzene									U	360.00	ug/kg	UJ				
Pentachlorophenol									U	900.00	ug/kg	UJ				
Phenanthrene										820.00	ug/kg	J				
Phenol									U	360.00	ug/kg	UJ				
Pyrene										1200.00	ug/kg	J				
Pyridine																
bis(2-Chloroethoxy)methane									U	360.00	ug/kg	UJ				
bis(2-Chloroethyl)ether									U	360.00	ug/kg	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									J	44.00	ug/kg	J				
m-Methylphenol																
o-Methylphenol									U	360.00	ug/kg	UJ				
p-Chloroaniline									U	360.00	ug/kg	UJ				
p-Methylphenol (Cresol)									U	360.00	ug/kg	UJ				
Pesticides/PCBs																
4,4'-DDD	U	3.600	ug/kg	UJ									U	3.600	ug/kg	UJ
4,4'-DDE	U	3.600	ug/kg	U									U	3.600	ug/kg	U
4,4'-DDT	U	3.600	ug/kg	U									U	3.600	ug/kg	U
Aldrin	U	1.800	ug/kg	U									U	1.800	ug/kg	U
Aroclor-1016	U	36.000	ug/kg	U									U	36.000	ug/kg	U
Aroclor-1221	U	72.000	ug/kg	U									U	72.000	ug/kg	U
Aroclor-1232	U	36.000	ug/kg	U									U	36.000	ug/kg	U
Aroclor-1242	U	36.000	ug/kg	U									U	36.000	ug/kg	U
Aroclor-1248	U	36.000	ug/kg	U									U	36.000	ug/kg	U
Aroclor-1254	D	620.000	ug/kg	-									U	36.000	ug/kg	U
Aroclor-1260	U	36.000	ug/kg	U									U	36.000	ug/kg	U
Chlordane																
Dieldrin	U	3.600	ug/kg	U									U	3.600	ug/kg	U
Endosulfan II	U	3.600	ug/kg	U									U	3.600	ug/kg	U
Endosulfan sulfate	U	3.600	ug/kg	U									U	3.600	ug/kg	U
Endosulfan-I	U	1.800	ug/kg	U									U	1.800	ug/kg	U
Endrin	U	3.600	ug/kg	UJ									U	3.600	ug/kg	UJ
Endrin aldehyde	U	3.600	ug/kg	UJ									U	3.600	ug/kg	UJ
Endrin ketone	U	3.600	ug/kg	U									U	3.600	ug/kg	U
Heptachlor	U	1.800	ug/kg	U									U	1.800	ug/kg	U
Heptachlor epoxide	U	1.800	ug/kg	U									U	1.800	ug/kg	U
Methoxychlor	U	18.000	ug/kg	U									U	18.000	ug/kg	U
Toxaphene	U	180.000	ug/kg	U									U	180.000	ug/kg	U
alpha-BHC	U	1.800	ug/kg	UJ									U	1.800	ug/kg	UJ
alpha-Chlordane	U	1.800	ug/kg	U									U	1.800	ug/kg	U
beta-BHC	U	1.800	ug/kg	U									U	1.800	ug/kg	U
delta-BHC	U	1.800	ug/kg	U									U	1.800	ug/kg	U
gamma-BHC (Lindane)	U	1.800	ug/kg	UJ									U	1.800	ug/kg	UJ
gamma-Chlordane	U	1.800	ug/kg	U									U	1.800	ug/kg	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				4			
Sample:	1A-006				1A-009				1A-016			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.40		UJ	pCi/L	.40		UJ	pCi/L	.40		UJ	pCi/L
Cesium-137	1.00		UJ	pCi/L	1.40		UJ	pCi/L	1.20		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	1.50		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.01	+/- .14	UJ	pCi/L	-.05	+/- .19	UJ	pCi/L	-.13	+/- .18	UJ	pCi/L
Plutonium-238	.50		UJ	pCi/L	.60		UJ	pCi/L	.70		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.30		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-241												
Polonium-210	3.10		UJ	pCi/L	3.20		UJ	pCi/L	3.40		UJ	pCi/L
Radium-226	.50		UJ	pCi/L	.60		UJ	pCi/L	.60		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L	1.40		UJ	pCi/L	1.80		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L	2.20		UJ	pCi/L	1.50		UJ	pCi/L
Technetium-99	26.00		UJ	pCi/L	26.50		UJ	pCi/L	26.50		UJ	pCi/L
Thorium-227												
Thorium-228	.18	+/- .2588	UJ	pCi/L	.03	+/- .2266	UJ	pCi/L	-.07	+/- .2495	UJ	pCi/L
Thorium-230	-1.65	+/- .65	UJ	pCi/L	-2.26	+/- .67	UJ	pCi/L	-2.08	+/- .65	UJ	pCi/L
Thorium-232	.13	+/- .161	UJ	pCi/L	-.01	+/- .09144	UJ	pCi/L	.01	+/- .1205	UJ	pCi/L
Uranium, Total	.80	+/- .1	-	ug/L	.40	+/- .03	-	ug/L	4.90	+/- .5	-	ug/L
Uranium-233/234												
Uranium-234	.23	+/- .2792	UJ	pCi/L	.20	+/- .2729	UJ	pCi/L	2.77	+/- .6131	UJ	pCi/L
Uranium-235												
Uranium-235/236	.01	+/- .12	UJ	pCi/L	-.02	+/- .1042	UJ	pCi/L	.03	+/- .1276	UJ	pCi/L
Uranium-238	.37	+/- .2669	UJ	pCi/L	.18	+/- .198	UJ	pCi/L	2.23	+/- .5183	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Radionuclides

Material:	DI WATER RINSATE				DI WATER FIELD BLANK				DI WATER FIELD BLANK			
Qa Type:	5				5				6			
Process Area:	1A-017				1A-022				1A-029			
Sample:												
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60		UJ	pCi/L	.30		UJ	pCi/L	.60		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L	1.50		UJ	pCi/L	1.10		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.30		UJ	pCi/L	2.50	+/- 3.1	R	pCi/L
Neptunium-237	.01	+/- .17	UJ	pCi/L	.00	+/- .19	UJ	pCi/L	.37	+/- .31	UJ	pCi/L
Plutonium-238	.50		UJ	pCi/L	.50		UJ	pCi/L	.40		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.30		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241												
Polonium-210	4.60		R	pCi/L	11.30		R	pCi/L	3.00		R	pCi/L
Radium-226	.60		UJ	pCi/L	.60		UJ	pCi/L	.70		UJ	pCi/L
Radium-228	1.40		UJ	pCi/L	1.80		UJ	pCi/L	1.60		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L	1.60		UJ	pCi/L	2.20		UJ	pCi/L
Technetium-99	26.20		UJ	pCi/L	26.00		UJ	pCi/L	25.50		UJ	pCi/L
Thorium-227												
Thorium-228	.08	+/- .217	UJ	pCi/L	-.07	+/- .304	UJ	pCi/L	.04	+/- .2257	UJ	pCi/L
Thorium-230	-2.41	+/- .67	UJ	pCi/L	-2.27	+/- .67	UJ	pCi/L	-2.12	+/- .66	UJ	pCi/L
Thorium-232	.00	+/- .08739	UJ	pCi/L	.01	+/- .1007	UJ	pCi/L	-.03	+/- .1085	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	4.50	+/- .4	-	ug/L	.30	+/- .03	-	ug/L
Uranium-233/234												
Uranium-234	-.04	+/- .1633	UJ	pCi/L	.60	+/- .3184	J	pCi/L	.04	+/- .2077	UJ	pCi/L
Uranium-235												
Uranium-235/236	-.02	+/- .04348	UJ	pCi/L	-.01	+/- .0963	UJ	pCi/L	.14	+/- .1808	UJ	pCi/L
Uranium-238	.03	+/- .1361	UJ	pCi/L	.94	+/- .3433	J	pCi/L	.12	+/- .1803	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				RINSATE			
Process Area:	1				1				1			
Sample:	2A-009R				2A-013				2A-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.42		UJ	pCi/L	.10		UJ	pCi/L	.17		UJ	pCi/L
Cesium-137	3.70		UJ	pCi/L	4.00		UJ	pCi/L	4.30		UJ	pCi/L
Lead-210	8.30		UJ	pCi/L	5.90		UJ	pCi/L	7.10		UJ	pCi/L
Neptunium-237	.28		UJ	pCi/L								
Plutonium-238	.14		UJ	pCi/L	.09		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L	.10		UJ	pCi/L	.19	+/- .093	-	pCi/L
Plutonium-241												
Polonium-210	.26		UJ	pCi/L	.36		UJ	pCi/L	.28		UJ	pCi/L
Radium-226	.55	+/- .34	J	pCi/L	.13		UJ	pCi/L	.40		UJ	pCi/L
Radium-228	6.50		UJ	pCi/L	1.80		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	6.50		UJ	pCi/L	1.30		UJ	pCi/L	1.20		UJ	pCi/L
Technetium-99	44.00		UJ	pCi/L	7.20		UJ	pCi/L	6.00		UJ	pCi/L
Thorium-227												
Thorium-228	.26		UJ	pCi/L	1.40		UJ	pCi/L	.15		UJ	pCi/L
Thorium-230	.12		UJ	pCi/L	2.30		UJ	pCi/L	.37		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L	.52		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.05		UJ	ug/L	.05		UJ	ug/L	.05		UJ	ug/L
Uranium-233/234					1.50		UJ	pCi/L	12.30	+/- 7.2	J	pCi/L
Uranium-234	.52		UJ	pCi/L								
Uranium-235												
Uranium-235/236	.10		UJ	pCi/L	1.30		UJ	pCi/L	.70		UJ	pCi/L
Uranium-238	.43		UJ	pCi/L	1.80		UJ	pCi/L	12.30	+/- 6.4	J	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				RINSATE				FIELD BLANK			
Process Area:	1				2				2			
Sample:	2A-020				2A-026				2A-027			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.37		UJ	pCi/L	.22		UJ	pCi/L	.18		UJ	pCi/L
Cesium-137	3.50		UJ	pCi/L	3.70		UJ	pCi/L	4.00		UJ	pCi/L
Lead-210	9.30		UJ	pCi/L	16.80	+/- 8.8	J	pCi/L	4.10		UJ	pCi/L
Neptunium-237	.46		UJ	pCi/L	.31		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-238	.27		UJ	pCi/L	.15		UJ	pCi/L	.17		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.11		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-241												
Polonium-210	.40	+/- .34	J	pCi/L	.18		UJ	pCi/L	.23		UJ	pCi/L
Radium-226	.41		UJ	pCi/L	.71	+/- .33	-	pCi/L	1.44	+/- .51	J	pCi/L
Radium-228	5.80		UJ	pCi/L	6.00		UJ	pCi/L	2.60		UJ	pCi/L
Strontium-90	3.00		UJ	pCi/L	2.80		UJ	pCi/L	17.60	+/- 4.9	U	pCi/L
Technetium-99	42.00		UJ	pCi/L	49.00		UJ	pCi/L	20.00		UJ	pCi/L
Thorium-227												
Thorium-228	.46		UJ	pCi/L	.96	+/- .35	-	pCi/L	.36		UJ	pCi/L
Thorium-230	.23		UJ	pCi/L	.33	+/- .18	J	pCi/L	.26		UJ	pCi/L
Thorium-232	.25		UJ	pCi/L	.15		UJ	pCi/L	.23		UJ	pCi/L
Uranium, Total	.05		UJ	ug/L	.05		UJ	ug/L	.34	+/- .028	-	ug/L
Uranium-233/234												
Uranium-234	.27		UJ	pCi/L	.26	+/- .19	J	pCi/L	.45	+/- .21	J	pCi/L
Uranium-235												
Uranium-235/236	.30	+/- .12	J	pCi/L	.12		UJ	pCi/L	.15	+/- .088	J	pCi/L
Uranium-238	.18		UJ	pCi/L	.28	+/- .17	J	pCi/L	.41	+/- .19	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	3				4				5			
Sample:	2A-036				2A-047				2A-053R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.06		UJ	pCi/L	.09		UJ	pCi/L	.17		UJ	pCi/L
Cesium-137	4.70		UJ	pCi/L	4.30		UJ	pCi/L	4.20		UJ	pCi/L
Lead-210	6.00		UJ	pCi/L	6.20		UJ	pCi/L	9.20		UJ	pCi/L
Neptunium-237									.69		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L	.05		UJ	pCi/L	.14		UJ	pCi/L
Plutonium-239/240	.15		UJ	pCi/L	.08		UJ	pCi/L	.11		UJ	pCi/L
Plutonium-241												
Polonium-210	.16		UJ	pCi/L	.32		UJ	pCi/L	.23		UJ	pCi/L
Radium-226	.22		UJ	pCi/L	.55		UJ	pCi/L	.28		UJ	pCi/L
Radium-228	3.79	+/- 1.5	-	pCi/L	1.80		UJ	pCi/L	1.00		UJ	pCi/L
Strontium-90	1.20		UJ	pCi/L	1.40		UJ	pCi/L	2.40		UJ	pCi/L
Technetium-99	16.20	+/- 8.5	J	pCi/L	7.20		UJ	pCi/L	8.00		UJ	pCi/L
Thorium-227												
Thorium-228	.16		UJ	pCi/L	.18		UJ	pCi/L	.40	+/- .2	J	pCi/L
Thorium-230	.38		UJ	pCi/L	.39		UJ	pCi/L	.22	+/- .18	J	pCi/L
Thorium-232	.08		UJ	pCi/L	.03		UJ	pCi/L	.25	+/- .13	J	pCi/L
Uranium, Total	.05		UJ	ug/L	.05		UJ	ug/L	.13	+/- .006	J	ug/L
Uranium-233/234	1.60		UJ	pCi/L	2.99	+/- 2.7	J	pCi/L				
Uranium-234									.32		UJ	pCi/L
Uranium-235												
Uranium-235/236	1.30		UJ	pCi/L	.68		UJ	pCi/L	.13		UJ	pCi/L
Uranium-238	1.50		UJ	pCi/L	2.46	+/- 2.3	J	pCi/L	.23		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	2B-006

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L
Lead-210	2.00		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.14		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L
Plutonium-241				
Polonium-210	.21		UJ	pCi/L
Radium-226	.53		UJ	pCi/L
Radium-228	.87		UJ	pCi/L
Strontium-90	.18		UJ	pCi/L
Technetium-99	13.00	+/- 6.6	J	pCi/L
Thorium-227				
Thorium-228	.17		UJ	pCi/L
Thorium-230	.20		UJ	pCi/L
Thorium-232	.17		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L
Uranium-233/234				
Uranium-234	.50	+/- .17	J	pCi/L
Uranium-235				
Uranium-235/236	.05		UJ	pCi/L
Uranium-238	.33	+/- .15	J	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	2C-008			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.16		UJ	pCi/L
Cesium-137	1.90		UJ	pCi/L
Lead-210	3.10	+/- 2.5	J	pCi/L
Neptunium-237	.26		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.18		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.78		UJ	pCi/L
Radium-228	1.90	+/- .73	-	pCi/L
Strontium-90	.17		UJ	pCi/L
Technetium-99	15.00		UJ	pCi/L
Thorium-227				
Thorium-228	.26		UJ	pCi/L
Thorium-230	.48		UJ	pCi/L
Thorium-232	.11		UJ	pCi/L
Uranium, Total	.09		UJ	ug/L
Uranium-233/234				
Uranium-234	.12		UJ	pCi/L
Uranium-235				
Uranium-235/236	.12		UJ	pCi/L
Uranium-238	.08		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				2				2			
Sample:	2D-006				2D-013				2D-017			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.10		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	9.80		UJ	pCi/L	6.10		UJ	pCi/L				
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L	1.30		UJ	pCi/L
Neptunium-237	.13	+/- .19	UJ	pCi/L	-.02	+/- .1	UJ	pCi/L	.05	+/- .1	J	pCi/L
Plutonium-238	.07	+/- .22	UJ	pCi/L	-.02	+/- .21	UJ	pCi/L	.01	+/- .21	UJ	pCi/L
Plutonium-239/240	.01	+/- .1	UJ	pCi/L	.09	+/- .1	UJ	pCi/L	.03	+/- .08	UJ	pCi/L
Plutonium-241												
Polonium-210	.60		UJ	pCi/L	.50		UJ	pCi/L				
Radium-226	.40		UJ	pCi/L	.40		UJ	pCi/L	.40		UJ	pCi/L
Radium-228	3.10		UJ	pCi/L	3.50	+/- 3	J	pCi/L	3.60	+/- 2.9	J	pCi/L
Strontium-90	1.70		UJ	pCi/L	1.90		UJ	pCi/L	1.80		UJ	pCi/L
Technetium-99	24.30		UJ	pCi/L	24.90		UJ	pCi/L				
Thorium-227												
Thorium-228	-.14	+/- .3	UJ	pCi/L	-.06	+/- .32	UJ	pCi/L	.05	+/- .31	UJ	pCi/L
Thorium-230	-.62	+/- .53	UJ	pCi/L	.16	+/- .58	UJ	pCi/L	-.17	+/- .57	UJ	pCi/L
Thorium-232	-.04	+/- .25	UJ	pCi/L	.00	+/- .23	UJ	pCi/L	-.15	+/- .23	UJ	pCi/L
Uranium, Total	1.40		J	ug/L	.10		UJ	ug/L	.50	+/- .1	J	ug/L
Uranium-233/234												
Uranium-234	.33	+/- .24	J	pCi/L	-.14	+/- .19	UJ	pCi/L	-.11	+/- .2	UJ	pCi/L
Uranium-235	-.01	+/- .09	UJ	pCi/L	-.05	+/- .1	UJ	pCi/L	.06	+/- .11	UJ	pCi/L
Uranium-235/236												
Uranium-238	.65	+/- .21	J	pCi/L	.06	+/- .1	UJ	pCi/L	.10	+/- .14	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	3
Sample:	2D-024

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.05		UJ	pCi/L
Cesium-137	17.00	+/- 3.7	-	pCi/L
Lead-210	13.00	+/- 3.8	-	pCi/L
Neptunium-237	.15		UJ	pCi/L
Plutonium-238	.22		UJ	pCi/L
Plutonium-239/240	.18		UJ	pCi/L
Plutonium-241				
Polonium-210	2.00		UJ	pCi/L
Radium-226	1.10		UJ	pCi/L
Radium-228	.96		UJ	pCi/L
Strontium-90	.78	+/- .34	-	pCi/L
Technetium-99	7.00		UJ	pCi/L
Thorium-227				
Thorium-228	.16	+/- .14	J	pCi/L
Thorium-230	.16	+/- .13	J	pCi/L
Thorium-232	.12		UJ	pCi/L
Uranium, Total	.14	+/- .0037	-	ug/L
Uranium-233/234				
Uranium-234	.25	+/- .14	J	pCi/L
Uranium-235				
Uranium-235/236	.11		UJ	pCi/L
Uranium-238	.16	+/- .12	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 2E - NFS Storage & Pump House
Analytical Results - Radionuclides

Material:	DI WATER.			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	2E-009			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L
Lead-210	2.40		UJ	pCi/L
Neptunium-237	.14		UJ	pCi/L
Plutonium-238	.16		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L
Plutonium-241				
Polonium-210	.20		UJ	pCi/L
Radium-226	.87		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	.17		UJ	pCi/L
Technetium-99	5.60		UJ	pCi/L
Thorium-227				
Thorium-228	.16		UJ	pCi/L
Thorium-230	.18		UJ	pCi/L
Thorium-232	.13		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L
Uranium-233/234				
Uranium-234	.96	+/- .19	J	pCi/L
Uranium-235				
Uranium-235/236	.08		UJ	pCi/L
Uranium-238	.27	+/- .14	J	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2F - Cold Side Ore Conveyor
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	2F-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.21		UJ	pCi/L
Cesium-137	1.60		UJ	pCi/L
Lead-210	3.00		UJ	pCi/L
Neptunium-237				
Plutonium-238				
Plutonium-239/240				
Plutonium-241				
Polonium-210	.69		UJ	pCi/L
Radium-226	1.10		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	.68	+/- .23	J	pCi/L
Technetium-99	29.00	+/- 6.7	J	pCi/L
Thorium-227				
Thorium-228				
Thorium-230				
Thorium-232				
Uranium, Total	.85		UJ	ug/L
Uranium-233/234				
Uranium-234	.34		UJ	pCi/L
Uranium-235				
Uranium-235/236	.03		UJ	pCi/L
Uranium-238	.32		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 2G - Hot Side Ore Conveyor
Analytical Results - Radionuclides

	Material:	DI WATER			
	Qa Type:	FIELD BLANK			
	Process Area:	1			
	Sample:	2G-004			
		RESULT	+/-TPU	VQ	UNITS
Radionuclides					
Americium-241		.84		UJ	pCi/L
Cesium-137		6.60		UJ	pCi/L
Lead-210		2.35		UJ	pCi/L
Neptunium-237		.11		UJ	pCi/L
Plutonium-238		.04		UJ	pCi/L
Plutonium-239/240		.03		UJ	pCi/L
Plutonium-241					
Polonium-210		.90		UJ	pCi/L
Radium-226		.37		UJ	pCi/L
Radium-228		5.59	+/- 1.3	-	pCi/L
Strontium-90		.53		UJ	pCi/L
Technetium-99		12.80		UJ	pCi/L
Thorium-227					
Thorium-228		.16		UJ	pCi/L
Thorium-230		.14	+/- .124	J	pCi/L
Thorium-232		.07		UJ	pCi/L
Uranium, Total		.87	+/- .0514	-	ug/L
Uranium-233/234					
Uranium-234		.28		UJ	pCi/L
Uranium-235					
Uranium-235/236		.16		UJ	pCi/L
Uranium-238		.19		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	2H-006				2H-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/L	.18		UJ	pCi/L
Cesium-137	2.10		UJ	pCi/L	47.00	+/- 4.4	-	pCi/L
Lead-210	3.10	+/- 2.2	J	pCi/L	7.40	+/- 2.6	-	pCi/L
Neptunium-237	.08	+/- .044	J	pCi/L	.05		UJ	pCi/L
Plutonium-238	.18		UJ	pCi/L	.17		UJ	pCi/L
Plutonium-239/240	.16		UJ	pCi/L	.14		UJ	pCi/L
Plutonium-241								
Polonium-210	.65		UJ	pCi/L	.75		UJ	pCi/L
Radium-226	.44		UJ	pCi/L	.73		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L	1.10		UJ	pCi/L
Strontium-90	.38		UJ	pCi/L	.22		UJ	pCi/L
Technetium-99	16.00	+/- 5.6	J	pCi/L	19.00	+/- 5.7	J	pCi/L
Thorium-227								
Thorium-228	.29		UJ	pCi/L	.26		UJ	pCi/L
Thorium-230	.23		UJ	pCi/L	.21		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L	.18		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L	1.00	+/- .033	-	ug/L
Uranium-233/234								
Uranium-234	.17		UJ	pCi/L	2.70	+/- .29	J	pCi/L
Uranium-235								
Uranium-235/236	.06		UJ	pCi/L	.12	+/- .71	J	pCi/L
Uranium-238	.17		UJ	pCi/L	2.50	+/- .28	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3A - Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3A-008R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	5.60		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.50		UJ	pCi/L
Plutonium-238	3.10		UJ	pCi/L
Plutonium-239/240	2.40		UJ	pCi/L
Plutonium-241				
Polonium-210	1.20		UJ	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	11.70		UJ	pCi/L
Thorium-227				
Thorium-228	-3.45	+/- 1.935	UJ	pCi/L
Thorium-230	-1.89	+/- 1.819	UJ	pCi/L
Thorium-232	-1.81	+/- 1.56	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	81.10	+/- 13.46	J	pCi/L
Uranium-235	.07	+/- .1998	UJ	pCi/L
Uranium-235/236				
Uranium-238	-.10	+/- .1397	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3B - Ozone Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3B-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.40		UJ	pCi/L
Lead-210	90.00		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.15		UJ	pCi/L
Radium-226	.39	+/- .2	J	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	.88		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	.08		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.06		UJ	pCi/L
Uranium-235				
Uranium-235/236	.05		UJ	pCi/L
Uranium-238	.07		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 3C - NAR Control House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3C-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.16		UJ	pCi/L
Cesium-137	6.50		UJ	pCi/L
Lead-210	95.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.18		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L
Strontium-90	.90		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07		UJ	pCi/L
Thorium-230	.18	+/- .56	J	pCi/L
Thorium-232	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.07		UJ	pCi/L
Uranium-235				
Uranium-235/236	.05		UJ	pCi/L
Uranium-238	.07		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3D-007			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		UJ	pCi/L
Cesium-137	7.20		UJ	pCi/L
Lead-210	98.00		UJ	pCi/L
Neptunium-237	.07		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L
Plutonium-241	1.80		UJ	pCi/L
Polonium-210	.12		UJ	pCi/L
Radium-226	.09		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	.77		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.09		UJ	pCi/L
Thorium-230	.12		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L
Uranium-233/234				
Uranium-234	.09		UJ	pCi/L
Uranium-235				
Uranium-235/236	.06		UJ	pCi/L
Uranium-238	.13		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3E-009			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.13		UJ	pCi/L
Cesium-137	7.70		UJ	pCi/L
Lead-210	330.00	+/- 110	-	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.19		UJ	pCi/L
Radium-226	.13		UJ	pCi/L
Radium-228	2.00		UJ	pCi/L
Strontium-90	.98		UJ	pCi/L
Technetium-99	17.00	+/- 11	J	pCi/L
Thorium-227				
Thorium-228	.08		UJ	pCi/L
Thorium-230	.38	+/- .6	J	pCi/L
Thorium-232	.07		UJ	pCi/L
Uranium, Total	.41		UJ	ug/L
Uranium-233/234				
Uranium-234	.18		UJ	pCi/L
Uranium-235				
Uranium-235/236	.09		UJ	pCi/L
Uranium-238	.15		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	3F-006				3F-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.14	+/- 1.1	UJ	pCi/L	.17		UJ	pCi/L
Cesium-137	7.00	+/- 3.9	UJ	pCi/L	7.80		UJ	pCi/L
Lead-210	100.00	+/- 100	UJ	pCi/L	110.00		UJ	pCi/L
Neptunium-237	.12	+/- .1	UJ	pCi/L	.20		UJ	pCi/L
Plutonium-238	.03	+/- .46	UJ	pCi/L	.01	+/- .54	J	pCi/L
Plutonium-239/240	.07	+/- .46	UJ	pCi/L	.05		UJ	pCi/L
Plutonium-241					-42.00	+/- 5.4	UJ	pCi/L
Polonium-210	.13	+/- .81	UJ	pCi/L	.20		UJ	pCi/L
Radium-226	.12	+/- .073	UJ	pCi/L	.11		UJ	pCi/L
Radium-228	1.60	+/- .97	UJ	pCi/L	1.60		UJ	pCi/L
Strontium-90	.82	+/- .48	UJ	pCi/L	1.20		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227								
Thorium-228	.07	+/- .59	UJ	pCi/L	.07		UJ	pCi/L
Thorium-230	.17	+/- .61	J	pCi/L	.09	+/- .55	J	pCi/L
Thorium-232	.06	+/- .59	UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.50	+/- .08	J	ug/L	.56	+/- .08	-	ug/L
Uranium-233/234								
Uranium-234	.08	+/- .59	UJ	pCi/L	14.00	+/- 2.3	J	pCi/L
Uranium-235								
Uranium-235/236	.06	+/- .72	UJ	pCi/L	1.20	+/- .97	J	pCi/L
Uranium-238	.07	+/- .59	UJ	pCi/L	18.00	+/- 2.8	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3G - Refrigeration Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3G-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		UJ	pCi/L
Cesium-137	6.10		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	2.80		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	25.70		UJ	pCi/L
Thorium-227				
Thorium-228				
Thorium-230				
Thorium-232				
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234				
Uranium-235				
Uranium-235/236				
Uranium-238				

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3H-008			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/L
Cesium-137	1.20		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.06	+/- .0783	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.60	+/- .8	J	pCi/L
Radium-228	1.30	+/- 1.5	J	pCi/L
Strontium-90	1.40		UJ	pCi/L
Technetium-99	25.40		UJ	pCi/L
Thorium-227				
Thorium-228	2.36	+/- .92	J	pCi/L
Thorium-230	11.60	+/- 2.68	J	pCi/L
Thorium-232	.71	+/- .67	UJ	pCi/L
Uranium, Total	8.70	+/- .8	J	ug/L
Uranium-233/234				
Uranium-234	.40		UJ	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	.30		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3J-008			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		UJ	pCi/L
Cesium-137	2.50		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	1.00		UJ	pCi/L
Plutonium-239/240	.60		UJ	pCi/L
Plutonium-241				
Polonium-210	1.00		UJ	pCi/L
Radium-226	.20	+/- .2	J	pCi/L
Radium-228	2.20	+/- 1.3	J	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	11.80		UJ	pCi/L
Thorium-227				
Thorium-228	-.11	+/- .3718	UJ	pCi/L
Thorium-230	-.34	+/- .3038	UJ	pCi/L
Thorium-232	-.21	+/- .249	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	-.48	+/- .3491	UJ	pCi/L
Uranium-235				
Uranium-235/236	-.08	+/- .2164	UJ	pCi/L
Uranium-238	-.17	+/- .1795	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	3K-008			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14	+/- 1.1	UJ	pCi/L
Cesium-137	7.40	+/- 4.7	UJ	pCi/L
Lead-210	290.00	+/- 95	-	pCi/L
Neptunium-237	.12	+/- .12	UJ	pCi/L
Plutonium-238	.04	+/- .46	UJ	pCi/L
Plutonium-239/240	1.90		UJ	pCi/L
Plutonium-241	-4.70	+/- 3.5	UJ	pCi/L
Polonium-210	.15	+/- .85	UJ	pCi/L
Radium-226	.11	+/- .078	UJ	pCi/L
Radium-228	1.80	+/- 1.1	UJ	pCi/L
Strontium-90	.12	+/- .55	UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.15	+/- .7	J	pCi/L
Thorium-230	.16	+/- .71	UJ	pCi/L
Thorium-232	.07	+/- .69	UJ	pCi/L
Uranium, Total	.44	+/- .08	J	ug/L
Uranium-233/234				
Uranium-234	.89	+/- .61	J	pCi/L
Uranium-235				
Uranium-235/236	.07	+/- .72	J	pCi/L
Uranium-238	.94	+/- .62	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3L - Electrical Power Center Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	3L-003				3L-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.52		R	pCi/L	.90		R	pCi/L
Cesium-137	3.80	+/- 2.3	J	pCi/L	2.10		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L	.90		UJ	pCi/L
Plutonium-239/240	.50		UJ	pCi/L	.50		UJ	pCi/L
Plutonium-241								
Polonium-210	20.70		R	pCi/L	2.10		UJ	pCi/L
Radium-226	.20		UJ	pCi/L	.20		UJ	pCi/L
Radium-228	1.90	+/- 1.6	J	pCi/L	2.20	+/- 1.6	J	pCi/L
Strontium-90	1.80		UJ	pCi/L	2.10	+/- 2.5	R	pCi/L
Technetium-99	12.30		UJ	pCi/L	11.50		UJ	pCi/L
Thorium-227								
Thorium-228	.02	+/- .393	UJ	pCi/L	-.22	+/- .4339	UJ	pCi/L
Thorium-230	-.06	+/- .3537	UJ	pCi/L	-.04	+/- .3926	UJ	pCi/L
Thorium-232	-.11	+/- .1958	UJ	pCi/L	.12	+/- .3577	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L	.10	+/- 0	-	ug/L
Uranium-233/234								
Uranium-234	.11	+/- .4806	UJ	pCi/L	-.30	+/- .3451	UJ	pCi/L
Uranium-235								
Uranium-235/236	.09	+/- .342	UJ	pCi/L	.08	+/- .2047	UJ	pCi/L
Uranium-238	.19	+/- .3503	UJ	pCi/L	-.02	+/- .161	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				RINSATE			
Process Area:	2				1				2			
Sample:	4A-005A				4A-010				4A-021A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/L	.11		UJ	pCi/L	.21		UJ	pCi/L
Cesium-137	4.80		UJ	pCi/L	4.80		UJ	pCi/L	4.50		UJ	pCi/L
Lead-210	6.20		UJ	pCi/L	4.90		UJ	pCi/L	5.80		UJ	pCi/L
Neptunium-237												
Plutonium-238	.22	+/- .11	J	pCi/L	.12		UJ	pCi/L	.11		UJ	pCi/L
Plutonium-239/240	.13		UJ	pCi/L	.14		UJ	pCi/L	.12		UJ	pCi/L
Plutonium-241												
Polonium-210	.32		UJ	pCi/L	.18		UJ	pCi/L	.27		UJ	pCi/L
Radium-226	.12		UJ	pCi/L	.17	+/- .19	J	pCi/L	.36	+/- .2	J	pCi/L
Radium-228	1.96	+/- 1.5	J	pCi/L	4.57	+/- 1.7	-	pCi/L	2.43	+/- 1.5	J	pCi/L
Strontium-90	1.40		UJ	pCi/L	1.40		UJ	pCi/L	1.20		UJ	pCi/L
Technetium-99	6.60		UJ	pCi/L	7.00		UJ	pCi/L	23.50	+/- 11	-	pCi/L
Thorium-227												
Thorium-228	.62		UJ	pCi/L	.24		UJ	pCi/L	.09		UJ	pCi/L
Thorium-230	.93	+/- .78	J	pCi/L	.39		UJ	pCi/L	.38		UJ	pCi/L
Thorium-232	.49		UJ	pCi/L	.07		UJ	pCi/L	.03		UJ	pCi/L
Uranium, Total	.24	+/- .003	J	ug/L	.05		UJ	ug/L	.06	+/- .001	J	ug/L
Uranium-233/234	1.10		UJ	pCi/L	.98		UJ	pCi/L	.44		UJ	pCi/L
Uranium-234												
Uranium-235												
Uranium-235/236	.25		UJ	pCi/L	.77		UJ	pCi/L	.35		UJ	pCi/L
Uranium-238	.85		UJ	pCi/L	.98		UJ	pCi/L	.44		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	2				2				3			
Sample:	4A-022A				4A-027A				4A-031A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.04		UJ	pCi/L	.28		UJ	pCi/L	.50		UJ	pCi/L
Cesium-137	4.20		UJ	pCi/L	4.00		UJ	pCi/L	1.50		UJ	pCi/L
Lead-210	6.40		UJ	pCi/L	4.10		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237					.21		UJ	pCi/L	.80		UJ	pCi/L
Plutonium-238	.08	+/- .067	J	pCi/L	.19		UJ	pCi/L	.90		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.08		UJ	pCi/L	.60		UJ	pCi/L
Plutonium-241												
Polonium-210	.37		UJ	pCi/L	.27		UJ	pCi/L	1.40		UJ	pCi/L
Radium-226	.14		UJ	pCi/L	.45	+/- .34	J	pCi/L	.30		UJ	pCi/L
Radium-228	2.86	+/- 1.5	J	pCi/L	1.80		UJ	pCi/L	1.80		UJ	pCi/L
Strontium-90	1.20		UJ	pCi/L	73.10	+/- 11	J	pCi/L	2.00		UJ	pCi/L
Technetium-99	6.20		UJ	pCi/L	21.00		UJ	pCi/L	12.50		UJ	pCi/L
Thorium-227												
Thorium-228	.17		UJ	pCi/L	.75	+/- .28	J	pCi/L	-.54	+/- .4134	UJ	pCi/L
Thorium-230	.36		UJ	pCi/L	.56	+/- .24	-	pCi/L	-.28	+/- .3607	UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.30	+/- .15	J	pCi/L	-.45	+/- .2754	UJ	pCi/L
Uranium, Total	.21	+/- .003	J	ug/L	5.69	+/- .15	-	ug/L	.20	+/- 0	-	ug/L
Uranium-233/234	2.09	+/- 2.6	J	pCi/L								
Uranium-234					18.00		UJ	pCi/L	2.99	+/- .9286	J	pCi/L
Uranium-235												
Uranium-235/236	.12		UJ	pCi/L	3.80		UJ	pCi/L	.73	+/- .5496	UJ	pCi/L
Uranium-238	4.11	+/- 2.5	J	pCi/L	15.00		UJ	pCi/L	2.23	+/- .7245	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 4C - Plant 4 Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	4C-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.70		UJ	pCi/L
Cesium-137	2.60		UJ	pCi/L
Lead-210	1.70		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	.80		UJ	pCi/L
Plutonium-239/240	.40		UJ	pCi/L
Plutonium-241				
Polonium-210	1.00		UJ	pCi/L
Radium-226	.20	+/- .2	R	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	12.30		UJ	pCi/L
Thorium-227				
Thorium-228	.22	+/- .3804	UJ	pCi/L
Thorium-230	-.03	+/- .3335	UJ	pCi/L
Thorium-232	-.03	+/- .1917	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	.27	+/- .4928	UJ	pCi/L
Uranium-235				
Uranium-235/236	.58	+/- .383	J	pCi/L
Uranium-238	.30	+/- .3349	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				2				2			
Sample:	5A-006				5A-011				5A-014			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/L	.15		UJ	pCi/L	.10		UJ	pCi/L
Cesium-137	7.00		UJ	pCi/L	6.00		UJ	pCi/L	7.40		UJ	pCi/L
Lead-210	100.00		UJ	pCi/L	92.00		UJ	pCi/L	290.00	+/- 100	-	pCi/L
Neptunium-237	.08		UJ	pCi/L	.10		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-238	.06		UJ	pCi/L	.06		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L	.07		UJ	pCi/L	.32	+/- .7	J	pCi/L
Plutonium-241	2.00		UJ	pCi/L					2.00		UJ	pCi/L
Polonium-210	.21		UJ	pCi/L	.17		UJ	pCi/L	.07		UJ	pCi/L
Radium-226	.12		UJ	pCi/L	.23		UJ	pCi/L	.11		UJ	pCi/L
Radium-228	1.60		UJ	pCi/L	2.40	+/- 1.6	J	pCi/L	1.50		UJ	pCi/L
Strontium-90	.76		UJ	pCi/L	.87		UJ	pCi/L	.82		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.08		UJ	pCi/L	.07		UJ	pCi/L	.09		UJ	pCi/L
Thorium-230	.10		UJ	pCi/L	.14		UJ	pCi/L	.11		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L	.05		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.37	+/- .07	-	ug/L	.39		UJ	ug/L	.24		UJ	ug/L
Uranium-233/234												
Uranium-234	.08		UJ	pCi/L	.05	+/- .67	J	pCi/L	.12	+/- .68	J	pCi/L
Uranium-235												
Uranium-235/236	.06		UJ	pCi/L	.06		UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.11		UJ	pCi/L	.06		UJ	pCi/L	.12		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	3				4				6			
Sample:	5A-020				5A-024				5A-032			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/L	.16	+/- 1.3	J	pCi/L	.12		UJ	pCi/L
Cesium-137	6.50		UJ	pCi/L	6.30		UJ	pCi/L	7.10		UJ	pCi/L
Lead-210	89.00		UJ	pCi/L	270.00	+/- 100	-	pCi/L	100.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L	.10		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.07		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241					1.80		UJ	pCi/L	1.90		UJ	pCi/L
Polonium-210	.09		UJ	pCi/L	.09		UJ	pCi/L	.20	+/- 1.1	J	pCi/L
Radium-226	.24		UJ	pCi/L	.09		UJ	pCi/L	.11		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L	1.60		UJ	pCi/L	1.60		UJ	pCi/L
Strontium-90	.98		UJ	pCi/L	.78		UJ	pCi/L	.77		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	12.00		UJ	pCi/L	12.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06		UJ	pCi/L	.09		UJ	pCi/L	.10		UJ	pCi/L
Thorium-230	.23	+/- .57	J	pCi/L	.10		UJ	pCi/L	.12		UJ	pCi/L
Thorium-232	.05		UJ	pCi/L	.06		UJ	pCi/L	.08		UJ	pCi/L
Uranium, Total	.62	+/- .1	-	ug/L	.24		UJ	ug/L	1.20	+/- .2	-	ug/L
Uranium-233/234												
Uranium-234	.08		UJ	pCi/L	.11	+/- .63	J	pCi/L	.20	+/- .64	J	pCi/L
Uranium-235												
Uranium-235/236	.07		UJ	pCi/L	.06		UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.22	+/- .68	J	pCi/L	.18	+/- .64	J	pCi/L	.40	+/- .65	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	7				8				9			
Sample:	5A-037				5A-040				5A-042			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides												
Americium-241	.15		UJ	pCi/L	.08		UJ	pCi/L	.14		UJ	pCi/L
Cesium-137	6.00		UJ	pCi/L	8.00		UJ	pCi/L	5.90		UJ	pCi/L
Lead-210	89.00		UJ	pCi/L	93.00		UJ	pCi/L	87.00		UJ	pCi/L
Neptunium-237	.14	+/- .1	J	pCi/L	.11		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L	.04	+/- .68	J	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.03		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-241					1.90		UJ	pCi/L				
Polonium-210	.12	+/- 1	J	pCi/L	.16	+/- 1	J	pCi/L	.10	+/- .88	J	pCi/L
Radium-226	.21		UJ	pCi/L	.10		UJ	pCi/L	.22		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L	1.60		UJ	pCi/L	2.10		UJ	pCi/L
Strontium-90	.87		UJ	pCi/L	.75		UJ	pCi/L	.95		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L	13.00		UJ	pCi/L	12.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06		UJ	pCi/L	.05		UJ	pCi/L	.08		UJ	pCi/L
Thorium-230	.21	+/- .55	J	pCi/L	.10		UJ	pCi/L	.14		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L	.05		UJ	pCi/L	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L	.24		UJ	ug/L	.39		UJ	ug/L
Uranium-233/234												
Uranium-234	.06		UJ	pCi/L	.16		UJ	pCi/L	.06		UJ	pCi/L
Uranium-235												
Uranium-235/236	.07		UJ	pCi/L	.04		UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.08		UJ	pCi/L	.16		UJ	pCi/L	.06		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	10				10				11			
Sample:	5A-050				5A-051				5A-054			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/L	.13		UJ	pCi/L	.12		UJ	pCi/L
Cesium-137	7.20		UJ	pCi/L	7.30		UJ	pCi/L	6.60		UJ	pCi/L
Lead-210	97.00		UJ	pCi/L	270.00	+/- 99	-	pCi/L	100.00		UJ	pCi/L
Neptunium-237	.08		UJ	pCi/L	.07		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.05		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-239/240	.03	+/- .65	J	pCi/L	.01		UJ	pCi/L	.03	+/- .66	J	pCi/L
Plutonium-241	1.90		UJ	pCi/L	1.90		UJ	pCi/L	1.80		UJ	pCi/L
Polonium-210	.10		UJ	pCi/L	.16		UJ	pCi/L	.15		UJ	pCi/L
Radium-226	.20	+/- .12	J	pCi/L	.09		UJ	pCi/L	.10		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L	1.60		UJ	pCi/L	1.80		UJ	pCi/L
Strontium-90	.88		UJ	pCi/L	.84		UJ	pCi/L	.80		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.09		UJ	pCi/L	.08		UJ	pCi/L	.09		UJ	pCi/L
Thorium-230	74.00	+/- .87	-	pCi/L	.10		UJ	pCi/L	.10		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.99	+/- .2	-	ug/L	1.60	+/- .3	-	ug/L	1.60	+/- .3	-	ug/L
Uranium-233/234												
Uranium-234	.09		UJ	pCi/L	.09		UJ	pCi/L	.19	+/- .64	J	pCi/L
Uranium-235												
Uranium-235/236	.05		UJ	pCi/L	.05		UJ	pCi/L	.06		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L	.17	+/- .66	J	pCi/L	.29	+/- .65	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	12			
Sample:	5A-056			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.16		UJ	pCi/L
Cesium-137	6.60		UJ	pCi/L
Lead-210	98.00		UJ	pCi/L
Neptunium-237	.12	+/- .095	J	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.10		UJ	pCi/L
Radium-226	.18		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L
Strontium-90	1.20	+/- .63	J	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.05		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.06		UJ	pCi/L
Uranium-235				
Uranium-235/236	.06		UJ	pCi/L
Uranium-238	.08		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 5B - Plant 5 Ingot Pickling
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	5B-001				5B-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	4.30		UJ	pCi/L	9.80		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	1.60		UJ	pCi/L
Neptunium-237	-.01	+/- .0559	UJ	pCi/L	-.02	+/- .0577	UJ	pCi/L
Plutonium-238	.02	+/- .2247	UJ	pCi/L	-.04	+/- .2289	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241								
Polonium-210	.50		UJ	pCi/L	.40		UJ	pCi/L
Radium-226	.60		UJ	pCi/L	.60		UJ	pCi/L
Radium-228	2.60		UJ	pCi/L	2.40		UJ	pCi/L
Strontium-90	1.50		UJ	pCi/L	1.40		UJ	pCi/L
Technetium-99	37.80		UJ	pCi/L	33.80		UJ	pCi/L
Thorium-227								
Thorium-228	.16	+/- .32	UJ	pCi/L	.06	+/- .27	UJ	pCi/L
Thorium-230	-.03	+/- .61	UJ	pCi/L	-.69	+/- .68	UJ	pCi/L
Thorium-232	-.07	+/- .21	UJ	pCi/L	-.06	+/- .28	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.20	+/- .02	-	ug/L
Uranium-233/234								
Uranium-234	-.79	+/- .33	UJ	pCi/L	4.48	+/- 1.09	J	pCi/L
Uranium-235	-.22	+/- .18	UJ	pCi/L	2.38	+/- .69	J	pCi/L
Uranium-235/236								
Uranium-238	-.17	+/- .2	UJ	pCi/L	1.07	+/- .47	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 5E - Plant 5 Filter Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	5E-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	4.60		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.07	+/- .0794	UJ	pCi/L
Plutonium-238	.02	+/- .2401	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	2.10		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	34.10		UJ	pCi/L
Thorium-227				
Thorium-228	.27	+/- .26	UJ	pCi/L
Thorium-230	-.47	+/- .6	UJ	pCi/L
Thorium-232	-.03	+/- .22	UJ	pCi/L
Uranium, Total	.30	+/- .03	-	ug/L
Uranium-233/234				
Uranium-234	.05	+/- .4	UJ	pCi/L
Uranium-235	.07	+/- .23	UJ	pCi/L
Uranium-235/236				
Uranium-238	.20	+/- .26	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 5G - Plant 5 Ingot Storage Shelter
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	5G-004				5G-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	1.60	+/- 1.5	J	pCi/L	1.20		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.04	+/- .0818	UJ	pCi/L	.00	+/- .0367	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-241								
Polonium-210	.60		UJ	pCi/L	1.30		UJ	pCi/L
Radium-226	.30		UJ	pCi/L	.70		UJ	pCi/L
Radium-228	1.60	+/- 1.4	J	pCi/L	1.40	+/- 1.5	J	pCi/L
Strontium-90	1.40		UJ	pCi/L	2.10		UJ	pCi/L
Technetium-99	24.90		UJ	pCi/L	24.00		UJ	pCi/L
Thorium-227								
Thorium-228	.69	+/- .76	UJ	pCi/L	.33	+/- .67	UJ	pCi/L
Thorium-230	.54	+/- 1.07	UJ	pCi/L	1.66	+/- 1.09	J	pCi/L
Thorium-232	.28	+/- .67	UJ	pCi/L	.17	+/- .58	UJ	pCi/L
Uranium, Total	.10	+/- .01	J	ug/L	.80	+/- .1	J	ug/L
Uranium-233/234								
Uranium-234	.40		UJ	pCi/L	.30		UJ	pCi/L
Uranium-235								
Uranium-235/236	.20		UJ	pCi/L	.20		UJ	pCi/L
Uranium-238	.20		UJ	pCi/L	.20		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				1			
Sample:	6A-004				6A-008				6A-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.25		UJ	pCi/L	.14	+/- 1.1	UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	6.10		UJ	pCi/L	7.70	+/- 4.1	UJ	pCi/L	7.30		UJ	pCi/L
Lead-210	200.00	+/- 75	J	pCi/L	100.00	+/- 96	UJ	pCi/L	310.00	+/- 110	-	pCi/L
Neptunium-237	.17		UJ	pCi/L	.12	+/- .1	UJ	pCi/L	.21		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.05	+/- .47	UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.09		UJ	pCi/L	.06	+/- .47	UJ	pCi/L	.05		UJ	pCi/L
Plutonium-241												
Polonium-210	.11		UJ	pCi/L	.17	+/- .91	UJ	pCi/L	.14		UJ	pCi/L
Radium-226	.09		UJ	pCi/L	.12	+/- .075	UJ	pCi/L	.10		UJ	pCi/L
Radium-228	1.60		UJ	pCi/L	1.70	+/- 1	UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	.87		UJ	pCi/L	.97	+/- .56	J	pCi/L	.87		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	5.10	+/- 2.4	J	pCi/L	.08	+/- .63	UJ	pCi/L	.08		UJ	pCi/L
Thorium-230	.34		UJ	pCi/L	.15	+/- .64	UJ	pCi/L	.14	+/- .58	J	pCi/L
Thorium-232	.08		UJ	pCi/L	.07	+/- .63	UJ	pCi/L	.05		UJ	pCi/L
Uranium, Total	.27		UJ	ug/L	.59	+/- .08	J	ug/L	2.10	+/- .4	-	ug/L
Uranium-233/234												
Uranium-234	.10		UJ	pCi/L	.31	+/- .68	J	pCi/L	.17		UJ	pCi/L
Uranium-235												
Uranium-235/236	.04		UJ	pCi/L	.08	+/- .83	UJ	pCi/L	.08		UJ	pCi/L
Uranium-238	.09	+/- .56	J	pCi/L	.29	+/- .68	J	pCi/L	.25	+/- .61	J	pCi/L

001115

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	2				3				4			
Sample:	6A-020				6A-023				6A-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- 1.1	UJ	pCi/L	.14		UJ	pCi/L	.25		UJ	pCi/L
Cesium-137	7.20	+/- 4.2	UJ	pCi/L	7.00		UJ	pCi/L	6.70		UJ	pCi/L
Lead-210	100.00	+/- 100	UJ	pCi/L	310.00	+/- 110	-	pCi/L	94.00		UJ	pCi/L
Neptunium-237	.12	+/- .1	UJ	pCi/L	.21		UJ	pCi/L	.17		UJ	pCi/L
Plutonium-238	.07	+/- .5	UJ	pCi/L	.01	+/- .53	J	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.06	+/- .5	UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241					-39.00	+/- 5.2	UJ	pCi/L				
Polonium-210	.15	+/- .94	UJ	pCi/L	.16		UJ	pCi/L	.13		UJ	pCi/L
Radium-226	.12	+/- .082	UJ	pCi/L	.12		UJ	pCi/L	.10		UJ	pCi/L
Radium-228	1.70	+/- 1	UJ	pCi/L	1.60		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	.74	+/- .47	UJ	pCi/L	.92		UJ	pCi/L	1.00		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.09	+/- .67	UJ	pCi/L	.09		UJ	pCi/L	3.30	+/- 2.2	J	pCi/L
Thorium-230	.16	+/- .68	UJ	pCi/L	.22	+/- .71	J	pCi/L	.33		UJ	pCi/L
Thorium-232	.05	+/- .67	UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Uranium, Total	.38	+/- .08	UJ	ug/L	.42	+/- .08	-	ug/L	.61	+/- .07	-	ug/L
Uranium-233/234												
Uranium-234	.10	+/- .65	UJ	pCi/L	.18		UJ	pCi/L	.11		UJ	pCi/L
Uranium-235												
Uranium-235/236	.07	+/- .8	UJ	pCi/L	.09		UJ	pCi/L	.07		UJ	pCi/L
Uranium-238	.07	+/- .65	UJ	pCi/L	.14		UJ	pCi/L	.19	+/- .67	J	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Radionuclides

	Material:	DI WATER		
	Qa Type:	FIELD BLANK		
	Process Area:	7		
	Sample:	6A-039		
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.25		UJ	pCi/L
Cesium-137	6.30		UJ	pCi/L
Lead-210	82.00		UJ	pCi/L
Neptunium-237	.18		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.22		UJ	pCi/L
Radium-226	.08		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	.95		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	7.10	+/- 2.7	J	pCi/L
Thorium-230	.36		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L
Uranium, Total	.27		UJ	ug/L
Uranium-233/234				
Uranium-234	.16		UJ	pCi/L
Uranium-235				
Uranium-235/236	.10		UJ	pCi/L
Uranium-238	.10		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage Area
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	6B-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	14.20		R	pCi/L
Cesium-137	2.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	1.00		UJ	pCi/L
Plutonium-239/240	.70		UJ	pCi/L
Plutonium-241				
Polonium-210	2.20		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	2.20		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	-.14	+/- .5451	UJ	pCi/L
Thorium-230	-.48	+/- .5238	UJ	pCi/L
Thorium-232	.18	+/- .4997	UJ	pCi/L
Uranium, Total	.20	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	-.42	+/- .3268	UJ	pCi/L
Uranium-235				
Uranium-235/236	-.20	+/- .1624	UJ	pCi/L
Uranium-238	-.07	+/- .1651	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6C - Plant 6 Electrostatic Precipitator (South)
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	6C-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		UJ	pCi/L
Cesium-137	2.10		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239/240	.70		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.20	+/- .2	R	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.90	+/- 2.6	J	pCi/L
Technetium-99	12.70		UJ	pCi/L
Thorium-227				
Thorium-228	-.50	+/- .3992	UJ	pCi/L
Thorium-230	-.12	+/- .3386	UJ	pCi/L
Thorium-232	-.08	+/- .2004	UJ	pCi/L
Uranium, Total	.80	+/- .1	-	ug/L
Uranium-233/234				
Uranium-234	.24	+/- .4195	UJ	pCi/L
Uranium-235				
Uranium-235/236	.14	+/- .2509	UJ	pCi/L
Uranium-238	.20	+/- .2453	UJ	pCi/L

001149

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Precipitator (Central)
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	6D-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	10.80		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.07	+/- .092	UJ	pCi/L
Plutonium-238	-.12	+/- .2366	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	2.00		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	36.90		UJ	pCi/L
Thorium-227				
Thorium-228	.55	+/- .38	J	pCi/L
Thorium-230	-.71	+/- .63	UJ	pCi/L
Thorium-232	-.10	+/- .29	UJ	pCi/L
Uranium, Total	.20	+/- .02	-	ug/L
Uranium-233/234				
Uranium-234	3.00	+/- .77	J	pCi/L
Uranium-235	1.20	+/- .45	J	pCi/L
Uranium-235/236				
Uranium-238	.92	+/- .39	J	pCi/L

0212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	6F-007				6F-011			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	10.30		UJ	pCi/L	1.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.00	+/- .14	UJ	pCi/L	.00	+/- .0501	UJ	pCi/L
Plutonium-238	.11	+/- .22	UJ	pCi/L	.30		UJ	pCi/L
Plutonium-239/240	.03	+/- .07	UJ	pCi/L	.10		UJ	pCi/L
Plutonium-241								
Polonium-210	.90		UJ	pCi/L	.40		UJ	pCi/L
Radium-226	.40		UJ	pCi/L	.30		UJ	pCi/L
Radium-228	3.40	+/- 2.9	J	pCi/L	1.60		UJ	pCi/L
Strontium-90	2.10		UJ	pCi/L	2.00		UJ	pCi/L
Technetium-99	24.60		UJ	pCi/L	28.90	+/- 22.2	J	pCi/L
Thorium-227								
Thorium-228	-.17	+/- .33	UJ	pCi/L	.45	+/- .59	UJ	pCi/L
Thorium-230	.03	+/- .53	UJ	pCi/L	.73	+/- .98	UJ	pCi/L
Thorium-232	-.13	+/- .2	UJ	pCi/L	.01	+/- .53	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.40	+/- .04	J	ug/L
Uranium-233/234								
Uranium-234	-.16	+/- .22	UJ	pCi/L	.30		UJ	pCi/L
Uranium-235	-.02	+/- .14	UJ	pCi/L				
Uranium-235/236					.10		UJ	pCi/L
Uranium-238	.05	+/- .16	UJ	pCi/L	.50	+/- .2	-	pCi/L

001121

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				3			
Sample:	8A-006A				8A-013A				8A-021A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- 1.1	UJ	pCi/L	.14		UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	7.60	+/- 4.9	UJ	pCi/L	7.60		UJ	pCi/L	7.60		UJ	pCi/L
Lead-210	110.00	+/- 110	UJ	pCi/L	280.00	+/- 99	-	pCi/L	290.00	+/- 110	-	pCi/L
Neptunium-237	.12	+/- .11	UJ	pCi/L	.20		UJ	pCi/L	.21		UJ	pCi/L
Plutonium-238	.04	+/- .48	UJ	pCi/L	.04		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.08	+/- .48	UJ	pCi/L	.07		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241												
Polonium-210	.16	+/- .98	UJ	pCi/L	.16		UJ	pCi/L	.11		UJ	pCi/L
Radium-226	.13	+/- .093	UJ	pCi/L	.10		UJ	pCi/L	.11		UJ	pCi/L
Radium-228	1.70	+/- 1	UJ	pCi/L	1.90		UJ	pCi/L	1.80		UJ	pCi/L
Strontium-90	.86	+/- .54	UJ	pCi/L	1.00		UJ	pCi/L	.89		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06	+/- .59	UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Thorium-230	.14	+/- .6	UJ	pCi/L	.30	+/- .54	J	pCi/L	.30	+/- .57	J	pCi/L
Thorium-232	.05	+/- .59	UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.39	+/- .08	J	ug/L	.51	+/- .08	-	ug/L	.53	+/- .08	-	ug/L
Uranium-233/234												
Uranium-234	.73	+/- .68	J	pCi/L	.18		UJ	pCi/L	.17		UJ	pCi/L
Uranium-235												
Uranium-235/236	.14	+/- .81	J	pCi/L	.09		UJ	pCi/L	.09		UJ	pCi/L
Uranium-238	.82	+/- .68	J	pCi/L	.15		UJ	pCi/L	.14		UJ	pCi/L

00122

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	4				4				5			
Sample:	8A-024A				8A-025A				8A-033			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/L	.14		UJ	pCi/L	.14		UJ	pCi/L
Cesium-137	7.20		UJ	pCi/L	6.70		UJ	pCi/L	7.60		UJ	pCi/L
Lead-210	100.00		UJ	pCi/L	100.00		UJ	pCi/L	120.00		UJ	pCi/L
Neptunium-237	.21		UJ	pCi/L	.13		UJ	pCi/L	.21		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L	.06		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241									.63	+/- 3.6	UJ	pCi/L
Polonium-210	.15		UJ	pCi/L	.20		UJ	pCi/L	.18		UJ	pCi/L
Radium-226	.11		UJ	pCi/L	.12		UJ	pCi/L	.12		UJ	pCi/L
Radium-228	1.40		UJ	pCi/L	1.70		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	.94		UJ	pCi/L	1.00		UJ	pCi/L	.96		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06		UJ	pCi/L	.06		UJ	pCi/L	.07		UJ	pCi/L
Thorium-230	.20	+/- .54	J	pCi/L	.15		UJ	pCi/L	.13	+/- .58	J	pCi/L
Thorium-232	.05		UJ	pCi/L	.05		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	18000.00	+/- 4000	-	ug/L	.38		UJ	ug/L	.41		UJ	ug/L
Uranium-233/234												
Uranium-234	420.00	+/- 320	J	pCi/L	.27	+/- .72	J	pCi/L	.17		UJ	pCi/L
Uranium-235												
Uranium-235/236	46.00	+/- 370	J	pCi/L	.08		UJ	pCi/L	.08		UJ	pCi/L
Uranium-238	370.00	+/- 320	J	pCi/L	.20	+/- .72	J	pCi/L	.15		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	6				7				1			
Sample:	8A-037A				8A-045A				8A-052A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- 1	UJ	pCi/L	.12	+/- .97	UJ	pCi/L	.14	+/- 1.1	UJ	pCi/L
Cesium-137	7.90	+/- 4.3	UJ	pCi/L	7.60	+/- 4.2	UJ	pCi/L	7.50	+/- 4.3	UJ	pCi/L
Lead-210	110.00	+/- 130	UJ	pCi/L	100.00	+/- 120	UJ	pCi/L	97.00	+/- 120	UJ	pCi/L
Neptunium-237	.12	+/- .1	UJ	pCi/L	.11	+/- .074	UJ	pCi/L	.12	+/- .11	UJ	pCi/L
Plutonium-238	.04	+/- .46	UJ	pCi/L	.05	+/- .49	UJ	pCi/L	.04	+/- .48	UJ	pCi/L
Plutonium-239/240	.06	+/- .46	UJ	pCi/L	.07	+/- .49	UJ	pCi/L	.07	+/- .48	UJ	pCi/L
Plutonium-241												
Polonium-210	.14	+/- .97	UJ	pCi/L	.18	+/- .94	UJ	pCi/L	.25	+/- 1.1	UJ	pCi/L
Radium-226	.12	+/- .07	UJ	pCi/L	.12	+/- .075	UJ	pCi/L	.11	+/- .087	UJ	pCi/L
Radium-228	1.50	+/- .98	UJ	pCi/L	1.70	+/- 1	UJ	pCi/L	1.60	+/- 1	UJ	pCi/L
Strontium-90	1.00	+/- .58	UJ	pCi/L	.80	+/- .52	UJ	pCi/L	.87	+/- .47	UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06	+/- .53	UJ	pCi/L	.08	+/- .6	UJ	pCi/L	.05	+/- .6	UJ	pCi/L
Thorium-230	.13	+/- .54	UJ	pCi/L	.14	+/- .61	UJ	pCi/L	.13	+/- .61	UJ	pCi/L
Thorium-232	.05	+/- .53	UJ	pCi/L	.06	+/- .6	UJ	pCi/L	.06	+/- .59	UJ	pCi/L
Uranium, Total	.59	+/- .08	J	ug/L	1.10	+/- .2	J	ug/L	.38	+/- .08	UJ	ug/L
Uranium-233/234												
Uranium-234	.10	+/- .74	UJ	pCi/L	.10	+/- .7	UJ	pCi/L	.21	+/- .67	J	pCi/L
Uranium-235												
Uranium-235/236	.08	+/- .92	UJ	pCi/L	.07	+/- .86	UJ	pCi/L	.06	+/- .82	UJ	pCi/L
Uranium-238	.09	+/- .74	UJ	pCi/L	.09	+/- .7	UJ	pCi/L	.12	+/- .67	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	9				10				11			
Sample:	8A-056A				8A-063A				8A-067A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.25		UJ	pCi/L	.13		UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	41.00		UJ	pCi/L	6.90		UJ	pCi/L	7.60		UJ	pCi/L
Lead-210	1200.00	+/- 440	J	pCi/L	110.00		UJ	pCi/L	300.00	+/- 100	-	pCi/L
Neptunium-237	.17		UJ	pCi/L	.20		UJ	pCi/L	.02		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L	.05		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241												
Polonium-210	.18		UJ	pCi/L	.18		UJ	pCi/L	.17		UJ	pCi/L
Radium-226	.09		UJ	pCi/L	.11		UJ	pCi/L	.21	+/- .11	J	pCi/L
Radium-228	1.40		UJ	pCi/L	1.60		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90					.95		UJ	pCi/L	.81		UJ	pCi/L
Technetium-99					13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	4.20	+/- 2.3	J	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Thorium-230	.34		UJ	pCi/L	.18	+/- .53	J	pCi/L	.15	+/- .58	J	pCi/L
Thorium-232	.08		UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Uranium, Total	.37	+/- .05	-	ug/L	.50	+/- .08	-	ug/L	.47	+/- .08	-	ug/L
Uranium-233/234												
Uranium-234	.11		UJ	pCi/L	.18		UJ	pCi/L	.17		UJ	pCi/L
Uranium-235												
Uranium-235/236	.05		UJ	pCi/L	.09		UJ	pCi/L	.09		UJ	pCi/L
Uranium-238	.12	+/- .6	J	pCi/L	.15		UJ	pCi/L	.14		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				RINSATE				FIELD BLANK			
Process Area:	11				12				12			
Sample:	8A-070A				8A-076				8A-079A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- 1.1	UJ	pCi/L	.14	+/- 1	UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	7.20	+/- 4.5	UJ	pCi/L	6.70	+/- 4.3	UJ	pCi/L	8.00		UJ	pCi/L
Lead-210	97.00	+/- 100	UJ	pCi/L	270.00	+/- 92	-	pCi/L	100.00		UJ	pCi/L
Neptunium-237	.32	+/- .14	J	pCi/L	.11	+/- .1	UJ	pCi/L	.19		UJ	pCi/L
Plutonium-238	.06	+/- .46	UJ	pCi/L	.04	+/- .48	UJ	pCi/L	.05		UJ	pCi/L
Plutonium-239/240	.06	+/- .47	UJ	pCi/L	.07	+/- .48	UJ	pCi/L	.06		UJ	pCi/L
Plutonium-241												
Polonium-210	.16	+/- .95	UJ	pCi/L	.18	+/- .98	UJ	pCi/L	.18		UJ	pCi/L
Radium-226	.11	+/- .083	UJ	pCi/L	.11	+/- .078	UJ	pCi/L	.12		UJ	pCi/L
Radium-228	1.70	+/- 1	UJ	pCi/L	1.70	+/- 1.1	UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	1.00	+/- .61	UJ	pCi/L	1.00	+/- .67	UJ	pCi/L	.87		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.07	+/- .55	UJ	pCi/L	.07	+/- .66	UJ	pCi/L	.09		UJ	pCi/L
Thorium-230	.17	+/- .57	J	pCi/L	.15	+/- .68	UJ	pCi/L	.34	+/- .59	J	pCi/L
Thorium-232	.06	+/- .55	UJ	pCi/L	.08	+/- .66	UJ	pCi/L	.07		UJ	pCi/L
Uranium, Total	6.00	+/- 1	J	ug/L	.47	+/- .08	J	ug/L	1.10	+/- .2	-	ug/L
Uranium-233/234												
Uranium-234	.12	+/- .93	UJ	pCi/L	.08	+/- .69	UJ	pCi/L	.19		UJ	pCi/L
Uranium-235												
Uranium-235/236	.07	+/- 1.2	UJ	pCi/L	.07	+/- .85	UJ	pCi/L	.10		UJ	pCi/L
Uranium-238	.10	+/- .93	UJ	pCi/L	.08	+/- .69	UJ	pCi/L	.15		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	13				14				16			
Sample:	8A-089				8A-093A				8A-102A			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14	+/- 1.1	UJ	pCi/L	.13		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	7.80	+/- 5	UJ	pCi/L	7.40		UJ	pCi/L	1.10		UJ	pCi/L
Lead-210	100.00	+/- 110	UJ	pCi/L	110.00		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.12	+/- .1	UJ	pCi/L	.21		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-238	.04	+/- .47	UJ	pCi/L	.04		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-239/240	.07	+/- .48	UJ	pCi/L	.06		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-241												
Polonium-210	.20	+/- 1.1	UJ	pCi/L	.21		UJ	pCi/L	.50		UJ	pCi/L
Radium-226	.11	+/- .073	UJ	pCi/L	.13		UJ	pCi/L	.50		UJ	pCi/L
Radium-228	1.50	+/- .89	UJ	pCi/L	1.60		UJ	pCi/L	2.90		UJ	pCi/L
Strontium-90	.89	+/- .53	UJ	pCi/L	1.00		UJ	pCi/L	1.30		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	36.00		UJ	pCi/L
Thorium-227												
Thorium-228	.09	+/- .58	J	pCi/L	.07		UJ	pCi/L	.80		R	pCi/L
Thorium-230	.14	+/- .59	UJ	pCi/L	.31	+/- .6	J	pCi/L	1.11	+/- .53	R	pCi/L
Thorium-232	.05	+/- .58	UJ	pCi/L	.06		UJ	pCi/L	.29		R	pCi/L
Uranium, Total	1.90	+/- .4	J	ug/L	.54	+/- .08	-	ug/L	.10		UJ	ug/L
Uranium-233/234												
Uranium-234	.25	+/- .7	J	pCi/L	.18		UJ	pCi/L	.98	+/- .88	R	pCi/L
Uranium-235												
Uranium-235/236	.08	+/- .85	UJ	pCi/L	.08		UJ	pCi/L	-.07	+/- .63	R	pCi/L
Uranium-238	.19	+/- .69	J	pCi/L	.14		UJ	pCi/L	.32	+/- .69	R	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 8B - Plant 8 Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	8B-005				8B-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	5.50		R	pCi/L	2.00		R	pCi/L
Cesium-137	1.30		UJ	pCi/L	1.20		UJ	pCi/L
Lead-210	1.10		UJ	pCi/L	1.10		UJ	pCi/L
Neptunium-237	.40		R	pCi/L	.40		R	pCi/L
Plutonium-238	1.90		R	pCi/L	1.00		R	pCi/L
Plutonium-239/240	1.00		R	pCi/L	.60		R	pCi/L
Plutonium-241			R	pCi/L			R	pCi/L
Polonium-210	9.50		R	pCi/L	15.70	+/- -29.5	R	pCi/L
Radium-226	.20		UJ	pCi/L	.20		UJ	pCi/L
Radium-228	1.20		UJ	pCi/L	1.00	+/- 1.3	R	pCi/L
Strontium-90	2.00	+/- 2.1	R	pCi/L	2.00		UJ	pCi/L
Technetium-99	76.00		UJ	pCi/L	36.70		UJ	pCi/L
Thorium-227								
Thorium-228	4.00		R	pCi/L	2.50		R	pCi/L
Thorium-230	2.60		R	pCi/L	1.50		R	pCi/L
Thorium-232	3.10		R	pCi/L	1.60		R	pCi/L
Uranium, Total	.10	+/- 0	UJ	ug/L	.10	+/- 0	-	ug/L
Uranium-233/234								
Uranium-234	.80		R	pCi/L	.30		R	pCi/L
Uranium-235								
Uranium-235/236	.60		R	pCi/L	.20		R	pCi/L
Uranium-238	.60		R	pCi/L	.20		R	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8C - Rotary Kiln/Drum Reconditioning
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	1				2			
Sample:	8C-004				8C-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.10		UJ	pCi/L
Cesium-137	6.00		UJ	pCi/L	4.60		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-239/240	.20		J	pCi/L	.10		UJ	pCi/L
Plutonium-241								
Polonium-210	.60		UJ	pCi/L	.60		UJ	pCi/L
Radium-226	.40		UJ	pCi/L	.50	+/- .8	J	pCi/L
Radium-228	2.40		UJ	pCi/L	2.40		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L	1.70		UJ	pCi/L
Technetium-99	25.00		UJ	pCi/L	24.30		UJ	pCi/L
Thorium-227								
Thorium-228	.11	+/- .27	UJ	pCi/L	-.05	+/- .32	UJ	pCi/L
Thorium-230	-.12	+/- .55	UJ	pCi/L	-.19	+/- .56	UJ	pCi/L
Thorium-232	-.03	+/- .21	UJ	pCi/L	.01	+/- .23	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.10		UJ	ug/L
Uranium-233/234								
Uranium-234	-.15	+/- .24	UJ	pCi/L	-.25	+/- .21	UJ	pCi/L
Uranium-235	-.05	+/- .14	UJ	pCi/L	-.03	+/- .11	UJ	pCi/L
Uranium-235/236								
Uranium-238	-.03	+/- .14	UJ	pCi/L	.04	+/- .12	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 8F - Plant 8 Old Drum Washer
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	8F-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.01	+/- .0464	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10	+/- .1	J	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	2.10		UJ	pCi/L
Technetium-99	25.00		UJ	pCi/L
Thorium-227				
Thorium-228	.72	+/- .72	UJ	pCi/L
Thorium-230	2.32	+/- 1.25	J	pCi/L
Thorium-232	.28	+/- .6	UJ	pCi/L
Uranium, Total	8.00	+/- .8	J	ug/L
Uranium-233/234				
Uranium-234	3.80	+/- .8	-	pCi/L
Uranium-235				
Uranium-235/236	.40	+/- .3	J	pCi/L
Uranium-238	11.70	+/- 1.9	-	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				3			
Sample:	9A-008				9A-013				9A-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.12	+/- 1.1	J	pCi/L	.07		UJ	pCi/L	.10		UJ	pCi/L
Cesium-137	6.20		UJ	pCi/L	7.60		UJ	pCi/L	7.90		UJ	pCi/L
Lead-210	96.00		UJ	pCi/L	320.00	+/- 100	-	pCi/L	310.00	+/- 100	-	pCi/L
Neptunium-237	.07		UJ	pCi/L	.11		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.01		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-239/240	.02	+/- .63	J	pCi/L	.03		UJ	pCi/L	.05		UJ	pCi/L
Plutonium-241	1.90		UJ	pCi/L	2.10		UJ	pCi/L	1.80		UJ	pCi/L
Polonium-210	.05	+/- 1.3	J	pCi/L	.09	+/- .91	J	pCi/L	.16		UJ	pCi/L
Radium-226	.10		UJ	pCi/L	.11		UJ	pCi/L	.10		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L	1.50		UJ	pCi/L	1.60		UJ	pCi/L
Strontium-90	.92		UJ	pCi/L	.71		UJ	pCi/L	.85		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.09		UJ	pCi/L	.05		UJ	pCi/L	.10		UJ	pCi/L
Thorium-230	.11		UJ	pCi/L	.10		UJ	pCi/L	.12		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.03		UJ	pCi/L	.08		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L	.30	+/- .06	-	ug/L	.24		UJ	ug/L
Uranium-233/234												
Uranium-234	.11		UJ	pCi/L	.18		UJ	pCi/L	.10	+/- .71	J	pCi/L
Uranium-235												
Uranium-235/236	.05		UJ	pCi/L	.05		UJ	pCi/L	.08		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L	.18		UJ	pCi/L	.21	+/- .72	J	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	4				5				5			
Sample:	9A-027				9A-034				9A-036			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.10		UJ	pCi/L	.16		UJ	pCi/L	.22	+/- 1.1	J	pCi/L
Cesium-137	7.00		UJ	pCi/L	5.50		UJ	pCi/L	8.10		UJ	pCi/L
Lead-210	240.00	+/- 99	-	pCi/L	92.00		UJ	pCi/L	97.00		UJ	pCi/L
Neptunium-237	.06		UJ	pCi/L	.11		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L	.06		UJ	pCi/L	.03		UJ	pCi/L
Plutonium-239/240	.04		UJ	pCi/L	.07		UJ	pCi/L	.02	+/- .66	J	pCi/L
Plutonium-241	1.80		UJ	pCi/L					1.90		UJ	pCi/L
Polonium-210	.15		UJ	pCi/L	.15		UJ	pCi/L	.28	+/- 1.2	J	pCi/L
Radium-226	.10		UJ	pCi/L	.22		UJ	pCi/L	.09		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L	2.00		UJ	pCi/L	1.60		UJ	pCi/L
Strontium-90	.75		UJ	pCi/L	.14		UJ	pCi/L	.75		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.10		UJ	pCi/L	.08		UJ	pCi/L	.08		UJ	pCi/L
Thorium-230	.10		UJ	pCi/L	.14		UJ	pCi/L	.11		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.04		UJ	pCi/L	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L	.39		UJ	ug/L	2.00	+/- .4	-	ug/L
Uranium-233/234												
Uranium-234	.09		UJ	pCi/L	.07		UJ	pCi/L	.27	+/- .65	J	pCi/L
Uranium-235												
Uranium-235/236	.06		UJ	pCi/L	.07		UJ	pCi/L	.06		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L	.07		UJ	pCi/L	.33	+/- .66	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	6				6			
Sample:	9A-040				9A-046			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.15		UJ	pCi/L	.15		UJ	pCi/L
Cesium-137	6.60		UJ	pCi/L	6.50		UJ	pCi/L
Lead-210	93.00		UJ	pCi/L	88.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.11	+/- .099	J	pCi/L
Plutonium-238	.04		UJ	pCi/L	.03		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-241								
Polonium-210	.15		UJ	pCi/L	.08		UJ	pCi/L
Radium-226	.21		UJ	pCi/L	.27		UJ	pCi/L
Radium-228	1.60		UJ	pCi/L	1.90		UJ	pCi/L
Strontium-90	.95		UJ	pCi/L	.90		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227								
Thorium-228	.07		UJ	pCi/L	.10		UJ	pCi/L
Thorium-230	.13		UJ	pCi/L	.15		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L	.03		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L	.39		UJ	ug/L
Uranium-233/234								
Uranium-234	.05		UJ	pCi/L	.07		UJ	pCi/L
Uranium-235								
Uranium-235/236	.06		UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.07		UJ	pCi/L	.07		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Facility
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	9B-013			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14		UJ	pCi/L
Cesium-137	7.20		UJ	pCi/L
Lead-210	100.00		UJ	pCi/L
Neptunium-237	.13		UJ	pCi/L
Plutonium-238	.06		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.21		UJ	pCi/L
Radium-226				
Radium-228				
Strontium-90				
Technetium-99				
Thorium-227				
Thorium-228	.09		UJ	pCi/L
Thorium-230	.15		UJ	pCi/L
Thorium-232	.05		UJ	pCi/L
Uranium, Total	3.30	+/- .6	J	ug/L
Uranium-233/234				
Uranium-234	7.00	+/- 1.3	-	pCi/L
Uranium-235				
Uranium-235/236	.99	+/- .86	J	pCi/L
Uranium-238	5.00	+/- 1.1	-	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 9C - Plant 9 Dust Collector
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	9C-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.20		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.05	+/- .1062	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.40		UJ	pCi/L
Radium-226	.70		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	25.90	+/- 21.7	J	pCi/L
Thorium-227				
Thorium-228	-.78	+/- 1.87	R	pCi/L
Thorium-230	5.54	+/- 2.61	R	pCi/L
Thorium-232	8.55	+/- 3.23	R	pCi/L
Uranium, Total	.30	+/- .03	J	ug/L
Uranium-233/234				
Uranium-234	.30		UJ	pCi/L
Uranium-235				
Uranium-235/236	.10		UJ	pCi/L
Uranium-238	.30	+/- .2	J	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 9E - Plant 9 Cylinder Shed
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	9E-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	10.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.02		-	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.50		J	pCi/L
Radium-228	3.80		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	27.30		UJ	pCi/L
Thorium-227				
Thorium-228	-.01	+/- .33	UJ	pCi/L
Thorium-230	-.33	+/- .55	UJ	pCi/L
Thorium-232	-.01	+/- .28	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.21	+/- .19	UJ	pCi/L
Uranium-235	-.01	+/- .09	UJ	pCi/L
Uranium-235/236				
Uranium-238	.06	+/- .11	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9F - Electrostatic Precipitator
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	9F-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.07	+/- .0749	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.30		UJ	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	24.70		UJ	pCi/L
Thorium-227				
Thorium-228	.49	+/- .48	UJ	pCi/L
Thorium-230	.77	+/- .86	UJ	pCi/L
Thorium-232	.05	+/- .48	UJ	pCi/L
Uranium, Total	1.80	+/- .2	J	ug/L
Uranium-233/234				
Uranium-234	1.20	+/- .4	J	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	1.00	+/- .3	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 10A - Boiler Plant
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	10A-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	10.30		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.20		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	2.20		UJ	pCi/L
Strontium-90	1.60	+/- 2	J	pCi/L
Technetium-99	35.20		UJ	pCi/L
Thorium-227				
Thorium-228				
Thorium-230				
Thorium-232				
Uranium, Total	.30	+/- .03	-	ug/L
Uranium-233/234				
Uranium-234				
Uranium-235				
Uranium-235/236				
Uranium-238				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 10B - Boiler Plant Maintenance Bldg.
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	10B-003				10B-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.50		UJ	pCi/L	.50		UJ	pCi/L
Cesium-137	2.80	+/- 2.1	J	pCi/L	2.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.30		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L	.90		UJ	pCi/L
Plutonium-239/240	.40		UJ	pCi/L	.50		UJ	pCi/L
Plutonium-241								
Polonium-210	1.80		UJ	pCi/L	2.60		UJ	pCi/L
Radium-226	.20		UJ	pCi/L	.20		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L	3.70	+/- 1.7	-	pCi/L
Strontium-90	2.70	+/- 2.8	R	pCi/L	2.00		UJ	pCi/L
Technetium-99	12.70		UJ	pCi/L	13.10		UJ	pCi/L
Thorium-227								
Thorium-228	.00	+/- .3683	UJ	pCi/L	-.06	+/- .3479	UJ	pCi/L
Thorium-230	.01	+/- .3118	UJ	pCi/L	-.18	+/- .2656	UJ	pCi/L
Thorium-232	-.15	+/- .1616	UJ	pCi/L	.19	+/- .2273	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L	.10		UJ	ug/L
Uranium-233/234								
Uranium-234	-.55	+/- .2959	UJ	pCi/L	.03	+/- .3824	UJ	pCi/L
Uranium-235								
Uranium-235/236	-.08	+/- .1525	UJ	pCi/L	.12	+/- .2053	UJ	pCi/L
Uranium-238	.03	+/- .1778	UJ	pCi/L	.22	+/- .2288	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	10D-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	8.70		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	-.05	+/- .0896	UJ	pCi/L
Plutonium-238	-.08	+/- .2404	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.40		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	2.20		UJ	pCi/L
Strontium-90	1.40		UJ	pCi/L
Technetium-99	41.40		UJ	pCi/L
Thorium-227				
Thorium-228	.29	+/- .4	UJ	pCi/L
Thorium-230	-.25	+/- .66	UJ	pCi/L
Thorium-232	-.14	+/- .26	UJ	pCi/L
Uranium, Total	.40	+/- .03	-	ug/L
Uranium-233/234				
Uranium-234	-.15	+/- .36	UJ	pCi/L
Uranium-235	.11	+/- .23	UJ	pCi/L
Uranium-235/236				
Uranium-238	.12	+/- .23	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				2			
Sample:	11-003				11-010				11-015			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.93		UJ	pCi/L	.82		UJ	pCi/L	.62		UJ	pCi/L
Cesium-137	3.64		UJ	pCi/L	6.60		UJ	pCi/L	3.33		UJ	pCi/L
Lead-210	2.55		UJ	pCi/L	2.93		UJ	pCi/L	2.99		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L	.20		UJ	pCi/L	.09		UJ	pCi/L
Plutonium-238	.27		UJ	pCi/L	.32		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.28		UJ	pCi/L	.34		UJ	pCi/L	.03		UJ	pCi/L
Plutonium-241												
Polonium-210	.65		UJ	pCi/L	.41		UJ	pCi/L	.60		UJ	pCi/L
Radium-226	.38		UJ	pCi/L	.26		UJ	pCi/L	.29		UJ	pCi/L
Radium-228	.89		UJ	pCi/L	3.37	+/- 1.42	-	pCi/L	1.53		UJ	pCi/L
Strontium-90	.52		UJ	pCi/L	.47		UJ	pCi/L	.51		UJ	pCi/L
Technetium-99	12.50		UJ	pCi/L	12.60		UJ	pCi/L	12.40		UJ	pCi/L
Thorium-227												
Thorium-228	.31		UJ	pCi/L	.33		UJ	pCi/L	.19		UJ	pCi/L
Thorium-230	.34		UJ	pCi/L	1.37	+/- .449	J	pCi/L	.32		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L	.58	+/- .209	-	pCi/L	.14		UJ	pCi/L
Uranium, Total	2.16	+/- .117	-	ug/L	.34	+/- .0187	-	ug/L	.35	+/- .0195	UJ	ug/L
Uranium-233/234												
Uranium-234	.38		UJ	pCi/L	.37		UJ	pCi/L	.39		UJ	pCi/L
Uranium-235												
Uranium-235/236	.27		UJ	pCi/L	.25		UJ	pCi/L	.27		UJ	pCi/L
Uranium-238	.26		UJ	pCi/L	.25		UJ	pCi/L	.26		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	3				4				5			
Sample:	11-020				11-023				11-027			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.51		UJ	pCi/L	.68		UJ	pCi/L	.67		UJ	pCi/L
Cesium-137	6.27		UJ	pCi/L	6.96		UJ	pCi/L	2.88		UJ	pCi/L
Lead-210	2.61		UJ	pCi/L	2.84		UJ	pCi/L	2.22		UJ	pCi/L
Neptunium-237	.39		UJ	pCi/L	.19		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-238	.24		UJ	pCi/L	.03		UJ	pCi/L	.47		UJ	pCi/L
Plutonium-239/240	.29		UJ	pCi/L	.03		UJ	pCi/L	.51		UJ	pCi/L
Plutonium-241												
Polonium-210	.62		UJ	pCi/L	.49		UJ	pCi/L	.60		UJ	pCi/L
Radium-226	.21		UJ	pCi/L	.29		UJ	pCi/L	.23		UJ	pCi/L
Radium-228	1.36		UJ	pCi/L	1.64		UJ	pCi/L	1.48		UJ	pCi/L
Strontium-90	.51		UJ	pCi/L	.51		UJ	pCi/L	.51		UJ	pCi/L
Technetium-99	12.30		UJ	pCi/L	12.60		UJ	pCi/L	12.70		UJ	pCi/L
Thorium-227												
Thorium-228	.24		UJ	pCi/L	.26		UJ	pCi/L	.30		UJ	pCi/L
Thorium-230	.29		UJ	pCi/L	.23		UJ	pCi/L	.42	+/- .239	J	pCi/L
Thorium-232	.13		UJ	pCi/L	.10		UJ	pCi/L	.17		UJ	pCi/L
Uranium, Total	.32	+/- .018	-	ug/L	.25	+/- .0137	-	ug/L	6.09	+/- .328	-	ug/L
Uranium-233/234												
Uranium-234	.36		UJ	pCi/L	.49		UJ	pCi/L	.50		UJ	pCi/L
Uranium-235												
Uranium-235/236	.23		UJ	pCi/L	.32		UJ	pCi/L	.34		UJ	pCi/L
Uranium-238	.23		UJ	pCi/L	.33		UJ	pCi/L	.31		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				1				2			
Sample:	12A-006				12A-009R				12A-017R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.27		UJ	pCi/L	.16		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	4.50		UJ	pCi/L	4.90		UJ	pCi/L	4.90		UJ	pCi/L
Lead-210	10.00		UJ	pCi/L	8.70		UJ	pCi/L	10.00		UJ	pCi/L
Neptunium-237	1.70		UJ	pCi/L	.48		UJ	pCi/L	.66		UJ	pCi/L
Plutonium-238	.16		UJ	pCi/L	.13		UJ	pCi/L	.16		UJ	pCi/L
Plutonium-239/240	.11		UJ	pCi/L	.09		UJ	pCi/L	.14		UJ	pCi/L
Plutonium-241												
Polonium-210	.18		UJ	pCi/L	.24		UJ	pCi/L	.22		UJ	pCi/L
Radium-226	.29		UJ	pCi/L	.18		UJ	pCi/L	.25		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L	1.10		UJ	pCi/L	1.40		UJ	pCi/L
Strontium-90	2.30		UJ	pCi/L	2.20		UJ	pCi/L	2.40		UJ	pCi/L
Technetium-99	7.60		UJ	pCi/L	8.20		UJ	pCi/L	8.40		UJ	pCi/L
Thorium-227												
Thorium-228	.37		UJ	pCi/L	.32		UJ	pCi/L	.36		UJ	pCi/L
Thorium-230	.16		UJ	pCi/L	.15		UJ	pCi/L	.16		UJ	pCi/L
Thorium-232	.20		UJ	pCi/L	.19		UJ	pCi/L	.22		UJ	pCi/L
Uranium, Total	.71	+/- .002	J	ug/L	.12	+/- .005	J	ug/L	.09	+/- .004	J	ug/L
Uranium-233/234												
Uranium-234	.32		UJ	pCi/L	.32		UJ	pCi/L	.46		UJ	pCi/L
Uranium-235												
Uranium-235/236	.15		UJ	pCi/L	.13		UJ	pCi/L	.18		UJ	pCi/L
Uranium-238	.22		UJ	pCi/L	.24		UJ	pCi/L	.37		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	3				4				5			
Sample:	12A-027R				12A-038R				12A-043R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.16		UJ	pCi/L	.17		UJ	pCi/L	.15		UJ	pCi/L
Cesium-137	4.80		UJ	pCi/L	5.00		UJ	pCi/L	3.90		UJ	pCi/L
Lead-210	11.00		UJ	pCi/L	10.00		UJ	pCi/L	8.10		UJ	pCi/L
Neptunium-237	.51		UJ	pCi/L	.37		UJ	pCi/L	.68		UJ	pCi/L
Plutonium-238	.16		UJ	pCi/L	.24		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L	.19		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241												
Polonium-210	.10		UJ	pCi/L	.21		UJ	pCi/L	.20		UJ	pCi/L
Radium-226	.22		UJ	pCi/L	.25		UJ	pCi/L	.23		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L	1.50		UJ	pCi/L	.92		UJ	pCi/L
Strontium-90	2.40		UJ	pCi/L	2.40		UJ	pCi/L	2.30		UJ	pCi/L
Technetium-99	7.80		UJ	pCi/L	7.90		UJ	pCi/L	7.80		UJ	pCi/L
Thorium-227												
Thorium-228	.33		UJ	pCi/L	.34		UJ	pCi/L	5.74	+/- 1.3	-	pCi/L
Thorium-230	.18		UJ	pCi/L	.18		UJ	pCi/L	2.95	+/- .64	J	pCi/L
Thorium-232	.21		UJ	pCi/L	.22		UJ	pCi/L	4.15	+/- .89	-	pCi/L
Uranium, Total	.05		UJ	ug/L	.05		UJ	ug/L	.15	+/- .004	J	ug/L
Uranium-233/234												
Uranium-234	1.29	+/- .53	J	pCi/L	.37		UJ	pCi/L	.54		UJ	pCi/L
Uranium-235												
Uranium-235/236	.15		UJ	pCi/L	.20		UJ	pCi/L	.31		UJ	pCi/L
Uranium-238	1.22	+/- .42	J	pCi/L	.27		UJ	pCi/L	.39		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	6			
Sample:	12A-051R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.17		UJ	pCi/L
Cesium-137	4.00		UJ	pCi/L
Lead-210	8.10		UJ	pCi/L
Neptunium-237	.27	+/- .21	J	pCi/L
Plutonium-238	.27		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L
Plutonium-241				
Polonium-210	.15		UJ	pCi/L
Radium-226	.17		UJ	pCi/L
Radium-228	1.40		UJ	pCi/L
Strontium-90	2.60		UJ	pCi/L
Technetium-99	8.30		UJ	pCi/L
Thorium-227				
Thorium-228	.33		UJ	pCi/L
Thorium-230	.18		UJ	pCi/L
Thorium-232	.21		UJ	pCi/L
Uranium, Total	.08	+/- .005	J	ug/L
Uranium-233/234				
Uranium-234	.36		UJ	pCi/L
Uranium-235				
Uranium-235/236	.13		UJ	pCi/L
Uranium-238	.27		UJ	pCi/L

001145

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 12C - Lumber Storage Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	12C-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.88		UJ	pCi/L
Cesium-137	4.81		UJ	pCi/L
Lead-210	4.19		UJ	pCi/L
Neptunium-237	.78		UJ	pCi/L
Plutonium-238	.24		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L
Plutonium-241				
Polonium-210	.73		UJ	pCi/L
Radium-226	.66		UJ	pCi/L
Radium-228	1.95		UJ	pCi/L
Strontium-90	.63		UJ	pCi/L
Technetium-99	5.40		UJ	pCi/L
Thorium-227				
Thorium-228	.33		UJ	pCi/L
Thorium-230	.38		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L
Uranium, Total	4.69	+/- .251	-	ug/L
Uranium-233/234				
Uranium-234	2.21	+/- .335	J	pCi/L
Uranium-235				
Uranium-235/236	.26	+/- .101	-	pCi/L
Uranium-238	1.67	+/- .273	J	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				1				1			
Sample:	13A-014R				13A-018R				13A-019R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.13		UJ	pCi/L	.15		UJ	pCi/L	.34	+/- .18	J	pCi/L
Cesium-137	3.20		UJ	pCi/L	3.10		UJ	pCi/L	5.20		UJ	pCi/L
Lead-210	9.30		UJ	pCi/L	6.70		UJ	pCi/L	9.00		UJ	pCi/L
Neptunium-237	.68		UJ	pCi/L	.52		UJ	pCi/L	.88		UJ	pCi/L
Plutonium-238	.14		UJ	pCi/L	.13		UJ	pCi/L	.18		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-241												
Polonium-210	.35		UJ	pCi/L	.38		UJ	pCi/L	.29		UJ	pCi/L
Radium-226	.98	+/- .33	-	pCi/L	.44		UJ	pCi/L	.39		UJ	pCi/L
Radium-228	5.70		UJ	pCi/L	5.70		UJ	pCi/L	2.80		UJ	pCi/L
Strontium-90	2.80		UJ	pCi/L	2.50		UJ	pCi/L	2.40		UJ	pCi/L
Technetium-99	43.00		UJ	pCi/L	44.00		UJ	pCi/L	41.00		UJ	pCi/L
Thorium-227												
Thorium-228	.23		UJ	pCi/L	.24		UJ	pCi/L	12.90	+/- 2.4	J	pCi/L
Thorium-230	.14		UJ	pCi/L	.28	+/- .14	J	pCi/L	1.20	+/- .34	-	pCi/L
Thorium-232	.12		UJ	pCi/L	.14		UJ	pCi/L	4.24	+/- .84	J	pCi/L
Uranium, Total	.10	+/- .004	-	ug/L	.05		UJ	ug/L	.05		UJ	ug/L
Uranium-233/234									.65	+/- .25	J	pCi/L
Uranium-234	.27		UJ	pCi/L	.14		UJ	pCi/L				
Uranium-235												
Uranium-235/236	.16		UJ	pCi/L	.13		UJ	pCi/L	.09	+/- .065	J	pCi/L
Uranium-238	.24		UJ	pCi/L	.13		UJ	pCi/L	.13		UJ	pCi/L

0013432

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				RINSATE			
Process Area:	2				2				3			
Sample:	13A-039				13A-040R				13A-050R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.15		UJ	pCi/L	.42		UJ	pCi/L
Cesium-137	4.70		UJ	pCi/L	5.20		UJ	pCi/L	3.00		UJ	pCi/L
Lead-210	6.10		UJ	pCi/L	4.30		UJ	pCi/L	8.00		UJ	pCi/L
Neptunium-237					.17		UJ	pCi/L	1.80		UJ	pCi/L
Plutonium-238	.10		UJ	pCi/L	.20		UJ	pCi/L	.15		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L	.05		UJ	pCi/L	.11		UJ	pCi/L
Plutonium-241												
Polonium-210	.40		UJ	pCi/L	.22		UJ	pCi/L	.18		UJ	pCi/L
Radium-226	.16		UJ	pCi/L	.78	+/- .52	J	pCi/L	.39		UJ	pCi/L
Radium-228	4.40	+/- 1.8	-	pCi/L	6.10		UJ	pCi/L	5.50		UJ	pCi/L
Strontium-90	1.20		UJ	pCi/L	5.40		UJ	pCi/L	3.40		UJ	pCi/L
Technetium-99	7.10		UJ	pCi/L	20.00		UJ	pCi/L	49.00		UJ	pCi/L
Thorium-227												
Thorium-228	.59		UJ	pCi/L	.25		UJ	pCi/L	.16		UJ	pCi/L
Thorium-230	1.20		UJ	pCi/L	.22		UJ	pCi/L	.11		UJ	pCi/L
Thorium-232	.27		UJ	pCi/L	.17		UJ	pCi/L	.10		UJ	pCi/L
Uranium, Total	.05		UJ	ug/L	.05		UJ	ug/L	.05		UJ	ug/L
Uranium-233/234	2.06	+/- 5	J	pCi/L	3.50		UJ	pCi/L	.26		UJ	pCi/L
Uranium-234												
Uranium-235												
Uranium-235/236	.33		UJ	pCi/L	.67		UJ	pCi/L	.22		UJ	pCi/L
Uranium-238	2.36	+/- 4.4	J	pCi/L	3.00		UJ	pCi/L	.27		UJ	pCi/L

001148

001212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				RINSATE			
Process Area:	3				3				3			
Sample:	13A-059R				13A-062R				13A-071R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.24		UJ	pCi/L	.16		UJ	pCi/L	2.00		R	pCi/L
Cesium-137	6.00		UJ	pCi/L	3.20		UJ	pCi/L	2.20		UJ	pCi/L
Lead-210	8.00		UJ	pCi/L	7.60		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	.26		UJ	pCi/L	.44		UJ	pCi/L	.60		UJ	pCi/L
Plutonium-238	.16		UJ	pCi/L	.14		UJ	pCi/L	.90		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L	.05		UJ	pCi/L	.60		UJ	pCi/L
Plutonium-241												
Polonium-210	.17		UJ	pCi/L	.26		UJ	pCi/L	3.50		UJ	pCi/L
Radium-226	.39		UJ	pCi/L	.37		UJ	pCi/L	.20	+/- .2	R	pCi/L
Radium-228	5.50		UJ	pCi/L	2.20		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	3.10		UJ	pCi/L	3.70		UJ	pCi/L	2.50	+/- 2.5	R	pCi/L
Technetium-99	46.00		UJ	pCi/L	42.00		UJ	pCi/L	12.00		UJ	pCi/L
Thorium-227												
Thorium-228	.37	+/- .26	J	pCi/L	1.10	+/- .29	-	pCi/L	-.28	+/- .476	UJ	pCi/L
Thorium-230	.57	+/- .29	J	pCi/L	.18	+/- .1	J	pCi/L	-.05	+/- .4398	UJ	pCi/L
Thorium-232	.38	+/- .2	J	pCi/L	.22	+/- .11	-	pCi/L	-.11	+/- .3991	UJ	pCi/L
Uranium, Total	.08	+/- .012	-	ug/L	.05		UJ	ug/L	.10	+/- 0	-	ug/L
Uranium-233/234	1.80		UJ	pCi/L								
Uranium-234					5.00		UJ	pCi/L	-.12	+/- .375	UJ	pCi/L
Uranium-235												
Uranium-235/236	.38		UJ	pCi/L	.97		UJ	pCi/L	-.11	+/- .2156	UJ	pCi/L
Uranium-238	1.50		UJ	pCi/L	4.20		UJ	pCi/L	-.08	+/- .2106	UJ	pCi/L

00149

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	3			
Sample:	13A-072R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.38		UJ	pCi/L
Cesium-137	4.10		UJ	pCi/L
Lead-210	3.90		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.21		UJ	pCi/L
Plutonium-239/240	.08		UJ	pCi/L
Plutonium-241				
Polonium-210	.20		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	2.20		UJ	pCi/L
Strontium-90	5.40		UJ	pCi/L
Technetium-99	22.00		UJ	pCi/L
Thorium-227				
Thorium-228	.23		UJ	pCi/L
Thorium-230	.62	+/- .3	J	pCi/L
Thorium-232	.16		UJ	pCi/L
Uranium, Total	.06	+/- .016	-	ug/L
Uranium-233/234	10.00		UJ	pCi/L
Uranium-234				
Uranium-235				
Uranium-235/236	2.00		UJ	pCi/L
Uranium-238	8.50		UJ	pCi/L

0212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13C - Sump Pump House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	13C-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	5.80		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	4.30		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L
Technetium-99	24.00		UJ	pCi/L
Thorium-227				
Thorium-228	.40	+/- .35	UJ	pCi/L
Thorium-230	-.17	+/- .56	UJ	pCi/L
Thorium-232	-.07	+/- .23	UJ	pCi/L
Uranium, Total	.30	+/- .03	J	ug/L
Uranium-233/234				
Uranium-234	-.07	+/- .2	UJ	pCi/L
Uranium-235	-.02	+/- .11	UJ	pCi/L
Uranium-235/236				
Uranium-238	.12	+/- .11	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank Farm
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	13D-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.29		UJ	pCi/L
Cesium-137	3.30		UJ	pCi/L
Lead-210	3.95		UJ	pCi/L
Neptunium-237	.85		UJ	pCi/L
Plutonium-238	.26		UJ	pCi/L
Plutonium-239/240	.18		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.54		UJ	pCi/L
Radium-228	1.43		UJ	pCi/L
Strontium-90	1.22		UJ	pCi/L
Technetium-99	5.39		UJ	pCi/L
Thorium-227				
Thorium-228	.35	+/- .392	J	pCi/L
Thorium-230	.32		UJ	pCi/L
Thorium-232	.14		UJ	pCi/L
Uranium, Total	.34	+/- .0183	-	ug/L
Uranium-233/234				
Uranium-234	.87	+/- .206	J	pCi/L
Uranium-235				
Uranium-235/236	.22	+/- .0922	-	pCi/L
Uranium-238	.66	+/- .17	J	pCi/L

001152

2178

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 14A - Administration Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	14A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.60		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.02	+/- .0481	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	24.40		UJ	pCi/L
Thorium-227				
Thorium-228	.86	+/- .95	UJ	pCi/L
Thorium-230	2.37	+/- 1.27	J	pCi/L
Thorium-232	.41	+/- .61	UJ	pCi/L
Uranium, Total	.02	+/- .02	J	ug/L
Uranium-233/234				
Uranium-234	.30		UJ	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	.30	+/- .2	J	pCi/L

0043453

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				1				1			
Sample:	15A-005				15A-012				15A-014			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	1.08		UJ	pCi/L	1.03		UJ	pCi/L	1.48		UJ	pCi/L
Cesium-137	3.33		UJ	pCi/L	9.53		UJ	pCi/L	7.14		UJ	pCi/L
Lead-210	4.09		UJ	pCi/L	4.71		UJ	pCi/L	4.31		UJ	pCi/L
Neptunium-237	.72		UJ	pCi/L	.63		UJ	pCi/L	.63		UJ	pCi/L
Plutonium-238	.25		UJ	pCi/L	.28		UJ	pCi/L	.19		UJ	pCi/L
Plutonium-239/240	.11	+/- .0798	J	pCi/L	.15		UJ	pCi/L	.11	+/- .0823	J	pCi/L
Plutonium-241												
Polonium-210	.60		UJ	pCi/L	.52		UJ	pCi/L	.84		UJ	pCi/L
Radium-226	.62		UJ	pCi/L	.51		UJ	pCi/L	.40		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L	1.51		UJ	pCi/L	1.46		UJ	pCi/L
Strontium-90	.72		UJ	pCi/L	.85		UJ	pCi/L	.70		UJ	pCi/L
Technetium-99	11.90	+/- 5.1	J	pCi/L	5.45		UJ	pCi/L	5.58		UJ	pCi/L
Thorium-227												
Thorium-228	.29	+/- .399	J	pCi/L	.28	+/- .397	J	pCi/L	.25	+/- .395	J	pCi/L
Thorium-230	.35		UJ	pCi/L	.35		UJ	pCi/L	.34		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L	.14		UJ	pCi/L	.13		UJ	pCi/L
Uranium, Total	.94	+/- .0507	-	ug/L	.63	+/- .0343	-	ug/L	3.68	+/- .197	-	ug/L
Uranium-233/234												
Uranium-234	.14		UJ	pCi/L	.35	+/- .147	J	pCi/L	.32	+/- .131	J	pCi/L
Uranium-235												
Uranium-235/236	.08		UJ	pCi/L	.07	+/- .0558	J	pCi/L	.06		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L	.40	+/- .127	J	pCi/L	.41	+/- .121	J	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	3			
Sample:	15A-021			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.21		UJ	pCi/L
Cesium-137	7.51		UJ	pCi/L
Lead-210	4.49		UJ	pCi/L
Neptunium-237	1.01		UJ	pCi/L
Plutonium-238	.02		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.39		UJ	pCi/L
Radium-226	.48		UJ	pCi/L
Radium-228	1.83		UJ	pCi/L
Strontium-90	.85		UJ	pCi/L
Technetium-99	7.78	+/- 4.87	J	pCi/L
Thorium-227				
Thorium-228	7.22		UJ	pCi/L
Thorium-230	4.98		UJ	pCi/L
Thorium-232	5.54	+/- 2.59	-	pCi/L
Uranium, Total	.28	+/- .0151	-	ug/L
Uranium-233/234				
Uranium-234	.16		UJ	pCi/L
Uranium-235				
Uranium-235/236	.09		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L

0015455

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16A-004				16A-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.08		R	pCi/L	.15		UJ	pCi/L
Cesium-137	1.90		R	pCi/L	1.80		UJ	pCi/L
Lead-210	2.40		R	pCi/L	2.60		UJ	pCi/L
Neptunium-237	.14		R	pCi/L	.04		UJ	pCi/L
Plutonium-238	.15		R	pCi/L	.15		UJ	pCi/L
Plutonium-239/240	.12		R	pCi/L	.14		UJ	pCi/L
Plutonium-241								
Polonium-210	.24		R	pCi/L	2.30		UJ	pCi/L
Radium-226	.42		R	pCi/L	.71		UJ	pCi/L
Radium-228	1.20		R	pCi/L	1.10		UJ	pCi/L
Strontium-90	.18	+/- .15	R	pCi/L	.20		UJ	pCi/L
Technetium-99	54.00	+/- 18	R	pCi/L	29.00	+/- 14	J	pCi/L
Thorium-227								
Thorium-228	.22		R	pCi/L	.18		UJ	pCi/L
Thorium-230	.22		R	pCi/L	.19		UJ	pCi/L
Thorium-232	.17		R	pCi/L	.12		UJ	pCi/L
Uranium, Total	.85		R	ug/L	.85		UJ	ug/L
Uranium-233/234								
Uranium-234	.16		R	pCi/L	.15		UJ	pCi/L
Uranium-235								
Uranium-235/236	.11		R	pCi/L	.05		UJ	pCi/L
Uranium-238	.17		R	pCi/L	.16		UJ	pCi/L

001156

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16B-003				16B-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.07		UJ	pCi/L	.06		UJ	pCi/L
Cesium-137	1.90		UJ	pCi/L	1.90		UJ	pCi/L
Lead-210	5.40		UJ	pCi/L	5.80		UJ	pCi/L
Neptunium-237	.18		UJ	pCi/L	.18		UJ	pCi/L
Plutonium-238	.19		UJ	pCi/L	.19		UJ	pCi/L
Plutonium-239/240	.17		UJ	pCi/L	.17		UJ	pCi/L
Plutonium-241								
Polonium-210	1.80		UJ	pCi/L	2.20		UJ	pCi/L
Radium-226	.79		UJ	pCi/L	.61		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L	.90		UJ	pCi/L
Strontium-90	3.20	+/- .69	-	pCi/L	6.30	+/- 1.3	-	pCi/L
Technetium-99	7.60		UJ	pCi/L	7.20		UJ	pCi/L
Thorium-227								
Thorium-228	.20	+/- .15	J	pCi/L	.53	+/- .12	J	pCi/L
Thorium-230	.35	+/- .17	J	pCi/L	.47	+/- .18	J	pCi/L
Thorium-232	.13		UJ	pCi/L	.12	+/- .097	J	pCi/L
Uranium, Total	.09		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234								
Uranium-234	.14		UJ	pCi/L	.10		UJ	pCi/L
Uranium-235								
Uranium-235/236	.07		UJ	pCi/L	.03		UJ	pCi/L
Uranium-238	.12	+/- .11	J	pCi/L	.10		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Transformer
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	16C-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	4.80		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.08	+/- .09	UJ	pCi/L
Plutonium-238	.20		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	24.80		UJ	pCi/L
Thorium-227				
Thorium-228	.45	+/- .56	UJ	pCi/L
Thorium-230	1.05	+/- .92	J	pCi/L
Thorium-232	.00	+/- .48	UJ	pCi/L
Uranium, Total	.20	+/- .02	J	ug/L
Uranium-233/234				
Uranium-234	.30		UJ	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	.20		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16D - Main Electrical Switch House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	16D-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.18	+/- .1428	J	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.30		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L
Technetium-99	26.00		UJ	pCi/L
Thorium-227				
Thorium-228	-.08	+/- .67	UJ	pCi/L
Thorium-230	1.57	+/- 1	J	pCi/L
Thorium-232	-.33	+/- .46	UJ	pCi/L
Uranium, Total	.20	+/- .02	J	ug/L
Uranium-233/234				
Uranium-234	.50	+/- .3	J	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	2.30	+/- .5	-	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16E - Main Electrical Transformers
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	16E-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	7.00		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.05	+/- .1	U	pCi/L
Plutonium-238	.04	+/- .22	UJ	pCi/L
Plutonium-239/240	.03	+/- .08	UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.40	+/- .5	J	pCi/L
Radium-228	3.80		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	24.80		UJ	pCi/L
Thorium-227				
Thorium-228	.11	+/- .29	UJ	pCi/L
Thorium-230	.12	+/- .55	UJ	pCi/L
Thorium-232	.07	+/- .27	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.17	+/- .26	UJ	pCi/L
Uranium-235	.08	+/- .21	UJ	pCi/L
Uranium-235/236				
Uranium-238	.06	+/- .19	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	16F-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.30		UJ	pCi/L
Cesium-137	1.20		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.12	+/- .1305	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.30		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	24.50		UJ	pCi/L
Thorium-227				
Thorium-228	1.88	+/- 4.25	R	pCi/L
Thorium-230	4.64	+/- 4.86	R	pCi/L
Thorium-232	-.92	+/- 3.75	R	pCi/L
Uranium, Total	.10	+/- .01	J	ug/L
Uranium-233/234				
Uranium-234	1.10	+/- .4	-	pCi/L
Uranium-235				
Uranium-235/236	.20		UJ	pCi/L
Uranium-238	3.50	+/- .7	-	pCi/L

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				RINSATE			
Process Area:	1				1				1			
Sample:	18A-003				18A-009				18A-019			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/L	.07		UJ	pCi/L	.14	+/- 1.2	J	pCi/L
Cesium-137	7.60		UJ	pCi/L	7.60		UJ	pCi/L	6.70		UJ	pCi/L
Lead-210	97.00		UJ	pCi/L	99.00		UJ	pCi/L	84.00		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L	.11		UJ	pCi/L	.06	+/- .052	J	pCi/L
Plutonium-238	.04		UJ	pCi/L	.04		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L	.05		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-241	1.80		UJ	pCi/L	1.80		UJ	pCi/L	1.80		UJ	pCi/L
Polonium-210	.10		UJ	pCi/L	.11		UJ	pCi/L	.13		UJ	pCi/L
Radium-226	.10		UJ	pCi/L	.10		UJ	pCi/L	.09		UJ	pCi/L
Radium-228	1.60		UJ	pCi/L	1.80		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	.81		UJ	pCi/L	.78		UJ	pCi/L	.76		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	12.00		UJ	pCi/L
Thorium-227												
Thorium-228	.12		UJ	pCi/L	.06		UJ	pCi/L	.09		UJ	pCi/L
Thorium-230	.17		UJ	pCi/L	.12		UJ	pCi/L	.10		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L	.07		UJ	pCi/L	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L	.24		UJ	ug/L	.24		UJ	ug/L
Uranium-233/234												
Uranium-234	.15		UJ	pCi/L	.16		UJ	pCi/L	.09		UJ	pCi/L
Uranium-235												
Uranium-235/236	.06		UJ	pCi/L	.06		UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.15		UJ	pCi/L	.16		UJ	pCi/L	.12		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18A-025			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.25	+/- 1.2	J	pCi/L
Cesium-137	7.30		UJ	pCi/L
Lead-210	310.00	+/- 100	-	pCi/L
Neptunium-237	.09		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241	1.90		UJ	pCi/L
Polonium-210	.16		UJ	pCi/L
Radium-226	.12		UJ	pCi/L
Radium-228	1.60		UJ	pCi/L
Strontium-90	.83		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	.08		UJ	pCi/L
Thorium-230	.11		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L
Uranium-233/234				
Uranium-234	.41	+/- .73	J	pCi/L
Uranium-235				
Uranium-235/236	.10		UJ	pCi/L
Uranium-238	.13		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	18B-008				18B-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.86		UJ	pCi/L	.39		R	pCi/L
Cesium-137	2.84		UJ	pCi/L	7.82		UJ	pCi/L
Lead-210	2.20		UJ	pCi/L	2.35		UJ	pCi/L
Neptunium-237	.20		R	pCi/L	.11		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L	.03		UJ	pCi/L
Plutonium-241								
Polonium-210	.53		UJ	pCi/L	.57		UJ	pCi/L
Radium-226	.64		UJ	pCi/L	.53		UJ	pCi/L
Radium-228	1.82		UJ	pCi/L	2.21		UJ	pCi/L
Strontium-90	.62		UJ	pCi/L	.53		UJ	pCi/L
Technetium-99	12.80		UJ	pCi/L	12.60		UJ	pCi/L
Thorium-227								
Thorium-228	.23		UJ	pCi/L	.19		UJ	pCi/L
Thorium-230	.16	+/- .133	J	pCi/L	.15	+/- .13	J	pCi/L
Thorium-232	.11		UJ	pCi/L	.07		UJ	pCi/L
Uranium, Total	.51	+/- .03	-	ug/L	.17	+/- .011	-	ug/L
Uranium-233/234								
Uranium-234	.31		UJ	pCi/L	.40	+/- .289	J	pCi/L
Uranium-235								
Uranium-235/236	.18		UJ	pCi/L	.17		UJ	pCi/L
Uranium-238	.23		UJ	pCi/L	.20		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE			
Process Area:	1				1			
Sample:	18C-006R				18C-007R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.10		UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L	10.00		UJ	pCi/L
Lead-210	2.00		UJ	pCi/L	11.00	+/- 3.2	J	pCi/L
Neptunium-237	.13		UJ	pCi/L	.21		UJ	pCi/L
Plutonium-238	.19		UJ	pCi/L	.25		UJ	pCi/L
Plutonium-239/240	.14		UJ	pCi/L	.23		UJ	pCi/L
Plutonium-241								
Polonium-210	.73		UJ	pCi/L	.86		UJ	pCi/L
Radium-226	.99		UJ	pCi/L	.46		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L	1.50	+/- .84	J	pCi/L
Strontium-90	.16		UJ	pCi/L	.32		UJ	pCi/L
Technetium-99	7.60		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227								
Thorium-228	.17		UJ	pCi/L	.34		UJ	pCi/L
Thorium-230	.21		UJ	pCi/L	.51		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L	.13		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234								
Uranium-234	.18		UJ	pCi/L	.16		UJ	pCi/L
Uranium-235								
Uranium-235/236	.07		UJ	pCi/L	.10		UJ	pCi/L
Uranium-238	.18		UJ	pCi/L	.13		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				RINSATE			
Process Area:	1				1				1			
Sample:	18E-003				18E-004				18E-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.40		UJ	pCi/L	.60	+/- .5	J	pCi/L	.07		UJ	pCi/L
Cesium-137	1.10		UJ	pCi/L	1.30		UJ	pCi/L	1.70		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L	3.20		UJ	pCi/L
Neptunium-237	-.03	+/- .12	UJ	pCi/L	-.09	+/- .23	UJ	pCi/L	.13		UJ	pCi/L
Plutonium-238	.50		UJ	pCi/L	.60		UJ	pCi/L	.28		UJ	pCi/L
Plutonium-239/240	.30		UJ	pCi/L	.30		UJ	pCi/L	.24		UJ	pCi/L
Plutonium-241												
Polonium-210	.80		UJ	pCi/L	1.40		UJ	pCi/L	2.50		UJ	pCi/L
Radium-226	.50	+/- .5	J	pCi/L	.70		UJ	pCi/L	.61		UJ	pCi/L
Radium-228	5.30	+/- 2.4	-	pCi/L	2.00		UJ	pCi/L	.95		UJ	pCi/L
Strontium-90	1.90		UJ	pCi/L	1.40		UJ	pCi/L	.25	+/- .22	J	pCi/L
Technetium-99	27.80		UJ	pCi/L	25.30		UJ	pCi/L	8.10		UJ	pCi/L
Thorium-227												
Thorium-228	-.08	+/- .3592	UJ	pCi/L	.09	+/- .2032	UJ	pCi/L	.18		UJ	pCi/L
Thorium-230	-2.36	+/- .83	UJ	pCi/L	-2.44	+/- .66	UJ	pCi/L	.13		UJ	pCi/L
Thorium-232	.12	+/- .2595	UJ	pCi/L	.05	+/- .09349	UJ	pCi/L	.10		UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.10		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234												
Uranium-234	-.06	+/- .1827	UJ	pCi/L	-.06	+/- .1559	UJ	pCi/L	.10		UJ	pCi/L
Uranium-235												
Uranium-235/236	-.02	+/- .09928	UJ	pCi/L	.04	+/- .08071	UJ	pCi/L	.07		UJ	pCi/L
Uranium-238	-.05	+/- .1372	UJ	pCi/L	.02	+/- .1336	UJ	pCi/L	.12		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Radionuclides

Material:	DI WATER RINSATE				DI WATER FIELD BLANK				DI WATER RINSATE			
Qa Type:	1				1				1			
Process Area:	18E-014				18E-018				18E-019			
Sample:												
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.19		UJ	pCi/L	.16		UJ	pCi/L	.11		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L	10.00		UJ	pCi/L	1.70		UJ	pCi/L
Lead-210	2.50		UJ	pCi/L	2.50		UJ	pCi/L	3.20		UJ	pCi/L
Neptunium-237	.23		UJ	pCi/L	.24		UJ	pCi/L	.27		UJ	pCi/L
Plutonium-238	.23		UJ	pCi/L	.23		UJ	pCi/L	.26		UJ	pCi/L
Plutonium-239/240	.19		UJ	pCi/L	.19		UJ	pCi/L	.23		UJ	pCi/L
Plutonium-241												
Polonium-210	.85		UJ	pCi/L	.94		UJ	pCi/L	.60		UJ	pCi/L
Radium-226	.48		UJ	pCi/L	.68		UJ	pCi/L	.54		UJ	pCi/L
Radium-228	.83		UJ	pCi/L	2.20	+/- .95	-	pCi/L	1.20		UJ	pCi/L
Strontium-90	.18		UJ	pCi/L	.18		UJ	pCi/L	.23		UJ	pCi/L
Technetium-99	9.60		UJ	pCi/L	14.00		UJ	pCi/L	14.00		UJ	pCi/L
Thorium-227												
Thorium-228	.36		UJ	pCi/L	.53		UJ	pCi/L	.57		UJ	pCi/L
Thorium-230	.58		UJ	pCi/L	.74		UJ	pCi/L	.80		UJ	pCi/L
Thorium-232	.23		UJ	pCi/L	.23		UJ	pCi/L	.44		UJ	pCi/L
Uranium, Total	.09		UJ	ug/L	.09		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234												
Uranium-234	.21		UJ	pCi/L	.12		UJ	pCi/L	.22	+/- .13	J	pCi/L
Uranium-235												
Uranium-235/236	.10		UJ	pCi/L	.04		UJ	pCi/L	.04		UJ	pCi/L
Uranium-238	.21		UJ	pCi/L	.14		UJ	pCi/L	.07		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18G-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		J	pCi/L
Cesium-137	5.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.11		UJ	pCi/L
Plutonium-241				
Polonium-210	.40		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	3.60		UJ	pCi/L
Strontium-90	1.50		UJ	pCi/L
Technetium-99	25.20		UJ	pCi/L
Thorium-227				
Thorium-228	.12	+/- .29	UJ	pCi/L
Thorium-230	.37	+/- .56	UJ	pCi/L
Thorium-232	.11	+/- .31	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	.03	+/- .21	UJ	pCi/L
Uranium-235	-.01	+/- .13	UJ	pCi/L
Uranium-235/236				
Uranium-238	.14	+/- .13	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 18H - BDN Effluent Treatment Facility
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18H-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.10		J	pCi/L
Cesium-137	5.40		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	-.03	+/- .11	UJ	pCi/L
Plutonium-238	.07	+/- .23	UJ	pCi/L
Plutonium-239/240	.09	+/- .1	UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.40	+/- .6	J	pCi/L
Radium-228	3.30		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L
Technetium-99	25.30		UJ	pCi/L
Thorium-227				
Thorium-228	-.18	+/- .29	UJ	pCi/L
Thorium-230	-.24	+/- .55	UJ	pCi/L
Thorium-232	.39	+/- .3	J	pCi/L
Uranium, Total	.20	+/- .02	J	ug/L
Uranium-233/234				
Uranium-234	-.07	+/- .2	UJ	pCi/L
Uranium-235	-.01	+/- .1	UJ	pCi/L
Uranium-235/236				
Uranium-238	.09	+/- .11	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18J-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		UJ	pCi/L
Cesium-137	6.27		UJ	pCi/L
Lead-210	2.51		UJ	pCi/L
Neptunium-237	.26		UJ	pCi/L
Plutonium-238	.29		UJ	pCi/L
Plutonium-239/240	.28		UJ	pCi/L
Plutonium-241				
Polonium-210	.61		UJ	pCi/L
Radium-226	.37		UJ	pCi/L
Radium-228	.91		UJ	pCi/L
Strontium-90	.52		UJ	pCi/L
Technetium-99	12.60		UJ	pCi/L
Thorium-227				
Thorium-228	.30		UJ	pCi/L
Thorium-230	.64	+/- .419	J	pCi/L
Thorium-232	.32	+/- .195	J	pCi/L
Uranium, Total	.03		UJ	ug/L
Uranium-233/234				
Uranium-234	.35		UJ	pCi/L
Uranium-235				
Uranium-235/236	.23		UJ	pCi/L
Uranium-238	.23		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18K-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	2.80		UJ	pCi/L
Strontium-90	.90		UJ	pCi/L
Technetium-99	36.10		UJ	pCi/L
Thorium-227				
Thorium-228	.81		R	pCi/L
Thorium-230	1.17	+/- .62	R	pCi/L
Thorium-232	.42		R	pCi/L
Uranium, Total	.13		UJ	ug/L
Uranium-233/234				
Uranium-234	.25	+/- .94	R	pCi/L
Uranium-235				
Uranium-235/236	.38	+/- .93	R	pCi/L
Uranium-238	.38	+/- .93	R	pCi/L

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	18L-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.22		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L
Lead-210	3.00		UJ	pCi/L
Neptunium-237	.22		UJ	pCi/L
Plutonium-238	.21		UJ	pCi/L
Plutonium-239/240	.19		UJ	pCi/L
Plutonium-241				
Polonium-210	.43		UJ	pCi/L
Radium-226	.59		UJ	pCi/L
Radium-228	.89		UJ	pCi/L
Strontium-90	.55		UJ	pCi/L
Technetium-99	14.00		UJ	pCi/L
Thorium-227				
Thorium-228	.40		UJ	pCi/L
Thorium-230	.53		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L
Uranium, Total	.10	+/- .0032	-	ug/L
Uranium-233/234				
Uranium-234	.15		UJ	pCi/L
Uranium-235				
Uranium-235/236	.04		UJ	pCi/L
Uranium-238	.17	+/- .11	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18M - High Nitrate Storage Tank
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	18M-002				18M-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.53		UJ	pCi/L	.47		UJ	pCi/L
Cesium-137	3.48		UJ	pCi/L	6.46		UJ	pCi/L
Lead-210	2.77		UJ	pCi/L	2.37		UJ	pCi/L
Neptunium-237	.24		UJ	pCi/L	.19		UJ	pCi/L
Plutonium-238	.06		UJ	pCi/L	.25		UJ	pCi/L
Plutonium-239/240	.04		UJ	pCi/L	.29		UJ	pCi/L
Plutonium-241								
Polonium-210	1.00	+/- .412	-	pCi/L	.61		UJ	pCi/L
Radium-226	.36		UJ	pCi/L	.36		UJ	pCi/L
Radium-228	.90		UJ	pCi/L	.96		UJ	pCi/L
Strontium-90	.47		UJ	pCi/L	.49		UJ	pCi/L
Technetium-99	12.60		UJ	pCi/L	12.60		UJ	pCi/L
Thorium-227								
Thorium-228	.21		UJ	pCi/L	.25		UJ	pCi/L
Thorium-230	.34		UJ	pCi/L	.31		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L	.14		UJ	pCi/L
Uranium, Total	.18	+/- .00994	-	ug/L	.20	+/- .011	-	ug/L
Uranium-233/234								
Uranium-234	.35		UJ	pCi/L	.38		UJ	pCi/L
Uranium-235								
Uranium-235/236	.23		UJ	pCi/L	.24		UJ	pCi/L
Uranium-238	.29	+/- .223	J	pCi/L	.25		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	1				1			
Sample:	19D-006R				19D-014R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.50		R	pCi/L	.50		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L	2.90	+/- 2.2	J	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	-.15	+/- .19	UJ	pCi/L	.30		UJ	pCi/L
Plutonium-238	.60		UJ	pCi/L	1.00		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.50		UJ	pCi/L
Plutonium-241								
Polonium-210	1.70		UJ	pCi/L	1.30		UJ	pCi/L
Radium-226	.70		UJ	pCi/L	.20		UJ	pCi/L
Radium-228	2.00		UJ	pCi/L	1.20		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L	2.50	+/- 2.5	R	pCi/L
Technetium-99	25.70		UJ	pCi/L	12.30		UJ	pCi/L
Thorium-227								
Thorium-228	.08	+/- .2406	UJ	pCi/L	-.15	+/- .3644	UJ	pCi/L
Thorium-230	-2.41	+/- .68	UJ	pCi/L	.05	+/- .3678	UJ	pCi/L
Thorium-232	-.05	+/- .1001	UJ	pCi/L	-.02	+/- .1855	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	155.00	+/- 14.6	-	ug/L
Uranium-233/234								
Uranium-234	-.11	+/- .2599	UJ	pCi/L	50.18	+/- 9.739	J	pCi/L
Uranium-235								
Uranium-235/236	-.06	+/- .1153	UJ	pCi/L	12.93	+/- 3.335	J	pCi/L
Uranium-238	-.21	+/- .1856	UJ	pCi/L	46.96	+/- 9.11	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 20C - Cooling Towers
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	20C-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.10		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	-.03	+/- .0626	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.40		UJ	pCi/L
Radium-226	.30	+/- .4	J	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	2.40		UJ	pCi/L
Technetium-99	23.90		UJ	pCi/L
Thorium-227				
Thorium-228	.25	+/- .54	UJ	pCi/L
Thorium-230	1.39	+/- 1.04	J	pCi/L
Thorium-232	-.01	+/- .51	UJ	pCi/L
Uranium, Total	.10	+/- .01	J	ug/L
Uranium-233/234				
Uranium-234	.50		UJ	pCi/L
Uranium-235				
Uranium-235/236	.30		UJ	pCi/L
Uranium-238	.40		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	22E-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.61		UJ	pCi/L
Cesium-137	3.24		UJ	pCi/L
Lead-210	2.24		UJ	pCi/L
Neptunium-237	.07		UJ	pCi/L
Plutonium-238	.23		UJ	pCi/L
Plutonium-239/240	.29		UJ	pCi/L
Plutonium-241				
Polonium-210	.61		UJ	pCi/L
Radium-226	.33		UJ	pCi/L
Radium-228	.89		UJ	pCi/L
Strontium-90	.52		UJ	pCi/L
Technetium-99	12.40		UJ	pCi/L
Thorium-227				
Thorium-228	.32		UJ	pCi/L
Thorium-230	.24		UJ	pCi/L
Thorium-232	.12		UJ	pCi/L
Uranium, Total	.24	+/- .0135	-	ug/L
Uranium-233/234				
Uranium-234	.39		UJ	pCi/L
Uranium-235				
Uranium-235/236	.25		UJ	pCi/L
Uranium-238	.24		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 24A - Railroad Scale House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	24A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.10		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	-.05	+/- .1182	UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	25.90		UJ	pCi/L
Thorium-227				
Thorium-228	-.11	+/- .73	UJ	pCi/L
Thorium-230	1.14	+/- 1.09	U	pCi/L
Thorium-232	.18	+/- .63	UJ	pCi/L
Uranium, Total	.30	+/- .03	J	ug/L
Uranium-233/234				
Uranium-234	.40		UJ	pCi/L
Uranium-235				
Uranium-235/236	.30		UJ	pCi/L
Uranium-238	.30		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 24B - Railroad Engine House
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	24B-004

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.30		UJ	pCi/L
Lead-210	91.00		UJ	pCi/L
Neptunium-237	.10	+/- .096	J	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.11	+/- 1.3	J	pCi/L
Radium-226	.21		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	.82		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.05		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.06		UJ	pCi/L
Uranium-235				
Uranium-235/236	.04		UJ	pCi/L
Uranium-238	.06		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 25E - Digester & Control Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	25E-008R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		UJ	pCi/L
Cesium-137	2.60		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.50		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239/240	.70		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.20		UJ	pCi/L
Technetium-99	12.50		UJ	pCi/L
Thorium-227				
Thorium-228	.01	+/- .3744	UJ	pCi/L
Thorium-230	-.19	+/- .3257	UJ	pCi/L
Thorium-232	-.11	+/- .2759	UJ	pCi/L
Uranium, Total	.20	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234				
Uranium-235				
Uranium-235/236				
Uranium-238				

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	25F-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20	+/- .1	J	pCi/L
Cesium-137	1.10	+/- 1.6	R	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	2.70	+/- 2.1	J	pCi/L
Strontium-90	1.30		UJ	pCi/L
Technetium-99	35.50		UJ	pCi/L
Thorium-227				
Thorium-228	.51		R	pCi/L
Thorium-230	.79	+/- .48	R	pCi/L
Thorium-232	.29		R	pCi/L
Uranium, Total	.13		UJ	ug/L
Uranium-233/234				
Uranium-234	.22	+/- .17	J	pCi/L
Uranium-235				
Uranium-235/236	-.02	+/- .1	UJ	pCi/L
Uranium-238	.02	+/- .1	U	pCi/L

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	25H-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.13		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	2.30	+/- 2.1	J	pCi/L
Strontium-90	1.10		UJ	pCi/L
Technetium-99	33.60		UJ	pCi/L
Thorium-227				
Thorium-228	.43		R	pCi/L
Thorium-230	.66	+/- .46	R	pCi/L
Thorium-232	.25		R	pCi/L
Uranium, Total	.13		UJ	ug/L
Uranium-233/234				
Uranium-234	.32	+/- .19	J	pCi/L
Uranium-235				
Uranium-235/236	.03	+/- .1	UJ	pCi/L
Uranium-238	.10	+/- .11	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	26C-008			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	9.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	3.80		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	25.20		UJ	pCi/L
Thorium-227				
Thorium-228	.03	+/- .29	UJ	pCi/L
Thorium-230	-.20	+/- .54	UJ	pCi/L
Thorium-232	.03	+/- .22	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.24	+/- .18	UJ	pCi/L
Uranium-235	-.07	+/- .09	UJ	pCi/L
Uranium-235/236				
Uranium-238	.10	+/- .11	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 28A - Security Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	28A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	10.60		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.40	+/- .8	J	pCi/L
Radium-228	3.40		UJ	pCi/L
Strontium-90	2.10		UJ	pCi/L
Technetium-99	25.70		UJ	pCi/L
Thorium-227				
Thorium-228	-.14	+/- .37	UJ	pCi/L
Thorium-230	.48	+/- .67	UJ	pCi/L
Thorium-232	.02	+/- .26	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.03	+/- .23	UJ	pCi/L
Uranium-235	.08	+/- .15	UJ	pCi/L
Uranium-235/236				
Uranium-238	.32	+/- .16	J	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 30A - Chemical Warehouse
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				3			
Sample:	30A-005				30A-008				30A-010			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L	.10		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L	1.20	+/- 1.7	R	pCi/L	1.00		UJ	pCi/L
Lead-210	1.60		UJ	pCi/L	1.50		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L	.20		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L	.20		UJ	pCi/L	1.10		R	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.10		UJ	pCi/L	1.30	+/- .7	R	pCi/L
Plutonium-241												
Polonium-210	.30		UJ	pCi/L	.30		UJ	pCi/L	.40		UJ	pCi/L
Radium-226	.40		UJ	pCi/L	.50		UJ	pCi/L	.50		UJ	pCi/L
Radium-228	2.10		UJ	pCi/L	2.00		UJ	pCi/L	2.40	+/- 2.2	J	pCi/L
Strontium-90	1.20		UJ	pCi/L	1.30		UJ	pCi/L	1.20		UJ	pCi/L
Technetium-99	35.20	+/- 40.1	R	pCi/L	34.80		UJ	pCi/L	35.40		UJ	pCi/L
Thorium-227												
Thorium-228	.44		R	pCi/L	.71		R	pCi/L	.37		R	pCi/L
Thorium-230	.84	+/- .54	R	pCi/L	.65		R	pCi/L	1.26	+/- .55	R	pCi/L
Thorium-232	.32		R	pCi/L	.38		R	pCi/L	.30		R	pCi/L
Uranium, Total	.10		UJ	ug/L	.10		UJ	ug/L	.20	+/- .02	J	ug/L
Uranium-233/234												
Uranium-234	.19	+/- .19	UJ	pCi/L	.14	+/- .16	UJ	pCi/L	.13	+/- .17	UJ	pCi/L
Uranium-235												
Uranium-235/236	.06	+/- .14	UJ	pCi/L	.07	+/- .11	UJ	pCi/L	-.02	+/- .08	UJ	pCi/L
Uranium-238	-.01	+/- .11	UJ	pCi/L	.08	+/- .1	UJ	pCi/L	.13	+/- .11	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	31A-011			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	2.10		UJ	pCi/L
Lead-210	2.10		UJ	pCi/L
Neptunium-237	.07		UJ	pCi/L
Plutonium-238	.15		UJ	pCi/L
Plutonium-239/240	.13		UJ	pCi/L
Plutonium-241				
Polonium-210	.19		UJ	pCi/L
Radium-226	.81		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L
Strontium-90	.26	+/- .12	-	pCi/L
Technetium-99	6.50		UJ	pCi/L
Thorium-227				
Thorium-228	.69	+/- .27	J	pCi/L
Thorium-230	.24		UJ	pCi/L
Thorium-232	.17		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L
Uranium-233/234				
Uranium-234	.17		UJ	pCi/L
Uranium-235				
Uranium-235/236	.07		UJ	pCi/L
Uranium-238	.17		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 32B - Building 32 Covered Loading Dock
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	32B-004R

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.80		UJ	pCi/L
Cesium-137	6.87		UJ	pCi/L
Lead-210	2.74		UJ	pCi/L
Neptunium-237	.21		UJ	pCi/L
Plutonium-238	.06		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L
Plutonium-241				
Polonium-210	.61		UJ	pCi/L
Radium-226	.36		UJ	pCi/L
Radium-228	.91		UJ	pCi/L
Strontium-90	.49		UJ	pCi/L
Technetium-99	12.80		UJ	pCi/L
Thorium-227				
Thorium-228	.25		UJ	pCi/L
Thorium-230	.24		UJ	pCi/L
Thorium-232	.11		UJ	pCi/L
Uranium, Total	.26	+/- .0141	-	ug/L
Uranium-233/234				
Uranium-234	.33		UJ	pCi/L
Uranium-235				
Uranium-235/236	.22		UJ	pCi/L
Uranium-238	.21		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				3			
Sample:	37-006R				37-008R				37-012R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.40		UJ	pCi/L	.90		UJ	pCi/L	.60		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L	1.20		UJ	pCi/L	1.60		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	1.40		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	-.03	+/- .09	UJ	pCi/L	-.03	+/- .16	UJ	pCi/L	-.03	+/- .18	UJ	pCi/L
Plutonium-238	.50		UJ	pCi/L	.40		UJ	pCi/L	.50		UJ	pCi/L
Plutonium-239/240	.30		UJ	pCi/L	.20		UJ	pCi/L	.20		UJ	pCi/L
Plutonium-241												
Polonium-210	3.90		UJ	pCi/L	5.20		R	pCi/L	1.50		UJ	pCi/L
Radium-226	.70	+/- .5	J	pCi/L	.50		UJ	pCi/L	.60		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L	2.20		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	1.90		UJ	pCi/L	3.10		UJ	pCi/L	1.50		UJ	pCi/L
Technetium-99	25.80		UJ	pCi/L	25.90		UJ	pCi/L	24.10		UJ	pCi/L
Thorium-227												
Thorium-228	.02	+/- .2217	UJ	pCi/L	.05	+/- .2125	UJ	pCi/L	.00	+/- .2473	UJ	pCi/L
Thorium-230	-2.18	+/- .66	UJ	pCi/L	-2.36	+/- .67	UJ	pCi/L	-2.30	+/- .68	UJ	pCi/L
Thorium-232	.15	+/- .1164	J	pCi/L	.01	+/- .1104	UJ	pCi/L	.04	+/- .1523	UJ	pCi/L
Uranium, Total	12.60	+/- 1.2	-	ug/L	.10		UJ	ug/L	.10		UJ	ug/L
Uranium-233/234												
Uranium-234	4.70	+/- .9435	J	pCi/L	-.14	+/- .1683	UJ	pCi/L	-.08	+/- .1964	UJ	pCi/L
Uranium-235												
Uranium-235/236	.27	+/- .1657	J	pCi/L	.01	+/- .1013	UJ	pCi/L	-.14	+/- .08294	UJ	pCi/L
Uranium-238	4.82	+/- .9561	J	pCi/L	-.01	+/- .1394	UJ	pCi/L	-.08	+/- .1341	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	4				4				5			
Sample:	37-016R				37-017R				37-019R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.40		UJ	pCi/L	1.00		UJ	pCi/L	.40	+/- .4	J	pCi/L
Cesium-137	1.40		UJ	pCi/L	1.30		UJ	pCi/L	1.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	-.03	+/- .09	UJ	pCi/L	.00	+/- .1	UJ	pCi/L	-.12	+/- .18	UJ	pCi/L
Plutonium-238	.40		UJ	pCi/L	.50		UJ	pCi/L	.60		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.20	+/- .2	J	pCi/L	.30		UJ	pCi/L
Plutonium-241												
Polonium-210	1.60		R	pCi/L	5.30		R	pCi/L	2.40		R	pCi/L
Radium-226	.70		UJ	pCi/L	.60		UJ	pCi/L	.60		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L	2.20		UJ	pCi/L	2.20		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L	2.60	+/- 1.8	J	pCi/L	1.60		UJ	pCi/L
Technetium-99	31.20		UJ	pCi/L	27.20		UJ	pCi/L	25.10		UJ	pCi/L
Thorium-227												
Thorium-228	.03	+/- .2667	UJ	pCi/L	.14	+/- .3266	UJ	pCi/L	.00	+/- .229	UJ	pCi/L
Thorium-230	-2.34	+/- .68	UJ	pCi/L	-2.29	+/- .7	UJ	pCi/L	-2.48	+/- .67	UJ	pCi/L
Thorium-232	-.03	+/- .162	UJ	pCi/L	.10	+/- .2292	UJ	pCi/L	.02	+/- .09305	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.10		UJ	ug/L	.10		UJ	ug/L
Uranium-233/234												
Uranium-234	-.43	+/- .3077	UJ	pCi/L	-.22	+/- .2446	UJ	pCi/L	.29	+/- .2696	UJ	pCi/L
Uranium-235												
Uranium-235/236	.00	+/- .184	UJ	pCi/L	-.15	+/- .1173	UJ	pCi/L	-.13	+/- .1195	UJ	pCi/L
Uranium-238	-.07	+/- .2525	UJ	pCi/L	.05	+/- .23	UJ	pCi/L	-.10	+/- .1793	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	6				7				7			
Sample:	37-024R				37-029R				37-032R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	1.40		UJ	pCi/L	.61		UJ	pCi/L
Cesium-137	4.70		UJ	pCi/L	1.20		UJ	pCi/L	3.25		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.40		UJ	pCi/L	2.29		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L	.06	+/- .14	UJ	pCi/L	.08		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L	.50		UJ	pCi/L	.27		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.20		UJ	pCi/L	.30		UJ	pCi/L
Plutonium-241												
Polonium-210	.60		UJ	pCi/L	1.30		UJ	pCi/L	.48		UJ	pCi/L
Radium-226	.40		UJ	pCi/L	.50	+/- .5	R	pCi/L	.31		UJ	pCi/L
Radium-228	2.70		UJ	pCi/L	2.10		UJ	pCi/L	.90		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L	3.40	+/- 1.9	J	pCi/L	.50		UJ	pCi/L
Technetium-99	26.80	+/- 21	J	pCi/L	26.80		UJ	pCi/L	12.40		UJ	pCi/L
Thorium-227												
Thorium-228	-.37	+/- .4	UJ	pCi/L	.01	+/- .1976	UJ	pCi/L	.44		UJ	pCi/L
Thorium-230	-.63	+/- .57	UJ	pCi/L	-2.45	+/- .69	UJ	pCi/L	.72	+/- .313	J	pCi/L
Thorium-232	-.26	+/- .21	UJ	pCi/L	-.03	+/- .08678	UJ	pCi/L	.19		UJ	pCi/L
Uranium, Total	.40	+/- .03	J	ug/L	.10		UJ	ug/L	.34	+/- .0198	-	ug/L
Uranium-233/234												
Uranium-234	.08	+/- .26	UJ	pCi/L	-.10	+/- .1992	UJ	pCi/L	.38		UJ	pCi/L
Uranium-235	-.01	+/- .12	UJ	pCi/L								
Uranium-235/236					-.02	+/- .0936	UJ	pCi/L	.26		UJ	pCi/L
Uranium-238	.29	+/- .2	J	pCi/L	.01	+/- .143	UJ	pCi/L	.25		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				2			
Sample:	39A-009				39A-012				39A-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/L	.10		UJ	pCi/L	.15		UJ	pCi/L
Cesium-137	6.90		UJ	pCi/L	7.70		UJ	pCi/L	6.30		UJ	pCi/L
Lead-210	92.00		UJ	pCi/L	300.00	+/- 100	-	pCi/L	86.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L	.10		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.07		UJ	pCi/L	.03		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L	.05		UJ	pCi/L	.07		UJ	pCi/L
Plutonium-241					2.00		UJ	pCi/L				
Polonium-210	.15		UJ	pCi/L	.12		UJ	pCi/L	.11		UJ	pCi/L
Radium-226	.19		UJ	pCi/L	.10		UJ	pCi/L	.23		UJ	pCi/L
Radium-228	1.90		UJ	pCi/L	1.80		UJ	pCi/L	2.20		UJ	pCi/L
Strontium-90	.89		UJ	pCi/L	.78		UJ	pCi/L	.83		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.06		UJ	pCi/L	.06		UJ	pCi/L	.06		UJ	pCi/L
Thorium-230	.13		UJ	pCi/L	.09		UJ	pCi/L	.13		UJ	pCi/L
Thorium-232	.03		UJ	pCi/L	.04		UJ	pCi/L	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L	.24		UJ	ug/L	.39		UJ	ug/L
Uranium-233/234												
Uranium-234	.08		UJ	pCi/L	.14		UJ	pCi/L	.06		UJ	pCi/L
Uranium-235												
Uranium-235/236	.05		UJ	pCi/L	.04		UJ	pCi/L	.06		UJ	pCi/L
Uranium-238	.07		UJ	pCi/L	.14		UJ	pCi/L	.08		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	3			
Sample:	39A-027			
	RESULT	+/-TPU	VQ	UNITS
adionuclides				
Americium-241	.15	+/- 1.1	J	pCi/L
Cesium-137	6.10		UJ	pCi/L
Lead-210	86.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.07		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241	-43.00	+/- 5.7	UJ	pCi/L
Polonium-210	.12		UJ	pCi/L
Radium-226	.09		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	.84		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.23		UJ	pCi/L
Thorium-230	.15		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L
Uranium, Total	1.50	+/- .3	-	ug/L
Uranium-233/234				
Uranium-234	.11		UJ	pCi/L
Uranium-235				
Uranium-235/236	.07		UJ	pCi/L
Uranium-238	.15		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	39B-008

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	1.90	+/- 1.9	R	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	3.00		UJ	pCi/L
Strontium-90	1.80	+/- 1.6	J	pCi/L
Technetium-99	36.20		UJ	pCi/L
Thorium-227				
Thorium-228	.54		R	pCi/L
Thorium-230	.58	+/- .49	R	pCi/L
Thorium-232	.32		R	pCi/L
Uranium, Total	1.00	+/- .1	J	ug/L
Uranium-233/234				
Uranium-234	.31	+/- .18	J	pCi/L
Uranium-235				
Uranium-235/236	.02	+/- .1	UJ	pCi/L
Uranium-238	.47	+/- .17	J	pCi/L

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant Incinerator
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	39D-006R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.60		R	pCi/L
Cesium-137	1.40		UJ	pCi/L
Lead-210	.60		UJ	pCi/L
Neptunium-237	-.10	+/- .1037	UJ	pCi/L
Plutonium-238	.02	+/- .4116	UJ	pCi/L
Plutonium-239/240	.17	+/- .2508	UJ	pCi/L
Plutonium-241				
Polonium-210	2.10		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.40		UJ	pCi/L
Strontium-90	2.70		UJ	pCi/L
Technetium-99	25.20		UJ	pCi/L
Thorium-227				
Thorium-228	.07	+/- .276	UJ	pCi/L
Thorium-230	.10	+/- .429	UJ	pCi/L
Thorium-232	-.05	+/- .2145	UJ	pCi/L
Uranium, Total	.20	+/- 0	J	ug/L
Uranium-233/234				
Uranium-234	.10	+/- .2957	UJ	pCi/L
Uranium-235	-.13	+/- .17	UJ	pCi/L
Uranium-235/236				
Uranium-238	.00	+/- .1469	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	45A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.60		UJ	pCi/L
Lead-210	94.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.21		UJ	pCi/L
Radium-226	.18		UJ	pCi/L
Radium-228	2.90	+/- 1.7	J	pCi/L
Strontium-90	2.20	+/- .84	J	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07		UJ	pCi/L
Thorium-230	.13		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.06		UJ	pCi/L
Uranium-235				
Uranium-235/236	.06		UJ	pCi/L
Uranium-238	.14	+/- .69	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 45B - Utility Shed East of Rust Trailers
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	45B-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.05		UJ	pCi/L
Cesium-137	2.60	+/- 2	J	pCi/L
Lead-210	8.60		UJ	pCi/L
Neptunium-237	.17		UJ	pCi/L
Plutonium-238	.23		UJ	pCi/L
Plutonium-239/240	.21		UJ	pCi/L
Plutonium-241				
Polonium-210	2.30		UJ	pCi/L
Radium-226	.79		UJ	pCi/L
Radium-228	.98		UJ	pCi/L
Strontium-90	2.90	+/- .64	-	pCi/L
Technetium-99	10.00		UJ	pCi/L
Thorium-227				
Thorium-228	.20		UJ	pCi/L
Thorium-230	.19		UJ	pCi/L
Thorium-232	.13		UJ	pCi/L
Uranium, Total	.57	+/- .015	-	ug/L
Uranium-233/234				
Uranium-234	.63	+/- .2	J	pCi/L
Uranium-235				
Uranium-235/236	.06	+/- .057	J	pCi/L
Uranium-238	.64	+/- .2	J	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE			
Process Area:	1				1			
Sample:	46-008				46-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.19		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L	2.10		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	2.20		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L	.09		UJ	pCi/L
Plutonium-238	.20		UJ	pCi/L	.15		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.14		UJ	pCi/L
Plutonium-241								
Polonium-210	.60		UJ	pCi/L	.53		UJ	pCi/L
Radium-226	.50		UJ	pCi/L	.71		UJ	pCi/L
Radium-228	2.50		UJ	pCi/L	1.10		UJ	pCi/L
Strontium-90	1.20		UJ	pCi/L	.19		UJ	pCi/L
Technetium-99	33.30		UJ	pCi/L	10.00		UJ	pCi/L
Thorium-227								
Thorium-228	1.09		R	pCi/L	.28		UJ	pCi/L
Thorium-230	1.44	+/- .83	R	pCi/L	.24		UJ	pCi/L
Thorium-232	.46		R	pCi/L	.20		UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.85		UJ	ug/L
Uranium-233/234								
Uranium-234	.24	+/- .17	J	pCi/L	.22		UJ	pCi/L
Uranium-235								
Uranium-235/236	.07	+/- .1	UJ	pCi/L	.10		UJ	pCi/L
Uranium-238	.16	+/- .11	J	pCi/L	.21		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 53A - Health & Safety Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	2			
Sample:	53A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.12		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L
Lead-210	3.30		UJ	pCi/L
Neptunium-237	.98		UJ	pCi/L
Plutonium-238	.93		UJ	pCi/L
Plutonium-239/240	.87		UJ	pCi/L
Plutonium-241				
Polonium-210	.59		UJ	pCi/L
Radium-226	.90	+/- .39	-	pCi/L
Radium-228	2.70	+/- 1.2	-	pCi/L
Strontium-90	16.00	+/- 16	J	pCi/L
Technetium-99	10.00		UJ	pCi/L
Thorium-227				
Thorium-228	1.40		UJ	pCi/L
Thorium-230	1.90		UJ	pCi/L
Thorium-232	.53		UJ	pCi/L
Uranium, Total	.09		UJ	ug/L
Uranium-233/234				
Uranium-234	.09	+/- .086	J	pCi/L
Uranium-235				
Uranium-235/236	.07		UJ	pCi/L
Uranium-238	.09		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				2				2			
Sample:	54A-004				54A-009				54A-012			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.15		UJ	pCi/L	.15		UJ	pCi/L	.25		UJ	pCi/L
Cesium-137	6.50		UJ	pCi/L	6.60		UJ	pCi/L	6.40		UJ	pCi/L
Lead-210	180.00	+/- 72	-	pCi/L	87.00		UJ	pCi/L	200.00	+/- 80	J	pCi/L
Neptunium-237	.10		UJ	pCi/L	.10		UJ	pCi/L	.18		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.05		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L	.08		UJ	pCi/L	.09		UJ	pCi/L
Plutonium-241	-7.70	+/- 3.5	UJ	pCi/L	12.00	+/- 4.1	-	pCi/L				
Polonium-210	.11		UJ	pCi/L	.16		UJ	pCi/L	.10		UJ	pCi/L
Radium-226	.08	+/- .084	J	pCi/L	.10	+/- .088	J	pCi/L	.09		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L	1.60		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	.78		UJ	pCi/L	1.00		UJ	pCi/L	.88		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.25		UJ	pCi/L	.23		UJ	pCi/L	.70		UJ	pCi/L
Thorium-230	.17		UJ	pCi/L	.15		UJ	pCi/L	.35		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Uranium, Total	.44	+/- .06	-	ug/L	.24		UJ	ug/L	.27		UJ	ug/L
Uranium-233/234												
Uranium-234	.13		UJ	pCi/L	.12		UJ	pCi/L	.12		UJ	pCi/L
Uranium-235												
Uranium-235/236	.08		UJ	pCi/L	.08		UJ	pCi/L	.04	+/- .82	J	pCi/L
Uranium-238	.16		UJ	pCi/L	.16		UJ	pCi/L	.08		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	3				4				5			
Sample:	54A-014				54A-020				54A-025			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/L	.15		UJ	pCi/L	.15		UJ	pCi/L
Cesium-137	6.40		UJ	pCi/L	6.30		UJ	pCi/L	6.20		UJ	pCi/L
Lead-210	86.00		UJ	pCi/L	91.00		UJ	pCi/L	87.00		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L	.10		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-238	.07		UJ	pCi/L	.05		UJ	pCi/L	.04		UJ	pCi/L
Plutonium-239/240	.08		UJ	pCi/L	.07		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-241	2.50	+/- 3.5	UJ	pCi/L	-2.50	+/- 3.1	UJ	pCi/L	5.20	+/- 3.8	-	pCi/L
Polonium-210	.14		UJ	pCi/L	.11		UJ	pCi/L	.09		UJ	pCi/L
Radium-226	.09		UJ	pCi/L	.09		UJ	pCi/L	.09		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L	1.50		UJ	pCi/L	1.50		UJ	pCi/L
Strontium-90	.83		UJ	pCi/L	.76		UJ	pCi/L	.93		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.24		UJ	pCi/L	.25		UJ	pCi/L	.23		UJ	pCi/L
Thorium-230	.15		UJ	pCi/L	.16		UJ	pCi/L	.15		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.07		UJ	pCi/L	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L	.66	+/- .1	-	ug/L	3.20	+/- .6	-	ug/L
Uranium-233/234												
Uranium-234	.24	+/- .58	J	pCi/L	.66	+/- .76	J	pCi/L	.20	+/- .62	J	pCi/L
Uranium-235												
Uranium-235/236	.06		UJ	pCi/L	.10	+/- .91	J	pCi/L	.09		UJ	pCi/L
Uranium-238	.14		UJ	pCi/L	.35	+/- .76	J	pCi/L	.15		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	6				7				8			
Sample:	54A-028				54A-034				54A-039			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.14		UJ	pCi/L	.15		UJ	pCi/L	.14		UJ	pCi/L
Cesium-137	6.30		UJ	pCi/L	6.90		UJ	pCi/L	6.50		UJ	pCi/L
Lead-210	90.00		UJ	pCi/L	94.00		UJ	pCi/L	210.00	+/- 76	-	pCi/L
Neptunium-237	.09		UJ	pCi/L	.11		UJ	pCi/L	.11		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.04		UJ	pCi/L	.06		UJ	pCi/L
Plutonium-239/240	.09		UJ	pCi/L	.06		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-241	-7.80	+/- 4.1	UJ	pCi/L					9.70	+/- 4	-	pCi/L
Polonium-210	.09		UJ	pCi/L	.22		UJ	pCi/L	.13		UJ	pCi/L
Radium-226	.09		UJ	pCi/L	.41	+/- .25	J	pCi/L	.10		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L	1.70		UJ	pCi/L	1.70		UJ	pCi/L
Strontium-90	.87		UJ	pCi/L	.81		UJ	pCi/L	1.10		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L	13.00		UJ	pCi/L	13.00		UJ	pCi/L
Thorium-227												
Thorium-228	.22		UJ	pCi/L	.06		UJ	pCi/L	.24		UJ	pCi/L
Thorium-230	.15		UJ	pCi/L	.13		UJ	pCi/L	.17		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L	.03	+/- .53	J	pCi/L	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L	.39		UJ	ug/L	.45	+/- .06	-	ug/L
Uranium-233/234												
Uranium-234	.13		UJ	pCi/L	.13	+/- .69	J	pCi/L	.14		UJ	pCi/L
Uranium-235												
Uranium-235/236	.08		UJ	pCi/L	.05		UJ	pCi/L	.08		UJ	pCi/L
Uranium-238	.16		UJ	pCi/L	.07		UJ	pCi/L	.18		UJ	pCi/L

001200

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 54B - Pilot Plant Shelter
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	54B-003

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.50		R	pCi/L
Cesium-137	1.20		UJ	pCi/L
Lead-210	.70		UJ	pCi/L
Neptunium-237	-.05	+/- .0819	UJ	pCi/L
Plutonium-238	-.10	+/- .3213	UJ	pCi/L
Plutonium-239/240	-.02	+/- .1647	UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.60		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	2.50		UJ	pCi/L
Technetium-99	26.20		UJ	pCi/L
Thorium-227				
Thorium-228	.06	+/- .2597	UJ	pCi/L
Thorium-230	.39	+/- .4251	UJ	pCi/L
Thorium-232	.05	+/- .179	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.33	+/- .2533	UJ	pCi/L
Uranium-235	-.11	+/- .13	UJ	pCi/L
Uranium-235/236				
Uranium-238	-.12	+/- .1117	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator Shelter
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	54C-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.50		UJ	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	.70		UJ	pCi/L
Neptunium-237	.04	+/- .1259	UJ	pCi/L
Plutonium-238	.06	+/- .4631	UJ	pCi/L
Plutonium-239/240	.35	+/- .3372	UJ	pCi/L
Plutonium-241				
Polonium-210	2.10		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.20		UJ	pCi/L
Technetium-99	25.30		UJ	pCi/L
Thorium-227				
Thorium-228	.08	+/- .2369	UJ	pCi/L
Thorium-230	.03	+/- .3816	UJ	pCi/L
Thorium-232	.01	+/- .1791	UJ	pCi/L
Uranium, Total	.20	+/- 0	J	ug/L
Uranium-233/234				
Uranium-234	.19	+/- .315	UJ	pCi/L
Uranium-235	.03	+/- .18	UJ	pCi/L
Uranium-235/236				
Uranium-238	.07	+/- .1634	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55A - Slag Recycling Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	55A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14	+/- 1.2	UJ	pCi/L
Cesium-137	8.00	+/- 4.6	UJ	pCi/L
Lead-210	300.00	+/- 100	-	pCi/L
Neptunium-237	.13	+/- .099	UJ	pCi/L
Plutonium-238	.08	+/- .51	UJ	pCi/L
Plutonium-239/240	.08	+/- .51	UJ	pCi/L
Plutonium-241				
Polonium-210	.16	+/- .98	UJ	pCi/L
Radium-226	.12	+/- .078	UJ	pCi/L
Radium-228	1.80	+/- 1.1	UJ	pCi/L
Strontium-90	.85	+/- .49	UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.07	+/- .63	UJ	pCi/L
Thorium-230	.14	+/- .65	UJ	pCi/L
Thorium-232	.06	+/- .63	UJ	pCi/L
Uranium, Total	.38	+/- .08	UJ	ug/L
Uranium-233/234				
Uranium-234	.10	+/- .69	UJ	pCi/L
Uranium-235				
Uranium-235/236	.09	+/- .85	UJ	pCi/L
Uranium-238	.18	+/- .69	J	pCi/L

001203

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	55B-007

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.00		R	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	.70		UJ	pCi/L
Neptunium-237	.07	+/- .1662	UJ	pCi/L
Plutonium-238	.03	+/- .3433	UJ	pCi/L
Plutonium-239/240	-.06	+/- .2147	UJ	pCi/L
Plutonium-241				
Polonium-210	2.60		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	1.80	+/- 1.4	J	pCi/L
Strontium-90	2.50		UJ	pCi/L
Technetium-99	25.90		UJ	pCi/L
Thorium-227				
Thorium-228	.13	+/- .2644	UJ	pCi/L
Thorium-230	-.09	+/- .3974	UJ	pCi/L
Thorium-232	.05	+/- .1867	UJ	pCi/L
Uranium, Total	.70	+/- .1	J	ug/L
Uranium-233/234				
Uranium-234	-.28	+/- .4774	UJ	pCi/L
Uranium-235	.03	+/- .4	UJ	pCi/L
Uranium-235/236				
Uranium-238	-.07	+/- .3305	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 56A - CP Storage Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	56A-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.22		UJ	pCi/L
Cesium-137	1.80		UJ	pCi/L
Lead-210	3.10		UJ	pCi/L
Neptunium-237	.27		UJ	pCi/L
Plutonium-238	15.00	+/- 12	J	pCi/L
Plutonium-239/240	8.70	+/- 7.1	J	pCi/L
Plutonium-241	4.00	+/- 1.5	J	pCi/L
Polonium-210	.65		UJ	pCi/L
Radium-226	.45		UJ	pCi/L
Radium-228	.88		UJ	pCi/L
Strontium-90	.31		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	.39		UJ	pCi/L
Thorium-230	.53		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L
Uranium, Total	.11	+/- .0033	-	ug/L
Uranium-233/234				
Uranium-234	.17		UJ	pCi/L
Uranium-235				
Uranium-235/236	.11		UJ	pCi/L
Uranium-238	.18		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	62-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	7.60		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	-.01	+/- .1	UJ	pCi/L
Plutonium-238	-.04	+/- .2	UJ	pCi/L
Plutonium-239/240	.04	+/- .07	UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.50	+/- .6	J	pCi/L
Radium-228	3.90	+/- 2.8	J	pCi/L
Strontium-90	5.30	+/- 2.1	J	pCi/L
Technetium-99	25.10		UJ	pCi/L
Thorium-227				
Thorium-228	.13	+/- .27	UJ	pCi/L
Thorium-230	.29	+/- .61	UJ	pCi/L
Thorium-232	.24	+/- .27	UJ	pCi/L
Uranium, Total	.30	+/- .03	J	ug/L
Uranium-233/234				
Uranium-234	.08	+/- .21	UJ	pCi/L
Uranium-235	-.01	+/- .1	UJ	pCi/L
Uranium-235/236				
Uranium-238	.19	+/- .14	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 63 - KC-2 Warehouse
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	63-004				63-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.13		UJ	pCi/L	.15		UJ	pCi/L
Cesium-137	10.00		UJ	pCi/L	2.00		UJ	pCi/L
Lead-210	3.10		UJ	pCi/L	2.30		UJ	pCi/L
Neptunium-237	.09		UJ	pCi/L	.17		UJ	pCi/L
Plutonium-238	.14		UJ	pCi/L	.16		UJ	pCi/L
Plutonium-239/240	.12		UJ	pCi/L	.13		UJ	pCi/L
Plutonium-241								
Polonium-210	.50		UJ	pCi/L	.63		UJ	pCi/L
Radium-226	1.30	+/- .43	-	pCi/L	1.10	+/- .56	J	pCi/L
Radium-228	.99		UJ	pCi/L	1.10		UJ	pCi/L
Strontium-90	.24		UJ	pCi/L	.15		UJ	pCi/L
Technetium-99	7.90		UJ	pCi/L	6.70		UJ	pCi/L
Thorium-227								
Thorium-228	.18		UJ	pCi/L	.18		UJ	pCi/L
Thorium-230	.18		UJ	pCi/L	.17		UJ	pCi/L
Thorium-232	.15		UJ	pCi/L	.12		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L	.85		UJ	ug/L
Uranium-233/234								
Uranium-234	8.20	+/- .55	J	pCi/L	.18		UJ	pCi/L
Uranium-235								
Uranium-235/236	.24	+/- .12	J	pCi/L	.10		UJ	pCi/L
Uranium-238	8.00	+/- .54	J	pCi/L	.17		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 64 - Thorium Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	64-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	8.70		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L
Plutonium-241				
Polonium-210	.90		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	4.60		UJ	pCi/L
Strontium-90	1.90		UJ	pCi/L
Technetium-99	25.20		UJ	pCi/L
Thorium-227				
Thorium-228	-.11	+/- .31	UJ	pCi/L
Thorium-230	-.63	+/- .5	UJ	pCi/L
Thorium-232	-.06	+/- .2	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.14	+/- .2	UJ	pCi/L
Uranium-235	-.05	+/- .12	UJ	pCi/L
Uranium-235/236				
Uranium-238	-.01	+/- .1	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				2				3			
Sample:	66-004				66-011				66-013			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60		UJ	pCi/L	.97		UJ	pCi/L	.13		UJ	pCi/L
Cesium-137	4.99		UJ	pCi/L	7.63		UJ	pCi/L	1.80		UJ	pCi/L
Lead-210	2.64		UJ	pCi/L	2.65		UJ	pCi/L	2.20		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L	.10		UJ	pCi/L	.08		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L	.29		UJ	pCi/L	.19		UJ	pCi/L
Plutonium-239/240	.05		UJ	pCi/L	.31		UJ	pCi/L	.16		UJ	pCi/L
Plutonium-241												
Polonium-210	.44	+/- .318	J	pCi/L	.65		UJ	pCi/L	.60		UJ	pCi/L
Radium-226	.48	+/- .315	J	pCi/L	.30		UJ	pCi/L	.46		UJ	pCi/L
Radium-228	.97		UJ	pCi/L	1.04		UJ	pCi/L	.92		UJ	pCi/L
Strontium-90	.52		UJ	pCi/L	.47		UJ	pCi/L	.17		UJ	pCi/L
Technetium-99	12.60		UJ	pCi/L	12.80		UJ	pCi/L	16.00	+/- 5.6	J	pCi/L
Thorium-227												
Thorium-228	.23		UJ	pCi/L	.30		UJ	pCi/L	.33		UJ	pCi/L
Thorium-230	.35		UJ	pCi/L	.49	+/- .244	J	pCi/L	.25		UJ	pCi/L
Thorium-232	.16		UJ	pCi/L	.13		UJ	pCi/L	.14		UJ	pCi/L
Uranium, Total	3.97	+/- .214	-	ug/L	.35	+/- .0192	-	ug/L	.85		UJ	ug/L
Uranium-233/234												
Uranium-234	.38		UJ	pCi/L	.43		UJ	pCi/L	.15		UJ	pCi/L
Uranium-235												
Uranium-235/236	.25		UJ	pCi/L	.29		UJ	pCi/L	.06		UJ	pCi/L
Uranium-238	.27		UJ	pCi/L	.29		UJ	pCi/L	.16		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	3				4			
Sample:	66-018				66-021			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.16		UJ	pCi/L	.17		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L	1.70		UJ	pCi/L
Lead-210	2.20		UJ	pCi/L	2.70		UJ	pCi/L
Neptunium-237	.09		UJ	pCi/L	.09		UJ	pCi/L
Plutonium-238	.13		UJ	pCi/L	.15	+/- .17	J	pCi/L
Plutonium-239/240	.12		UJ	pCi/L	.13		UJ	pCi/L
Plutonium-241								
Polonium-210	2.20		UJ	pCi/L	.58		UJ	pCi/L
Radium-226	.78		UJ	pCi/L	.47		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L	1.20	+/- 1.2	J	pCi/L
Strontium-90	.18		UJ	pCi/L	.17		UJ	pCi/L
Technetium-99	28.00	+/- 6.6	J	pCi/L	6.50	+/- 5.1	J	pCi/L
Thorium-227								
Thorium-228	.25		UJ	pCi/L	.16		UJ	pCi/L
Thorium-230	.22		UJ	pCi/L	.21		UJ	pCi/L
Thorium-232	.17		UJ	pCi/L	.14		UJ	pCi/L
Uranium, Total	.85		UJ	ug/L	.85		UJ	ug/L
Uranium-233/234								
Uranium-234	.17		UJ	pCi/L	.16		UJ	pCi/L
Uranium-235								
Uranium-235/236	.06		UJ	pCi/L	.06		UJ	pCi/L
Uranium-238	.17		UJ	pCi/L	.17		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 67 - Plant 1 Thorium Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	67-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.11		UJ	pCi/L
Cesium-137	6.90		UJ	pCi/L
Lead-210	4.70		UJ	pCi/L
Neptunium-237	.69		UJ	pCi/L
Plutonium-238	.15		UJ	pCi/L
Plutonium-239/240	.09	+/- .0707	J	pCi/L
Plutonium-241				
Polonium-210	.66		UJ	pCi/L
Radium-226	.39	+/- .346	J	pCi/L
Radium-228	2.70	+/- 1.19	-	pCi/L
Strontium-90	.79		UJ	pCi/L
Technetium-99	5.45		UJ	pCi/L
Thorium-227				
Thorium-228	2.07	+/- .547	-	pCi/L
Thorium-230	1.80	+/- .566	-	pCi/L
Thorium-232	.74	+/- .241	-	pCi/L
Uranium, Total	2.86	+/- .153	-	ug/L
Uranium-233/234				
Uranium-234	.28		UJ	pCi/L
Uranium-235				
Uranium-235/236	.18		UJ	pCi/L
Uranium-238	.28		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 68 - Pilot Plant Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	68-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.10		UJ	pCi/L
Cesium-137	2.20		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239/240	.60		UJ	pCi/L
Plutonium-241				
Polonium-210	1.60		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.00		UJ	pCi/L
Strontium-90	3.00	+/- 2.6	J	pCi/L
Technetium-99	12.60		UJ	pCi/L
Thorium-227				
Thorium-228	-.13	+/- .3432	UJ	pCi/L
Thorium-230	-.13	+/- .3326	UJ	pCi/L
Thorium-232	-.11	+/- .2714	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	-.23	+/- .4379	UJ	pCi/L
Uranium-235				
Uranium-235/236	.05	+/- .2916	UJ	pCi/L
Uranium-238	.00	+/- .2537	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	69-010			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	4.10		UJ	pCi/L
Lead-210	1.60		UJ	pCi/L
Neptunium-237	.06	+/- .0682	UJ	pCi/L
Plutonium-238	.05	+/- .2382	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.70		UJ	pCi/L
Radium-226	.70	+/- .8	R	pCi/L
Radium-228	2.00		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	35.80		UJ	pCi/L
Thorium-227				
Thorium-228	.42	+/- 1.12	J	pCi/L
Thorium-230	-.33	+/- .96	UJ	pCi/L
Thorium-232	.33	+/- .66	UJ	pCi/L
Uranium, Total	10.10	+/- 1	-	ug/L
Uranium-233/234				
Uranium-234	4.94	+/- .98	J	pCi/L
Uranium-235	1.12	+/- .41	J	pCi/L
Uranium-235/236				
Uranium-238	3.92	+/- .78	J	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 71 - General In-Process Warehouse
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	1				2			
Sample:	71-002				71-006			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	7.60		UJ	pCi/L	12.00		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	1.50		UJ	pCi/L
Neptunium-237	.04	+/- .0601	UJ	pCi/L	.03	+/- .0764	UJ	pCi/L
Plutonium-238	-.07	+/- .2324	UJ	pCi/L	-.10	+/- .214	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-241								
Polonium-210	.40		UJ	pCi/L	.30		UJ	pCi/L
Radium-226	.60		UJ	pCi/L	.60	+/- .6	J	pCi/L
Radium-228	2.40	+/- 2.2	J	pCi/L	2.30	+/- 2.1	J	pCi/L
Strontium-90	1.90	+/- 2	R	pCi/L	1.80	+/- 2	R	pCi/L
Technetium-99	34.50		UJ	pCi/L	39.80		UJ	pCi/L
Thorium-227								
Thorium-228	.21	+/- .39	UJ	pCi/L	-.02	+/- .3	UJ	pCi/L
Thorium-230	-.17	+/- .68	UJ	pCi/L	-.42	+/- .66	UJ	pCi/L
Thorium-232	-.17	+/- .27	UJ	pCi/L	-.04	+/- .24	UJ	pCi/L
Uranium, Total	.40	+/- .03	-	ug/L	.10		UJ	ug/L
Uranium-233/234								
Uranium-234	.95	+/- .5	J	pCi/L	1.00	+/- .49	J	pCi/L
Uranium-235	.72	+/- .35	J	pCi/L	.65	+/- .33	J	pCi/L
Uranium-235/236								
Uranium-238	.48	+/- .31	J	pCi/L	.49	+/- .3	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74A-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.20		R	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.10		UJ	pCi/L
Neptunium-237	.30		R	pCi/L
Plutonium-238	1.10		R	pCi/L
Plutonium-239/240	.50		R	pCi/L
Plutonium-241			R	pCi/L
Polonium-210	3.10		R	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	2.00		UJ	pCi/L
Technetium-99	35.80		UJ	pCi/L
Thorium-227				
Thorium-228	2.20		R	pCi/L
Thorium-230	1.00		R	pCi/L
Thorium-232	.70		R	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	.30		R	pCi/L
Uranium-235				
Uranium-235/236	.20		R	pCi/L
Uranium-238	.20	+/- .2	R	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74B - Plant 2 West Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74B-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	3.40		R	pCi/L
Cesium-137	1.40		UJ	pCi/L
Lead-210	1.00		UJ	pCi/L
Neptunium-237	.30		R	pCi/L
Plutonium-238	1.80		R	pCi/L
Plutonium-239/240	.90		R	pCi/L
Plutonium-241			R	pCi/L
Polonium-210	.80		R	pCi/L
Radium-226	.30		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	71.30		UJ	pCi/L
Thorium-227				
Thorium-228	4.00		R	pCi/L
Thorium-230	2.30		R	pCi/L
Thorium-232	2.60		R	pCi/L
Uranium, Total	.30	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	3.40	+/- .7	R	pCi/L
Uranium-235				
Uranium-235/236	.20	+/- .2	R	pCi/L
Uranium-238	2.50	+/- .6	R	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74C-005			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.04		UJ	pCi/L
Cesium-137	8.63		UJ	pCi/L
Lead-210	2.22		UJ	pCi/L
Neptunium-237	.15		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.04		UJ	pCi/L
Plutonium-241				
Polonium-210	.42	+/- .286	J	pCi/L
Radium-226	.48		UJ	pCi/L
Radium-228	1.62		UJ	pCi/L
Strontium-90	.49		UJ	pCi/L
Technetium-99	12.60		UJ	pCi/L
Thorium-227				
Thorium-228	.18		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.09		UJ	pCi/L
Uranium, Total	.11	+/- .00795	-	ug/L
Uranium-233/234				
Uranium-234	.31		UJ	pCi/L
Uranium-235				
Uranium-235/236	.17		UJ	pCi/L
Uranium-238	.24		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74D-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.00		UJ	pCi/L
Cesium-137	8.42		UJ	pCi/L
Lead-210	2.48		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.46		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L
Strontium-90	.51		UJ	pCi/L
Technetium-99	12.70		UJ	pCi/L
Thorium-227				
Thorium-228	.25		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.08		UJ	pCi/L
Uranium, Total	.05	+/- .00344	-	ug/L
Uranium-233/234				
Uranium-234	.32		UJ	pCi/L
Uranium-235				
Uranium-235/236	.18		UJ	pCi/L
Uranium-238	.23		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74E - Plant 4 Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74E-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.09		UJ	pCi/L
Cesium-137	8.37		UJ	pCi/L
Lead-210	2.30		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.24		UJ	pCi/L
Plutonium-239/240	.22		UJ	pCi/L
Plutonium-241				
Polonium-210	.43	+/- .253	J	pCi/L
Radium-226	.51		UJ	pCi/L
Radium-228	1.19		UJ	pCi/L
Strontium-90	.49		UJ	pCi/L
Technetium-99	12.70		UJ	pCi/L
Thorium-227				
Thorium-228	.17		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.06	+/- .0471	J	pCi/L
Uranium, Total	.20	+/- .0126	-	ug/L
Uranium-233/234				
Uranium-234	.31		UJ	pCi/L
Uranium-235				
Uranium-235/236	.16		UJ	pCi/L
Uranium-238	.21		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74F - Plant 7 Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74F-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	4.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.20		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	2.60		UJ	pCi/L
Strontium-90	4.20	+/- 2.2	J	pCi/L
Technetium-99	24.30		UJ	pCi/L
Thorium-227				
Thorium-228	.14	+/- .32	UJ	pCi/L
Thorium-230	-.24	+/- .55	UJ	pCi/L
Thorium-232	.00	+/- .23	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.13	+/- .19	UJ	pCi/L
Uranium-235	-.05	+/- .09	UJ	pCi/L
Uranium-235/236				
Uranium-238	.06	+/- .11	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE			
Process Area:	1				1			
Sample:	74G-004				74G-007			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
adionuclides								
Americium-241	1.30		UJ	pCi/L	1.50		UJ	pCi/L
Cesium-137	8.44		UJ	pCi/L	8.96		UJ	pCi/L
Lead-210	3.90		UJ	pCi/L	4.08		UJ	pCi/L
Neptunium-237	.54		UJ	pCi/L	.94		UJ	pCi/L
Plutonium-238	.21		UJ	pCi/L	.24		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.13		UJ	pCi/L
Plutonium-241								
Polonium-210	.65		UJ	pCi/L	1.06		UJ	pCi/L
Radium-226	.34		UJ	pCi/L	.59		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L	1.26		UJ	pCi/L
Strontium-90	.78		UJ	pCi/L	.85		UJ	pCi/L
Technetium-99	17.00	+/- 5.45	J	pCi/L	8.13	+/- 4.91	J	pCi/L
Thorium-227								
Thorium-228	.43		UJ	pCi/L	.27	+/- .39	J	pCi/L
Thorium-230	1.62	+/- .556	-	pCi/L	.31		UJ	pCi/L
Thorium-232	.49	+/- .214	-	pCi/L	.12		UJ	pCi/L
Uranium, Total	1.27	+/- .0682	-	ug/L	3.17	+/- .17	-	ug/L
Uranium-233/234								
Uranium-234	21.40	+/- 6.37	J	pCi/L	.39	+/- .152	J	pCi/L
Uranium-235								
Uranium-235/236	7.38	+/- 3.72	J	pCi/L	.17	+/- .083	-	pCi/L
Uranium-238	20.20	+/- 5.67	J	pCi/L	.36	+/- .127	J	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74H - Plant 5 South Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74H-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.11		UJ	pCi/L
Cesium-137	7.51		UJ	pCi/L
Lead-210	1.97		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L
Plutonium-241				
Polonium-210	.21		UJ	pCi/L
Radium-226	.43		UJ	pCi/L
Radium-228	1.20		UJ	pCi/L
Strontium-90	.47		UJ	pCi/L
Technetium-99	12.80		UJ	pCi/L
Thorium-227				
Thorium-228	.18		UJ	pCi/L
Thorium-230	.13		UJ	pCi/L
Thorium-232	.05		UJ	pCi/L
Uranium, Total	.23	+/- .0148	-	ug/L
Uranium-233/234				
Uranium-234	.30		UJ	pCi/L
Uranium-235				
Uranium-235/236	.17		UJ	pCi/L
Uranium-238	.19		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74J - Plant 6 Pads
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74J-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.60		UJ	pCi/L
Lead-210	88.00		UJ	pCi/L
Neptunium-237	.18	+/- .11	J	pCi/L
Plutonium-238	.03		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.12		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	1.70	+/- .72	J	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	3.40		UJ	pCi/L
Thorium-230	11.00	+/- 33	J	pCi/L
Thorium-232	12.00	+/- 32	J	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.07		UJ	pCi/L
Uranium-235				
Uranium-235/236	790.00	+/- .82	J	pCi/L
Uranium-238	.06		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74K - Plant 9 Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74K-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.14		UJ	pCi/L
Cesium-137	7.10		UJ	pCi/L
Lead-210	310.00	+/- 100	-	pCi/L
Neptunium-237	.12		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L
Plutonium-239/240	.07		UJ	pCi/L
Plutonium-241				
Polonium-210	.16		UJ	pCi/L
Radium-226	.12		UJ	pCi/L
Radium-228	1.70		UJ	pCi/L
Strontium-90	.90		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.05		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.06		UJ	pCi/L
Uranium, Total	.41	+/- .08	J	ug/L
Uranium-233/234				
Uranium-234	.17	+/- .64	J	pCi/L
Uranium-235				
Uranium-235/236	.08		UJ	pCi/L
Uranium-238	.14	+/- .64	J	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74L - Building 65 West Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74L-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.30		UJ	pCi/L
Lead-210	87.00		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.16		UJ	pCi/L
Radium-226	.18		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90				
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.08		UJ	pCi/L
Thorium-230	.13		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.07		UJ	pCi/L
Uranium-235				
Uranium-235/236	.06		UJ	pCi/L
Uranium-238	.07		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74M - Building 64 East Pad & R.R. Dock
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74M-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.15		UJ	pCi/L
Cesium-137	6.30		UJ	pCi/L
Lead-210	160.00	+/- 120	J	pCi/L
Neptunium-237	.14	+/- .11	J	pCi/L
Plutonium-238	.02		UJ	pCi/L
Plutonium-239/240	.06		UJ	pCi/L
Plutonium-241				
Polonium-210	.17		UJ	pCi/L
Radium-226	.22		UJ	pCi/L
Radium-228	2.10		UJ	pCi/L
Strontium-90	.81		UJ	pCi/L
Technetium-99	13.00		UJ	pCi/L
Thorium-227				
Thorium-228	.09		UJ	pCi/L
Thorium-230	.14		UJ	pCi/L
Thorium-232	.04		UJ	pCi/L
Uranium, Total	.39		UJ	ug/L
Uranium-233/234				
Uranium-234	.06		UJ	pCi/L
Uranium-235				
Uranium-235/236	.06		UJ	pCi/L
Uranium-238	.08		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74N-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.17	+/- 1.3	J	pCi/L
Cesium-137	7.80		UJ	pCi/L
Lead-210	340.00	+/- 110	-	pCi/L
Neptunium-237	.07		UJ	pCi/L
Plutonium-238	.05		UJ	pCi/L
Plutonium-239/240	.04		UJ	pCi/L
Plutonium-241	1.80		UJ	pCi/L
Polonium-210	.17		UJ	pCi/L
Radium-226	.11		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	.73		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	.09		UJ	pCi/L
Thorium-230	.11		UJ	pCi/L
Thorium-232	.07		UJ	pCi/L
Uranium, Total	.24		UJ	ug/L
Uranium-233/234				
Uranium-234	.12		UJ	pCi/L
Uranium-235				
Uranium-235/236	.07		UJ	pCi/L
Uranium-238	.12		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74P - Decontamination Pad
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				1			
Sample:	74P-002				74P-007				74P-009			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L	.12		UJ	pCi/L
Cesium-137	9.30		UJ	pCi/L	10.80		UJ	pCi/L	2.00		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	1.50		UJ	pCi/L	5.80		UJ	pCi/L
Neptunium-237	-.02	+/- .0602	UJ	pCi/L	.10	+/- .1161	UJ	pCi/L	.17		UJ	pCi/L
Plutonium-238	-.04	+/- .2475	UJ	pCi/L	.07	+/- .2389	UJ	pCi/L	.22		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.20		UJ	pCi/L	.18		UJ	pCi/L
Plutonium-241												
Polonium-210	.40		UJ	pCi/L	.30		UJ	pCi/L	2.10		UJ	pCi/L
Radium-226	.50		UJ	pCi/L	.60	+/- .7	R	pCi/L	.61		UJ	pCi/L
Radium-228	2.30		UJ	pCi/L	2.20		UJ	pCi/L	.93		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L	1.40		UJ	pCi/L	.30		UJ	pCi/L
Technetium-99	39.10		UJ	pCi/L	37.50		UJ	pCi/L	6.30		UJ	pCi/L
Thorium-227												
Thorium-228	.12	+/- .25	UJ	pCi/L	.31	+/- .3	UJ	pCi/L	.20		UJ	pCi/L
Thorium-230	-.88	+/- .59	UJ	pCi/L	-.96	+/- .62	UJ	pCi/L	.17		UJ	pCi/L
Thorium-232	-.07	+/- .23	UJ	pCi/L	-.22	+/- .22	UJ	pCi/L	.12		UJ	pCi/L
Uranium, Total	.40	+/- .04	-	ug/L	.10		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234												
Uranium-234	2.25	+/- .7	J	pCi/L	1.06	+/- .49	J	pCi/L	.18		UJ	pCi/L
Uranium-235	1.15	+/- .46	J	pCi/L	.48	+/- .31	J	pCi/L				
Uranium-235/236									.09		UJ	pCi/L
Uranium-238	.77	+/- .41	J	pCi/L	.31	+/- .27	J	pCi/L	.16		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74Q-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.79		UJ	pCi/L
Cesium-137	9.40		UJ	pCi/L
Lead-210	2.38		UJ	pCi/L
Neptunium-237	.11		UJ	pCi/L
Plutonium-238	.02		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L
Plutonium-241				
Polonium-210	1.61		UJ	pCi/L
Radium-226	.65		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	.55		UJ	pCi/L
Technetium-99	12.90		UJ	pCi/L
Thorium-227				
Thorium-228	.13		UJ	pCi/L
Thorium-230	.12		UJ	pCi/L
Thorium-232	.06		UJ	pCi/L
Uranium, Total	.10	+/- .00714	-	ug/L
Uranium-233/234				
Uranium-234	.28		UJ	pCi/L
Uranium-235				
Uranium-235/236	.15		UJ	pCi/L
Uranium-238	.19		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74R-008R			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	2.02		UJ	pCi/L
Cesium-137	7.50		UJ	pCi/L
Lead-210	4.47		UJ	pCi/L
Neptunium-237	.64		UJ	pCi/L
Plutonium-238	.19		UJ	pCi/L
Plutonium-239/240	.11		UJ	pCi/L
Plutonium-241				
Polonium-210	.60		UJ	pCi/L
Radium-226	.48		UJ	pCi/L
Radium-228	1.41		UJ	pCi/L
Strontium-90	.78		UJ	pCi/L
Technetium-99	4.72		UJ	pCi/L
Thorium-227				
Thorium-228	.42	+/- .44	J	pCi/L
Thorium-230	.33		UJ	pCi/L
Thorium-232	.13		UJ	pCi/L
Uranium, Total	.43	+/- .0235	-	ug/L
Uranium-233/234				
Uranium-234	.19	+/- .135	J	pCi/L
Uranium-235				
Uranium-235/236	.08		UJ	pCi/L
Uranium-238	.19	+/- .109	J	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74S - Building 63 West Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74S-003			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	8.50		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.00	+/- .0413	UJ	pCi/L
Plutonium-238	-.07	+/- .2185	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.30		UJ	pCi/L
Radium-226	.50		UJ	pCi/L
Radium-228	2.70	+/- 2.5	J	pCi/L
Strontium-90	2.70	+/- 2	J	pCi/L
Technetium-99	40.30		UJ	pCi/L
Thorium-227				
Thorium-228	.28	+/- .31	UJ	pCi/L
Thorium-230	.19	+/- .65	UJ	pCi/L
Thorium-232	.07	+/- .26	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	.18	+/- .39	UJ	pCi/L
Uranium-235	.19	+/- .24	UJ	pCi/L
Uranium-235/236				
Uranium-238	-.03	+/- .22	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				1				1			
Sample:	74T-006				74T-011R				74T-014			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60		R	pCi/L	.53		R	pCi/L	.50		UJ	pCi/L
Cesium-137	1.50		UJ	pCi/L	1.20		UJ	pCi/L	1.40		UJ	pCi/L
Lead-210	.80		UJ	pCi/L	.70		UJ	pCi/L	.70		UJ	pCi/L
Neptunium-237	-.01	+/- .1103	UJ	pCi/L	.11	+/- .1467	UJ	pCi/L	-.02	+/- .1601	UJ	pCi/L
Plutonium-238	-.08	+/- .294	UJ	pCi/L	-.18	+/- .2974	UJ	pCi/L	.03	+/- .3257	UJ	pCi/L
Plutonium-239/240	-.11	+/- .1598	UJ	pCi/L	-.01	+/- .1547	UJ	pCi/L	-.12	+/- .225	UJ	pCi/L
Plutonium-241												
Polonium-210	1.80		UJ	pCi/L	.80		UJ	pCi/L	1.00		UJ	pCi/L
Radium-226	.40	+/- .6	R	pCi/L	.40		UJ	pCi/L	.50		UJ	pCi/L
Radium-228	1.10		UJ	pCi/L	1.30	+/- 1.4	R	pCi/L	1.40	+/- 1.3	J	pCi/L
Strontium-90	2.30	+/- 3.2	R	pCi/L	2.00		UJ	pCi/L	2.50		UJ	pCi/L
Technetium-99	25.50		UJ	pCi/L	25.50		UJ	pCi/L	25.40		UJ	pCi/L
Thorium-227												
Thorium-228	.15	+/- .2414	UJ	pCi/L	.10	+/- .2583	UJ	pCi/L	-.14	+/- .2291	UJ	pCi/L
Thorium-230	.30	+/- .4036	UJ	pCi/L	.30	+/- .4179	UJ	pCi/L	.25	+/- .4128	UJ	pCi/L
Thorium-232	.12	+/- .1888	UJ	pCi/L	-.03	+/- .1998	UJ	pCi/L	-.04	+/- .1701	UJ	pCi/L
Uranium, Total	.20	+/- 0	J	ug/L	.20	+/- 0	J	ug/L	.20	+/- 0	J	ug/L
Uranium-233/234												
Uranium-234	-.22	+/- .3244	UJ	pCi/L	-.29	+/- .2573	UJ	pCi/L	-.08	+/- .2844	UJ	pCi/L
Uranium-235	-.10	+/- .24	UJ	pCi/L	-.12	+/- .15	UJ	pCi/L	-.07	+/- .16	UJ	pCi/L
Uranium-235/236												
Uranium-238	-.03	+/- .2281	UJ	pCi/L	-.03	+/- .1289	UJ	pCi/L	.02	+/- .1427	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74V - Laboratory Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74V-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.20		UJ	pCi/L
Cesium-137	5.40		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L
Neptunium-237	.10		UJ	pCi/L
Plutonium-238	.30		UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L
Plutonium-241				
Polonium-210	.50		UJ	pCi/L
Radium-226	.40		UJ	pCi/L
Radium-228	3.90		UJ	pCi/L
Strontium-90	1.80		UJ	pCi/L
Technetium-99	26.70		UJ	pCi/L
Thorium-227				
Thorium-228	-.15	+/- .33	UJ	pCi/L
Thorium-230	1.06	+/- .61	J	pCi/L
Thorium-232	.06	+/- .22	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L
Uranium-233/234				
Uranium-234	-.19	+/- .18	UJ	pCi/L
Uranium-235	-.04	+/- .09	UJ	pCi/L
Uranium-235/236				
Uranium-238	.06	+/- .1	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	74W-006			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.09		UJ	pCi/L
Cesium-137	8.30		UJ	pCi/L
Lead-210	2.27		UJ	pCi/L
Neptunium-237	.08		UJ	pCi/L
Plutonium-238	.04		UJ	pCi/L
Plutonium-239/240	.03		UJ	pCi/L
Plutonium-241				
Polonium-210	1.66		UJ	pCi/L
Radium-226	.45		UJ	pCi/L
Radium-228	1.71		UJ	pCi/L
Strontium-90	.64		UJ	pCi/L
Technetium-99	12.70		UJ	pCi/L
Thorium-227				
Thorium-228	.17		UJ	pCi/L
Thorium-230	.17	+/- .124	J	pCi/L
Thorium-232	.12	+/- .0578	J	pCi/L
Uranium, Total	.09	+/- .00635	-	ug/L
Uranium-233/234				
Uranium-234	.35		UJ	pCi/L
Uranium-235				
Uranium-235/236	.21		UJ	pCi/L
Uranium-238	.28		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 77 - Finished Products Warehouse (4A)
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	77-005			
	RESULT	+/-TPU	VQ	UNITS
adionuclides				
Americium-241	3.90		R	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.10		UJ	pCi/L
Neptunium-237	.20		R	pCi/L
Plutonium-238	1.10		R	pCi/L
Plutonium-239/240	.80		R	pCi/L
Plutonium-241			R	pCi/L
Polonium-210	-31.00	+/- -93.6	R	pCi/L
Radium-226	.20	+/- .2	R	pCi/L
Radium-228	1.00		UJ	pCi/L
Strontium-90	1.60		UJ	pCi/L
Technetium-99	36.00		UJ	pCi/L
Thorium-227				
Thorium-228	3.50		R	pCi/L
Thorium-230	2.30		R	pCi/L
Thorium-232	2.60		R	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	.30	+/- .3	R	pCi/L
Uranium-235				
Uranium-235/236	.20		R	pCi/L
Uranium-238	.30		R	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 79 - Plant 6 Warehouse
Analytical Results - Radionuclides

Material:	DI WATER
Qa Type:	FIELD BLANK
Process Area:	1
Sample:	79-004

	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.00		UJ	pCi/L
Cesium-137	2.00		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.30		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239/240	.40		UJ	pCi/L
Plutonium-241				
Polonium-210	3.40		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.80		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L
Technetium-99	12.30		UJ	pCi/L
Thorium-227				
Thorium-228	-.33	+/- .343	UJ	pCi/L
Thorium-230	-.16	+/- .2975	UJ	pCi/L
Thorium-232	-.05	+/- .1935	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	-.44	+/- .3276	UJ	pCi/L
Uranium-235				
Uranium-235/236	-.10	+/- .1927	UJ	pCi/L
Uranium-238	-.21	+/- .1976	UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 80 - Plant 8 Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	80-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	2.30		R	pCi/L
Cesium-137	1.30		UJ	pCi/L
Lead-210	1.10		UJ	pCi/L
Neptunium-237			R	pCi/L
Plutonium-238	1.90		R	pCi/L
Plutonium-239/240	1.10		R	pCi/L
Plutonium-241			R	pCi/L
Polonium-210	3.40		R	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	1.30		UJ	pCi/L
Strontium-90	2.10	+/- 2.1	R	pCi/L
Technetium-99	73.50		UJ	pCi/L
Thorium-227				
Thorium-228	5.30		R	pCi/L
Thorium-230	2.70		R	pCi/L
Thorium-232	2.80		R	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	5.30		R	pCi/L
Uranium-235				
Uranium-235/236	3.30		R	pCi/L
Uranium-238	4.30		R	pCi/L

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 81 - Plant 9 Warehouse
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	81-004			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	1.00		UJ	pCi/L
Cesium-137	2.30		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L
Neptunium-237	.60		UJ	pCi/L
Plutonium-238	.90		UJ	pCi/L
Plutonium-239/240	.50		UJ	pCi/L
Plutonium-241				
Polonium-210	1.50		UJ	pCi/L
Radium-226	.20		UJ	pCi/L
Radium-228	2.10	+/- 1.8	J	pCi/L
Strontium-90	2.20		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L
Thorium-227				
Thorium-228	-.27	+/- .8287	UJ	pCi/L
Thorium-230	.11	+/- .6463	UJ	pCi/L
Thorium-232	-.29	+/- .6044	UJ	pCi/L
Uranium, Total	.10	+/- 0	-	ug/L
Uranium-233/234				
Uranium-234	-.41	+/- .3387	UJ	pCi/L
Uranium-235				
Uranium-235/236	.07	+/- .202	UJ	pCi/L
Uranium-238	-.12	+/- .1683	UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Radionuclides

Material:	DI WATER			
Qa Type:	FIELD BLANK			
Process Area:	1			
Sample:	88-002			
	RESULT	+/-TPU	VQ	UNITS
Radionuclides				
Americium-241	.56		UJ	pCi/L
Cesium-137	6.21		UJ	pCi/L
Lead-210	2.74		UJ	pCi/L
Neptunium-237	.21		UJ	pCi/L
Plutonium-238	.33		UJ	pCi/L
Plutonium-239/240	.35		UJ	pCi/L
Plutonium-241				
Polonium-210	.53		UJ	pCi/L
Radium-226	.29		UJ	pCi/L
Radium-228	1.50		UJ	pCi/L
Strontium-90	.53		UJ	pCi/L
Technetium-99	12.80		UJ	pCi/L
Thorium-227				
Thorium-228	.42		UJ	pCi/L
Thorium-230	.65	+/- .269	J	pCi/L
Thorium-232	.15		UJ	pCi/L
Uranium, Total	.28	+/- .0158	-	ug/L
Uranium-233/234				
Uranium-234	.38		UJ	pCi/L
Uranium-235				
Uranium-235/236	.24		UJ	pCi/L
Uranium-238	.24		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	1				1			
Sample:	G02-002				G02-005			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.05		UJ	pCi/L	.06		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L	1.80		UJ	pCi/L
Lead-210	3.70		UJ	pCi/L	4.50		UJ	pCi/L
Neptunium-237	.13		UJ	pCi/L	.26		UJ	pCi/L
Plutonium-238	.22		UJ	pCi/L	.31		UJ	pCi/L
Plutonium-239/240	.19		UJ	pCi/L	.29		UJ	pCi/L
Plutonium-241								
Polonium-210	1.90		UJ	pCi/L	1.80		UJ	pCi/L
Radium-226	.57		UJ	pCi/L	1.30		UJ	pCi/L
Radium-228	.94		UJ	pCi/L	1.40	+/- .84	J	pCi/L
Strontium-90	2.80	+/- .24	-	pCi/L				
Technetium-99	6.60	+/- 11	J	pCi/L	4.70		UJ	pCi/L
Thorium-227								
Thorium-228	.43		UJ	pCi/L	.34		UJ	pCi/L
Thorium-230	.27		UJ	pCi/L	.88	+/- .35	J	pCi/L
Thorium-232	.20		UJ	pCi/L	.24		UJ	pCi/L
Uranium, Total	.09		UJ	ug/L	.09		UJ	ug/L
Uranium-233/234								
Uranium-234	.17		UJ	pCi/L	.12		UJ	pCi/L
Uranium-235								
Uranium-235/236	.10		UJ	pCi/L	.03		UJ	pCi/L
Uranium-238	.15		UJ	pCi/L	.10		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	G3-003				G3-004			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.20		UJ	pCi/L	.20		UJ	pCi/L
Cesium-137	7.90		UJ	pCi/L	7.40		UJ	pCi/L
Lead-210	2.20		UJ	pCi/L	1.40		UJ	pCi/L
Neptunium-237	.04	+/- .0659	UJ	pCi/L	.02	+/- .0458	UJ	pCi/L
Plutonium-238	.09	+/- .2356	UJ	pCi/L	-.12	+/- .2197	UJ	pCi/L
Plutonium-239/240	.20		UJ	pCi/L	.10		UJ	pCi/L
Plutonium-241								
Polonium-210	.30		UJ	pCi/L	.20		UJ	pCi/L
Radium-226	.50		UJ	pCi/L	.50		UJ	pCi/L
Radium-228	2.10		UJ	pCi/L	2.10		UJ	pCi/L
Strontium-90	1.70		UJ	pCi/L	2.20	+/- 2.1	J	pCi/L
Technetium-99	35.50		UJ	pCi/L	33.40		UJ	pCi/L
Thorium-227								
Thorium-228	.46	+/- .32	J	pCi/L	.28	+/- .32	UJ	pCi/L
Thorium-230	.11	+/- .68	UJ	pCi/L	-.11	+/- .67	UJ	pCi/L
Thorium-232	-.16	+/- .25	UJ	pCi/L	.09	+/- .27	UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.10		UJ	ug/L
Uranium-233/234								
Uranium-234	3.00	+/- .77	J	pCi/L	1.80	+/- .62	J	pCi/L
Uranium-235	1.64	+/- .49	J	pCi/L	.67	+/- .36	J	pCi/L
Uranium-235/236								
Uranium-238	.69	+/- .34	J	pCi/L	.53	+/- .34	J	pCi/L

001240

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				2			
Sample:	G13-002R				G13-005R				G13-008			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.08		UJ	pCi/L	.10		UJ	pCi/L	.18		UJ	pCi/L
Cesium-137	1.70		UJ	pCi/L	1.70		UJ	pCi/L	4.60		UJ	pCi/L
Lead-210	2.50		UJ	pCi/L	2.70		UJ	pCi/L	7.50		UJ	pCi/L
Neptunium-237	.37		UJ	pCi/L	.22		UJ	pCi/L	.65		UJ	pCi/L
Plutonium-238	6.90	+/- 5.7	J	pCi/L	.24		UJ	pCi/L	.19		UJ	pCi/L
Plutonium-239/240	.56	+/- .5	J	pCi/L	.14		UJ	pCi/L	.14		UJ	pCi/L
Plutonium-241	1.80		UJ	pCi/L								
Polonium-210	.62		UJ	pCi/L	.71		UJ	pCi/L	.17		UJ	pCi/L
Radium-226	.74		UJ	pCi/L	.70		UJ	pCi/L	.21		UJ	pCi/L
Radium-228	2.00	+/- .82	-	pCi/L	.90		UJ	pCi/L	1.30		UJ	pCi/L
Strontium-90	.36	+/- .24	J	pCi/L	.21		UJ	pCi/L	2.50		UJ	pCi/L
Technetium-99	12.00		UJ	pCi/L	15.00		UJ	pCi/L	9.00		UJ	pCi/L
Thorium-227												
Thorium-228	.66		UJ	pCi/L	.33		UJ	pCi/L	.34		UJ	pCi/L
Thorium-230	1.30	+/- .74	J	pCi/L	.49		UJ	pCi/L	.16		UJ	pCi/L
Thorium-232	.24		UJ	pCi/L	.16		UJ	pCi/L	.20		UJ	pCi/L
Uranium, Total	.09		UJ	ug/L	.09		UJ	ug/L	.06	+/- .003	J	ug/L
Uranium-233/234												
Uranium-234	.13		UJ	pCi/L	64.00	+/- 8.3	J	pCi/L	.31		UJ	pCi/L
Uranium-235												
Uranium-235/236	.09		UJ	pCi/L	32.00	+/- .56	J	pCi/L	.14		UJ	pCi/L
Uranium-238	.17		UJ	pCi/L	63.00	+/- 8.2	J	pCi/L	.21		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER				DI WATER			
Qa Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	5				4				6			
Sample:	G13-012				G13-013				G13-016R			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides												
Americium-241	.60		UJ	pCi/L	2.80		R	pCi/L	.10		UJ	pCi/L
Cesium-137	2.50	+/- 2	J	pCi/L	1.20		UJ	pCi/L	2.20		UJ	pCi/L
Lead-210	1.40		UJ	pCi/L	1.10		UJ	pCi/L	3.50		UJ	pCi/L
Neptunium-237	.40		UJ	pCi/L	.40		R	pCi/L	.22		UJ	pCi/L
Plutonium-238	.80		UJ	pCi/L	1.10		R	pCi/L	.24		UJ	pCi/L
Plutonium-239/240	.50		UJ	pCi/L	.70		R	pCi/L	.12		UJ	pCi/L
Plutonium-241							R	pCi/L				
Polonium-210	.80		UJ	pCi/L	.70		R	pCi/L	.57		UJ	pCi/L
Radium-226	.20		UJ	pCi/L	.30		UJ	pCi/L	.78		UJ	pCi/L
Radium-228	1.40		UJ	pCi/L	2.90	+/- 1.3	J	pCi/L	2.30	+/- .84	-	pCi/L
Strontium-90	2.00		UJ	pCi/L	1.80	+/- 2.2	R	pCi/L	.18		UJ	pCi/L
Technetium-99	12.20		UJ	pCi/L	37.80		UJ	pCi/L	18.00		UJ	pCi/L
Thorium-227												
Thorium-228	-.06	+/- .3547	UJ	pCi/L	1.70		R	pCi/L	.31		UJ	pCi/L
Thorium-230	.32	+/- .3726	UJ	pCi/L	1.30		R	pCi/L	.55		UJ	pCi/L
Thorium-232	.03	+/- .1789	UJ	pCi/L	1.20		R	pCi/L	.16		UJ	pCi/L
Uranium, Total	.10		UJ	ug/L	.10	+/- 0	UJ	ug/L	.09		UJ	ug/L
Uranium-233/234												
Uranium-234	.35	+/- .4435	UJ	pCi/L	.40		R	pCi/L	.14	+/- .11	J	pCi/L
Uranium-235												
Uranium-235/236	.03	+/- .213	UJ	pCi/L	.20		R	pCi/L	.05	+/- .047	J	pCi/L
Uranium-238	-.02	+/- .1925	UJ	pCi/L	.20	+/- .2	R	pCi/L	.10		UJ	pCi/L

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Radionuclides

Material:	DI WATER				DI WATER			
Qa Type:	FIELD BLANK				FIELD BLANK			
Process Area:	6				10			
Sample:	G13-020				G13-026			
	RESULT	+/-TPU	VQ	UNITS	RESULT	+/-TPU	VQ	UNITS
Radionuclides								
Americium-241	.12		UJ	pCi/L	.08		UJ	pCi/L
Cesium-137	1.20		UJ	pCi/L	1.60		UJ	pCi/L
Lead-210	1.50		UJ	pCi/L	9.60	+/- 3.1	J	pCi/L
Neptunium-237	.40		UJ	pCi/L	.23		UJ	pCi/L
Plutonium-238	.20		UJ	pCi/L	.61		UJ	pCi/L
Plutonium-239/240	.10		UJ	pCi/L	.64	+/- .63	J	pCi/L
Plutonium-241					4.90	+/- 1.5	J	pCi/L
Polonium-210	.40		UJ	pCi/L	.65		UJ	pCi/L
Radium-226	.40		UJ	pCi/L	.61		UJ	pCi/L
Radium-228	2.70		UJ	pCi/L	.91		UJ	pCi/L
Strontium-90	1.20		UJ	pCi/L	.19		UJ	pCi/L
Technetium-99	32.50		UJ	pCi/L	8.20		UJ	pCi/L
Thorium-227								
Thorium-228	.70		R	pCi/L	.29		UJ	pCi/L
Thorium-230	.56		R	pCi/L	.49		UJ	pCi/L
Thorium-232	.31		R	pCi/L	.13		UJ	pCi/L
Uranium, Total	.20	+/- .02	J	ug/L	.09		UJ	ug/L
Uranium-233/234								
Uranium-234	.26	+/- .18	J	pCi/L	.16		UJ	pCi/L
Uranium-235								
Uranium-235/236	.00	+/- .11	UJ	pCi/L	.05		UJ	pCi/L
Uranium-238	.06	+/- .11	UJ	pCi/L	.17		UJ	pCi/L

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Metals

Material:	DI WATER			DI WATER			
QA Type:	RINSATE			FIELD BLANK			
Process Area:	5			6			
Sample:	1A-017			1A-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	U	25.00	ug/L	U	U	25.00	ug/L	U
Antimony	U	51.00	ug/L	U	U	51.00	ug/L	U
Arsenic	U	2.40	ug/L	U	U	0.88	ug/L	U
Barium	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	0.40	ug/L	U	U	0.40	ug/L	U
Cadmium	U	2.00	ug/L	U	U	2.00	ug/L	U
Calcium	B	122.00	ug/L	-	U	122.00	ug/L	U
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	5.00	ug/L	U	U	5.00	ug/L	U
Copper	U	2.00	ug/L	U	U	2.00	ug/L	U
Iron	B	15.00	ug/L	U	U	8.00	ug/L	U
Lead	B	1.10	ug/L	-	*	9.10	ug/L	UJ
Magnesium	U	27.00	ug/L	U	U	27.00	ug/L	U
Manganese	U	0.80	ug/L	U	U	0.80	ug/L	U
Mercury	U	0.06	ug/L	U	B	0.08	ug/L	UJ
Nickel	U	9.00	ug/L	U	U	9.00	ug/L	U
Potassium	U	1440.00	ug/L	U	U	1440.00	ug/L	U
Selenium	U	1.20	ug/L	U	U	0.85	ug/L	U
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	86.30	ug/L	-	B	47.50	ug/L	U
Thallium	U	1.50	ug/L	U	U	1.10	ug/L	U
Vanadium	U	5.00	ug/L	U	U	5.00	ug/L	U
Zinc		21.70	ug/L	-		20.30	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				RINSATE				RINSATE			
Process Area:	1				1				1				1				1			
Sample:	2A-008				2A-009				2A-013				2A-017				2A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	29.50	ug/L	UJ	U	29.50	ug/L	U	B	38.70	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	30.50	ug/L	UJ	U	30.50	ug/L	U	U	30.50	ug/L	U
Arsenic	U	3.00	ug/L	U	U	3.00	ug/L	U	U	0.80	ug/L	UJ	U	0.80	ug/L	U	U	0.80	ug/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U	U	4.20	ug/L	UJ	U	4.20	ug/L	U	U	4.20	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	B	1.20	ug/L	UJ	B	2.30	ug/L	U	B	2.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	1.30	ug/L	UJ	U	1.30	ug/L	U	U	1.30	ug/L	U
Calcium	U	135.00	ug/L	U	U	135.00	ug/L	U	B	1610.00	ug/L	J	B	94.50	ug/L	U	BE	3390.00	ug/L	J
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U	U	4.30	ug/L	UJ	U	4.30	ug/L	U	U	4.30	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	3.70	ug/L	UJ	U	3.70	ug/L	U	B	4.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	B	3.60	ug/L	UJ	U	3.60	ug/L	U	U	3.60	ug/L	U
Iron	U	26.00	ug/L	U	U	26.00	ug/L	U	BN	21.30	ug/L	UJ	U	6.20	ug/L	U	B	16.60	ug/L	U
Lead		8.00	ug/L	-		43.90	ug/L	J		3.80	ug/L	UJ	U	0.60	ug/L	U	U	0.90	ug/L	U
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	B	304.00	ug/L	J	U	42.00	ug/L	U	B	359.00	ug/L	-
Manganese	U	8.00	ug/L	U	U	8.00	ug/L	U	B	3.30	ug/L	UJ	B	3.20	ug/L	U	B	9.10	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	UJ	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	5.00	ug/L	UJ	U	5.00	ug/L	U	U	5.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	371.00	ug/L	UJ	B	665.00	ug/L	U	B	1110.00	ug/L	U
Selenium	UW	3.00	ug/L	UJ	U	3.00	ug/L	U	U	1.10	ug/L	UJ	U	1.40	ug/L	U	U	1.10	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U	UN	2.70	ug/L	R	U	2.70	ug/L	U	U	2.70	ug/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U	B	204.00	ug/L	J	B	185.00	ug/L	U	E*	21900.00	ug/L	J
Thallium	UN	3.00	ug/L	U	UN	3.00	ug/L	U	UW	1.30	ug/L	UJ	U	1.30	ug/L	U	U	0.90	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	4.00	ug/L	UJ	B	9.40	ug/L	U	U	4.00	ug/L	U
Zinc	U	18.00	ug/L	U		22.50	ug/L	-	U	13.30	ug/L	UJ	U	13.30	ug/L	U	B	14.70	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	2				3				3				4				4			
Sample:	2A-026				2A-032				2A-036				2A-045				2A-047			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	29.50	ug/L	U	U	94.00	ug/L	U		3940.00	ug/L	-	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	30.50	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	0.80	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Barium	U	4.20	ug/L	U	U	20.00	ug/L	U		268.00	ug/L	-	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	B	2.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	1.30	ug/L	U	U	3.00	ug/L	U		18.50	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	74.10	ug/L	U	B	327.00	ug/L	-		125000.00	ug/L	-	U	135.00	ug/L	U	U	135.00	ug/L	U
Chromium	U	4.30	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U		26.10	ug/L	-	U	9.00	ug/L	U
Cobalt	U	3.70	ug/L	U	U	19.00	ug/L	U	B	31.40	ug/L	-	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper	U	3.60	ug/L	U	U	24.00	ug/L	U		217.00	ug/L	-	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	U	6.20	ug/L	U	U	26.00	ug/L	U		816.00	ug/L	-		604.00	ug/L	-	U	26.00	ug/L	U
Lead	U	0.60	ug/L	U		4.40	ug/L	-		123.00	ug/L	-		5.00	ug/L	-		3.40	ug/L	-
Magnesium	U	42.00	ug/L	U	U	95.00	ug/L	U		193000.00	ug/L	-	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	B	3.20	ug/L	U	U	8.00	ug/L	U		875.00	ug/L	-	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U		0.21	ug/L	-	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	5.00	ug/L	U	U	20.00	ug/L	U		776.00	ug/L	-	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	B	564.00	ug/L	U	U	882.00	ug/L	U		6370.00	ug/L	-	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	1.40	ug/L	U	U	3.00	ug/L	U	UJW	3.00	ug/L	UJ	U	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	2.70	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	B	162.00	ug/L	U	U	358.00	ug/L	U		46400.00	ug/L	-	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	U	1.30	ug/L	U	U	3.00	ug/L	U	UN	30.00	ug/L	U	U	3.00	ug/L	U	UN	3.00	ug/L	U
Vanadium	B	5.60	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	13.30	ug/L	U	U	18.00	ug/L	U		1780.00	ug/L	-		83.60	ug/L	-	U	18.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	4				5			
Sample:	2A-050				2A-053			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	3.00	ug/L	U	U	3.00	ug/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	U	135.00	ug/L	U	U	135.00	ug/L	U
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper		140.00	ug/L	-	U	24.00	ug/L	U
Iron	U	26.00	ug/L	U	U	26.00	ug/L	U
Lead	JE	303.00	ug/L	-		9.90	ug/L	-
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	UN	3.00	ug/L	U	UN	3.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc		176.00	ug/L	-	B	19.70	ug/L	-

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2B - General/Refinery Sump Control Bldg.
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	2B-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	51.20	ug/L	U
Antimony	U	30.50	ug/L	U
Arsenic	U	0.70	ug/L	U
Barium	U	2.20	ug/L	U
Beryllium	U	0.20	ug/L	U
Cadmium	U	2.20	ug/L	U
Calcium	B	156.00	ug/L	U
Chromium	U	4.20	ug/L	U
Cobalt	U	4.20	ug/L	U
Copper	U	4.90	ug/L	U
Iron	B	15.40	ug/L	U
Lead	B	1.80	ug/L	-
Magnesium	U	36.00	ug/L	U
Manganese	U	2.70	ug/L	U
Mercury	B	0.18	ug/L	U
Nickel	U	18.60	ug/L	U
Potassium	U	2710.00	ug/L	U
Selenium	UN	0.90	ug/L	U
Silver	U	3.70	ug/L	U
Sodium	B	153.00	ug/L	U
Thallium	UN	1.10	ug/L	U
Vanadium	U	12.20	ug/L	U
Zinc	B	5.60	ug/L	-

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2C - Bulk Lime Handling Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	2C-008

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U
Iron	U	10.00	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	U	364.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	65.20	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B*	14.10	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Metals

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	2				2			
Sample:	2D-013				2D-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	59.80	ug/L	U	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U	UN	3.00	ug/L	U
Barium	U	14.00	ug/L	U	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	137.00	ug/L	-	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U	B	16.40	ug/L	U
Iron	B	12.80	ug/L	U	B	47.60	ug/L	U
Lead	U	2.00	ug/L	U	U	2.00	ug/L	R
Magnesium	U	48.00	ug/L	U	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U	U	8.00	ug/L	U
Potassium	B	1550.00	ug/L	-	U	364.00	ug/L	U
Selenium	UN	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	211.00	ug/L	U	B	216.00	ug/L	U
Thallium	U	4.00	ug/L	U	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U	U	4.00	ug/L	U
Zinc	B	16.00	ug/L	U	B	10.60	ug/L	U

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Plant 1)
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK		
Process Area:	1			1		
Sample:	2H-006A			2H-008		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	U	25.00	ug/L U	B	37.90	ug/L U
Antimony	U	21.00	ug/L U	U	48.00	ug/L U
Arsenic	U	3.90	ug/L U	U	0.83	ug/L U
Barium	U	1.00	ug/L U	U	1.00	ug/L U
Beryllium	U	0.20	ug/L U	B	0.38	ug/L U
Cadmium	U	2.00	ug/L U	U	2.00	ug/L U
Calcium	B	98.20	ug/L U	B	114.00	ug/L U
Chromium	U	8.00	ug/L U	U	8.00	ug/L U
Cobalt	U	4.00	ug/L U	U	5.00	ug/L U
Copper	B	4.70	ug/L U	U	3.00	ug/L U
Iron	U	9.00	ug/L U	B	41.50	ug/L U
Lead	U	0.60	ug/L U	BN*	1.10	ug/L -
Magnesium	U	25.00	ug/L U	U	33.00	ug/L U
Manganese	U	0.90	ug/L U	U	0.80	ug/L U
Mercury	U	0.07	ug/L U	U	0.07	ug/L U
Nickel	U	7.00	ug/L U	U	7.00	ug/L U
Potassium	U	396.00	ug/L U	U	1190.00	ug/L U
Selenium	U	1.30	ug/L U	U	1.00	ug/L U
Silver	U	4.00	ug/L U	U	4.00	ug/L U
Sodium	U	17.00	ug/L U	B	144.00	ug/L U
Thallium	U	1.60	ug/L U	UW	1.50	ug/L UJ
Vanadium	B	6.10	ug/L U	U	5.00	ug/L U
Zinc	U	2.00	ug/L U	B	7.10	ug/L -

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3A - Maintenance Building
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3A-008			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	40.00	ug/L	U
Antimony	U	36.00	ug/L	U
Arsenic	UN*	2.00	ug/L	UJ
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	111.00	ug/L	U
Chromium	U	3.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	B	41.10	ug/L	U
Lead	BN	1.30	ug/L	UJ
Magnesium	U	45.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	10.00	ug/L	U
Potassium	U	670.00	ug/L	U
Selenium	UW	2.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	55.00	ug/L	U
Thallium	UW	3.00	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	16.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3B - Ozone Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	3B-006

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	90.00	ug/L	U
Antimony	UW	5.00	ug/L	UJ
Arsenic	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	U	31.00	ug/L	U
Chromium	U	10.40	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	B	0.10	ug/L	U
Nickel	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U
Selenium	UW	2.00	ug/L	U
Silver	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 3C - NAR Control House
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3C-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	B	12.10	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	130.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	42.90	ug/L	U
Lead	UW	2.00	ug/L	UJ
Magnesium	B	85.40	ug/L	U
Manganese	B	2.30	ug/L	U
Mercury	B	0.13	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	905.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	7.00	ug/L	U
Sodium	B	137.00	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	B	6.80	ug/L	U
Zinc	B	12.20	ug/L	U

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3D-007			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	6.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	40.30	ug/L	U
Chromium	U*	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	11.40	ug/L	U
Lead	UN	2.00	ug/L	U
Magnesium	U	58.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	B	0.12	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	905.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	7.00	ug/L	U
Sodium	U	47.00	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	U	3.00	ug/L	U
Zinc	B	8.80	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3E-009			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	27.00	ug/L	U
Antimony	U	19.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	6.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	4.00	ug/L	U
Calcium	B	46.40	ug/L	U
Chromium	UE	5.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	B	48.60	ug/L	U
Lead	UW	2.00	ug/L	UJ
Magnesium	U	29.00	ug/L	U
Manganese	B	1.20	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	9.00	ug/L	U
Potassium	U	938.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	5.00	ug/L	U
Sodium	B	101.00	ug/L	U
Thallium	UN	2.00	ug/L	U
Vanadium	UN	4.00	ug/L	U
Zinc	B	11.20	ug/L	U

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Recovery
Analytical Results - Metals

Material:	DI WATER			DI WATER			
QA Type:	RINSATE			FIELD BLANK			
Process Area:	1			1			
Sample:	3F-006			3F-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	52.50	ug/L	U	U	27.00	ug/L	U
Antimony	U	5.00	ug/L	U	U	19.00	ug/L	U
Arsenic	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	3.00	ug/L	U	U	6.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U	U	4.00	ug/L	U
Calcium	B	18.80	ug/L	U	B	50.50	ug/L	U
Chromium	U	5.00	ug/L	U	UE	5.00	ug/L	U
Cobalt	U	12.00	ug/L	U	U	5.00	ug/L	U
Copper	U	5.00	ug/L	U	U	4.00	ug/L	U
Iron	U	14.00	ug/L	U	B	20.10	ug/L	U
Lead	U	1.00	ug/L	U	U	2.00	ug/L	U
Magnesium	U	72.00	ug/L	U	U	29.00	ug/L	U
Manganese	U	3.00	ug/L	U	B	1.10	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U	U	9.00	ug/L	U
Potassium	U	110.00	ug/L	U	U	938.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	BW	2.10	ug/L	UJ	U	5.00	ug/L	U
Sodium	U	122.00	ug/L	U	B	82.50	ug/L	U
Thallium	U	1.00	ug/L	U	UN	2.00	ug/L	U
Vanadium	U	12.00	ug/L	U	UN	4.00	ug/L	U
Zinc	U	6.00	ug/L	U	B	9.60	ug/L	U

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3J-008			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	UNS	5.00	ug/L	R
Arsenic	UW	3.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium	B	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	16.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	U	8.00	ug/L	U
Iron	U	35.00	ug/L	U
Lead	UN*	1.00	ug/L	U
Magnesium	U	42.00	ug/L	U
Manganese	B	7.00	ug/L	-
Mercury	U	0.10	ug/L	U
Nickel	U	15.00	ug/L	U
Potassium	U	84.00	ug/L	U
Selenium	UW	1.00	ug/L	U
Silver	U	2.00	ug/L	U
Sodium	U	126.00	ug/L	U
Thallium	U	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	3K-008			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	37.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	3.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	U	16.00	ug/L	U
Chromium	U	5.00	ug/L	U
Cobalt	U	12.00	ug/L	U
Copper	U	5.00	ug/L	U
Iron	U	14.00	ug/L	U
Lead	UN	1.00	ug/L	U
Magnesium	U	72.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	110.00	ug/L	U
Selenium	UW	2.00	ug/L	UJ
Silver	UNW	1.00	ug/L	UJ
Sodium	U	122.00	ug/L	U
Thallium	UW	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 3L - Electrical Power Center Building
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK		
Process Area:	1			1		
Sample:	3L-003			3L-006		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	U	37.00	ug/L U	U	37.00	ug/L U
Antimony	U	5.00	ug/L U	U	5.00	ug/L U
Arsenic	U	2.00	ug/L U	U	2.00	ug/L U
Barium	U	3.00	ug/L U	U	3.00	ug/L U
Beryllium	U	4.00	ug/L U	U	4.00	ug/L U
Cadmium	U	2.00	ug/L U	U	2.00	ug/L U
Calcium	U	16.00	ug/L U	U	16.00	ug/L U
Chromium	U	5.00	ug/L U	U	5.00	ug/L U
Cobalt	U	12.00	ug/L U	U	12.00	ug/L U
Copper	U	5.00	ug/L U	U	5.00	ug/L U
Iron	U	14.00	ug/L U	U	14.00	ug/L U
Lead	U	1.00	ug/L U	U	1.00	ug/L U
Magnesium	U	72.00	ug/L U	U	72.00	ug/L U
Manganese	U	3.00	ug/L U	U	3.00	ug/L U
Mercury	U	0.10	ug/L U	U	0.10	ug/L U
Nickel	U	12.00	ug/L U	U	12.00	ug/L U
Potassium	U	84.00	ug/L U	U	84.00	ug/L U
Selenium	U	2.00	ug/L U	U	2.00	ug/L U
Silver	U	2.00	ug/L U	U	2.00	ug/L U
Sodium	U	122.00	ug/L U	U	122.00	ug/L U
Thallium	U	1.00	ug/L U	U	1.00	ug/L U
Vanadium	U	12.00	ug/L U	U	12.00	ug/L U
Zinc	U	6.00	ug/L U	U	6.00	ug/L U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				1				1				1				1			
Sample:	4A-005				4A-006				4A-010				4A-014				4A-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U								
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U								
Arsenic	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	0.38	mg/L	U	U	0.38	mg/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	0.20	mg/L	U	U	0.20	mg/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U								
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	0.02	mg/L	U	U	0.02	mg/L	U
Calcium	B	247.00	ug/L	-	U	135.00	ug/L	U	U	135.00	ug/L	U								
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	0.09	mg/L	U	U	0.09	mg/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U								
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U								
Iron		1010.00	ug/L	-	U	26.00	ug/L	U	B	27.90	ug/L	-								
Lead		9.80	ug/L	-	B	2.40	ug/L	-	B	2.80	ug/L	-	U	0.14	mg/L	U	U	0.14	mg/L	U
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U								
Manganese	B	8.20	ug/L	-	U	8.00	ug/L	U	U	8.00	ug/L	U								
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.00	mg/L	U	U	0.00	mg/L	U
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U								
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U								
Selenium	U	3.00	ug/L	U	U	3.00	ug/L	U	UW	3.00	ug/L	UJ	U	0.26	mg/L	U	U	0.26	mg/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	0.05	mg/L	U	U	0.05	mg/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U								
Thallium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U								
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U								
Zinc		111.00	ug/L	-	U	18.00	ug/L	U		20.50	ug/L	-								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	2				2				2				2				3			
Sample:	4A-021				4A-022				4A-024				4A-027				4A-031			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	3.00	ug/L	U	U	3.00	ug/L	U	BW	4.50	ug/L	J	U	3.00	ug/L	U	U	3.00	ug/L	U
Barium	U	20.00	ug/L	U	B	23.10	ug/L	-	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	U	135.00	ug/L	U	U	135.00	ug/L	U	U	135.00	ug/L	U	U	135.00	ug/L	U	U	135.00	ug/L	U
Chromium	U	9.00	ug/L	U		12.40	ug/L	-	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	U	26.00	ug/L	U	B	74.20	ug/L	-	U	26.00	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U
Lead		3.90	ug/L	-		11.50	ug/L	-		9.30	ug/L	-		5.30	ug/L	-		65.20	ug/L	-
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	U	1.00	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	UJ	0.10	ug/L	UJ
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	B	424.00	ug/L	-	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	U	3.00	ug/L	U	U	3.00	ug/L	U	UN	3.00	ug/L	U	UN	3.00	ug/L	U	U	3.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	18.00	ug/L	U		30.90	ug/L	-		36.30	ug/L	-		44.00	ug/L	-		22.20	ug/L	-

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Metals

Material:	DI WATER			DI WATER			
QA Type:	FIELD BLANK			FIELD BLANK			
Process Area:	3			3			
Sample:	4A-033			4A-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	3.00	ug/L	U	UW	3.00	ug/L	UJ
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	U	135.00	ug/L	U	U	135.00	ug/L	U
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	U	26.00	ug/L	U	U	26.00	ug/L	U
Lead	B	2.50	ug/L	-		17.20	ug/L	-
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	U	3.00	ug/L	U	U	3.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	18.00	ug/L	U	U	18.00	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				2				3				1			
Sample:	5A-006				5A-011				5A-014				5A-020				5A-024A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	48.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	46.00	ug/L	U	UW	4.00	ug/L	UJ
Arsenic	UN	2.00	ug/L	U	UN	2.00	ug/L	U	UN	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	6.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	1.00	ug/L	U	U	4.00	ug/L	U
Cadmium	UN	5.00	ug/L	U	UN	5.00	ug/L	U	UN	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	U*	31.00	ug/L	U	U*	31.00	ug/L	U	U*	31.00	ug/L	U	B	32.40	ug/L	U	B	526.00	ug/L	U
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	B	7.30	ug/L	-	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	7.00	ug/L	U	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U		145.00	ug/L	U	U	17.00	ug/L	U		166.00	ug/L	-	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	BN*	2.40	ug/L	J		17.80	ug/L	-
Magnesium	U	65.00	ug/L	U	U	65.00	ug/L	U	U	65.00	ug/L	U	U	58.00	ug/L	U	B	232.00	ug/L	U
Manganese	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U		2.00	ug/L	U	U	3.00	ug/L	U
Mercury	UN	0.10	ug/L	U	UN	0.10	ug/L	U	UN	0.10	ug/L	U	B	0.11	ug/L	U	B	0.19	ug/L	U
Nickel	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U	U	12.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U	U	121.00	ug/L	U	U	121.00	ug/L	U	U	905.00	ug/L	U	B	110.00	ug/L	-
Selenium	UN	1.00	ug/L	U	UNW	1.00	ug/L	U	UN	1.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	7.00	ug/L	U	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U	B	63.60	ug/L	U	B	522.00	ug/L	-
Thallium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	2.00	ug/L	U	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	3.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U		29.50	ug/L	-	U	6.00	ug/L	U	B	10.60	ug/L	U	B	12.80	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	5				6				7				1				9			
Sample:	5A-028				5A-032				5A-037				5A-040A				5A-042			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U	U	48.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	46.00	ug/L	U	UW	4.00	ug/L	UJ	U	4.00	ug/L	U	UW	4.00	ug/L	U
Arsenic	UN	2.00	ug/L	U	U	2.00	ug/L	U	UJ	2.00	ug/L	U	UN	2.00	ug/L	U	UW	2.00	ug/L	UJ
Barium	U	2.00	ug/L	U	U	6.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	1.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	UN	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	UN	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	U*	31.00	ug/L	U	B	76.50	ug/L	U	B	32.60	ug/L	U	U*	31.00	ug/L	U	B	188.00	ug/L	U
Chromium	U	6.00	ug/L	U	•	16.30	ug/L	-	B	9.10	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U	U	7.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U		100.00	ug/L	U	B	55.00	ug/L	U	U	17.00	ug/L	U	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U	N	85.20	ug/L	-	B	1.10	ug/L	-	U	1.00	ug/L	U	B	1.30	ug/L	-
Magnesium	U	65.00	ug/L	U	U	58.00	ug/L	U	U	65.00	ug/L	U	U	65.00	ug/L	U	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U	B	2.20	ug/L	-	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Mercury	UN	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	UN	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	11.00	ug/L	U	U	12.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U	U	905.00	ug/L	U	U	110.00	ug/L	U	U	121.00	ug/L	U	U	110.00	ug/L	U
Selenium	UN	1.00	ug/L	U	UW	2.00	ug/L	U	U	2.00	ug/L	U	UNW	1.00	ug/L	U	U	2.00	ug/L	U
Silver	U	1.00	ug/L	U	U	7.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U	U	47.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U
Thallium	UW	1.00	ug/L	U	U	2.00	ug/L	U	U	1.00	ug/L	U	UW	1.00	ug/L	U	U	1.00	ug/L	U
Vanadium	B	15.60	ug/L	U	U	3.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U		27.70	ug/L	U	B	14.10	ug/L	-	U	6.00	ug/L	U	U	22.30	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	10				10				11				12			
Sample:	5A-050				5A-051				5A-054				5A-056			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Arsenic	UN	2.00	ug/L	U	UN	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	UN	5.00	ug/L	U	UN	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	U*	31.00	ug/L	U	U*	31.00	ug/L	U	U	31.00	ug/L	U	U	31.00	ug/L	U
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Iron	B	54.90	ug/L	U	U	17.00	ug/L	U	U	17.00	ug/L	U	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U	U	1.00	ug/L	U		27.40	ug/L	-	UW	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U	U	65.00	ug/L	U	B	497.00	ug/L	U	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Mercury	UN	0.10	ug/L	U	UN	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U	U	121.00	ug/L	U	B	160.00	ug/L	-	U	110.00	ug/L	U
Selenium	UN	1.00	ug/L	U	UNW	1.00	ug/L	U	BW	1.70	ug/L	UJ	UW	2.00	ug/L	UJ
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U
Thallium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	B	14.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 5B - Plant 5 Ingot Pickling
Analytical Results - Metals

Material:	DI WATER
QA Type:	RINSATE
Process Area:	1
Sample:	5B-001

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U
Iron	U	10.00	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	U	364.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	99.50	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B	11.80	ug/L	U

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 5G - Plant 5 Ingot Storage Shelter
Analytical Results - Metals

Material:	DI WATER			
QA Type:	RINSATE			
Process Area:	1			
Sample:	5G-004			
	LQ	RESULT	UNITS	VQ
etals				
Aluminum	U	24.30	ug/L	U
Antimony	U	26.50	ug/L	U
Arsenic	U	0.80	ug/L	U
Barium	B	0.70	ug/L	U
Beryllium	U	0.30	ug/L	U
Cadmium	U	2.80	ug/L	U
Calcium	B	52.20	ug/L	U
Chromium	U	2.90	ug/L	U
Cobalt	U	3.20	ug/L	U
Copper	U	3.40	ug/L	U
Iron	B	23.30	ug/L	-
Lead	U	1.00	ug/L	U
Magnesium	B	71.60	ug/L	U
Manganese	U	1.20	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.10	ug/L	U
Potassium	U	3160.00	ug/L	U
Selenium	U	0.90	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	U	62.70	ug/L	U
Thallium	U	1.50	ug/L	U
Vanadium	B	4.30	ug/L	U
Zinc	B	12.20	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				1				2				3			
Sample:	6A-004				6A-008				6A-013				6A-020				6A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	27.00	ug/L	U	U	33.40	ug/L	U	B	29.20	ug/L	U	UN	37.00	ug/L	U	U	27.00	ug/L	U
Antimony	U	49.00	ug/L	U	U	34.40	ug/L	U	U	49.00	ug/L	U	UN	5.00	ug/L	U	B	51.20	ug/L	-
Arsenic	U	3.00	ug/L	U	U	1.00	ug/L	U	U	3.00	ug/L	U	U	2.00	ug/L	U	U	3.00	ug/L	U
Barium	U	23.00	ug/L	U	U	1.90	ug/L	U	U	23.00	ug/L	U	U	3.00	ug/L	U	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	0.33	ug/L	U	U	1.00	ug/L	U	UN	4.00	ug/L	U	U	1.00	ug/L	U
Cadmium	B	2.10	ug/L	-	U	2.90	ug/L	U	U	2.00	ug/L	U	BN	4.00	ug/L	U	U	2.00	ug/L	U
Calcium	B	99.70	ug/L	-	B	14.50	ug/L	U	U	31.00	ug/L	U	U	16.00	ug/L	U	B	49.70	ug/L	-
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	UN	5.00	ug/L	U	U	4.00	ug/L	U
Cobalt	U	6.00	ug/L	U	U	7.00	ug/L	U	U	6.00	ug/L	U	UN	12.00	ug/L	U	U	6.00	ug/L	U
Copper	U	4.00	ug/L	U	U	6.70	ug/L	U	U	4.00	ug/L	U	UN	5.00	ug/L	U	U	4.00	ug/L	U
Iron	B	16.50	ug/L	U	U	4.80	ug/L	U	B	17.20	ug/L	U	UN	14.00	ug/L	U	B	32.20	ug/L	U
Lead	U	1.00	ug/L	U	B	0.73	ug/L	U	U	1.00	ug/L	U	UN	1.00	ug/L	U	B	2.10	ug/L	-
Magnesium	U	54.00	ug/L	U	U	39.20	ug/L	U	U	54.00	ug/L	U	U	72.00	ug/L	U	U	54.00	ug/L	U
Manganese	U	2.00	ug/L	U	U	0.56	ug/L	U	U	2.00	ug/L	U	UN	3.00	ug/L	U	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U	U	0.10	ug/L	U	U	0.20	ug/L	U	U	0.10	ug/L	U	U	0.20	ug/L	U
Nickel	U	11.00	ug/L	U	U	15.10	ug/L	U	U	11.00	ug/L	U	UN	12.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	578.00	ug/L	U	U	647.00	ug/L	U	U	578.00	ug/L	U	U	110.00	ug/L	U	U	578.00	ug/L	U
Selenium	U	3.00	ug/L	U	U	1.30	ug/L	U	U	3.00	ug/L	U	UN	5.00	ug/L	U	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U	U	6.90	ug/L	U	U	4.00	ug/L	U	U	2.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	130.00	ug/L	U	U	35.80	ug/L	U	B	100.00	ug/L	U	U	122.00	ug/L	U	B	64.60	ug/L	U
Thallium	U	3.00	ug/L	U	UW	0.89	ug/L	UJ	U	3.00	ug/L	U	U	1.00	ug/L	U	U	3.00	ug/L	U
Vanadium	U	6.00	ug/L	U	B	5.50	ug/L	U	U	6.00	ug/L	U	UEN	12.00	ug/L	U	U	6.00	ug/L	U
Zinc	B	12.90	ug/L	U	B	4.00	ug/L	U	B	8.50	ug/L	U	UN	6.00	ug/L	U	B	5.20	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	4				5				6				7			
Sample:	6A-026				6A-030				6A-034A				6A-039A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																
Aluminum	U	27.00	ug/L	U	U	33.40	ug/L	U	U	27.00	ug/L	U	U	27.00	ug/L	U
Antimony	U	49.00	ug/L	U	U	34.40	ug/L	U	U	49.00	ug/L	U	U	49.00	ug/L	U
Arsenic	U	3.00	ug/L	U	U	1.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Barium	U	23.00	ug/L	U	B	8.70	ug/L	U	U	23.00	ug/L	U	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	0.33	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U	U	2.90	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Calcium	U	31.00	ug/L	U	B	45.00	ug/L	U	B	80.00	ug/L	-	B	234.00	ug/L	-
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cobalt	U	6.00	ug/L	U	U	7.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Copper	U	4.00	ug/L	U	U	6.70	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Iron	U	9.00	ug/L	U	B	104.00	ug/L	-	B	22.00	ug/L	U	B	21.50	ug/L	U
Lead	UW	1.00	ug/L	U	S	77.80	ug/L	-	U	1.00	ug/L	U	B	1.50	ug/L	-
Magnesium	U	54.00	ug/L	U	U	39.20	ug/L	U	U	54.00	ug/L	U	U	54.00	ug/L	U
Manganese	U	2.00	ug/L	U	B	1.40	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U	U	0.10	ug/L	U	U	0.20	ug/L	U	U	0.20	ug/L	U
Nickel	U	11.00	ug/L	U	U	15.10	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	578.00	ug/L	U	U	647.00	ug/L	U	U	578.00	ug/L	U	U	578.00	ug/L	U
Selenium	U	3.00	ug/L	U	B	0.62	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U	U	6.90	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	102.00	ug/L	U	B	36.40	ug/L	-	B	129.00	ug/L	U	B	122.00	ug/L	U
Thallium	U	3.00	ug/L	U	UW	0.89	ug/L	UJ	U	3.00	ug/L	U	U	3.00	ug/L	U
Vanadium	U	6.00	ug/L	U	U	5.20	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Zinc	B	4.10	ug/L	U	B	10.30	ug/L	U	B	9.30	ug/L	U	B	14.50	ug/L	U

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage Area
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	6B-005			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	U	1.00	ug/L	U
Barium	B	2.80	ug/L	-
Beryllium	B	4.90	ug/L	R
Cadmium	U	2.00	ug/L	U
Calcium	B	1440.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	UN	8.00	ug/L	U
Iron	U	35.00	ug/L	U
Lead	BN*	1.80	ug/L	J
Magnesium	B	706.00	ug/L	-
Manganese	UN	3.00	ug/L	U
Mercury	UN	0.10	ug/L	U
Nickel	U	15.00	ug/L	U
Potassium	B	120.00	ug/L	-
Selenium	UN	2.00	ug/L	R
Silver	U	2.00	ug/L	U
Sodium	B	473.00	ug/L	-
Thallium	UN	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc	B	16.30	ug/L	-

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Treat Building
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK		
Process Area:	1			1		
Sample:	6F-007			6F-011		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	U	51.20	ug/L U	B	26.10	ug/L U
Antimony	U	24.80	ug/L U	U	48.00	ug/L U
Arsenic	U	0.80	ug/L U	UN	2.30	ug/L U
Barium	U	2.20	ug/L U	B	1.10	ug/L U
Beryllium	B	0.45	ug/L U	U	0.34	ug/L U
Cadmium	U	1.60	ug/L U	U	2.00	ug/L U
Calcium	B	58.70	ug/L U	B	67.50	ug/L U
Chromium	U	4.20	ug/L U	U	8.00	ug/L U
Cobalt	U	4.20	ug/L U	B	5.40	ug/L -
Copper	U	4.90	ug/L U	U	3.00	ug/L U
Iron	B	18.00	ug/L U	B	13.80	ug/L U
Lead	U	1.00	ug/L U	UW	0.60	ug/L UJ
Magnesium	U	32.30	ug/L U	U	33.00	ug/L U
Manganese	U	2.70	ug/L U	B	1.10	ug/L U
Mercury	U	0.10	ug/L U	U	0.07	ug/L U
Nickel	U	18.60	ug/L U	U	7.00	ug/L U
Potassium	B	520.00	ug/L U	U	1190.00	ug/L U
Selenium	U	1.80	ug/L U	UWN	1.30	ug/L U
Silver	U	3.70	ug/L U	U	4.00	ug/L U
Sodium	B	111.00	ug/L U	B	73.60	ug/L U
Thallium	U	1.50	ug/L U	U	1.60	ug/L U
Vanadium	U	12.20	ug/L U	U	5.00	ug/L U
Zinc	B	3.60	ug/L U	B	7.90	ug/L U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				2				3				4				4			
Sample:	8A-008				8A-013				8A-021				8A-024				8A-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	40.00	ug/L	U	B	83.40	ug/L	U	B	79.20	ug/L	U	U	90.00	ug/L	U	B	199.00	ug/L	U
Antimony	U	36.00	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U	UW	14.00	ug/L	UJ	U	14.00	ug/L	U
Arsenic	UN*	2.00	ug/L	UJ	U	1.30	ug/L	U	U	1.30	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	23.00	ug/L	U	B	1.30	ug/L	U	B	0.89	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	B	35.30	ug/L	U	B	99.50	ug/L	U	B	35.50	ug/L	U	U	31.00	ug/L	U	U	31.00	ug/L	U
Chromium	B	3.80	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	5.00	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	4.00	ug/L	U	B	8.20	ug/L	U	B	8.70	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Iron	B	9.90	ug/L	U	B	43.00	ug/L	U	B	18.60	ug/L	U	U	17.00	ug/L	U		162.00	ug/L	U
Lead	UN	1.00	ug/L	UJ	U	0.70	ug/L	U	U	0.70	ug/L	U	U	1.00	ug/L	U	UW	1.00	ug/L	U
Magnesium	U	45.00	ug/L	U	B	29.20	ug/L	U	B	15.80	ug/L	U	U	65.00	ug/L	U	U	65.00	ug/L	U
Manganese	U	2.00	ug/L	U	B	1.50	ug/L	U	B	1.40	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Mercury	U	0.20	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	B	0.11	ug/L	-	U	0.10	ug/L	U
Nickel	U	10.00	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	670.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	121.00	ug/L	U	U	121.00	ug/L	U
Selenium	UW	2.00	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	U	4.00	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Sodium	U	55.00	ug/L	U	B	164.00	ug/L	U	B	121.00	ug/L	U	U	140.00	ug/L	U	U	140.00	ug/L	U
Thallium	UW	3.00	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Vanadium	U	5.00	ug/L	U	B	3.10	ug/L	U	B	3.40	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	B	8.20	ug/L	U	B	11.70	ug/L	U	B	9.40	ug/L	U	U	6.00	ug/L	U	B	14.70	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	4				5				5				7				8			
Sample:	8A-027				8A-029				8A-033				8A-045				8A-052			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U	U	78.40	ug/L	U	U	33.40	ug/L	U	U	40.00	ug/L	U	B	104.00	ug/L	U
Antimony	UW	14.00	ug/L	UJ	U	35.20	ug/L	U	U	34.40	ug/L	U	U	36.00	ug/L	U	U	35.20	ug/L	U
Arsenic	U	2.00	ug/L	U	U	1.30	ug/L	U	U	1.00	ug/L	U	UN*	2.00	ug/L	UJ	U	1.30	ug/L	U
Barium	U	2.00	ug/L	U	B	0.70	ug/L	U	U	1.90	ug/L	U	U	23.00	ug/L	U	B	1.20	ug/L	U
Beryllium	U	4.00	ug/L	U	U	2.40	ug/L	U	U	0.33	ug/L	U	U	1.00	ug/L	U	U	2.40	ug/L	U
Cadmium	U	5.00	ug/L	U	U	2.70	ug/L	U	U	2.90	ug/L	U	U	3.00	ug/L	U	U	2.70	ug/L	U
Calcium	U	31.00	ug/L	U	B	66.60	ug/L	U	U	14.00	ug/L	U	B	71.40	ug/L	U	B	112.00	ug/L	U
Chromium	U	6.00	ug/L	U	B	8.20	ug/L	U	U	4.00	ug/L	U	B	4.20	ug/L	U	U	3.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	3.80	ug/L	U	U	7.00	ug/L	U	U	5.00	ug/L	U	U	3.80	ug/L	U
Copper	U	8.00	ug/L	U	B	7.80	ug/L	U	U	6.70	ug/L	U	U	4.00	ug/L	U	B	11.60	ug/L	U
Iron	U	17.00	ug/L	U	B	70.10	ug/L	U	U	4.80	ug/L	U	B	19.40	ug/L	U	B	31.80	ug/L	U
Lead	US	1.00	ug/L	U	U	0.70	ug/L	U	U	0.33	ug/L	U	UN	1.00	ug/L	UJ	U	0.70	ug/L	U
Magnesium	U	65.00	ug/L	U	B	24.50	ug/L	U	U	39.20	ug/L	U	U	45.00	ug/L	U	B	18.00	ug/L	U
Manganese	U	3.00	ug/L	U	B	1.90	ug/L	U	U	0.56	ug/L	U	U	2.00	ug/L	U	B	1.90	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.20	ug/L	U	U	0.10	ug/L	U
Nickel	U	11.00	ug/L	U	U	17.80	ug/L	U	U	15.10	ug/L	U	U	10.00	ug/L	U	U	17.80	ug/L	U
Potassium	U	121.00	ug/L	U	U	2170.00	ug/L	U	U	647.00	ug/L	U	U	670.00	ug/L	U	U	2170.00	ug/L	U
Selenium	UW	2.00	ug/L	UJ	U	0.80	ug/L	U	U	1.30	ug/L	U	U	2.00	ug/L	U	U	0.80	ug/L	U
Silver	U	2.00	ug/L	U	U	3.40	ug/L	U	U	6.90	ug/L	U	U	4.00	ug/L	U	U	3.40	ug/L	U
Sodium	U	140.00	ug/L	U	B	157.00	ug/L	U	U	35.80	ug/L	U	U	55.00	ug/L	U	B	175.00	ug/L	U
Thallium	U	1.00	ug/L	U	U	0.90	ug/L	U	UW	0.89	ug/L	UJ	UW	3.00	ug/L	U	U	0.90	ug/L	U
Vanadium	U	12.00	ug/L	U	B	3.20	ug/L	U	B	6.10	ug/L	U	U	5.00	ug/L	U	B	3.20	ug/L	U
Zinc	U	6.00	ug/L	U	B	13.80	ug/L	U	U	3.40	ug/L	U	B	14.80	ug/L	U		23.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				RINSATE				RINSATE			
Process Area:	9				10				11				11				12			
Sample:	8A-056				8A-063				8A-067				8A-070				8A-076			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	78.40	ug/L	U	U	94.00	ug/L	U	B	92.00	ug/L	U	U	19.30	ug/L	U	U	33.40	ug/L	U
Antimony	U	35.20	ug/L	U	U	50.00	ug/L	U	U	35.20	ug/L	U	U	22.20	ug/L	U	U	34.40	ug/L	U
Arsenic	U	1.30	ug/L	U	U	3.00	ug/L	U	U	1.30	ug/L	U	U	0.90	ug/L	U	U	1.60	ug/L	U
Barium	B	1.10	ug/L	U	U	20.00	ug/L	U	B	0.71	ug/L	U	U	0.60	ug/L	U	B	2.50	ug/L	U
Beryllium	U	2.40	ug/L	U		6.00	ug/L	U	U	2.40	ug/L	U	U	0.40	ug/L	U	U	0.33	ug/L	U
Cadmium	U	2.70	ug/L	U		6.00	ug/L	U	U	2.70	ug/L	U	U	1.30	ug/L	U	U	2.90	ug/L	U
Calcium	B	148.00	ug/L	U	U	135.00	ug/L	U	B	54.80	ug/L	U	B	18.10	ug/L	-	U	14.00	ug/L	U
Chromium	U	3.00	ug/L	U	U	9.00	ug/L	U	U	3.00	ug/L	U	U	3.20	ug/L	U	U	4.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	19.00	ug/L	U	U	3.80	ug/L	U	U	5.30	ug/L	U	U	7.00	ug/L	U
Copper	B	8.80	ug/L	U	U	24.00	ug/L	U	B	7.90	ug/L	U	U	2.60	ug/L	U	U	6.70	ug/L	U
Iron	B	34.90	ug/L	U	U	26.00	ug/L	U	B	28.40	ug/L	U	B	6.40	ug/L	U	B	18.70	ug/L	U
Lead		16.80	ug/L	-		6.90	ug/L	-	B	2.80	ug/L	-	W	5.30	ug/L	UJ	U	0.33	ug/L	U
Magnesium	B	19.40	ug/L	U	U	95.00	ug/L	U	B	25.60	ug/L	U	U	68.10	ug/L	U	U	39.20	ug/L	U
Manganese	B	1.40	ug/L	U	U	8.00	ug/L	U	B	1.10	ug/L	U	U	0.60	ug/L	U	U	0.56	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U		0.28	ug/L	U
Nickel	U	17.80	ug/L	U	U	20.00	ug/L	U	U	17.80	ug/L	U	U	15.00	ug/L	U	U	15.10	ug/L	U
Potassium	U	2170.00	ug/L	U	U	882.00	ug/L	U	U	2170.00	ug/L	U	U	341.00	ug/L	U	U	647.00	ug/L	U
Selenium	U	0.80	ug/L	U	U	3.00	ug/L	U	U	0.80	ug/L	U	U	0.50	ug/L	U	U	0.78	ug/L	U
Silver	U	3.40	ug/L	U	U	5.00	ug/L	U	U	3.40	ug/L	U	U	3.20	ug/L	U	U	6.90	ug/L	U
Sodium	B	121.00	ug/L	U	U	358.00	ug/L	U	B	111.00	ug/L	U	B	94.40	ug/L	U	U	35.80	ug/L	U
Thallium	U	0.90	ug/L	U	U	3.00	ug/L	U	U	0.90	ug/L	U	B	0.40	ug/L	U	U	0.89	ug/L	UJ
Vanadium	B	3.20	ug/L	U	U	12.00	ug/L	U	B	3.30	ug/L	U	U	3.00	ug/L	U	B	5.50	ug/L	U
Zinc		28.80	ug/L	U		24.80	ug/L	-	B	19.20	ug/L	U	B	4.30	ug/L	U	U	3.40	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	12				13				14				16			
Sample:	8A-079				8A-089				8A-093				8A-102			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	U	19.30	ug/L	U	U	33.40	ug/L	U	B	104.00	ug/L	U	U	19.30	ug/L	U
Antimony	U	22.20	ug/L	U	U	34.40	ug/L	U	U	35.20	ug/L	U	U	22.20	ug/L	U
Arsenic	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.30	ug/L	U	U	0.90	ug/L	U
Barium	B	3.30	ug/L	U	U	1.90	ug/L	U	B	1.20	ug/L	U	U	0.60	ug/L	U
Beryllium	U	0.40	ug/L	U	U	0.33	ug/L	U	U	2.40	ug/L	U	U	0.40	ug/L	U
Cadmium	U	1.30	ug/L	U	U	2.90	ug/L	U	U	2.70	ug/L	U	U	1.30	ug/L	U
Calcium	B	15.30	ug/L	U	U	14.00	ug/L	U	B	63.00	ug/L	U	U	15.20	ug/L	U
Chromium	U	3.20	ug/L	U	U	4.00	ug/L	U	U	3.00	ug/L	U	U	3.20	ug/L	U
Cobalt	U	5.30	ug/L	U	U	7.00	ug/L	U	U	3.80	ug/L	U	U	5.30	ug/L	U
Copper	U	2.60	ug/L	U	U	6.70	ug/L	U	B	12.20	ug/L	U	U	2.60	ug/L	U
Iron	B	17.20	ug/L	-	U	4.80	ug/L	U	B	31.20	ug/L	U	B	4.60	ug/L	U
Lead	N*	0.33	ug/L	J	U	0.33	ug/L	U	U	0.70	ug/L	U	BW	1.90	ug/L	UJ
Magnesium	U	68.10	ug/L	U	U	39.20	ug/L	U	B	21.80	ug/L	U	U	68.10	ug/L	U
Manganese	U	0.60	ug/L	U	U	0.56	ug/L	U	B	1.50	ug/L	U	U	0.60	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	15.00	ug/L	U	U	15.10	ug/L	U	U	17.80	ug/L	U	U	15.00	ug/L	U
Potassium	B	393.00	ug/L	U	U	647.00	ug/L	U	U	2170.00	ug/L	U	U	341.00	ug/L	U
Selenium	B	0.93	ug/L	U	U	1.30	ug/L	U	U	0.80	ug/L	U	B	0.99	ug/L	U
Silver	U	3.20	ug/L	U	U	6.90	ug/L	U	U	3.40	ug/L	U	U	3.20	ug/L	U
Sodium	B	32.60	ug/L	U	U	35.80	ug/L	U	B	152.00	ug/L	U	B	126.00	ug/L	U
Thallium	U	0.44	ug/L	U	UW	0.89	ug/L	UJ	U	0.90	ug/L	U	U	0.40	ug/L	U
Vanadium	U	3.00	ug/L	U	B	5.50	ug/L	U	B	3.20	ug/L	U	U	3.00	ug/L	U
Zinc	B	11.40	ug/L	U	B	5.40	ug/L	U	B	19.90	ug/L	U	B	4.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 8B - Plant 8 Maintenance Building
Analytical Results - Metals

Material:		DI WATER		
QA Type:		RINSATE		
Process Area:		1		
Sample:		8B-005		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	61.60	ug/L	-
Antimony	U	48.00	ug/L	U
Arsenic	UW	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	160.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	100.00	ug/L	-
Lead		153.00	ug/L	-
Magnesium	B	38.80	ug/L	U
Manganese	B	1.40	ug/L	-
Mercury	B	0.08	ug/L	-
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	UW	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	49.90	ug/L	-
Thallium	U	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc		22.20	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				3				4				5			
Sample:	9A-008				9A-013				9A-021				9A-027				9A-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	B	83.60	ug/L	-	B	96.70	ug/L	-	B	129.00	ug/L	-	B	109.00	ug/L	-	U	18.80	ug/L	U
Antimony	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U	B	59.80	ug/L	-
Arsenic	U	1.30	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U	U	0.90	ug/L	U
Barium	B	2.50	ug/L	U	B	2.50	ug/L	U	B	4.20	ug/L	U	B	3.70	ug/L	-	B	2.50	ug/L	-
Beryllium	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U
Calcium	B	1130.00	ug/L	-	B	1190.00	ug/L	-	B	1360.00	ug/L	-	B	1200.00	ug/L	-	B	1330.00	ug/L	-
Chromium	U	3.00	ug/L	U	U	3.00	ug/L	U	B	4.30	ug/L	U	B	3.00	ug/L	U	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U
Copper	B	12.00	ug/L	U	B	14.50	ug/L	U	B	17.30	ug/L	U	B	17.00	ug/L	U	B	7.60	ug/L	U
Iron		153.00	ug/L	U		204.00	ug/L	U		333.00	ug/L	-		126.00	ug/L	U	B	26.30	ug/L	U
Lead	U	0.70	ug/L	U		9.50	ug/L	-	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.90	ug/L	U
Magnesium	B	262.00	ug/L	-	B	279.00	ug/L	-	B	302.00	ug/L	-	B	279.00	ug/L	-	B	279.00	ug/L	-
Manganese	B	3.90	ug/L	U	B	3.70	ug/L	U	B	5.00	ug/L	U	B	5.00	ug/L	U	B	0.87	ug/L	-
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	B	22.70	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	1.10	ug/L	U	UN	1.10	ug/L	U	UN	1.10	ug/L	U	UN	1.10	ug/L	U	U	1.10	ug/L	U
Silver	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U
Sodium	B	313.00	ug/L	U	B	210.00	ug/L	U	B	275.00	ug/L	U	B	309.00	ug/L	U	B	225.00	ug/L	U
Thallium	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.50	ug/L	U
Vanadium	U	2.50	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U	B	3.30	ug/L	U	B	4.80	ug/L	U
Zinc	BE	12.20	ug/L	U	BE	13.80	ug/L	U	E	49.00	ug/L	-	E	41.40	ug/L	-	B	10.00	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Metals

Material:	DI WATER			DI WATER			DI WATER		
QA Type:	FIELD BLANK			FIELD BLANK			FIELD BLANK		
Process Area:	1			6			6		
Sample:	9A-036A			9A-040			9A-046		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals									
Aluminum	U	18.80	ug/L U	U	18.80	ug/L U	B	19.00	ug/L -
Antimony	U	35.20	ug/L U	U	35.20	ug/L U	B	49.20	ug/L -
Arsenic	U	0.90	ug/L U	U	0.90	ug/L U	U	0.90	ug/L U
Barium	B	2.20	ug/L -	B	1.70	ug/L -	B	1.70	ug/L -
Beryllium	U	2.40	ug/L U	U	2.40	ug/L U	U	2.40	ug/L U
Cadmium	U	2.70	ug/L U	U	2.70	ug/L U	U	2.70	ug/L U
Calcium	B	1250.00	ug/L -	B	1220.00	ug/L -	B	1160.00	ug/L -
Chromium	U	3.00	ug/L U	U	3.00	ug/L U	U	3.00	ug/L U
Cobalt	U	3.80	ug/L U	U	3.80	ug/L U	U	3.80	ug/L U
Copper	B	7.80	ug/L U	B	6.50	ug/L U	B	7.50	ug/L U
Iron	B	45.90	ug/L U	B	30.90	ug/L U	B	14.60	ug/L U
Lead	U	0.90	ug/L U	U	0.90	ug/L U	U	0.90	ug/L U
Magnesium	B	284.00	ug/L -	B	274.00	ug/L -	B	267.00	ug/L -
Manganese	B	0.71	ug/L -	B	1.10	ug/L -	U	0.70	ug/L U
Mercury	U	0.10	ug/L U	U	0.10	ug/L U	U	0.10	ug/L U
Nickel	U	17.80	ug/L U	U	17.80	ug/L U	U	17.80	ug/L U
Potassium	U	2170.00	ug/L U	U	2170.00	ug/L U	U	2170.00	ug/L U
Selenium	U	1.10	ug/L U	U	1.10	ug/L U	U	1.10	ug/L U
Silver	U	3.40	ug/L U	U	3.40	ug/L U	U	3.40	ug/L U
Sodium	B	252.00	ug/L U	B	291.00	ug/L U	B	209.00	ug/L U
Thallium	U	0.50	ug/L U	U	0.50	ug/L U	U	0.50	ug/L U
Vanadium	U	2.50	ug/L U	U	2.50	ug/L U	U	2.50	ug/L U
Zinc	B	10.00	ug/L -	B	18.80	ug/L -	B	8.40	ug/L -

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Facility
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	9B-013A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	37.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	3.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	328.00	ug/L	U
Chromium	U	5.00	ug/L	U
Cobalt	U	12.00	ug/L	U
Copper	U	5.00	ug/L	U
Iron	B	19.50	ug/L	-
Lead	U	1.00	ug/L	U
Magnesium	B	102.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	B	110.00	ug/L	-
Selenium	U	2.00	ug/L	U
Silver	BW	2.00	ug/L	UJ
Sodium	B	183.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 10B - Boiler Plant Maintenance Bldg.
Analytical Results - Metals

Material:	DI WATER
QA Type:	RINSATE
Process Area:	1
Sample:	10B-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	37.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	3.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	U	16.00	ug/L	U
Chromium	U	5.00	ug/L	U
Cobalt	U	12.00	ug/L	U
Copper	U	5.00	ug/L	U
Iron	U	14.00	ug/L	U
Lead	B	1.10	ug/L	-
Magnesium	U	72.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	84.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	2.00	ug/L	U
Sodium	B	287.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	10D-005			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	49.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium		15.50	ug/L	-
Cobalt	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U
Iron	*	113.00	ug/L	-
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	B	12.40	ug/L	U
Potassium	U	364.00	ug/L	U
Selenium	UW	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	107.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B	13.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 11 - Service Building
Analytical Results - Metals

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	11-003A				11-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals								
Aluminum	B	72.70	ug/L	U	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U	UN	48.00	ug/L	U
Arsenic	UW	2.30	ug/L	U	UWN	0.83	ug/L	U
Barium	B	1.30	ug/L	U	U	1.00	ug/L	U
Beryllium	B	0.82	ug/L	U	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U	U	2.00	ug/L	U
Calcium	B	78.80	ug/L	U	B	235.00	ug/L	U
Chromium	U	8.00	ug/L	U	UEN	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U	U	5.00	ug/L	U
Copper	B	7.10	ug/L	U	U	3.00	ug/L	U
Iron	B	56.60	ug/L	U	U	7.00	ug/L	U
Lead		36.50	ug/L	-		4.10	ug/L	-
Magnesium	U	33.00	ug/L	U	U	33.00	ug/L	U
Manganese	B	1.20	ug/L	U	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U	U	7.00	ug/L	U
Potassium	B	2080.00	ug/L	-	UE	1190.00	ug/L	U
Selenium	U	1.20	ug/L	-	BWN	2.00	ug/L	U
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	102.00	ug/L	-	B	75.70	ug/L	U
Thallium	U	1.50	ug/L	-	BN	1.90	ug/L	U
Vanadium	U	5.00	ug/L	U	U	5.00	ug/L	U
Zinc		29.70	ug/L	-	B	5.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				1				1				2			
Sample:	12A-006				12A-009				12A-011				12A-013				12A-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																				
Aluminum	B	39.30	ug/L	-	U	94.00	ug/L	U	U	94.00	ug/L	U	U	78.40	ug/L	U	U	78.40	ug/L	U
Antimony	U	5.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U
Arsenic	U	2.00	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U
Barium	U	3.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Beryllium	U	4.00	ug/L	R	U	1.00	ug/L	U	U	1.00	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U
Cadmium	U	2.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U
Calcium	B	188.00	ug/L	U	U	135.00	ug/L	U	U	135.00	ug/L	U	B	144.00	ug/L	U	B	59.70	ug/L	U
Chromium	U	5.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Cobalt	U	12.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U
Copper	U	5.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U
Iron	B	56.40	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U	B	68.90	ug/L	U	B	34.20	ug/L	U
Lead	B	1.70	ug/L	U	U	2.80	ug/L	U	U	2.80	ug/L	U	U	1.10	ug/L	U	B	2.70	ug/L	-
Magnesium	B	81.80	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	B	26.50	ug/L	U	B	24.70	ug/L	U
Manganese	U	3.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U
Potassium	U	110.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U
Silver	U	2.00	ug/L	U	UN	5.00	ug/L	UJ	UJ	5.00	ug/L	UJ	U	3.40	ug/L	U	U	3.40	ug/L	U
Sodium	B	330.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	B	92.60	ug/L	U	B	96.70	ug/L	U
Thallium	U	1.00	ug/L	U	U	1.80	ug/L	U	U	1.80	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U
Zinc	B	12.70	ug/L	-		21.20	ug/L	-		20.80	ug/L	-	B	18.70	ug/L	U	B	15.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				3				4				1			
Sample:	12A-021				12A-025				12A-027				12A-036				12A-038			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	78.40	ug/L	U	U	78.40	ug/L	U	U	78.40	ug/L	U	U	78.40	ug/L	U	U	78.40	ug/L	U
Antimony	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U
Arsenic	U	1.30	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U	UW	1.30	ug/L	U
Barium	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Beryllium	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U
Calcium	B	92.90	ug/L	U	B	94.20	ug/L	U	B	197.00	ug/L	U	B	71.40	ug/L	U	B	77.60	ug/L	U
Chromium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3:80	ug/L	U
Copper	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U	B	3.50	ug/L	U	U	2.40	ug/L	U
Iron	B	11.90	ug/L	U	B	41.20	ug/L	U	B	18.10	ug/L	U	B	21.10	ug/L	U	B	21.10	ug/L	U
Lead	B	1.40	ug/L	-	U	1.10	ug/L	U	U	1.10	ug/L	U		6.70	ug/L	-	U	1.10	ug/L	U
Magnesium	B	52.20	ug/L	U	B	41.00	ug/L	U	B	26.30	ug/L	U	B	23.70	ug/L	U	B	22.20	ug/L	U
Manganese	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	0.80	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U
Silver	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U
Sodium	B	182.00	ug/L	U	B	111.00	ug/L	U	B	127.00	ug/L	U	B	124.00	ug/L	U	B	99.50	ug/L	U
Thallium	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U
Vanadium	U	2.50	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U
Zinc	B	6.40	ug/L	U	B	5.00	ug/L	U		35.50	ug/L	U		45.00	ug/L	U	B	16.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Building
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	5				1				6			
Sample:	12A-043				12A-045				12A-051			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	U	78.40	ug/L	U	U	78.40	ug/L	U	U	78.40	ug/L	U
Antimony	U	35.20	ug/L	U	U	35.20	ug/L	U	U	35.20	ug/L	U
Arsenic	U	1.30	ug/L	U	U	1.30	ug/L	U	U	1.30	ug/L	U
Barium	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Beryllium	U	2.40	ug/L	U	U	2.40	ug/L	U	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U	U	2.70	ug/L	U	U	2.70	ug/L	U
Calcium	B	113.00	ug/L	U	B	57.30	ug/L	U	B	134.00	ug/L	U
Chromium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	3.80	ug/L	U	U	3.80	ug/L	U
Copper	U	2.40	ug/L	U	B	2.50	ug/L	U	B	4.20	ug/L	U
Iron	B	8.60	ug/L	U	B	25.20	ug/L	U	B	25.10	ug/L	U
Lead		8.70	ug/L	-	U	1.10	ug/L	U	B	1.30	ug/L	-
Magnesium	B	27.50	ug/L	U	B	39.00	ug/L	U	B	30.30	ug/L	U
Manganese	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U	U	17.80	ug/L	U	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U	U	2170.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	0.80	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U
Silver	U	3.40	ug/L	U	U	3.40	ug/L	U	U	3.40	ug/L	U
Sodium	B	127.00	ug/L	U	B	122.00	ug/L	U	B	81.50	ug/L	U
Thallium	U	0.90	ug/L	U	U	0.90	ug/L	U	U	0.90	ug/L	U
Vanadium	U	2.50	ug/L	U	U	2.50	ug/L	U	U	2.50	ug/L	U
Zinc	B	8.40	ug/L	U	B	10.90	ug/L	U	B	18.60	ug/L	U

001286

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				2				2				2			
Sample:	13A-006				13A-018				13A-025				13A-029				13A-034			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	B	122.00	ug/L	-	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	168.00	ug/L	U	U	135.00	ug/L	U	B	397.00	ug/L	U	B	652.00	ug/L	U	B	361.00	ug/L	U
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	B	36.80	ug/L	-	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	B	55.50	ug/L	U	U	26.00	ug/L	U	B	34.20	ug/L	U		105.00	ug/L	U	U	26.00	ug/L	U
Lead	U*	2.80	ug/L	UJ	UJ*	2.80	ug/L	UJ	UW*	2.80	ug/L	UJ	•	10.70	ug/L	J	U*	2.80	ug/L	UJ
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	B	95.30	ug/L	-	B	99.90	ug/L	-	U	95.00	ug/L	U
Manganese	B	8.30	ug/L	-	U	8.00	ug/L	U	B	9.70	ug/L	-	B	10.80	ug/L	-	U	8.00	ug/L	U
Mercury	UJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U		41.70	ug/L	-	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	B	523.00	ug/L	-	U	358.00	ug/L	U
Thallium	UJW	1.80	ug/L	UJ	UJ	1.80	ug/L	UJ	UW	1.80	ug/L	UJ	UW	1.80	ug/L	UJ	UW	1.80	ug/L	UJ
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc		22.30	ug/L	-	U	18.00	ug/L	U		20.70	ug/L	-		53.70	ug/L	-		25.70	ug/L	-

00128

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	2				2				2				3				3			
Sample:	13A-036				13A-039				13A-043				13A-050				13A-055			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U	U	0.70	ug/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	146.00	ug/L	-	U	135.00	ug/L	U	B	319.00	ug/L	-	B	152.00	ug/L	U	B	149.00	ug/L	U
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	B	49.20	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U	B	40.30	ug/L	U
Lead	UJ*	2.80	ug/L	UJ	J*	4.00	ug/L	J	J*	4.70	ug/L	J	•	5.60	ug/L	J	U*	2.80	ug/L	UJ
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	BUJ	0.10	ug/L	UJ	BUJ	0.10	ug/L	UJ	BUJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ	UJ	0.10	ug/L	UJ
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	UJW	1.80	ug/L	UJ	UJW	1.80	ug/L	UJ	UJW	1.80	ug/L	UJ	UJW	1.80	ug/L	UJ	UJW	1.80	ug/L	UJ
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	B	19.80	ug/L	-		29.20	ug/L	-		22.20	ug/L	-	U	18.00	ug/L	U	B	19.90	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	3				3				3				3				3			
Sample:	13A-059				13A-062				13A-063				13A-071				13A-075			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U	U	50.00	ug/L	U
Arsenic	U	0.70	ug/L	U	U	0.70	ug/L	U		1.60	ug/L	-	U	0.70	ug/L	U	U	0.70	ug/L	U
Barium	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	140.00	ug/L	U	U	135.00	ug/L	U	B	148.00	ug/L	-	U	135.00	ug/L	U	U	135.00	ug/L	U
Chromium	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U	U	24.00	ug/L	U
Iron	U	26.00	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U	U	26.00	ug/L	U
Lead	*	4.00	ug/L	J	U	2.80	ug/L	U	U	2.80	ug/L	U	UJ*	2.80	ug/L	UJ	J*	3.10	ug/L	J
Magnesium	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U	U	95.00	ug/L	U
Manganese	B	12.40	ug/L	-	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Mercury	UJ	0.10	ug/L	UJ	U	0.10	ug/L	U	U	0.10	ug/L	U	BUJ	0.10	ug/L	UJ	BUJ	0.10	ug/L	UJ
Nickel	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U	U	882.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Silver	U	5.00	ug/L	U	UJ	5.00	ug/L	UJ	UJ	5.00	ug/L	UJ	U	5.00	ug/L	U	U	5.00	ug/L	U
Sodium	B	459.00	ug/L	-	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U	U	358.00	ug/L	U
Thallium	UW	1.80	ug/L	UJ	U	1.80	ug/L	U	U	1.80	ug/L	U	UJN	1.80	ug/L	UJ	UJW	1.80	ug/L	UJ
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc		20.60	ug/L	-		31.60	ug/L	-		22.80	ug/L	-		26.30	ug/L	-	B	18.40	ug/L	-

8212

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank Farm
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	13D-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	189.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	419.00	ug/L	-
Chromium	B	6.20	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	2.00	ug/L	U
Iron	B	35.40	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	B	77.00	ug/L	-
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	B	516.00	ug/L	-
Selenium	UN	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	219.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc		77.90	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				3			
Sample:	15A-012				15A-014				15A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	B	64.20	ug/L	U	B	62.90	ug/L	U	B	31.10	ug/L	U
Antimony	U	46.00	ug/L	U	U	46.00	ug/L	U	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U	U	14.00	ug/L	U	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Calcium	B	85.50	ug/L	-	B	136.00	ug/L	-	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U	U	4.00	ug/L	U	B	4.40	ug/L	U
Cobalt	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Iron	B	15.20	ug/L	U	B	11.60	ug/L	U	B	30.80	ug/L	U
Lead	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U	U	48.00	ug/L	U	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U	U	0.20	ug/L	U	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Potassium	B	516.00	ug/L	-	U	364.00	ug/L	U	U	364.00	ug/L	U
Selenium	UWN	3.00	ug/L	U	UN	3.00	ug/L	U	UN	3.00	ug/L	U
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Sodium	B	112.00	ug/L	U	B	112.00	ug/L	U	B	146.00	ug/L	U
Thallium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Zinc	B	17.80	ug/L	U		21.80	ug/L	U	B	15.30	ug/L	U

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Metals

Material:	DI WATER			
QA Type:	RINSATE			
Process Area:	1			
Sample:	16A-004			
	LQ	RESULT	UNITS	VQ
etals				
Aluminum	B	33.20	ug/L	U
Antimony	U	21.00	ug/L	U
Arsenic	U	3.90	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.20	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	88.50	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	4.00	ug/L	U
Copper	B	4.90	ug/L	U
Iron	U	9.00	ug/L	U
Lead	B	2.70	ug/L	U
Magnesium	U	25.00	ug/L	U
Manganese	U	0.90	ug/L	U
Mercury	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	396.00	ug/L	U
Selenium	UW*	1.30	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	17.00	ug/L	U
Thallium	U	1.60	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	U	2.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Metals

Material:	DI WATER			
QA Type:	RINSATE			
Process Area:	1			
Sample:	16B-003			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	2.50	ug/L	U
Iron	U	10.00	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	U	364.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	201.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	U	3.00	ug/L	U

001233

3212

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				RINSATE				FIELD BLANK			
Process Area:	1				1				1				1			
Sample:	18A-003				18A-009				18A-019				18A-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Arsenic	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	B	79.80	ug/L	U	B	72.00	ug/L	U	B	210.00	ug/L	U	B	75.20	ug/L	U
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Iron		121.00	ug/L	U		123.00	ug/L	U	B	30.90	ug/L	U	U	17.00	ug/L	U
Lead	U*	1.00	ug/L	U	U*	1.00	ug/L	U	UW	1.00	ug/L	U	UW	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U	U	65.00	ug/L	U	B	230.00	ug/L	U	B	128.00	ug/L	U
Manganese	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	110.00	ug/L	U	U	110.00	ug/L	U	U	110.00	ug/L	U	U	110.00	ug/L	U
Selenium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	2.00	ug/L	U	UW	2.00	ug/L	U
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	UW	1.00	ug/L	UJ	UW	1.00	ug/L	UJ
Sodium	U	140.00	ug/L	U	B	166.00	ug/L	-	U	140.00	ug/L	U	U	140.00	ug/L	U
Thallium	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	B	9.90	ug/L	U	B	11.60	ug/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U

001234

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Metals

Material:		DI WATER		
QA Type:		RINSATE		
Process Area:		1		
Sample:		18B-008		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	1.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium		7.30	ug/L	U
Cadmium		7.20	ug/L	-
Calcium	B	1880.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	U	8.00	ug/L	U
Iron	B	88.70	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	B	1070.00	ug/L	-
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	15.00	ug/L	U
Potassium	B	110.00	ug/L	-
Selenium	U	2.00	ug/L	U
Silver	U	2.00	ug/L	U
Sodium	B	808.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc		33.80	ug/L	-

0012365

2173

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	FIELD BLANK			RINSATE		
Process Area:	1			1		
Sample:	18C-006			18C-007		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	B	25.30	ug/L U	U	19.30	ug/L U
Antimony	U	24.70	ug/L U	U	22.20	ug/L U
Arsenic	UW	1.00	ug/L U	U	2.40	ug/L U
Barium	B	1.00	ug/L -	U	0.60	ug/L U
Beryllium	U	0.44	ug/L U	U	0.40	ug/L U
Cadmium	U	1.40	ug/L U	U	1.30	ug/L U
Calcium	B	30.40	ug/L -	B	31.70	ug/L -
Chromium	U	3.60	ug/L U	U	3.20	ug/L U
Cobalt	U	5.90	ug/L U	U	5.30	ug/L U
Copper	U	2.90	ug/L U	U	2.60	ug/L U
Iron	B	9.20	ug/L -	B	11.80	ug/L U
Lead	U	0.33	ug/L U	B	1.60	ug/L U
Magnesium	U	75.70	ug/L U	U	68.10	ug/L U
Manganese	U	0.67	ug/L U	U	0.60	ug/L U
Mercury	U	0.10	ug/L U	U	0.10	ug/L U
Nickel	U	16.70	ug/L U	U	15.00	ug/L U
Potassium	U	379.00	ug/L U	U	341.00	ug/L U
Selenium	B	1.10	ug/L U	U	2.00	ug/L U
Silver	U	3.60	ug/L U	U	3.20	ug/L U
Sodium	B	43.40	ug/L -	B	47.90	ug/L U
Thallium	U	0.44	ug/L U	U	3.60	ug/L U
Vanadium	U	3.30	ug/L U	B	5.30	ug/L U
Zinc	B	11.40	ug/L -	B	8.50	ug/L -

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Basin
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK				RINSATE			
Process Area:	1				1				1				1			
Sample:	18E-003				18E-014				18E-018				18E-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	B	52.80	ug/L	U	B	50.40	ug/L	U	U	20.00	ug/L	U	B	21.30	ug/L	U
Antimony	U	48.00	ug/L	U	U	48.00	ug/L	U	U	48.00	ug/L	U	U	48.00	ug/L	U
Arsenic	U	0.83	ug/L	U	UW	0.83	ug/L	U	UN	2.40	ug/L	U	UN	2.40	ug/L	U
Barium	B	1.20	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Beryllium	B	0.34	ug/L	U	U	0.34	ug/L	U	U	0.34	ug/L	U	B	0.36	ug/L	U
Cadmium	B	3.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Calcium	B	140.00	ug/L	U	B	94.40	ug/L	U	B	70.00	ug/L	U	B	156.00	ug/L	U
Chromium	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	B	5.60	ug/L	-
Copper	B	4.20	ug/L	-	B	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U
Iron	B	51.70	ug/L	U		122.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Lead	U	1.40	ug/L	U	B	1.80	ug/L	-	B	2.40	ug/L	-		18.40	ug/L	-
Magnesium	B	79.20	ug/L	U	U	33.00	ug/L	U	U	33.00	ug/L	U	U	33.00	ug/L	U
Manganese	B	1.40	ug/L	U	B	0.96	ug/L	U	U	0.80	ug/L	U	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U	U	0.07	ug/L	U	U	0.07	ug/L	U	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U	U	7.00	ug/L	U
Potassium	B	1230.00	ug/L	U	U	1190.00	ug/L	U	U	1190.00	ug/L	U	U	1190.00	ug/L	U
Selenium	UW	1.20	ug/L	U	UW	1.20	ug/L	U	UW	1.20	ug/L	U	UW	1.20	ug/L	U
Silver	U	4.00	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U		11.60	ug/L	-
Sodium	B	809.00	ug/L	U	B	79.80	ug/L	U	BE	29.00	ug/L	U	BE	39.60	ug/L	U
Thallium	U	1.50	ug/L	U	U	1.50	ug/L	U	UN	1.50	ug/L	U	UN	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Zinc	B	8.50	ug/L	U		23.90	ug/L	U	B	6.20	ug/L	U	B	10.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	18J-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	UW	1.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium		7.70	ug/L	R
Cadmium	U	2.00	ug/L	U
Calcium	B	1710.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	UN	8.00	ug/L	U
Iron	B	56.80	ug/L	U
Lead	UN*	1.00	ug/L	R
Magnesium	B	990.00	ug/L	-
Manganese	UN	3.00	ug/L	U
Mercury	BN	0.17	ug/L	UJ
Nickel	U	15.00	ug/L	U
Potassium	B	130.00	ug/L	-
Selenium	UN	2.00	ug/L	R
Silver	U	2.00	ug/L	U
Sodium	B	708.00	ug/L	-
Thallium	UN	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc		24.00	ug/L	-

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	18K-002

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	UW	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	104.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	9.40	ug/L	U
Lead	U	0.86	ug/L	U
Magnesium	U	33.00	ug/L	U
Manganese	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	U	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	39.20	ug/L	U
Thallium	U	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	13.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	18L-002			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	U	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	B	0.38	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	121.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron		111.00	ug/L	-
Lead	N*	0.86	ug/L	-
Magnesium	U	33.00	ug/L	U
Manganese	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	U	1.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	83.90	ug/L	U
Thallium	U	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	U	4.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18M - High Nitrate Storage Tank
Analytical Results - Metals

Material:	DI WATER			
QA Type:	RINSATE			
Process Area:	1			
Sample:	18M-002			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	146.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	U	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	441.00	ug/L	-
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron		101.00	ug/L	U
Lead	U	0.86	ug/L	U
Magnesium	B	102.00	ug/L	U
Manganese	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U
Nickel	B	8.80	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	UW	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	15.00	ug/L	U
Thallium	U	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc		100.00	ug/L	-

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	2
Sample:	19D-014

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	94.00	ug/L	U
Antimony	U	50.00	ug/L	U
Arsenic	U	0.70	ug/L	U
Barium	U	20.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	135.00	ug/L	U
Chromium	U	9.00	ug/L	U
Cobalt	U	19.00	ug/L	U
Copper	U	24.00	ug/L	U
Iron	U	26.00	ug/L	U
Lead	U	2.80	ug/L	U
Magnesium	U	95.00	ug/L	U
Manganese	U	8.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	20.00	ug/L	U
Potassium	U	882.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	UN	5.00	ug/L	UJ
Sodium	U	358.00	ug/L	U
Thallium	U	1.80	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	18.00	ug/L	U

001302

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Area
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	22E-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	UW	1.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium		5.10	ug/L	R
Cadmium	B	4.10	ug/L	-
Calcium	B	1160.00	ug/L	-
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	UN	8.00	ug/L	U
Iron	U	35.00	ug/L	U
Lead	UN*	1.00	ug/L	R
Magnesium	B	725.00	ug/L	-
Manganese	BN	11.50	ug/L	J
Mercury	UN	0.10	ug/L	U
Nickel	U	15.00	ug/L	U
Potassium	B	300.00	ug/L	-
Selenium	UN	2.00	ug/L	R
Silver	U	2.00	ug/L	U
Sodium	B	775.00	ug/L	-
Thallium	BN	1.60	ug/L	UJ
Vanadium	U	13.00	ug/L	U
Zinc		46.90	ug/L	-

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 24B - Railroad Engine House
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	24B-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	2.00	ug/L	UJ
Barium	U	6.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	114.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	20.40	ug/L	U
Lead	UW	2.00	ug/L	UJ
Magnesium	U	58.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	B	0.14	ug/L	U
Nickel		40.40	ug/L	-
Potassium	U	905.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	7.00	ug/L	U
Sodium	B	56.10	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	U	3.00	ug/L	U
Zinc	B	14.70	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 25E - Digester & Control Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	25E-008

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	40.00	ug/L	U
Antimony	U	36.00	ug/L	U
Arsenic	UN*	2.00	ug/L	UJ
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	165.00	ug/L	U
Chromium	U	3.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	U	9.00	ug/L	U
Lead	UN	1.00	ug/L	UJ
Magnesium	U	45.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	10.00	ug/L	U
Potassium	U	670.00	ug/L	U
Selenium	UW	2.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	55.00	ug/L	U
Thallium	UW	3.00	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	6.30	ug/L	U

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	25F-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	24.30	ug/L	U
Antimony	U	26.50	ug/L	U
Arsenic	U	0.70	ug/L	U
Barium	B	3.20	ug/L	U
Beryllium	U	0.30	ug/L	U
Cadmium	UN	2.80	ug/L	U
Calcium	B	1730.00	ug/L	-
Chromium	U	2.90	ug/L	U
Cobalt	U	3.20	ug/L	U
Copper	B	7.80	ug/L	U
Iron	B	36.20	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	B	389.00	ug/L	U
Manganese	B	1.40	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.10	ug/L	U
Potassium	U	3160.00	ug/L	U
Selenium	U	0.70	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	B	190.00	ug/L	U
Thallium	U	1.10	ug/L	U
Vanadium	B	5.80	ug/L	U
Zinc	BE	13.00	ug/L	-

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25G - Primary Settling Basins
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	25G-006

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	40.00	ug/L	U
Antimony	U	36.00	ug/L	U
Arsenic	UJ	2.00	ug/L	UJ
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	837.00	ug/L	-
Chromium	U	4.10	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	U	45.00	ug/L	U
Lead	J	1.80	ug/L	J
Magnesium	U	139.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	10.00	ug/L	U
Potassium	U	670.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	55.00	ug/L	U
Thallium	U	3.00	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	18.10	ug/L	-

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Metals

Material:		DI WATER		
QA Type:		FIELD BLANK		
Process Area:		1		
Sample:		25H-006		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	29.40	ug/L	-
Antimony	U	26.50	ug/L	U
Arsenic	U	0.70	ug/L	U
Barium	B	3.20	ug/L	U
Beryllium	B	0.30	ug/L	U
Cadmium	UN	2.80	ug/L	U
Calcium	B	1650.00	ug/L	-
Chromium	U	2.90	ug/L	U
Cobalt	U	3.20	ug/L	U
Copper	B	7.60	ug/L	U
Iron	B	28.30	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	B	388.00	ug/L	U
Manganese	B	1.40	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.10	ug/L	U
Potassium	U	3160.00	ug/L	U
Selenium	U	0.70	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	B	178.00	ug/L	U
Thallium	UW	1.10	ug/L	U
Vanadium	B	5.90	ug/L	U
Zinc	BE	9.10	ug/L	-

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 26C - Main Electrical Strainer House
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	26C-008

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	95.30	ug/L	-
Antimony	U	46.00	ug/L	U
Arsenic	UN	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	194.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	2.50	ug/L	U
Iron	B	30.90	ug/L	U
Lead	U	2.00	ug/L	R
Magnesium	B	77.80	ug/L	-
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	B	375.00	ug/L	-
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	196.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc		58.60	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	31A-011			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	3.10	ug/L	U
Iron	U	10.00	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	B	12.80	ug/L	U
Potassium	B	1440.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	175.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B*	13.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 32B - Building 32 Covered Loading Dock
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	32B-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	78.40	ug/L	U
Antimony	U	35.20	ug/L	U
Arsenic	U	1.30	ug/L	U
Barium	U	0.70	ug/L	U
Beryllium	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U
Calcium	B	425.00	ug/L	U
Chromium	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U
Copper	B	2.80	ug/L	U
Iron	B	37.90	ug/L	U
Lead	U	1.10	ug/L	U
Magnesium	B	93.60	ug/L	U
Manganese	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U
Selenium	U	0.80	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	B	157.00	ug/L	U
Thallium	U	0.90	ug/L	U
Vanadium	U	2.50	ug/L	U
Zinc		30.50	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK				RINSATE			
Process Area:	1				2				3				4				4			
Sample:	37-006				37-008				37-012				37-016				37-017			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																				
Aluminum	U	19.30	ug/L	U	B	31.60	ug/L	U	B	40.00	ug/L	U	B	25.60	ug/L	U	B	53.90	ug/L	U
Antimony	U	22.20	ug/L	U	U	22.20	ug/L	U	U	22.20	ug/L	U	U	24.70	ug/L	U	U	24.70	ug/L	U
Arsenic	BN	1.20	ug/L	U	UNW	0.90	ug/L	U	UNW	0.90	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Barium	B	0.79	ug/L	U	U	0.60	ug/L	U	U	0.60	ug/L	U	U	0.67	ug/L	U	U	0.67	ug/L	U
Beryllium	U	0.40	ug/L	U	U	0.40	ug/L	U	U	0.40	ug/L	U	U	0.44	ug/L	U	B	0.69	ug/L	-
Cadmium	U	1.30	ug/L	U	U	1.30	ug/L	U	B	1.40	ug/L	U	U	1.40	ug/L	U	U	1.40	ug/L	U
Calcium	B	15.80	ug/L	U	B	73.30	ug/L	U	B	17.80	ug/L	U	B	25.50	ug/L	U	B	66.80	ug/L	U
Chromium	B	3.70	ug/L	U	U	3.20	ug/L	U	B	5.20	ug/L	U	U	3.60	ug/L	U	B	7.50	ug/L	U
Cobalt	U	5.30	ug/L	U	U	5.30	ug/L	U	U	5.30	ug/L	U	U	5.90	ug/L	U	B	7.80	ug/L	U
Copper	U	2.60	ug/L	U	B	5.40	ug/L	U	B	4.60	ug/L	U	B	6.10	ug/L	U	B	9.60	ug/L	U
Iron	B	21.00	ug/L	U	B	8.70	ug/L	U	B	5.10	ug/L	U	B	6.80	ug/L	U	B	14.20	ug/L	U
Lead	U	0.30	ug/L	U	U	0.30	ug/L	U	U	0.30	ug/L	U	U	0.33	ug/L	U	U	0.33	ug/L	U
Magnesium	U	68.10	ug/L	U	U	68.10	ug/L	U	U	68.10	ug/L	U	U	75.70	ug/L	U	U	75.70	ug/L	U
Manganese	U	0.60	ug/L	U	B	0.87	ug/L	U	B	0.62	ug/L	U	U	0.67	ug/L	U	B	2.20	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	15.00	ug/L	U	U	15.00	ug/L	U	U	15.00	ug/L	U	U	16.70	ug/L	U	U	16.70	ug/L	U
Potassium	U	341.00	ug/L	U	B	357.00	ug/L	U	B	801.00	ug/L	U	B	1200.00	ug/L	U	B	1810.00	ug/L	U
Selenium	B	2.90	ug/L	U	B	3.30	ug/L	U	B	1.40	ug/L	U	U	0.56	ug/L	U	B	0.94	ug/L	U
Silver	U	3.20	ug/L	U	U	3.20	ug/L	U	U	3.20	ug/L	U	B	4.00	ug/L	U	B	4.70	ug/L	U
Sodium	B	54.60	ug/L	U	B	34.30	ug/L	U	B	45.60	ug/L	U	B	59.80	ug/L	U	B	113.00	ug/L	U
Thallium	UN	0.40	ug/L	U	UN	0.40	ug/L	U	UN	0.40	ug/L	U	U	0.44	ug/L	U	U	0.44	ug/L	U
Vanadium	U	3.00	ug/L	U	U	3.00	ug/L	U	U	3.00	ug/L	U	B	4.40	ug/L	-	U	3.30	ug/L	U
Zinc	B	8.50	ug/L	U	U	2.20	ug/L	U	U	2.20	ug/L	U	B	6.40	ug/L	-	B	4.30	ug/L	-

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	5				6				7				7			
Sample:	37-019				37-024				37-029				37-032			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	B	37.30	ug/L	U	B	66.20	ug/L	U	B	54.00	ug/L	U	U	19.30	ug/L	U
Antimony	U	24.70	ug/L	U	U	24.70	ug/L	U	B	45.40	ug/L	U	U	22.20	ug/L	U
Arsenic	U	1.00	ug/L	U	U	1.00	ug/L	U	UNW	0.90	ug/L	U	U	2.40	ug/L	U
Barium	U	0.67	ug/L	U	B	0.67	ug/L	U	U	0.60	ug/L	U	U	0.60	ug/L	U
Beryllium	B	0.60	ug/L	-	B	0.53	ug/L	-	U	0.40	ug/L	U	U	0.40	ug/L	U
Cadmium	B	1.60	ug/L	U	B	2.10	ug/L	U	B	1.90	ug/L	U	U	1.30	ug/L	U
Calcium	B	46.80	ug/L	U	B	43.20	ug/L	U	B	37.30	ug/L	U	B	43.00	ug/L	U
Chromium	B	10.20	ug/L	U	B	7.10	ug/L	U	B	5.80	ug/L	U	B	5.00	ug/L	-
Cobalt	U	5.90	ug/L	U	B	6.60	ug/L	U	U	5.30	ug/L	U	U	5.30	ug/L	U
Copper	B	5.20	ug/L	U	B	12.20	ug/L	U	B	4.60	ug/L	U	U	2.60	ug/L	U
Iron	B	6.20	ug/L	U	B	11.90	ug/L	U	B	10.20	ug/L	U	B	18.00	ug/L	U
Lead	U	0.33	ug/L	U	B	0.33	ug/L	-	U	0.30	ug/L	U	U	1.30	ug/L	U
Magnesium	U	75.70	ug/L	U	U	75.70	ug/L	U	U	68.10	ug/L	U	U	68.10	ug/L	U
Manganese	U	0.67	ug/L	U	B	0.70	ug/L	U	B	0.75	ug/L	U	U	0.60	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	16.70	ug/L	U	U	16.70	ug/L	U	U	15.00	ug/L	U	U	15.00	ug/L	U
Potassium	B	2080.00	ug/L	U	B	1350.00	ug/L	U	B	714.00	ug/L	U	U	341.00	ug/L	U
Selenium	B	0.93	ug/L	U	B	0.77	ug/L	U	B	1.40	ug/L	U	U	2.00	ug/L	U
Silver	B	8.70	ug/L	U	B	5.30	ug/L	U	B	4.70	ug/L	U	U	3.20	ug/L	U
Sodium	B	23.50	ug/L	U	B	616.00	ug/L	U	B	49.20	ug/L	U	B	20.20	ug/L	U
Thallium	U	0.44	ug/L	U	U	0.44	ug/L	U	UN	0.40	ug/L	U	U	3.60	ug/L	U
Vanadium	U	3.30	ug/L	U	U	3.30	ug/L	U	B	3.80	ug/L	U	U	3.00	ug/L	U
Zinc	B	12.20	ug/L	-	B	3.10	ug/L	-	U	2.20	ug/L	U	B	6.60	ug/L	-

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				3				2				3			
Sample:	39A-009				39A-012				39A-018(TCLP)				39A-021				39A-027			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	90.00	ug/L	U	U	90.00	ug/L	U					U	90.00	ug/L	U	U	90.00	ug/L	U
Antimony	UW	5.00	ug/L	UJ	U	5.00	ug/L	U					U	5.00	ug/L	U	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U	U	2.00	ug/L	U	U	0.0050	mg/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U	U	2.00	ug/L	U	U	0.2000	mg/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U	U	4.00	ug/L	U					U	4.00	ug/L	U	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U	U	5.00	ug/L	U	U	0.0200	mg/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U
Calcium	U	31.00	ug/L	U	U	31.00	ug/L	U					U	31.00	ug/L	U	U	31.00	ug/L	U
Chromium	U	6.00	ug/L	U	U	6.00	ug/L	U	U	0.0300	mg/L	U	U	6.00	ug/L	U	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U	U	7.00	ug/L	U					U	7.00	ug/L	U	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U	U	8.00	ug/L	U					U	8.00	ug/L	U	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U	U	17.00	ug/L	U					U	17.00	ug/L	U	U	17.00	ug/L	U
Lead	UW	1.00	ug/L	U	U	1.00	ug/L	U	U	0.3900	mg/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U	U	65.00	ug/L	U					U	65.00	ug/L	U	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U	U	3.00	ug/L	U					U	3.00	ug/L	U	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.0005	mg/L	U	U	0.10	ug/L	U	B	0.11	ug/L	U
Nickel	U	11.00	ug/L	U	U	11.00	ug/L	U					U	11.00	ug/L	U	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U	U	121.00	ug/L	U					U	121.00	ug/L	U	U	121.00	ug/L	U
Selenium	UW	2.00	ug/L	UJ	UW	1.00	ug/L	U	U	0.0100	mg/L	U	U	2.00	ug/L	U	UW	2.00	ug/L	U
Silver	U	1.00	ug/L	U	U	1.00	ug/L	U	U	0.0350	mg/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U	U	140.00	ug/L	U					B	150.00	ug/L	U	U	140.00	ug/L	U
Thallium	U	1.00	ug/L	U	U	1.00	ug/L	U					U	1.00	ug/L	U	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U	U	12.00	ug/L	U					U	12.00	ug/L	U	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U	U	6.00	ug/L	U					U	6.00	ug/L	U	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	4
Sample:	39A-033A

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	90.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	U	31.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	1.00	ug/L	U
Sodium	U	140.00	ug/L	U
Thallium	B	1.00	ug/L	-
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant Incinerator
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	39D-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	78.40	ug/L	U
Antimony	U	35.20	ug/L	U
Arsenic	U	1.30	ug/L	U
Barium	U	0.70	ug/L	U
Beryllium	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U
Calcium	B	114.00	ug/L	U
Chromium	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U
Copper	B	2.80	ug/L	U
Iron	B	15.20	ug/L	U
Lead	U	1.10	ug/L	U
Magnesium	B	29.50	ug/L	U
Manganese	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U
Selenium	U	0.80	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	B	196.00	ug/L	U
Thallium	U	0.90	ug/L	U
Vanadium	U	2.50	ug/L	U
Zinc		21.80	ug/L	U

Appendix L.4 - Field Quality Control
Category 1 - Administrative Support
Component 45A - Rust Engineering Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	45A-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	169.00	ug/L	-
Antimony	U	35.20	ug/L	U
Arsenic	U	0.90	ug/L	U
Barium	B	3.50	ug/L	U
Beryllium	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U
Calcium	B	1620.00	ug/L	-
Chromium	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U
Copper	B	15.80	ug/L	U
Iron	B	83.40	ug/L	U
Lead	U	0.90	ug/L	U
Magnesium	B	389.00	ug/L	-
Manganese	B	4.80	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U
Selenium	U	1.10	ug/L	U
Silver	U	3.40	ug/L	U
Sodium	B	303.00	ug/L	U
Thallium	U	0.90	ug/L	U
Vanadium	B	3.30	ug/L	U
Zinc	B	11.10	ug/L	U

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Metals

Material:	DI WATER			DI WATER			DI WATER		
QA Type:	FIELD BLANK			RINSATE			RINSATE		
Process Area:	1			1			1		
Sample:	46-008			46-013			46-013A		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals									
Aluminum	U	19.00	ug/L U	U	34.50	ug/L U	BN*	96.00	ug/L -
Antimony	U	19.50	ug/L U	U	30.50	ug/L U	U	46.00	ug/L U
Arsenic	U	1.70	ug/L U	U	1.70	ug/L U	UN	3.00	ug/L U
Barium	U	1.30	ug/L U	U	1.30	ug/L U	U	14.00	ug/L U
Beryllium	U	0.30	ug/L U	U	0.30	ug/L U	U	1.00	ug/L U
Cadmium	U	1.80	ug/L U	U	2.20	ug/L U	U*	3.00	ug/L U
Calcium	B	69.40	ug/L U	B	176.00	ug/L U	B	289.00	ug/L -
Chromium	U	2.80	ug/L U	U	3.00	ug/L U	UN	4.00	ug/L U
Cobalt	U	2.90	ug/L U	U	3.20	ug/L U	U	8.00	ug/L U
Copper	U	4.50	ug/L U	U	4.50	ug/L U	BN*	2.20	ug/L U
Iron	B	10.10	ug/L U	B	10.80	ug/L U	B*	19.30	ug/L U
Lead	U	0.70	ug/L U	U	0.70	ug/L U	U	2.00	ug/L U
Magnesium	B	25.50	ug/L U	B	79.60	ug/L U	U	48.00	ug/L U
Manganese	B	0.78	ug/L U	U	0.93	ug/L U	UN	2.00	ug/L U
Mercury	U	0.10	ug/L U	U	0.10	ug/L U	UN	0.20	ug/L U
Nickel	U	4.90	ug/L U	U	11.40	ug/L U	U	8.00	ug/L U
Potassium	U	208.00	ug/L U	U	2710.00	ug/L U	U	364.00	ug/L U
Selenium	B	1.70	ug/L U	B	3.00	ug/L U	UN	3.00	ug/L U
Silver	U	4.20	ug/L U	U	4.20	ug/L U	U	4.00	ug/L U
Sodium	B	82.70	ug/L U	B	102.00	ug/L U	B	97.80	ug/L U
Thallium	U	2.70	ug/L U	U	2.70	ug/L U	U	4.00	ug/L U
Vanadium	U	9.80	ug/L U	U	9.80	ug/L U	UN	4.00	ug/L U
Zinc	B	4.20	ug/L U	B	4.90	ug/L -		77.00	ug/L -

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				RINSATE				FIELD BLANK				FIELD BLANK			
Process Area:	1				2				2				3				4			
Sample:	54A-004				54A-009				54A-012A				54A-014				54A-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																				
Aluminum	U	27.00	ug/L	U	U	18.80	ug/L	U	U	27.00	ug/L	U	U	27.00	ug/L	U	B	25.80	ug/L	-
Antimony	U	19.00	ug/L	U	U	35.20	ug/L	U	U	19.00	ug/L	U	U	19.00	ug/L	U	U	35.20	ug/L	U
Arsenic	UW	2.00	ug/L	UJ	U	0.90	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	0.90	ug/L	U
Barium	U	6.00	ug/L	U	B	1.70	ug/L	-	U	6.00	ug/L	U	U	6.00	ug/L	U	B	2.20	ug/L	-
Beryllium	U	1.00	ug/L	U	U	2.40	ug/L	U	U	1.00	ug/L	U	U	1.00	ug/L	U	U	2.40	ug/L	U
Cadmium	U	4.00	ug/L	U	U	2.70	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	U	2.70	ug/L	U
Calcium	B	152.00	ug/L	U	B	1180.00	ug/L	-	B	44.80	ug/L	-	B	62.00	ug/L	U	B	1230.00	ug/L	-
Chromium	UE	5.00	ug/L	U	U	3.00	ug/L	U	U	5.00	ug/L	U	UE	5.00	ug/L	U	U	3.00	ug/L	U
Cobalt	U	5.00	ug/L	U	U	3.80	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	3.80	ug/L	U
Copper	U	4.00	ug/L	U	B	7.10	ug/L	U	U	4.00	ug/L	U	U	4.00	ug/L	U	B	8.10	ug/L	U
Iron	B	16.50	ug/L	U	B	19.80	ug/L	U	B	11.70	ug/L	-	B	12.20	ug/L	U	B	45.20	ug/L	U
Lead	U	2.00	ug/L	U	U	0.90	ug/L	U	B	1.60	ug/L	U	U	2.00	ug/L	U	U	0.90	ug/L	U
Magnesium	B	131.00	ug/L	U	B	279.00	ug/L	-	U	29.00	ug/L	U	B	38.40	ug/L	U	B	343.00	ug/L	-
Manganese	B	1.80	ug/L	U	B	0.89	ug/L	-	U	1.00	ug/L	U	U	1.00	ug/L	U	U	0.70	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	9.00	ug/L	U	U	17.80	ug/L	U	U	9.00	ug/L	U	U	9.00	ug/L	U	U	17.80	ug/L	U
Potassium	U	938.00	ug/L	U	U	2170.00	ug/L	U	U	938.00	ug/L	U	U	938.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	2.00	ug/L	U	U	1.10	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	1.10	ug/L	U
Silver	U	5.00	ug/L	U	U	3.40	ug/L	U	U	5.00	ug/L	U	U	5.00	ug/L	U	U	3.40	ug/L	U
Sodium	B	94.80	ug/L	U	B	205.00	ug/L	U	U	48.00	ug/L	U	U	48.00	ug/L	U	B	198.00	ug/L	U
Thallium	UWN	2.00	ug/L	UJ	U	0.50	ug/L	U	U	2.00	ug/L	U	UN	2.00	ug/L	U	U	0.50	ug/L	U
Vanadium	UN	4.00	ug/L	U	U	2.50	ug/L	U	U	4.00	ug/L	U	UN	4.00	ug/L	U	U	2.50	ug/L	U
Zinc		28.40	ug/L	U	B	8.80	ug/L	-	B	12.80	ug/L	-	B	15.00	ug/L	U	B	15.60	ug/L	-

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 54A - Six to Four Reduction Facility #1
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	5				6				7				8			
Sample:	54A-025				54A-028				54A-034A				54A-039			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
etals																
Aluminum	U	18.80	ug/L	U	U	27.00	ug/L	U	U	90.00	ug/L	U	U	27.00	ug/L	U
Antimony	U	35.20	ug/L	U	U	19.00	ug/L	U	U	4.00	ug/L	U	U	19.00	ug/L	U
Arsenic	U	0.90	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U	U	2.00	ug/L	U
Barium	B	1.70	ug/L	-	U	6.00	ug/L	U	U	2.00	ug/L	U	U	6.00	ug/L	U
Beryllium	U	2.40	ug/L	U	U	1.00	ug/L	U	U	4.00	ug/L	U	U	1.00	ug/L	U
Cadmium	U	2.70	ug/L	U	U	4.00	ug/L	U	U	5.00	ug/L	U	U	4.00	ug/L	U
Calcium	B	1310.00	ug/L	-	B	32.50	ug/L	-	U	31.00	ug/L	U	U	20.00	ug/L	U
Chromium	U	3.00	ug/L	U	U	5.00	ug/L	U	U	6.00	ug/L	U	U	5.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	5.00	ug/L	U	U	7.00	ug/L	U	U	5.00	ug/L	U
Copper	B	6.00	ug/L	U	U	4.00	ug/L	U	U	8.00	ug/L	U	U	4.00	ug/L	U
Iron	B	11.10	ug/L	U	B	7.10	ug/L	-	U	17.00	ug/L	U	B	16.00	ug/L	-
Lead	U	0.90	ug/L	U	B	1.40	ug/L	U	U	2.00	ug/L	U	U	1.00	ug/L	U
Magnesium	B	290.00	ug/L	-	U	29.00	ug/L	U	U	65.00	ug/L	U	U	29.00	ug/L	U
Manganese	U	0.70	ug/L	U	U	1.00	ug/L	U	U	3.00	ug/L	U	U	1.00	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U	U	9.00	ug/L	U	U	11.00	ug/L	U	U	9.00	ug/L	U
Potassium	U	2170.00	ug/L	U	U	938.00	ug/L	U	U	110.00	ug/L	U	U	938.00	ug/L	U
Selenium	U	1.10	ug/L	U	U	2.00	ug/L	U	UW	1.00	ug/L	U	UN	2.00	ug/L	U
Silver	U	3.40	ug/L	U	U	5.00	ug/L	U	U	1.00	ug/L	U	U	5.00	ug/L	U
Sodium	B	361.00	ug/L	U	U	48.00	ug/L	U	U	140.00	ug/L	U	U	48.00	ug/L	U
Thallium	U	0.50	ug/L	U	U	2.00	ug/L	U	U	1.00	ug/L	U	U	2.00	ug/L	U
Vanadium	B	2.80	ug/L	U	U	4.00	ug/L	U	U	12.00	ug/L	U	U	4.00	ug/L	U
Zinc	B	18.40	ug/L	-	B	8.50	ug/L	U	U	6.00	ug/L	U	B	7.80	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55A - Slag Recycling Building
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	55A-004

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	27.00	ug/L	U
Antimony	U	49.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	U	31.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	6.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	U	9.00	ug/L	U
Lead	UW	1.00	ug/L	U
Magnesium	U	54.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	11.00	ug/L	U
Potassium	U	578.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	84.20	ug/L	U
Thallium	U	3.00	ug/L	U
Vanadium	U	6.00	ug/L	U
Zinc	U	3.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55B - Slag Recycling Pit/Elevator
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	55B-007			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	25.00	ug/L	U
Antimony	U	51.00	ug/L	U
Arsenic	U	0.83	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium	U	0.40	ug/L	U
Cadmium	B	2.50	ug/L	U
Calcium	U	122.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	2.00	ug/L	U
Iron	BE	42.70	ug/L	-
Lead		10.10	ug/L	U
Magnesium	U	27.00	ug/L	U
Manganese	B	0.92	ug/L	U
Mercury	U	0.06	ug/L	U
Nickel	U	9.00	ug/L	U
Potassium	U	1440.00	ug/L	U
Selenium	U	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	144.00	ug/L	U
Thallium	UN	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc		25.60	ug/L	U

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 63 - KC-2 Warehouse
Analytical Results - Metals

Material:		DI WATER		
QA Type:		RINSATE		
Process Area:		1		
Sample:		63-004		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	37.50	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	71.30	ug/L	-
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	3.10	ug/L	U
Iron	B	22.70	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	B	13.20	ug/L	U
Potassium	B	667.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	119.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B*	15.80	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Building
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK		
Process Area:	3			3		
Sample:	66-013			66-018		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	U	51.20	ug/L U	BN*	50.00	ug/L -
Antimony	U	26.50	ug/L U	U	46.00	ug/L U
Arsenic	U	1.20	ug/L U	UN	3.00	ug/L U
Barium	U	2.20	ug/L U	U	14.00	ug/L U
Beryllium	U	0.30	ug/L U	U	1.00	ug/L U
Cadmium	U	2.80	ug/L U	U*	3.00	ug/L U
Calcium	B	33.70	ug/L U	B	177.00	ug/L -
Chromium	U	4.20	ug/L U	UN	4.00	ug/L U
Cobalt	U	4.20	ug/L U	U	8.00	ug/L U
Copper	U	4.90	ug/L U	BN*	7.70	ug/L U
Iron	B	22.00	ug/L U	B*	20.40	ug/L U
Lead	U	0.40	ug/L U	U	2.00	ug/L U
Magnesium	U	56.30	ug/L U	U	48.00	ug/L U
Manganese	U	2.70	ug/L U	UN	2.00	ug/L U
Mercury	U	0.10	ug/L U	UN	0.20	ug/L U
Nickel	U	18.60	ug/L U	U	8.00	ug/L U
Potassium	U	3170.00	ug/L U	U	364.00	ug/L U
Selenium	U	1.80	ug/L U	UN	3.00	ug/L U
Silver	U	3.70	ug/L U	U	4.00	ug/L U
Sodium	B	156.00	ug/L -	B	88.00	ug/L U
Thallium	U	1.50	ug/L U	U	4.00	ug/L U
Vanadium	U	12.20	ug/L U	UN	4.00	ug/L U
Zinc	B	6.60	ug/L U		35.40	ug/L U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	69-010			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	31.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	UN	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	U	56.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	13.70	ug/L	U
Iron	B	11.80	ug/L	U
Lead		80.10	ug/L	R
Magnesium	U	48.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	B	9.50	ug/L	-
Potassium	U	364.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	317.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc		23.30	ug/L	U

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74A-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	33.40	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	U	0.83	ug/L	U
Barium	B	1.80	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	142.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	19.40	ug/L	U
Lead	B*	1.50	ug/L	U
Magnesium	U	33.00	ug/L	U
Manganese	U	0.80	ug/L	U
Mercury	UN	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	U	1.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	486.00	ug/L	U
Thallium	UN	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	11.20	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	74C-005

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	UW	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	223.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	9.20	ug/L	U
Lead	BN	1.80	ug/L	U
Magnesium	B	209.00	ug/L	-
Manganese	U	0.80	ug/L	U
Mercury		0.27	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	U	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	207.00	ug/L	U
Thallium	UW	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	BN	13.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74D-004			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	U	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	363.00	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	32.50	ug/L	U
Lead	U	1.40	ug/L	U
Magnesium	B	246.00	ug/L	-
Manganese	U	0.80	ug/L	U
Mercury	U	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	B	1950.00	ug/L	U
Selenium	UW	1.20	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	341.00	ug/L	U
Thallium	UW	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	6.50	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	FIELD BLANK			RINSATE		
Process Area:	1			1		
Sample:	74G-004			74G-007		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	B	61.50	ug/L U	U	31.00	ug/L U
Antimony	U	46.00	ug/L U	U	46.00	ug/L U
Arsenic	U	3.00	ug/L U	U	3.00	ug/L U
Barium	U	14.00	ug/L U	U	14.00	ug/L U
Beryllium	U	1.00	ug/L U	U	1.00	ug/L U
Cadmium	U	3.00	ug/L U	U	3.00	ug/L U
Calcium	U	56.00	ug/L U	U	56.00	ug/L U
Chromium	U	4.00	ug/L U	U	4.00	ug/L U
Cobalt	U	8.00	ug/L U	U	8.00	ug/L U
Copper	U	2.00	ug/L U	U	2.00	ug/L U
Iron	B*	10.60	ug/L U	U*	10.00	ug/L U
Lead	UW	2.00	ug/L U	U	2.00	ug/L U
Magnesium	U	48.00	ug/L U	U	48.00	ug/L U
Manganese	U	2.00	ug/L U	U	2.00	ug/L U
Mercury	U	0.20	ug/L U	U	0.20	ug/L U
Nickel	U	8.00	ug/L U	U	8.00	ug/L U
Potassium	U	364.00	ug/L U	U	364.00	ug/L U
Selenium	UW	3.00	ug/L U	UW	3.00	ug/L U
Silver	U	4.00	ug/L U	U	4.00	ug/L U
Sodium	B	103.00	ug/L U	B	91.40	ug/L U
Thallium	U	4.00	ug/L U	U	4.00	ug/L U
Vanadium	U	4.00	ug/L U	U	4.00	ug/L U
Zinc	B	8.80	ug/L U	B	6.80	ug/L U

3 2 1 2

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74J - Plant 6 Pads
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74J-003A			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	BW	2.20	ug/L	J
Barium	U	6.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	88.50	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	59.70	ug/L	U
Lead	UW	2.00	ug/L	UJ
Magnesium	U	58.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	B	0.14	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	905.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	7.00	ug/L	U
Sodium	B	79.10	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	U	3.00	ug/L	U
Zinc	B	10.40	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74K - Plant 9 Pad
Analytical Results - Metals

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	74K-003

	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	37.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	3.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	U	16.00	ug/L	U
Chromium	U	5.00	ug/L	U
Cobalt	U	12.00	ug/L	U
Copper	U	5.00	ug/L	U
Iron	U	14.00	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	B	102.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	U	0.10	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	B	150.00	ug/L	-
Selenium	U	2.00	ug/L	U
Silver	BW	2.30	ug/L	UJ
Sodium	B	297.00	ug/L	-
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	B	6.80	ug/L	-

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74L - Building 65 West Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74L-004			
	LQ	RESULT	UNITS	VQ
etals				
Aluminum	U	90.00	ug/L	U
Antimony	U	5.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium	U	4.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	U	31.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	8.00	ug/L	U
Iron	U	17.00	ug/L	U
Lead	U	1.00	ug/L	U
Magnesium	U	65.00	ug/L	U
Manganese	U	3.00	ug/L	U
Mercury	B	0.13	ug/L	U
Nickel	U	11.00	ug/L	U
Potassium	U	121.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	1.00	ug/L	U
Sodium	B	171.00	ug/L	U
Thallium	U	1.00	ug/L	U
Vanadium	U	12.00	ug/L	U
Zinc	U	6.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74M - Building 64 East Pad & R.R. Dock
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74M-003			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	2.00	ug/L	U
Barium	B	12.60	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	125.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	B	8.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	31.90	ug/L	U
Lead	UN*	2.00	ug/L	UJ
Magnesium	B	81.00	ug/L	U
Manganese	B	2.60	ug/L	U
Mercury	B	0.14	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	905.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	B	7.60	ug/L	-
Sodium	B	105.00	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	B	5.80	ug/L	U
Zinc	B	7.70	ug/L	U

8212

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74N-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	48.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	UW	2.00	ug/L	UJ
Barium	U	6.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	5.00	ug/L	U
Calcium	B	336.00	ug/L	U
Chromium	U	6.00	ug/L	U
Cobalt	U	7.00	ug/L	U
Copper	U	7.00	ug/L	U
Iron	B	31.40	ug/L	U
Lead	UW	2.00	ug/L	UJ
Magnesium	U	58.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	B	0.14	ug/L	U
Nickel	U	12.00	ug/L	U
Potassium	U	905.00	ug/L	U
Selenium	UW	2.00	ug/L	UJ
Silver	U	7.00	ug/L	U
Sodium	B	70.00	ug/L	U
Thallium	U	2.00	ug/L	U
Vanadium	U	3.00	ug/L	U
Zinc		34.20	ug/L	-

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74P - Decontamination Pad
Analytical Results - Metals

Material:		DI WATER		
QA Type:		RINSATE		
Process Area:		1		
Sample:		74P-002		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	B	48.00	ug/L	-
Antimony	U	46.00	ug/L	U
Arsenic	UN	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	456.00	ug/L	-
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	B	3.60	ug/L	U
Iron	B	15.70	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	B	208.00	ug/L	-
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	B	510.00	ug/L	-
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	638.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B	9.70	ug/L	U

001335

2123

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissolver Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74Q-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	49.00	ug/L	U
Antimony	U	15.00	ug/L	U
Arsenic	UW	1.00	ug/L	U
Barium	U	2.00	ug/L	U
Beryllium		5.80	ug/L	R
Cadmium	U	2.00	ug/L	U
Calcium	B	128.00	ug/L	U
Chromium	U	7.00	ug/L	U
Cobalt	U	11.00	ug/L	U
Copper	UN	8.00	ug/L	U
Iron	U	35.00	ug/L	U
Lead	UN*	1.00	ug/L	R
Magnesium	B	55.50	ug/L	U
Manganese	UN	3.00	ug/L	U
Mercury	N	1.00	ug/L	UJ
Nickel	U	15.00	ug/L	U
Potassium	U	84.00	ug/L	U
Selenium	UNW	2.00	ug/L	R
Silver	U	2.00	ug/L	U
Sodium	U	126.00	ug/L	U
Thallium	UN	1.00	ug/L	U
Vanadium	U	13.00	ug/L	U
Zinc	B	8.40	ug/L	-

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74R-008			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	40.00	ug/L	U
Antimony	U	36.00	ug/L	U
Arsenic	UN*	2.00	ug/L	UJ
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	128.00	ug/L	U
Chromium	B	3.60	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	B	61.60	ug/L	U
Lead	UN	1.00	ug/L	UJ
Magnesium	U	45.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	10.00	ug/L	U
Potassium	U	670.00	ug/L	U
Selenium	U	2.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	U	55.00	ug/L	U
Thallium	U	3.00	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	13.20	ug/L	U

004337

82128

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				1				1			
Sample:	74T-006				74T-011A				74T-014			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals												
Aluminum	U	51.20	ug/L	U	U	20.00	ug/L	U	U	51.20	ug/L	U
Antimony	U	24.80	ug/L	U	U	48.00	ug/L	U	U	24.80	ug/L	U
Arsenic	U	1.20	ug/L	U	UW	2.40	ug/L	U	U	1.20	ug/L	U
Barium	U	2.20	ug/L	U	U	1.00	ug/L	U	U	2.20	ug/L	U
Beryllium	B	0.61	ug/L	U	U	0.34	ug/L	U	B	0.61	ug/L	U
Cadmium	U	1.60	ug/L	U	U	2.00	ug/L	U	U	1.60	ug/L	U
Calcium	B	97.20	ug/L	U	B	758.00	ug/L	-	B	63.70	ug/L	U
Chromium	U	4.20	ug/L	U	U	8.00	ug/L	U	U	4.20	ug/L	U
Cobalt	U	4.20	ug/L	U	U	5.00	ug/L	U	U	4.20	ug/L	U
Copper	U	4.90	ug/L	U	U	3.00	ug/L	U	U	4.90	ug/L	U
Iron	B	8.00	ug/L	U	B	30.00	ug/L	U	B	30.70	ug/L	U
Lead	U	1.00	ug/L	U	B	2.10	ug/L	U	U	1.00	ug/L	U
Magnesium	U	32.30	ug/L	U	B	220.00	ug/L	U	U	32.30	ug/L	U
Manganese	U	2.70	ug/L	U	B	1.30	ug/L	U	U	2.70	ug/L	U
Mercury	U	0.10	ug/L	U	B	0.18	ug/L	-	U	0.10	ug/L	U
Nickel	U	18.60	ug/L	U	U	7.00	ug/L	U	U	18.60	ug/L	U
Potassium	U	263.00	ug/L	U	U	1190.00	ug/L	U	B	317.00	ug/L	-
Selenium	U	0.90	ug/L	U	U	1.20	ug/L	U	U	0.90	ug/L	U
Silver	UN	3.70	ug/L	R	U	4.00	ug/L	U	UN	3.70	ug/L	R
Sodium	B	57.80	ug/L	U	B	112.00	ug/L	-	B	75.60	ug/L	U
Thallium	U	1.50	ug/L	U	U	1.50	ug/L	U	U	1.50	ug/L	U
Vanadium	U	12.20	ug/L	U	U	5.00	ug/L	U	U	12.20	ug/L	U
Zinc	B	3.40	ug/L	U	B	16.00	ug/L	-	B	3.70	ug/L	U

00133

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	74W-006			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	20.00	ug/L	U
Antimony	U	48.00	ug/L	U
Arsenic	UW	0.83	ug/L	U
Barium	U	1.00	ug/L	U
Beryllium	U	0.34	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	B	84.60	ug/L	U
Chromium	U	8.00	ug/L	U
Cobalt	U	5.00	ug/L	U
Copper	U	3.00	ug/L	U
Iron	B	12.80	ug/L	U
Lead	*	4.20	ug/L	U
Magnesium	U	33.00	ug/L	U
Manganese	U	0.80	ug/L	U
Mercury	UN	0.07	ug/L	U
Nickel	U	7.00	ug/L	U
Potassium	U	1190.00	ug/L	U
Selenium	U	1.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	111.00	ug/L	U
Thallium	UN	1.50	ug/L	U
Vanadium	U	5.00	ug/L	U
Zinc	B	8.20	ug/L	U

001339

2123

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 81 - Plant 9 Warehouse
Analytical Results - Metals

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	81-004A			
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum	U	27.00	ug/L	U
Antimony	U	49.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	23.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	2.00	ug/L	U
Calcium	U	31.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	6.00	ug/L	U
Copper	U	4.00	ug/L	U
Iron	U	9.00	ug/L	U
Lead	UW	1.00	ug/L	U
Magnesium	U	54.00	ug/L	U
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	11.00	ug/L	U
Potassium	U	578.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	71.30	ug/L	U
Thallium	U	3.00	ug/L	U
Vanadium	U	6.00	ug/L	U
Zinc	B	3.30	ug/L	U

001540

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Metals

Material:		DI WATER		
QA Type:		FIELD BLANK		
Process Area:		1		
Sample:		88-002		
	LQ	RESULT	UNITS	VQ
Metals				
Aluminum		344.00	ug/L	U
Antimony	U	46.00	ug/L	U
Arsenic	U	3.00	ug/L	U
Barium	U	14.00	ug/L	U
Beryllium	U	1.00	ug/L	U
Cadmium	U	3.00	ug/L	U
Calcium	B	615.00	ug/L	U
Chromium	U	4.00	ug/L	U
Cobalt	U	8.00	ug/L	U
Copper	U	2.00	ug/L	U
Iron	B	25.70	ug/L	U
Lead	U	2.00	ug/L	U
Magnesium	B	126.00	ug/L	-
Manganese	U	2.00	ug/L	U
Mercury	U	0.20	ug/L	U
Nickel	U	8.00	ug/L	U
Potassium	B	1640.00	ug/L	U
Selenium	U	3.00	ug/L	U
Silver	U	4.00	ug/L	U
Sodium	B	116.00	ug/L	U
Thallium	U	4.00	ug/L	U
Vanadium	U	4.00	ug/L	U
Zinc	B	16.30	ug/L	U

001341

8212

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Metals

Material:	DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK		
Process Area:	1			1		
Sample:	G3-003			G3-004		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Metals						
Aluminum	B	34.90	ug/L U	B	44.80	ug/L U
Antimony	B	46.80	ug/L -	U	46.00	ug/L U
Arsenic	U	3.00	ug/L U	U	3.00	ug/L U
Barium	U	14.00	ug/L U	U	14.00	ug/L U
Beryllium	U	1.00	ug/L U	U	1.00	ug/L U
Cadmium	U	3.00	ug/L U	U	3.00	ug/L U
Calcium	U	56.00	ug/L U	B	167.00	ug/L -
Chromium	U	4.00	ug/L U	U	4.00	ug/L U
Cobalt	U	8.00	ug/L U	U	8.00	ug/L U
Copper	U	2.00	ug/L U	U	2.00	ug/L U
Iron	B	14.60	ug/L U	B	10.50	ug/L U
Lead	U	2.00	ug/L U	U	2.00	ug/L U
Magnesium	U	48.00	ug/L U	U	48.00	ug/L U
Manganese	U	2.00	ug/L U	U	2.00	ug/L U
Mercury	U	0.20	ug/L U	U	0.20	ug/L U
Nickel	U	8.00	ug/L U	U	8.00	ug/L U
Potassium	U	364.00	ug/L U	U	364.00	ug/L U
Selenium	UN	3.00	ug/L U	UN	3.00	ug/L U
Silver	U	4.00	ug/L U	U	4.00	ug/L U
Sodium	B	194.00	ug/L U	B	147.00	ug/L U
Thallium	U	4.00	ug/L U	U	4.00	ug/L U
Vanadium	U	4.00	ug/L U	U	4.00	ug/L U
Zinc	B	12.70	ug/L U	B	8.80	ug/L U

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Metals

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				RINSATE				FIELD BLANK			
Process Area:	1				2				5				1			
Sample:	G13-002				G13-005				G13-012				G13-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Metals																
Aluminum	U	78.40	ug/L	U	B	79.80	ug/L	U	U	51.20	ug/L	U	B	95.30	ug/L	U
Antimony	U	35.20	ug/L	U	U	24.70	ug/L	U	U	30.50	ug/L	U	U	35.20	ug/L	U
Arsenic	U	1.30	ug/L	U	UW	1.00	ug/L	U	U	1.20	ug/L	U	U	1.30	ug/L	U
Barium	B	1.20	ug/L	U	U	0.67	ug/L	U	U	2.20	ug/L	U	B	1.20	ug/L	U
Beryllium	U	2.40	ug/L	U	U	0.44	ug/L	U	U	0.30	ug/L	U	U	2.40	ug/L	U
Cadmium	U	2.70	ug/L	U	U	1.40	ug/L	U	U	2.80	ug/L	U	U	2.70	ug/L	U
Calcium	B	164.00	ug/L	U	B	204.00	ug/L	U	B	34.80	ug/L	U	B	551.00	ug/L	U
Chromium	U	3.00	ug/L	U	U	3.60	ug/L	U	U	4.20	ug/L	U	U	3.00	ug/L	U
Cobalt	U	3.80	ug/L	U	U	5.90	ug/L	U	U	4.20	ug/L	U	U	3.80	ug/L	U
Copper	B	8.90	ug/L	U	U	2.90	ug/L	U	U	4.90	ug/L	U	B	9.80	ug/L	U
Iron	B	15.20	ug/L	U	B	27.50	ug/L	U	B	30.20	ug/L	U	B	43.30	ug/L	U
Lead	U	1.10	ug/L	U	U	0.33	ug/L	U	U	0.40	ug/L	U	U	0.70	ug/L	U
Magnesium	B	39.00	ug/L	U	B	102.00	ug/L	-	U	56.30	ug/L	U	B	134.00	ug/L	-
Manganese	B	1.40	ug/L	U	B	1.40	ug/L	-	U	2.70	ug/L	U	B	2.40	ug/L	U
Mercury	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U	U	0.10	ug/L	U
Nickel	U	17.80	ug/L	U	U	16.70	ug/L	U	U	18.60	ug/L	U	U	17.80	ug/L	U
Potassium	U	2170.00	ug/L	U	U	379.00	ug/L	U	U	3170.00	ug/L	U	U	2170.00	ug/L	U
Selenium	U	0.80	ug/L	U	B	0.84	ug/L	U	U	1.80	ug/L	U	U	0.80	ug/L	U
Silver	U	3.40	ug/L	U	U	3.60	ug/L	U	U	3.70	ug/L	U	U	3.40	ug/L	U
Sodium	B	141.00	ug/L	U	U	20.00	ug/L	U	B	71.60	ug/L	-	B	106.00	ug/L	U
Thallium	U	0.90	ug/L	U	U	0.44	ug/L	U	U	1.50	ug/L	U	U	0.90	ug/L	U
Vanadium	B	3.30	ug/L	U	U	3.30	ug/L	U	U	12.20	ug/L	U	B	3.10	ug/L	U
Zinc	B	9.70	ug/L	U	B	8.40	ug/L	U	B	5.90	ug/L	U	B	13.80	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK			
Process Area:	2				6			
Sample:	1A-007(TCLP)				1A-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane					U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane					U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane					U	10.00	ug/L	U
1,1-Dichloroethane					U	10.00	ug/L	U
1,1-Dichloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	0.0050	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)					U	10.00	ug/L	U
1,2-Dichloropropane					U	10.00	ug/L	U
2-Butanone	U	0.0200	mg/L	U	U	10.00	ug/L	UJ
2-Hexanone					U	10.00	ug/L	U
4-Methyl-2-pentanone					U	10.00	ug/L	U
Acetone						28.00	ug/L	J
Benzene	U	0.0050	mg/L	U	U	10.00	ug/L	U
Bromodichloromethane					J	3.00	ug/L	J
Bromoform					U	10.00	ug/L	U
Bromomethane					U	10.00	ug/L	U
Carbon Tetrachloride	U	0.0050	mg/L	U	U	10.00	ug/L	U
Carbon disulfide					U	10.00	ug/L	U
Chlorobenzene	U	0.0100	mg/L	U	U	10.00	ug/L	U
Chloroethane					U	10.00	ug/L	U
Chloroform	U	0.0050	mg/L	U		20.00	ug/L	-
Chloromethane					U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane					U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene					U	10.00	ug/L	U
Methylene chloride					U	10.00	ug/L	U
Styrene					U	10.00	ug/L	U
Tetrachloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U
Toluene					JB	10.00	ug/L	U
Trichloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	0.0100	mg/L	U	U	10.00	ug/L	U
Xylenes, Total					JB	10.00	ug/L	U
cis-1,3-Dichloropropene					U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene					U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene					U	10.00	ug/L	U
1,2-Dichlorobenzene					U	10.00	ug/L	U
1,3-Dichlorobenzene					U	10.00	ug/L	U
1,4-Dichlorobenzene					U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)					U	10.00	ug/L	U
2,4,5-Trichlorophenol					U	25.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Organics

Material:	DI WATER			DI WATER		
QA Type:	TRIP BLANK			FIELD BLANK		
Process Area:	2			6		
Sample:	1A-007(TCLP)			1A-029		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
2,4,6-Trichlorophenol				U	10.00 ug/L	U
2,4-Dichlorophenol				U	10.00 ug/L	U
2,4-Dimethylphenol				U	10.00 ug/L	U
2,4-Dinitrophenol				U	25.00 ug/L	U
2,4-Dinitrotoluene				U	10.00 ug/L	U
2,6-Dinitrotoluene				U	10.00 ug/L	U
2-Chloronaphthalene				U	10.00 ug/L	U
2-Chlorophenol				U	10.00 ug/L	U
2-Methylnaphthalene				U	10.00 ug/L	U
2-Nitroaniline				U	25.00 ug/L	U
2-Nitrophenol				U	10.00 ug/L	U
3,3'-Dichlorobenzidine				U	10.00 ug/L	U
3-Nitroaniline				U	25.00 ug/L	U
4,6-Dinitro-2-methylphenol				U	25.00 ug/L	U
4-Bromophenyl phenyl ether				U	10.00 ug/L	U
4-Chloro-3-methylphenol				U	10.00 ug/L	U
4-Chlorophenylphenyl ether				U	10.00 ug/L	U
4-Nitroaniline				U	25.00 ug/L	U
4-Nitrophenol				U	25.00 ug/L	U
Acenaphthene				U	10.00 ug/L	U
Acenaphthylene				U	10.00 ug/L	U
Anthracene				U	10.00 ug/L	U
Benzo(a)anthracene				U	10.00 ug/L	U
Benzo(a)pyrene				U	10.00 ug/L	U
Benzo(b)fluoranthene				U	10.00 ug/L	U
Benzo(g,h,i)perylene				U	10.00 ug/L	U
Benzo(k)fluoranthene				U	10.00 ug/L	U
Butyl benzyl phthalate				U	10.00 ug/L	U
Carbazole				U	10.00 ug/L	U
Chrysene				U	10.00 ug/L	U
Di-n-butyl phthalate				U	10.00 ug/L	U
Di-n-octyl phthalate				U	10.00 ug/L	U
Dibenzo(a,h)anthracene				U	10.00 ug/L	U
Dibenzofuran				U	10.00 ug/L	U
Diethyl phthalate				U	10.00 ug/L	U
Dimethyl phthalate				U	10.00 ug/L	U
Fluoranthene				U	10.00 ug/L	U
Fluorene				U	10.00 ug/L	U
Hexachlorobenzene				U	10.00 ug/L	U
Hexachlorobutadiene				U	10.00 ug/L	U
Hexachlorocyclopentadiene				U	10.00 ug/L	U
Hexachloroethane				U	10.00 ug/L	U
Indeno(1,2,3-cd)pyrene				U	10.00 ug/L	U
Isophorone				U	10.00 ug/L	U
N-Nitroso-di-n-propylamine				U	10.00 ug/L	U
N-Nitrosodiphenylamine				U	10.00 ug/L	U
Naphthalene				U	10.00 ug/L	U
Nitrobenzene				U	10.00 ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 1A - Preparation Plant
Analytical Results - Organics

Material:	DI WATER			DI WATER		
QA Type:	TRIP BLANK			FIELD BLANK		
Process Area:	2			6		
Sample:	1A-007(TCLP)			1A-029		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
Pentachlorophenol				U	25.00 ug/L	U
Phenanthrene				U	10.00 ug/L	U
Phenol				U	10.00 ug/L	U
Pyrene				U	10.00 ug/L	U
Pyridine						
bis(2-Chloroethoxy)methane				U	10.00 ug/L	U
bis(2-Chloroethyl)ether				U	10.00 ug/L	U
bis(2-Chloroisopropyl) ether						
bis(2-Ethylhexyl)phthalate				U	10.00 ug/L	U
o-Methylphenol				U	10.00 ug/L	U
p-Chloroaniline				U	10.00 ug/L	U
p-Methylphenol (Cresol)				U	10.00 ug/L	U
Pesticides/PCBs						
4,4'-DDD						
4,4'-DDE						
4,4'-DDT						
Aldrin						
Aroclor-1016						
Aroclor-1221						
Aroclor-1232						
Aroclor-1242						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						
Chlordane						
Dieldrin						
Endosulfan II						
Endosulfan sulfate						
Endosulfan-I						
Endrin						
Endrin aldehyde						
Endrin ketone						
Heptachlor						
Heptachlor epoxide						
Methoxychlor						
Toxaphene						
alpha-BHC						
alpha-Chlordane						
beta-BHC						
delta-BHC						
gamma-BHC (Lindane)						
gamma-Chlordane						

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	2A-013				2A-017				2A-020				2A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ		46.00	ug/L	J	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R		22.00	ug/L	R	B	26.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U		10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform		11.00	ug/L	-	U	10.00	ug/L	U		10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U		12.00	ug/L	-	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane					U	10.00	ug/L	U	U	10.00	ug/L	U				
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	26.00	ug/L	U	U	25.00	ug/L	U	U	26.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1				3			
Sample:	2A-021C				2A-021B(TCLP)				2A-021A(TCLP)				2A-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	0.0100	mg/L	U					U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	0.0100	mg/L	U					U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U												
1,2-Dichloropropane	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	0.0100	mg/L	UJ	U	0.1000	mg/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ									U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ									JB	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R									U	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	U	0.0100	mg/L	U	BJ	0.0050	mg/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U									U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0050	mg/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U									U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0050	mg/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	0.0100	mg/L	U					J	2.00	ug/L	J
Chloromethane	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
Methylene chloride	J	1.00	ug/L	J									U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U									U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	0.0100	mg/L	U	U	0.0050	mg/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U									JB	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0050	mg/L	U	U	10.00	ug/L	U
Trichlorofluoromethane													U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	0.0100	mg/L	U					U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U									U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U									U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene													U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U									U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene													U	10.00	ug/L	U
1,2-Dichlorobenzene													U	10.00	ug/L	U
1,3-Dichlorobenzene													U	10.00	ug/L	U
1,4-Dichlorobenzene													U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)													U	10.00	ug/L	U
2,4,5-Trichlorophenol													U	25.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	3				4				4				4			
Sample:	2A-037				2A-047				2A-050				2A-051			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)																
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	JB	10.00	ug/L	UJ	JB	10.00	ug/L	UJ	JB	10.00	ug/L	UJ	JB	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	U	U	10.00	ug/L	U	J	8.00	ug/L	J	U	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	JB	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	J	1.00	ug/L	J	J	1.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	JB	10.00	ug/L	U	JB	10.00	ug/L	U	JB	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	JB	10.00	ug/L	U	JB	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				
1,2-Dichlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				
1,3-Dichlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				
1,4-Dichlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4,5-Trichlorophenol					U	25.00	ug/L	U	U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER			
QA Type:	TRIP BLANK			
Process Area:	1			
Sample:	2A-055			
	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	5.00	ug/L	U
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo		5.00	ug/L	U
1,1,2-Trichloroethane	U	5.00	ug/L	U
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone	U	10.00	ug/L	U
2-Hexanone				
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone	U	5.00	ug/L	U
Benzene	U	5.00	ug/L	U
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride	U	5.00	ug/L	U
Carbon disulfide	U	5.00	ug/L	U
Chlorobenzene	U	5.00	ug/L	U
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone		5.00	ug/L	U
Dibromochloromethane				
Ethyl ether		5.00	ug/L	U
Ethylbenzene	U	5.00	ug/L	U
Methylene chloride	U	5.00	ug/L	U
Styrene				
Tetrachloroethene	U	5.00	ug/L	U
Toluene	U	5.00	ug/L	U
Trichloroethene	U	5.00	ug/L	U
Trichlorofluoromethane	U	5.00	ug/L	U
Vinyl chloride		5.00	ug/L	U
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene	U	5.00	ug/L	U
o-Xylene	U	5.00	ug/L	U
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	RINSATE	TRIP BLANK
Process Area:	1	1	1	1
Sample:	2A-013	2A-017	2A-020	2A-021

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	26.00	ug/L	U	U	25.00	ug/L	UJ	U	26.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Nitroaniline	U	26.00	ug/L	U	U	25.00	ug/L	UJ	U	26.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U				
3-Nitroaniline	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	26.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U	U	25.00	ug/L	U	U	26.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Nitroaniline	U	26.00	ug/L	UJ	U	25.00	ug/L	U	U	26.00	ug/L	UJ				
4-Nitrophenol	U	26.00	ug/L	U	U	25.00	ug/L	UJ	U	26.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Butyl benzyl phthalate	J	1.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Di-n-butyl phthalate	BJ	10.00	ug/L	U	U	10.00	ug/L	U	BJ	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	TRIP BLANK	FIELD BLANK
Process Area:	1	1	1	3
Sample:	2A-021C	2A-021B(TCLP)	2A-021A(TCLP)	2A-036

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol													U	10.00	ug/L	U
2,4-Dichlorophenol													U	10.00	ug/L	U
2,4-Dimethylphenol													U	10.00	ug/L	U
2,4-Dinitrophenol													U	25.00	ug/L	R
2,4-Dinitrotoluene													U	10.00	ug/L	U
2,6-Dinitrotoluene													U	10.00	ug/L	U
2-Chloronaphthalene													U	10.00	ug/L	U
2-Chlorophenol													U	10.00	ug/L	U
2-Methylnaphthalene													U	10.00	ug/L	U
2-Nitroaniline													U	25.00	ug/L	U
2-Nitrophenol													U	10.00	ug/L	U
3,3'-Dichlorobenzidine													U	10.00	ug/L	R
3-Nitroaniline													U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol													U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether													U	10.00	ug/L	U
4-Chloro-3-methylphenol													U	10.00	ug/L	U
4-Chlorophenylphenyl ether													U	10.00	ug/L	U
4-Nitroaniline													U	25.00	ug/L	U
4-Nitrophenol													U	25.00	ug/L	U
Acenaphthene													U	10.00	ug/L	U
Acenaphthylene													U	10.00	ug/L	U
Anthracene													U	10.00	ug/L	U
Benzo(a)anthracene													U	10.00	ug/L	U
Benzo(a)pyrene													U	10.00	ug/L	U
Benzo(b)fluoranthene													U	10.00	ug/L	U
Benzo(g,h,i)perylene													U	10.00	ug/L	U
Benzo(k)fluoranthene													U	10.00	ug/L	U
Butyl benzyl phthalate													J	0.20	ug/L	J
Carbazole													U	10.00	ug/L	U
Chrysene													U	10.00	ug/L	U
Di-n-butyl phthalate													JB	10.00	ug/L	U
Di-n-octyl phthalate													U	10.00	ug/L	U
Dibenzo(a,h)anthracene													U	10.00	ug/L	U
Dibenzofuran													U	10.00	ug/L	U
Diethyl phthalate													J	0.20	ug/L	J
Dimethyl phthalate													U	10.00	ug/L	U
Fluoranthene													U	10.00	ug/L	U
Fluorene													U	10.00	ug/L	U
Hexachlorobenzene													U	10.00	ug/L	U
Hexachlorobutadiene													U	10.00	ug/L	U
Hexachlorocyclopentadiene													U	10.00	ug/L	U
Hexachloroethane													U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene													U	10.00	ug/L	U
Isophorone													U	10.00	ug/L	U
N-Nitroso-di-n-propylamine													U	10.00	ug/L	U
N-Nitrosodiphenylamine													U	10.00	ug/L	U
Naphthalene													U	10.00	ug/L	U
Nitrobenzene													U	10.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	FIELD BLANK	RINSATE	TRIP BLANK
Process Area:	3	4	4	4
Sample:	2A-037	2A-047	2A-050	2A-051

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dichlorophenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dimethylphenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dinitrophenol					U	25.00	ug/L	R	U	25.00	ug/L	R				
2,4-Dinitrotoluene					U	10.00	ug/L	U	U	10.00	ug/L	U				
2,6-Dinitrotoluene					U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chloronaphthalene					U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chlorophenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Methylnaphthalene					U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Nitroaniline					U	25.00	ug/L	U	U	25.00	ug/L	U				
2-Nitrophenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine					U	10.00	ug/L	R	U	10.00	ug/L	R				
3-Nitroaniline					U	25.00	ug/L	U	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol					U	25.00	ug/L	UJ	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether					U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chloro-3-methylphenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether					U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Nitroaniline					U	25.00	ug/L	U	U	25.00	ug/L	U				
4-Nitrophenol					U	25.00	ug/L	U	U	25.00	ug/L	U				
Acenaphthene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Acenaphthylene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Anthracene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)anthracene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)pyrene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(b)fluoranthene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(g,h,i)perylene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(k)fluoranthene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Butyl benzyl phthalate					J	0.20	ug/L	J	U	10.00	ug/L	U				
Carbazole					U	10.00	ug/L	U	U	10.00	ug/L	U				
Chrysene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Di-n-butyl phthalate					JB	10.00	ug/L	U	JB	10.00	ug/L	U				
Di-n-octyl phthalate					U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzofuran					U	10.00	ug/L	U	U	10.00	ug/L	U				
Diethyl phthalate					U	10.00	ug/L	U	U	10.00	ug/L	U				
Dimethyl phthalate					U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluoranthene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluorene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobutadiene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorocyclopentadiene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Isophorone					U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine					U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitrosodiphenylamine					U	10.00	ug/L	U	J	2.00	ug/L	J				
Naphthalene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Nitrobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	2A-055

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	2A-013				2A-017				2A-020				2A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U	U	25.00	ug/L	UJ	U	26.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1				3			
Sample:	2A-021C				2A-021B(TCLP)				2A-021A(TCLP)				2A-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol													U	25.00	ug/L	U
Phenanthrene													U	10.00	ug/L	U
Phenol													U	10.00	ug/L	U
Pyrene													U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane													U	10.00	ug/L	U
bis(2-Chloroethyl)ether													U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate													J	0.90	ug/L	J
o-Methylphenol													J	0.20	ug/L	J
p-Chloroaniline													U	10.00	ug/L	UJ
p-Methylphenol (Cresol)													J	0.20	ug/L	J
esticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	3				4				4				4			
Sample:	2A-037				2A-047				2A-050				2A-051			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol					U	25.00	ug/L	U	U	25.00	ug/L	U				
Phenanthrene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Phenol					U	10.00	ug/L	U	J	0.60	ug/L	J				
Pyrene					U	10.00	ug/L	U	U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane					U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether					U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate					U	10.00	ug/L	U	J	5.00	ug/L	J				
o-Methylphenol					U	10.00	ug/L	U	U	10.00	ug/L	U				
p-Chloroaniline					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)					U	10.00	ug/L	U	U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2A - Ore Refinery Plant
Analytical Results - Organics

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	2A-055

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	2B-006				2B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		18.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	BJ	10.00	ug/L	R	BJ	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	J	1.00	ug/L	J	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	BJ	10.00	ug/L	UJ	BJ	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	12.00	ug/L	UJ				
1,2-Dichlorobenzene	U	12.00	ug/L	UJ				
1,3-Dichlorobenzene	U	12.00	ug/L	UJ				
1,4-Dichlorobenzene	U	12.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	12.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	29.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	2B-006				2B-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	12.00	ug/L	UJ				
2,4-Dichlorophenol	U	12.00	ug/L	UJ				
2,4-Dimethylphenol	U	12.00	ug/L	UJ				
2,4-Dinitrophenol	U	29.00	ug/L	UJ				
2,4-Dinitrotoluene	U	12.00	ug/L	UJ				
2,6-Dinitrotoluene	U	12.00	ug/L	UJ				
2-Chloronaphthalene	U	12.00	ug/L	UJ				
2-Chlorophenol	U	12.00	ug/L	UJ				
2-Methylnaphthalene	U	12.00	ug/L	UJ				
2-Nitroaniline	U	29.00	ug/L	UJ				
2-Nitrophenol	U	12.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	12.00	ug/L	UJ				
3-Nitroaniline	U	29.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	29.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	12.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	12.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	12.00	ug/L	UJ				
4-Nitroaniline	U	29.00	ug/L	UJ				
4-Nitrophenol	U	29.00	ug/L	UJ				
Acenaphthene	U	12.00	ug/L	UJ				
Acenaphthylene	U	12.00	ug/L	UJ				
Anthracene	U	12.00	ug/L	UJ				
Benzo(a)anthracene	U	12.00	ug/L	UJ				
Benzo(a)pyrene	U	12.00	ug/L	UJ				
Benzo(b)fluoranthene	U	12.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	12.00	ug/L	UJ				
Benzo(k)fluoranthene	U	12.00	ug/L	UJ				
Butyl benzyl phthalate	U	12.00	ug/L	UJ				
Carbazole	U	12.00	ug/L	UJ				
Chrysene	U	12.00	ug/L	UJ				
Di-n-butyl phthalate	U	12.00	ug/L	UJ				
Di-n-octyl phthalate	U	12.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	12.00	ug/L	UJ				
Dibenzofuran	U	12.00	ug/L	UJ				
Diethyl phthalate	U	12.00	ug/L	UJ				
Dimethyl phthalate	U	12.00	ug/L	UJ				
Fluoranthene	U	12.00	ug/L	UJ				
Fluorene	U	12.00	ug/L	UJ				
Hexachlorobenzene	U	12.00	ug/L	UJ				
Hexachlorobutadiene	U	12.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	12.00	ug/L	UJ				
Hexachloroethane	U	12.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	12.00	ug/L	UJ				
Isophorone	U	12.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	12.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	12.00	ug/L	UJ				
Naphthalene	U	12.00	ug/L	UJ				
Nitrobenzene	U	12.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2B - General/Refinery Sump Con
Analytical Results - Organics

Material:	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK
Process Area:	1	1
Sample:	2B-006	2B-007

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	29.00	ug/L	UJ				
Phenanthrene	U	12.00	ug/L	UJ				
Phenol	U	12.00	ug/L	UJ				
Pyrene	U	12.00	ug/L	UJ				
Pyridine								
bis(2-Chloroethoxy)methane	U	12.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	12.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	12.00	ug/L	UJ				
o-Methylphenol	U	12.00	ug/L	UJ				
p-Chloroaniline	U	12.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	12.00	ug/L	UJ				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	2C-008				2C-010				2C-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		55.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	B	10.00	ug/L	UJ		20.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	3.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

00152

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	2C-008	2C-010	2C-011

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	UJ								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	J	2.00	ug/L	J								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

0041363

8212

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 2C - Bulk Lime Handling Buildi
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	2C-008				2C-010				2C-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ								
Phenanthrene	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	2				2				3				3			
Sample:	2D-017				2D-018				2D-024				2D-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		120.00	ug/L	J	U	10.00	ug/L	UJ		81.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	J	9.00	ug/L	J		15.00	ug/L	-
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	28.00	ug/L	UJ				

001365

001212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	2	2	3	3
Sample:	2D-017	2D-018	2D-024	2D-025

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,4-Dichlorophenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,4-Dimethylphenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,4-Dinitrophenol	U	25.00	ug/L	UJ					U	28.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2-Methylnaphthalene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
2-Nitroaniline	U	25.00	ug/L	U					U	28.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U					U	28.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ					U	28.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
4-Nitroaniline	U	25.00	ug/L	U					U	28.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	U					U	28.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Di-n-butyl phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 2D - Metal Dissolver Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	2				2				3				3			
Sample:	2D-017				2D-018				2D-024				2D-025			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U					U	28.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Phenol	U	10.00	ug/L	R					U	11.00	ug/L	UJ				
Pyrene	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
p-Chloroaniline	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	11.00	ug/L	UJ				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	2H-008				2H-010				2H-011				2H-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
olatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		140.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		13.00	ug/L	J	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	3.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		13.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene		10.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
emivolatile Organics																
1,2,4-Trichlorobenzene	U	13.00	ug/L	U												
1,2-Dichlorobenzene	U	13.00	ug/L	U												
1,3-Dichlorobenzene	U	13.00	ug/L	U												
1,4-Dichlorobenzene	U	13.00	ug/L	U												
2,2-oxybis(1-Chloropropane)	U	13.00	ug/L	U												
2,4,5-Trichlorophenol	U	33.00	ug/L	U												

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	2H-008				2H-010				2H-011				2H-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	13.00	ug/L	U												
2,4-Dichlorophenol	U	13.00	ug/L	U												
2,4-Dimethylphenol	U	13.00	ug/L	U												
2,4-Dinitrophenol	U	33.00	ug/L	U												
2,4-Dinitrotoluene	U	13.00	ug/L	U												
2,6-Dinitrotoluene	U	13.00	ug/L	U												
2-Chloronaphthalene	U	13.00	ug/L	U												
2-Chlorophenol	U	13.00	ug/L	U												
2-Methylnaphthalene	U	13.00	ug/L	U												
2-Nitroaniline	U	33.00	ug/L	U												
2-Nitrophenol	U	13.00	ug/L	U												
3,3'-Dichlorobenzidine	U	13.00	ug/L	U												
3-Nitroaniline	U	33.00	ug/L	U												
4,6-Dinitro-2-methylphenol	U	33.00	ug/L	U												
4-Bromophenyl phenyl ether	U	13.00	ug/L	U												
4-Chloro-3-methylphenol	J	0.30	ug/L	J												
4-Chlorophenylphenyl ether	U	13.00	ug/L	U												
4-Nitroaniline	U	33.00	ug/L	U												
4-Nitrophenol	U	33.00	ug/L	U												
Acenaphthene	U	13.00	ug/L	U												
Acenaphthylene	U	13.00	ug/L	U												
Anthracene	U	13.00	ug/L	U												
Benzo(a)anthracene	U	13.00	ug/L	U												
Benzo(a)pyrene	U	13.00	ug/L	U												
Benzo(b)fluoranthene	U	13.00	ug/L	U												
Benzo(g,h,i)perylene	U	13.00	ug/L	U												
Benzo(k)fluoranthene	U	13.00	ug/L	U												
Butyl benzyl phthalate	U	13.00	ug/L	U												
Carbazole	U	13.00	ug/L	U												
Chrysene	U	13.00	ug/L	U												
Di-n-butyl phthalate	U	13.00	ug/L	U												
Di-n-octyl phthalate	U	13.00	ug/L	U												
Dibenzo(a,h)anthracene	U	13.00	ug/L	U												
Dibenzofuran	U	13.00	ug/L	U												
Diethyl phthalate	U	13.00	ug/L	U												
Dimethyl phthalate	U	13.00	ug/L	U												
Fluoranthene	U	13.00	ug/L	U												
Fluorene	U	13.00	ug/L	U												
Hexachlorobenzene	U	13.00	ug/L	U												
Hexachlorobutadiene	U	13.00	ug/L	U												
Hexachlorocyclopentadiene	U	13.00	ug/L	U												
Hexachloroethane	U	13.00	ug/L	U												
Indeno(1,2,3-cd)pyrene	U	13.00	ug/L	U												
Isophorone	U	13.00	ug/L	U												
N-Nitroso-di-n-propylamine	U	13.00	ug/L	U												
N-Nitrosodiphenylamine	U	13.00	ug/L	UJ												
Naphthalene	U	13.00	ug/L	U												
Nitrobenzene	U	13.00	ug/L	U												

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Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 2H - Conveyor Tunnel (From Pla
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	2H-008	2H-010	2H-011	2H-013

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	33.00	ug/L	U												
Phenanthrene	U	13.00	ug/L	U												
Phenol	U	13.00	ug/L	U												
Pyrene	U	13.00	ug/L	U												
Pyridine																
bis(2-Chloroethoxy)methane	U	13.00	ug/L	U												
bis(2-Chloroethyl)ether	U	13.00	ug/L	U												
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	13.00	ug/L	U												
o-Methylphenol	U	13.00	ug/L	U												
p-Chloroaniline	U	13.00	ug/L	UJ												
p-Methylphenol (Cresol)	U	13.00	ug/L	U												
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3D-007				3D-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		68.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	JB	10.00	ug/L	U	JB	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	1.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	J	1.00	ug/L	J	J	1.00	ug/L	J
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	6.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U				
2,4,5-Trichlorophenol	U	28.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3D - NAR Towers
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3D-007				3D-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U				
2,4-Dinitrophenol	U	28.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U				
2-Nitroaniline	U	28.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U				
3-Nitroaniline	U	28.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U				
4-Nitroaniline	U	28.00	ug/L	U				
4-Nitrophenol	U	28.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U				
Anthracene	U	11.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U				
Carbazole	U	11.00	ug/L	U				
Chrysene	U	11.00	ug/L	U				
Di-n-butyl phthalate	JB	11.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U				
Fluorene	U	11.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U				
Isophorone	U	11.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U				

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3D-007				3D-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	28.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U				
Phenol	JB	11.00	ug/L	U				
Pyrene	U	11.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	JB	11.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	3E-009				3E-011				3E-016(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Butanone	J	9.00	ug/L	J	U	10.00	ug/L	U	U	0.0100	mg/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ				
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U				
Acetone	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U				
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U				
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Chloroform		13.00	ug/L	-	U	10.00	ug/L	U	U	0.0050	mg/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U				
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	0.0050	mg/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U				
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U				
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	11.00	ug/L	U								
1,2-Dichlorobenzene	U	11.00	ug/L	U								
1,3-Dichlorobenzene	U	11.00	ug/L	U								
1,4-Dichlorobenzene	U	11.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U								
2,4,5-Trichlorophenol	U	28.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	3E-009				3E-011				3E-016(TCLP)			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U								
2,4-Dichlorophenol	U	11.00	ug/L	U								
2,4-Dimethylphenol	U	11.00	ug/L	U								
2,4-Dinitrophenol	U	28.00	ug/L	U								
2,4-Dinitrotoluene	U	11.00	ug/L	U								
2,6-Dinitrotoluene	U	11.00	ug/L	U								
2-Chloronaphthalene	U	11.00	ug/L	U								
2-Chlorophenol	U	11.00	ug/L	U								
2-Methylnaphthalene	U	11.00	ug/L	U								
2-Nitroaniline	U	28.00	ug/L	U								
2-Nitrophenol	U	11.00	ug/L	U								
3,3'-Dichlorobenzidine	U	11.00	ug/L	U								
3-Nitroaniline	U	28.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	U								
4-Bromophenyl phenyl ether	U	11.00	ug/L	U								
4-Chloro-3-methylphenol	U	11.00	ug/L	U								
4-Chlorophenylphenyl ether	U	11.00	ug/L	U								
4-Nitroaniline	U	28.00	ug/L	U								
4-Nitrophenol	U	28.00	ug/L	U								
Acenaphthene	U	11.00	ug/L	U								
Acenaphthylene	U	11.00	ug/L	U								
Anthracene	U	11.00	ug/L	U								
Benzo(a)anthracene	U	11.00	ug/L	U								
Benzo(a)pyrene	U	11.00	ug/L	U								
Benzo(b)fluoranthene	U	11.00	ug/L	U								
Benzo(g,h,i)perylene	U	11.00	ug/L	U								
Benzo(k)fluoranthene	U	11.00	ug/L	U								
Butyl benzyl phthalate	U	11.00	ug/L	U								
Carbazole	U	11.00	ug/L	U								
Chrysene	U	11.00	ug/L	U								
Di-n-butyl phthalate	J	1.00	ug/L	J								
Di-n-octyl phthalate	U	11.00	ug/L	U								
Dibenzo(a,h)anthracene	U	11.00	ug/L	U								
Dibenzofuran	U	11.00	ug/L	U								
Diethyl phthalate	U	11.00	ug/L	U								
Dimethyl phthalate	U	11.00	ug/L	U								
Fluoranthene	U	11.00	ug/L	U								
Fluorene	U	11.00	ug/L	U								
Hexachlorobenzene	U	11.00	ug/L	U								
Hexachlorobutadiene	U	11.00	ug/L	U								
Hexachlorocyclopentadiene	U	11.00	ug/L	U								
Hexachloroethane	U	11.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U								
Isophorone	U	11.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U								
N-Nitrosodiphenylamine	U	11.00	ug/L	U								
Naphthalene	U	11.00	ug/L	U								
Nitrobenzene	U	11.00	ug/L	U								

001375

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 3E - Hot Raffinate Building
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	3E-009	3E-011	3E-016(TCLP)

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	28.00	ug/L	U								
Phenanthrene	U	11.00	ug/L	U								
Phenol	J	1.00	ug/L	J								
Pyrene	U	11.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U								
bis(2-Chloroethyl)ether	U	11.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	J	0.80	ug/L	J								
o-Methylphenol	U	11.00	ug/L	U								
p-Chloroaniline	U	11.00	ug/L	U								
p-Methylphenol (Cresol)	U	11.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Re
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3F-009				3F-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		29.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		14.00	ug/L	-	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	26.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3F - Harshaw Digestion Fume Re
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3F-009				3F-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	26.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	26.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	R				
3-Nitroaniline	U	26.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	26.00	ug/L	U				
4-Nitrophenol	U	26.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	R				
Di-n-octyl phthalate	U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3F-009				3F-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	J	1.00	ug/L	J				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3H-008				3H-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		71.00	ug/L	J		42.00	ug/L	J
Benzene	J	1.00	ug/L	J	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	J	4.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	J	1.00	ug/L	J	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

00130

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3H-008				3H-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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P-2173

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3H - Refinery Sump
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3H-008				3H-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3J-008				3J-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	46.00	ug/L	R	B	20.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	2.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		15.00	ug/L	-		11.00	ug/L	-
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	50.00	ug/L	U				

001383

7173

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3J-008				3J-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	50.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	50.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	20.00	ug/L	UJ				
3-Nitroaniline	U	50.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	50.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	50.00	ug/L	U				
4-Nitrophenol	U	50.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole								
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	J	6.00	ug/L	J				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

0013B4

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 3J - Combined Raffinate Tanks
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3J-008				3J-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	50.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

0013850

03212

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3K-008				3K-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	J	3.00	ug/L	J	J	1.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		93.00	ug/L	-		140.00	ug/L	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		17.00	ug/L	J		54.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		10.00	ug/L	-	U	10.00	ug/L	U
Chloromethane	J	1.00	ug/L	J	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	J	2.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	UJ				

0012360

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3K-008				3K-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ				
2,4-Dichlorophenol	U	10.00	ug/L	UJ				
2,4-Dimethylphenol	U	10.00	ug/L	UJ				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	UJ				
2-Methylnaphthalene	U	10.00	ug/L	UJ				
2-Nitroaniline	U	25.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ				
4-Nitroaniline	U	25.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	UJ				
Di-n-butyl phthalate	U	10.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	UJ				

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2173

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 3K - Old Cooling Water Tower
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	3K-008				3K-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	UJ				
Phenol	U	10.00	ug/L	UJ				
Pyrene	U	10.00	ug/L	UJ				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	UJ				
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	UJ				
p-Chloroaniline	U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	4A-010				4A-014(TCLP)				4A-015(TCLP)				4A-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)																
1,2-Dichloropropane	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	0.3300	mg/L	U	U	0.3300	mg/L	U	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U									U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U									U	10.00	ug/L	U
Acetone	U	10.00	ug/L	U									U	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U									U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U									U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	0.1700	mg/L	U	U	0.1700	mg/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U									U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U									U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U									U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	0.0800	mg/L	U	U	0.0800	mg/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	0.1700	mg/L	U	U	0.1700	mg/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U									U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U									U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	10.00	ug/L	U									U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U									U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U												
1,2-Dichlorobenzene	U	10.00	ug/L	U												
1,3-Dichlorobenzene	U	10.00	ug/L	U												
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	3	3	1
Sample:	4A-036	4A-037	4A-038

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	J	6.00	ug/L	J	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)												
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	4A-010				4A-014(TCLP)				4A-015(TCLP)				4A-016			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U												
2,4-Dimethylphenol	U	10.00	ug/L	U												
2,4-Dinitrophenol	UJ	25.00	ug/L	UJ												
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U												
2-Chloronaphthalene	U	10.00	ug/L	U												
2-Chlorophenol	U	10.00	ug/L	U												
2-Methylnaphthalene	U	10.00	ug/L	U												
2-Nitroaniline	U	25.00	ug/L	U												
2-Nitrophenol	U	10.00	ug/L	U												
3,3'-Dichlorobenzidine	U	10.00	ug/L	U												
3-Nitroaniline	U	25.00	ug/L	U												
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U												
4-Bromophenyl phenyl ether	U	10.00	ug/L	U												
4-Chloro-3-methylphenol	U	10.00	ug/L	U												
4-Chlorophenylphenyl ether	U	10.00	ug/L	U												
4-Nitroaniline	U	25.00	ug/L	U												
4-Nitrophenol	U	25.00	ug/L	U												
Acenaphthene	U	10.00	ug/L	U												
Acenaphthylene	U	10.00	ug/L	U												
Anthracene	U	10.00	ug/L	U												
Benzo(a)anthracene	U	10.00	ug/L	U												
Benzo(a)pyrene	U	10.00	ug/L	U												
Benzo(b)fluoranthene	U	10.00	ug/L	U												
Benzo(g,h,i)perylene	U	10.00	ug/L	U												
Benzo(k)fluoranthene	U	10.00	ug/L	U												
Butyl benzyl phthalate	J	0.30	ug/L	J												
Carbazole	U	10.00	ug/L	U												
Chrysene	U	10.00	ug/L	U												
Di-n-butyl phthalate	J	1.00	ug/L	J												
Di-n-octyl phthalate	U	10.00	ug/L	U												
Dibenzo(a,h)anthracene	U	10.00	ug/L	U												
Dibenzofuran	U	10.00	ug/L	U												
Diethyl phthalate	U	10.00	ug/L	U												
Dimethyl phthalate	U	10.00	ug/L	U												
Fluoranthene	U	10.00	ug/L	U												
Fluorene	U	10.00	ug/L	U												
Hexachlorobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U												
Hexachloroethane	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U												
Isophorone	U	10.00	ug/L	U												
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U												
N-Nitrosodiphenylamine	U	10.00	ug/L	U												
Naphthalene	U	10.00	ug/L	U												
Nitrobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	3	3	1
Sample:	4A-036	4A-037	4A-038

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	UJ								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	FIELD BLANK	RINSATE	TRIP BLANK
Process Area:	1	1	1	1
Sample:	4A-010	4A-014(TCLP)	4A-015(TCLP)	4A-016

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Phenanthrene	U	10.00	ug/L	U												
Phenol	JB	10.00	ug/L	U												
Pyrene	U	10.00	ug/L	U												
Pyridine					U	0.0100	mg/L	U	U	0.0100	mg/L	U				
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U												
bis(2-Chloroethyl)ether	U	10.00	ug/L	U												
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U												
bis(2-Ethylhexyl)phthalate	J	1.00	ug/L	J												
o-Methylphenol	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
p-Chloroaniline	UJ	10.00	ug/L	UJ												
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	0.0100	mg/L	U	U	0.0100	mg/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 4A - Green Salt Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	3				3				1			
Sample:	4A-036				4A-037				4A-038			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	JB	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				2				5			
Sample:	5A-006				5A-008A				5A-014				5A-028			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		2000.00	ug/L	-		20.00	ug/L	-		28.00	ug/L	-		45.00	ug/L	-
2-Hexanone	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		230.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	200.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	J	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	10.00	ug/L	U
Styrene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	110.00	ug/L	J	J	6.00	ug/L	J	U	10.00	ug/L	U	J	1.00	ug/L	J
Trichloroethene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	200.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	U

001395
0 2 1 2 2 9

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	10				10				5				3			
Sample:	5A-050				5A-051				5A-067				5A-068			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		250.00	ug/L	-		160.00	ug/L	-	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		24.00	ug/L	R		19.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	J	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	4.00	ug/L	J	J	1.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	20.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
emivolatile Organics																
1,2,4-Trichlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	20.00	ug/L	U												
2,4,5-Trichlorophenol	U	50.00	ug/L	U	U	25.00	ug/L	U								

00356

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	3
Sample:	5A-069

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	J	1.00	ug/L	J
Chloromethane	U	10.00	ug/L	U
Cyclohexanone				
Dibromochloromethane	U	10.00	ug/L	U
Ethyl ether				
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

00637

2173

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK
Process Area:	1	1	2	5
Sample:	5A-006	5A-008A	5A-014	5A-028

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	R					U	10.00	ug/L	R	U	10.00	ug/L	R
3-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ	U	25.00	ug/L	UJ
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	UJ
Acenaphthene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Nitrobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U

001198

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	10	10	5	3
Sample:	5A-050	5A-051	5A-067	5A-068

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	50.00	ug/L	UJ	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	20.00	ug/L	U	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	20.00	ug/L	U	U	10.00	ug/L	U								
2-Chloronaphthalene	U	20.00	ug/L	U	U	10.00	ug/L	U								
2-Chlorophenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
2-Methylnaphthalene	U	20.00	ug/L	U	U	10.00	ug/L	U								
2-Nitroaniline	U	50.00	ug/L	U	U	25.00	ug/L	U								
2-Nitrophenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	20.00	ug/L	R	U	10.00	ug/L	R								
3-Nitroaniline	U	50.00	ug/L	U	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	50.00	ug/L	U	U	25.00	ug/L	UJ								
4-Bromophenyl phenyl ether	U	20.00	ug/L	U	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	20.00	ug/L	U	U	10.00	ug/L	U								
4-Nitroaniline	U	50.00	ug/L	U	U	25.00	ug/L	UJ								
4-Nitrophenol	U	50.00	ug/L	U	U	25.00	ug/L	U								
Acenaphthene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Acenaphthylene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Anthracene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Benzo(a)anthracene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Benzo(a)pyrene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	20.00	ug/L	U	U	10.00	ug/L	U								
Carbazole	U	20.00	ug/L	U	U	10.00	ug/L	UJ								
Chrysene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	20.00	ug/L	U	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	20.00	ug/L	U	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Dibenzofuran	U	20.00	ug/L	U	U	10.00	ug/L	U								
Diethyl phthalate	U	20.00	ug/L	U	U	10.00	ug/L	U								
Dimethyl phthalate	U	20.00	ug/L	U	U	10.00	ug/L	U								
Fluoranthene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Fluorene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorobutadiene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	20.00	ug/L	U	U	10.00	ug/L	UJ								
Hexachloroethane	U	20.00	ug/L	U	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Isophorone	U	20.00	ug/L	U	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	20.00	ug/L	U	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	20.00	ug/L	UJ	U	10.00	ug/L	U								
Naphthalene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Nitrobenzene	U	20.00	ug/L	U	U	10.00	ug/L	U								

69600

3212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	3
Sample:	5A-069

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

0013760

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	1				1				2				5			
Sample:	5A-006				5A-008A				5A-014				5A-028			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	U	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U					BJ	10.00	ug/L	U	BJ	10.00	ug/L	U
o-Methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 5A - Metals Production Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	10				10				5				3			
Sample:	5A-050				5A-051				5A-067				5A-068			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	50.00	ug/L	U	U	25.00	ug/L	U								
Phenanthrene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Phenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
Pyrene	U	20.00	ug/L	U	U	10.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	20.00	ug/L	U	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	20.00	ug/L	U	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether					U	10.00	ug/L	U								
bis(2-Ethylhexyl)phthalate	U	20.00	ug/L	U	BJ	10.00	ug/L	U								
o-Methylphenol	U	20.00	ug/L	U	U	10.00	ug/L	U								
p-Chloroaniline	U	20.00	ug/L	U	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	20.00	ug/L	U	U	10.00	ug/L	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	3
Sample:	5A-069

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	6A-008				6A-013				6A-014				6A-014A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		13.00	ug/L	-	U	10.00	ug/L	U	BJ	10.00	ug/L	U	J	6.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	3.00	ug/L	J	J	0.90	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1;3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	75.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				2				2			
Sample:	6A-016(TCLP)				6A-020				6A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	0.0100	mg/L	U	U	10.00	ug/L	U		39.00	ug/L	-
2-Hexanone					U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone					U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone						10.00	ug/L	R		21.00	ug/L	J
Benzene	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	0.0050	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide					U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	0.0050	mg/L	U	J	3.00	ug/L	J	U	10.00	ug/L	U
Chloromethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene					U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride					U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene					U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene					U	10.00	ug/L	U	J	1.00	ug/L	J
Trichloroethene	U	0.0050	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	0.0100	mg/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total					U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene					U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene					U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene					U	10.00	ug/L	U				
1,2-Dichlorobenzene					U	10.00	ug/L	U				
1,3-Dichlorobenzene					U	10.00	ug/L	U				
1,4-Dichlorobenzene					U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol					U	25.00	ug/L	U				

0025095

0212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	6A-008				6A-013				6A-014				6A-014A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	UJ	U	75.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	30.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	30.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U	U	30.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U	U	30.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U	U	75.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U	U	30.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U	U	75.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	75.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	30.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	30.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U	U	75.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U	U	75.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Anthracene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U	U	30.00	ug/L	U								
Carbazole	U	10.00	ug/L	U	U	30.00	ug/L	U								
Chrysene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U	U	30.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U	U	30.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U	U	30.00	ug/L	U								
Diethyl phthalate	J	1.00	ug/L	J	U	30.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U	U	30.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Fluorene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U	U	30.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Isophorone	U	10.00	ug/L	U	U	30.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	30.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	30.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U	U	30.00	ug/L	U								

00136

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	2	2
Sample:	6A-016(TCLP)	6A-020	6A-021

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol					U	10.00	ug/L	U				
2,4-Dichlorophenol					U	10.00	ug/L	U				
2,4-Dimethylphenol					U	10.00	ug/L	U				
2,4-Dinitrophenol					U	25.00	ug/L	U				
2,4-Dinitrotoluene					U	10.00	ug/L	U				
2,6-Dinitrotoluene					U	10.00	ug/L	U				
2-Chloronaphthalene					U	10.00	ug/L	U				
2-Chlorophenol					U	10.00	ug/L	U				
2-Methylnaphthalene					U	10.00	ug/L	U				
2-Nitroaniline					U	25.00	ug/L	U				
2-Nitrophenol					U	10.00	ug/L	U				
3,3'-Dichlorobenzidine					U	10.00	ug/L	U				
3-Nitroaniline					U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol					U	25.00	ug/L	U				
4-Bromophenyl phenyl ether					U	10.00	ug/L	U				
4-Chloro-3-methylphenol					U	10.00	ug/L	U				
4-Chlorophenylphenyl ether					U	10.00	ug/L	U				
4-Nitroaniline					U	25.00	ug/L	U				
4-Nitrophenol					U	25.00	ug/L	UJ				
Acenaphthene					U	10.00	ug/L	U				
Acenaphthylene					U	10.00	ug/L	U				
Anthracene					U	10.00	ug/L	U				
Benzo(a)anthracene					U	10.00	ug/L	U				
Benzo(a)pyrene					U	10.00	ug/L	U				
Benzo(b)fluoranthene					U	10.00	ug/L	U				
Benzo(g,h,i)perylene					U	10.00	ug/L	U				
Benzo(k)fluoranthene					U	10.00	ug/L	UJ				
Butyl benzyl phthalate					U	10.00	ug/L	U				
Carbazole					U	10.00	ug/L	U				
Chrysene					U	10.00	ug/L	U				
Di-n-butyl phthalate					U	10.00	ug/L	U				
Di-n-octyl phthalate					U	10.00	ug/L	U				
Dibenzo(a,h)anthracene					U	10.00	ug/L	U				
Dibenzofuran					U	10.00	ug/L	U				
Diethyl phthalate					U	10.00	ug/L	U				
Dimethyl phthalate					U	10.00	ug/L	U				
Fluoranthene					U	10.00	ug/L	U				
Fluorene					U	10.00	ug/L	U				
Hexachlorobenzene					U	10.00	ug/L	U				
Hexachlorobutadiene					U	10.00	ug/L	U				
Hexachlorocyclopentadiene					U	10.00	ug/L	U				
Hexachloroethane					U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene					U	10.00	ug/L	U				
Isophorone					U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine					U	10.00	ug/L	U				
N-Nitrosodiphenylamine					U	10.00	ug/L	U				
Naphthalene					U	10.00	ug/L	U				
Nitrobenzene					U	10.00	ug/L	U				

0074307

0212 3

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	6A-008	6A-013	6A-014	6A-014A

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U	U	75.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Phenol	J	3.00	ug/L	J	U	30.00	ug/L	U								
Pyrene	U	10.00	ug/L	U	U	30.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	30.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	30.00	ug/L	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	B	100.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U	U	30.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	UJ	U	30.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	30.00	ug/L	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

001268

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6A - Metals Fabrication Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				2				2			
Sample:	6A-016(TCLP)				6A-020				6A-021			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol					U	25.00	ug/L	U				
Phenanthrene					U	10.00	ug/L	U				
Phenol					U	10.00	ug/L	U				
Pyrene					U	10.00	ug/L	U				
Pyridine												
bis(2-Chloroethoxy)methane					U	10.00	ug/L	U				
bis(2-Chloroethyl)ether					U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether					U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate					B	10.00	ug/L	U				
o-Methylphenol					U	10.00	ug/L	U				
p-Chloroaniline					U	10.00	ug/L	U				
p-Methylphenol (Cresol)					U	10.00	ug/L	U				
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage A
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6B-005				6B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		25.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	7.00	ug/L	J	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	2.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	9.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

002240

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage A
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6B-005				6B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

001411

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Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 6B - Plant 6 Covered Storage A
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6B-005				6B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	R				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

001412

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Pre
Analytical Results - Organics

Material:	DI WATER			DI WATER		
QA Type:	FIELD BLANK			TRIP BLANK		
Process Area:	1			1		
Sample:	6D-004			6D-005		
	LQ RESULT UNITS VQ			LQ RESULT UNITS VQ		
Volatile Organics						
1,1,1-Trichloroethane	U	10.00	ug/L U	U	10.00	ug/L U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L U	U	10.00	ug/L U
1,1,2-Trichloro-1,2,2-Trifluo						
1,1,2-Trichloroethane	U	10.00	ug/L U	U	10.00	ug/L U
1,1-Dichloroethane	U	10.00	ug/L U	U	10.00	ug/L U
1,1-Dichloroethene	U	10.00	ug/L U	U	10.00	ug/L U
1,2-Dichloroethane	U	10.00	ug/L U	U	10.00	ug/L U
1,2-Dichloroethene (Total)	U	10.00	ug/L U	U	10.00	ug/L U
1,2-Dichloropropane	U	10.00	ug/L U	U	10.00	ug/L U
2-Butanone		34.00	ug/L -	U	10.00	ug/L U
2-Hexanone	U	10.00	ug/L UJ	U	10.00	ug/L UJ
4-Methyl-2-pentanone	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Acetone		59.00	ug/L J		20.00	ug/L J
Benzene	U	10.00	ug/L U	U	10.00	ug/L U
Bromodichloromethane	U	10.00	ug/L U	U	10.00	ug/L U
Bromoform	U	10.00	ug/L U	U	10.00	ug/L U
Bromomethane	U	10.00	ug/L U	U	10.00	ug/L U
Carbon Tetrachloride	U	10.00	ug/L U	U	10.00	ug/L U
Carbon disulfide	U	10.00	ug/L U	U	10.00	ug/L U
Chlorobenzene	U	10.00	ug/L U	U	10.00	ug/L U
Chloroethane	U	10.00	ug/L U	U	10.00	ug/L U
Chloroform	U	10.00	ug/L U	J	4.00	ug/L J
Chloromethane	U	10.00	ug/L U	U	10.00	ug/L U
Cyclohexanone						
Dibromochloromethane	U	10.00	ug/L U	U	10.00	ug/L U
Ethyl ether						
Ethylbenzene	U	10.00	ug/L U	U	10.00	ug/L U
Methylene chloride	U	10.00	ug/L U	U	10.00	ug/L U
Styrene	U	10.00	ug/L U	U	10.00	ug/L U
Tetrachloroethene	U	10.00	ug/L U	U	10.00	ug/L U
Toluene	J	3.00	ug/L J	U	10.00	ug/L U
Trichloroethene	U	10.00	ug/L U	U	10.00	ug/L U
Trichlorofluoromethane						
Vinyl chloride	U	10.00	ug/L U	U	10.00	ug/L U
Xylenes, Total	U	10.00	ug/L U	U	10.00	ug/L U
cis-1,3-Dichloropropene	U	10.00	ug/L U	U	10.00	ug/L U
m,p-Xylene						
o-Xylene						
trans-1,2-Dichloroethene						
trans-1,3-Dichloropropene	U	10.00	ug/L U	U	10.00	ug/L U
Semivolatile Organics						
1,2,4-Trichlorobenzene	U	10.00	ug/L U			
1,2-Dichlorobenzene	U	10.00	ug/L U			
1,3-Dichlorobenzene	U	10.00	ug/L U			
1,4-Dichlorobenzene	U	10.00	ug/L U			
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L U			
2,4,5-Trichlorophenol	U	25.00	ug/L U			

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Pre
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6D-004				6D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	J	3.00	ug/L	J				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 6D - Plant 6 Electrostatic Pre
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6D-004				6D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD	U	0.100	ug/L	U				
4,4'-DDE	U	0.100	ug/L	U				
4,4'-DDT	U	0.100	ug/L	UJ				
Aldrin	U	0.050	ug/L	U				
Aroclor-1016	U	1.000	ug/L	U				
Aroclor-1221	U	2.000	ug/L	U				
Aroclor-1232	U	1.000	ug/L	U				
Aroclor-1242	U	1.000	ug/L	U				
Aroclor-1248	U	1.000	ug/L	U				
Aroclor-1254	U	1.000	ug/L	U				
Aroclor-1260	U	1.000	ug/L	U				
Chlordane								
Dieldrin	U	0.100	ug/L	U				
Endosulfan II	U	0.100	ug/L	U				
Endosulfan sulfate	U	0.100	ug/L	U				
Endosulfan-I	U	0.050	ug/L	U				
Endrin	U	0.100	ug/L	U				
Endrin aldehyde	U	0.100	ug/L	U				
Endrin ketone	U	0.100	ug/L	UJ				
Heptachlor	U	0.050	ug/L	U				
Heptachlor epoxide	U	0.050	ug/L	U				
Methoxychlor	U	0.500	ug/L	UJ				
Toxaphene	U	5.000	ug/L	U				
alpha-BHC	U	0.050	ug/L	U				
alpha-Chlordane	U	0.050	ug/L	U				
beta-BHC	U	0.050	ug/L	UJ				
delta-BHC	U	0.050	ug/L	U				
gamma-BHC (Lindane)	U	0.050	ug/L	U				
gamma-Chlordane	U	0.050	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Tre
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6F-011				6F-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		65.00	ug/L	J	J	8.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		11.00	ug/L	J		14.00	ug/L	J
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	J	3.00	ug/L	J	J	2.00	ug/L	J
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	J	1.00	ug/L	J	J	1.00	ug/L	J
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
emivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	R				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Tre
Analytical Results - Organics

Material:	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK
Process Area:	1	1
Sample:	6F-011	6F-012

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 6F - Plant 6 Salt Oil Heat Tre
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	6F-011				6F-012			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
esticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	FIELD BLANK
Process Area:	1	1	1	5
Sample:	8A-008	8A-011(TCLP)	8A-011A	8A-033

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	0.0285	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	0.0330	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		200.00	ug/L	-	U	0.1550	mg/L	UJ	U	10.00	ug/L	U		27.00	ug/L	-
2-Hexanone	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		12.00	ug/L	UJ					U	10.00	ug/L	UJ		16.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	0.0320	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	0.0385	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	0.0320	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	0.0280	mg/L	UJ	U	10.00	ug/L	U		13.00	ug/L	-
Chloromethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	0.0370	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	8.00	ug/L	J					U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	0.0395	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane													U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	0.0330	mg/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U					U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U									U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	26.00	ug/L	U									U	25.00	ug/L	U

001469

9212 29

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK
Process Area:	5	1	7	13
Sample:	8A-035	8A-035A	8A-045	8A-089

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U		29.00	ug/L	-		34.00	ug/L	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	R	J	8.00	ug/L	J	U	10.00	ug/L	UJ		15.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane					U	10.00	ug/L	U					U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichlorobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U
1,3-Dichlorobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U
1,4-Dichlorobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)									U	11.00	ug/L	U	U	10.00	ug/L	U
2,4,5-Trichlorophenol									U	27.00	ug/L	U	U	25.00	ug/L	U

020820

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	13	13	16	16
Sample:	8A-091	8A-091A	8A-102	8A-103

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	J	23.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	J	6.00	ug/L	J	U	10.00	ug/L	U	J	8.00	ug/L	J	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	10.00	ug/L	U				
1,2-Dichlorobenzene									U	10.00	ug/L	U				
1,3-Dichlorobenzene									U	10.00	ug/L	U				
1,4-Dichlorobenzene									U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)									U	10.00	ug/L	U				
2,4,5-Trichlorophenol									U	25.00	ug/L	U				

00124

2123

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	FIELD BLANK
Process Area:	1	1	1	5
Sample:	8A-008	8A-011(TCLP)	8A-011A	8A-033

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U									U	10.00	ug/L	U
2,4-Dichlorophenol	U	10.00	ug/L	U									U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U									U	10.00	ug/L	U
2,4-Dinitrophenol	U	26.00	ug/L	U									U	25.00	ug/L	UJ
2,4-Dinitrotoluene	U	10.00	ug/L	U									U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U									U	10.00	ug/L	U
2-Nitroaniline	U	26.00	ug/L	U									U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U									U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	U									U	10.00	ug/L	U
3-Nitroaniline	U	26.00	ug/L	U									U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U									U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U									U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U									U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U									U	10.00	ug/L	U
4-Nitroaniline	U	26.00	ug/L	U									U	25.00	ug/L	U
4-Nitrophenol	U	26.00	ug/L	U									U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U									U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U									U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U									U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U									U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U									U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U									U	10.00	ug/L	U
Butyl benzyl phthalate	U	10.00	ug/L	U									U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	U									U	10.00	ug/L	U
Chrysene	U	10.00	ug/L	U									U	10.00	ug/L	U
Di-n-butyl phthalate	U	10.00	ug/L	U									U	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	R									U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U									U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U									U	10.00	ug/L	U
Dimethyl phthalate	U	10.00	ug/L	U									U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U									U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U									U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U									U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	U									U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U									U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ									U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U									U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U									U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U									U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U									U	10.00	ug/L	U
Nitrobenzene	U	10.00	ug/L	U									U	10.00	ug/L	U

0012224

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK
Process Area:	5	1	7	13
Sample:	8A-035	8A-035A	8A-045	8A-089

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol									U	11.00	ug/L	U	U	10.00	ug/L	U
2,4-Dichlorophenol									U	11.00	ug/L	U	U	10.00	ug/L	U
2,4-Dimethylphenol									U	11.00	ug/L	U	U	10.00	ug/L	U
2,4-Dinitrophenol									U	27.00	ug/L	U	U	25.00	ug/L	UJ
2,4-Dinitrotoluene									U	11.00	ug/L	U	U	10.00	ug/L	U
2,6-Dinitrotoluene									U	11.00	ug/L	U	U	10.00	ug/L	U
2-Chloronaphthalene									U	11.00	ug/L	U	U	10.00	ug/L	U
2-Chlorophenol									U	11.00	ug/L	U	U	10.00	ug/L	U
2-Methylnaphthalene									U	11.00	ug/L	U	U	10.00	ug/L	U
2-Nitroaniline									U	27.00	ug/L	U	U	25.00	ug/L	U
2-Nitrophenol									U	11.00	ug/L	U	U	10.00	ug/L	U
3,3'-Dichlorobenzidine									U	11.00	ug/L	U	U	10.00	ug/L	U
3-Nitroaniline									U	27.00	ug/L	U	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol									U	27.00	ug/L	U	U	25.00	ug/L	U
4-Bromophenyl phenyl ether									U	11.00	ug/L	U	U	10.00	ug/L	U
4-Chloro-3-methylphenol									U	11.00	ug/L	U	U	10.00	ug/L	U
4-Chlorophenylphenyl ether									U	11.00	ug/L	U	U	10.00	ug/L	U
4-Nitroaniline									U	27.00	ug/L	U	U	25.00	ug/L	U
4-Nitrophenol									U	27.00	ug/L	U	U	25.00	ug/L	U
Acenaphthene									U	11.00	ug/L	U	U	10.00	ug/L	U
Acenaphthylene									U	11.00	ug/L	U	U	10.00	ug/L	U
Anthracene									U	11.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)anthracene									U	11.00	ug/L	U	U	10.00	ug/L	U
Benzo(a)pyrene									U	11.00	ug/L	U	U	10.00	ug/L	U
Benzo(b)fluoranthene									U	11.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(g,h,i)perylene									U	11.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(k)fluoranthene									U	11.00	ug/L	U	U	10.00	ug/L	U
Butyl benzyl phthalate									U	11.00	ug/L	U	U	10.00	ug/L	U
Carbazole									U	11.00	ug/L	U	U	10.00	ug/L	U
Chrysene									U	11.00	ug/L	U	U	10.00	ug/L	U
Di-n-butyl phthalate									J	1.00	ug/L	J	U	10.00	ug/L	U
Di-n-octyl phthalate									U	11.00	ug/L	R	U	10.00	ug/L	U
Dibenzo(a,h)anthracene									U	11.00	ug/L	UJ	U	10.00	ug/L	U
Dibenzofuran									U	11.00	ug/L	U	U	10.00	ug/L	U
Diethyl phthalate									U	11.00	ug/L	U	U	10.00	ug/L	U
Dimethyl phthalate									U	11.00	ug/L	U	U	10.00	ug/L	U
Fluoranthene									U	11.00	ug/L	U	U	10.00	ug/L	U
Fluorene									U	11.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U
Hexachlorobutadiene									U	11.00	ug/L	U	U	10.00	ug/L	U
Hexachlorocyclopentadiene									U	11.00	ug/L	U	U	10.00	ug/L	U
Hexachloroethane									U	11.00	ug/L	U	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene									U	11.00	ug/L	UJ	U	10.00	ug/L	U
Isophorone									U	11.00	ug/L	U	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine									U	11.00	ug/L	U	U	10.00	ug/L	U
N-Nitrosodiphenylamine									U	11.00	ug/L	U	U	10.00	ug/L	U
Naphthalene									U	11.00	ug/L	U	U	10.00	ug/L	U
Nitrobenzene									U	11.00	ug/L	U	U	10.00	ug/L	U

001423

0012123

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	13	13	16	16
Sample:	8A-091	8A-091A	8A-102	8A-103

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol									U	10.00	ug/L	U				
2,4-Dichlorophenol									U	10.00	ug/L	U				
2,4-Dimethylphenol									U	10.00	ug/L	U				
2,4-Dinitrophenol									U	25.00	ug/L	U				
2,4-Dinitrotoluene									U	10.00	ug/L	U				
2,6-Dinitrotoluene									U	10.00	ug/L	U				
2-Chloronaphthalene									U	10.00	ug/L	U				
2-Chlorophenol									U	10.00	ug/L	U				
2-Methylnaphthalene									U	10.00	ug/L	U				
2-Nitroaniline									U	25.00	ug/L	U				
2-Nitrophenol									U	10.00	ug/L	U				
3,3'-Dichlorobenzidine									U	10.00	ug/L	U				
3-Nitroaniline									U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol									U	25.00	ug/L	U				
4-Bromophenyl phenyl ether									U	10.00	ug/L	U				
4-Chloro-3-methylphenol									U	10.00	ug/L	U				
4-Chlorophenylphenyl ether									U	10.00	ug/L	U				
4-Nitroaniline									U	25.00	ug/L	U				
4-Nitrophenol									U	25.00	ug/L	U				
Acenaphthene									U	10.00	ug/L	U				
Acenaphthylene									U	10.00	ug/L	U				
Anthracene									U	10.00	ug/L	U				
Benzo(a)anthracene									U	10.00	ug/L	U				
Benzo(a)pyrene									U	10.00	ug/L	U				
Benzo(b)fluoranthene									U	10.00	ug/L	U				
Benzo(g,h,i)perylene									U	10.00	ug/L	U				
Benzo(k)fluoranthene									U	10.00	ug/L	U				
Butyl benzyl phthalate									U	10.00	ug/L	U				
Carbazole									U	10.00	ug/L	U				
Chrysene									U	10.00	ug/L	U				
Di-n-butyl phthalate									U	10.00	ug/L	U				
Di-n-octyl phthalate									U	10.00	ug/L	U				
Dibenzo(a,h)anthracene									U	10.00	ug/L	U				
Dibenzofuran									U	10.00	ug/L	U				
Diethyl phthalate									U	10.00	ug/L	U				
Dimethyl phthalate									U	10.00	ug/L	U				
Fluoranthene									U	10.00	ug/L	U				
Fluorene									U	10.00	ug/L	U				
Hexachlorobenzene									U	10.00	ug/L	U				
Hexachlorobutadiene									U	10.00	ug/L	U				
Hexachlorocyclopentadiene									U	10.00	ug/L	U				
Hexachloroethane									U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene									U	10.00	ug/L	U				
Isophorone									U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine									U	10.00	ug/L	U				
N-Nitrosodiphenylamine									U	10.00	ug/L	U				
Naphthalene									U	10.00	ug/L	U				
Nitrobenzene									U	10.00	ug/L	U				

0013224

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1				5			
Sample:	8A-008				8A-011(TCLP)				8A-011A				8A-033			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U									U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U									U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U									U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U									U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U									U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U									U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U									U	10.00	ug/L	U
o-Methylphenol	U	10.00	ug/L	U									U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	U									U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U									U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				FIELD BLANK				FIELD BLANK			
Process Area:	5				1				7				13			
Sample:	8A-035				8A-035A				8A-045				8A-089			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol									U	27.00	ug/L	U	U	25.00	ug/L	U
Phenanthrene									U	11.00	ug/L	U	U	10.00	ug/L	U
Phenol									U	11.00	ug/L	U	J	2.00	ug/L	J
Pyrene									U	11.00	ug/L	U	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane									U	11.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroethyl)ether									U	11.00	ug/L	U	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									U	11.00	ug/L	U	U	10.00	ug/L	U
o-Methylphenol									U	11.00	ug/L	U	U	10.00	ug/L	U
p-Chloroaniline									U	11.00	ug/L	U	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)									U	11.00	ug/L	U	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 8A - Recovery Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	13	13	16	16
Sample:	8A-091	8A-091A	8A-102	8A-103

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol									U	25.00	ug/L	U				
Phenanthrene									U	10.00	ug/L	U				
Phenol									U	10.00	ug/L	U				
Pyrene									U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane									U	10.00	ug/L	U				
bis(2-Chloroethyl)ether									U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									U	10.00	ug/L	U				
o-Methylphenol									U	10.00	ug/L	U				
p-Chloroaniline									U	10.00	ug/L	U				
p-Methylphenol (Cresol)									U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

3212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	9A-008				9A-009				9A-013				9A-014			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		21.00	ug/L	-	J	7.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	21.00	ug/L	R	BJ	10.00	ug/L	R	B	52.00	ug/L	R	B	28.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	1.00	ug/L	J	J	1.00	ug/L	J	J	1.00	ug/L	J	J	1.00	ug/L	J
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform		16.00	ug/L	-		17.00	ug/L	-		16.00	ug/L	-		16.00	ug/L	-
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	BJ	10.00	ug/L	U	U	10.00	ug/L	U	BJ	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	27.00	ug/L	U					U	26.00	ug/L	U				

001428

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	3	3	4	4
Sample:	9A-021	9A-023	9A-027	9A-029

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U		15.00	ug/L	-		48.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	12.00	ug/L	R	B	12.00	ug/L	R	B	53.00	ug/L	R	B	35.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform		11.00	ug/L	-		17.00	ug/L	-		12.00	ug/L	-		13.00	ug/L	-
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	U	U	10.00	ug/L	U	BJ	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,4,5-Trichlorophenol	U	26.00	ug/L	U					U	27.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				4				4			
Sample:	9A-029A(TCLP)				9A-052				9A-053			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	0.1000	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone						10.00	ug/L	UJ		34.00	ug/L	UJ
Benzene	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	0.0500	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	0.1000	mg/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol												

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	2	2
Sample:	9A-008	9A-009	9A-013	9A-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dinitrophenol	U	27.00	ug/L	U					U	26.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	U					U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U					U	10.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U					U	10.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U					U	10.00	ug/L	U				
2-Nitroaniline	U	27.00	ug/L	U					U	26.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U					U	10.00	ug/L	U				
3-Nitroaniline	U	27.00	ug/L	U					U	26.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	U					U	26.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U					U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U					U	10.00	ug/L	U				
4-Nitroaniline	U	27.00	ug/L	U					U	26.00	ug/L	U				
4-Nitrophenol	U	27.00	ug/L	U					U	26.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Anthracene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
Carbazole	U	11.00	ug/L	U					U	10.00	ug/L	U				
Chrysene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Di-n-butyl phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U					U	10.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Fluorene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U					U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Isophorone	U	11.00	ug/L	U					U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U					U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U					U	10.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U					U	10.00	ug/L	U				

EC-00

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	3				3				4				4			
Sample:	9A-021				9A-023				9A-027				9A-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,4-Dinitrophenol	U	26.00	ug/L	U					U	27.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	U					U	11.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U					U	11.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U					U	11.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U					U	11.00	ug/L	U				
2-Nitroaniline	U	26.00	ug/L	U					U	27.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U					U	11.00	ug/L	U				
3-Nitroaniline	U	26.00	ug/L	U					U	27.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U					U	27.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U					U	11.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U					U	11.00	ug/L	U				
4-Nitroaniline	U	26.00	ug/L	U					U	27.00	ug/L	U				
4-Nitrophenol	U	26.00	ug/L	U					U	27.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Anthracene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U					U	11.00	ug/L	U				
Carbazole	U	11.00	ug/L	U					U	11.00	ug/L	U				
Chrysene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Di-n-butyl phthalate	U	11.00	ug/L	U					U	11.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	U					U	11.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U					U	11.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	U					U	11.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U					U	11.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Fluorene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U					U	11.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Isophorone	U	11.00	ug/L	U					U	11.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U					U	11.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U					U	11.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U					U	11.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				4				4			
Sample:	9A-029A(TCLP)				9A-052				9A-053			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol												
2,4-Dichlorophenol												
2,4-Dimethylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
2-Chloronaphthalene												
2-Chlorophenol												
2-Methylnaphthalene												
2-Nitroaniline												
2-Nitrophenol												
3,3'-Dichlorobenzidine												
3-Nitroaniline												
4,6-Dinitro-2-methylphenol												
4-Bromophenyl phenyl ether												
4-Chloro-3-methylphenol												
4-Chlorophenylphenyl ether												
4-Nitroaniline												
4-Nitrophenol												
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Butyl benzyl phthalate												
Carbazole												
Chrysene												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Diethyl phthalate												
Dimethyl phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
N-Nitroso-di-n-propylamine												
N-Nitrosodiphenylamine												
Naphthalene												
Nitrobenzene												

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	2	2
Sample:	9A-008	9A-009	9A-013	9A-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	U					U	26.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Phenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
Pyrene	U	11.00	ug/L	U					U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U					U	10.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U					U	10.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U					U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U					U	10.00	ug/L	U				
esticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	3				3				4				4			
Sample:	9A-021				9A-023				9A-027				9A-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U					U	27.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Phenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
Pyrene	U	11.00	ug/L	U					U	11.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U					U	11.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U					U	11.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	J	1.00	ug/L	J					U	11.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U					U	11.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U					U	11.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U					U	11.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9A - Special Products Plant
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				4				4			
Sample:	9A-029A(TCLP)				9A-052				9A-053			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol												
Phenanthrene												
Phenol												
Pyrene												
Pyridine												
bis(2-Chloroethoxy)methane												
bis(2-Chloroethyl)ether												
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate												
o-Methylphenol												
p-Chloroaniline												
p-Methylphenol (Cresol)												
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1			
Sample:	9B-006				9B-009				9B-013A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	J	1.00	ug/L	J	U	10.00	ug/L	U	J	2.00	ug/L	J
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		64.00	ug/L	-		49.00	ug/L	-		78.00	ug/L	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		32.00	ug/L	R		21.00	ug/L	R		11.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U		14.00	ug/L	-
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	J	1.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene									U	10.00	ug/L	U
1,2-Dichlorobenzene									U	10.00	ug/L	U
1,3-Dichlorobenzene									U	10.00	ug/L	U
1,4-Dichlorobenzene									U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol									U	25.00	ug/L	U

2700
3212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1			
Sample:	9B-006				9B-009				9B-013A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol									U	10.00	ug/L	U
2,4-Dichlorophenol									U	10.00	ug/L	U
2,4-Dimethylphenol									U	10.00	ug/L	U
2,4-Dinitrophenol									U	25.00	ug/L	U
2,4-Dinitrotoluene									U	10.00	ug/L	U
2,6-Dinitrotoluene									U	10.00	ug/L	U
2-Chloronaphthalene									U	10.00	ug/L	U
2-Chlorophenol									U	10.00	ug/L	U
2-Methylnaphthalene									U	10.00	ug/L	U
2-Nitroaniline									U	25.00	ug/L	U
2-Nitrophenol									U	10.00	ug/L	U
3,3'-Dichlorobenzidine									U	10.00	ug/L	U
3-Nitroaniline									U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol									U	25.00	ug/L	U
4-Bromophenyl phenyl ether									U	10.00	ug/L	U
4-Chloro-3-methylphenol									U	10.00	ug/L	U
4-Chlorophenylphenyl ether									U	10.00	ug/L	U
4-Nitroaniline									U	25.00	ug/L	U
4-Nitrophenol									U	25.00	ug/L	UJ
Acenaphthene									U	10.00	ug/L	U
Acenaphthylene									U	10.00	ug/L	U
Anthracene									U	10.00	ug/L	U
Benzo(a)anthracene									U	10.00	ug/L	U
Benzo(a)pyrene									U	10.00	ug/L	U
Benzo(b)fluoranthene									U	10.00	ug/L	U
Benzo(g,h,i)perylene									U	10.00	ug/L	U
Benzo(k)fluoranthene									U	10.00	ug/L	U
Butyl benzyl phthalate									U	10.00	ug/L	U
Carbazole									U	10.00	ug/L	U
Chrysene									U	10.00	ug/L	U
Di-n-butyl phthalate									BJ	10.00	ug/L	U
Di-n-octyl phthalate									U	10.00	ug/L	U
Dibenzo(a,h)anthracene									U	10.00	ug/L	U
Dibenzofuran									U	10.00	ug/L	U
Diethyl phthalate									U	10.00	ug/L	U
Dimethyl phthalate									U	10.00	ug/L	U
Fluoranthene									U	10.00	ug/L	U
Fluorene									U	10.00	ug/L	U
Hexachlorobenzene									U	10.00	ug/L	U
Hexachlorobutadiene									U	10.00	ug/L	U
Hexachlorocyclopentadiene									U	10.00	ug/L	U
Hexachloroethane									U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene									U	10.00	ug/L	U
Isophorone									U	10.00	ug/L	U
N-Nitroso-di-n-propylamine									U	10.00	ug/L	U
N-Nitrosodiphenylamine									U	10.00	ug/L	U
Naphthalene									U	10.00	ug/L	U
Nitrobenzene									U	10.00	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 9B - Plant 9 Sump Treatment Fa
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	1				1				1			
Sample:	9B-006				9B-009				9B-013A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol									U	25.00	ug/L	U
Phenanthrene									U	10.00	ug/L	U
Phenol									U	10.00	ug/L	U
Pyrene									U	10.00	ug/L	U
Pyridine												
bis(2-Chloroethoxy)methane									U	10.00	ug/L	U
bis(2-Chloroethyl)ether									U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether									U	10.00	ug/L	U
bis(2-Ethylhexyl)phthalate									B	11.00	ug/L	U
o-Methylphenol									U	10.00	ug/L	U
p-Chloroaniline									U	10.00	ug/L	U
p-Methylphenol (Cresol)									U	10.00	ug/L	U
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	9D-004A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	9D-004A

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 9D - Plant 9 Substation
Analytical Results - Organics

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	9D-004A			
	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.100	ug/L	U
4,4'-DDE	U	0.100	ug/L	U
4,4'-DDT	U	0.100	ug/L	UJ
Aldrin	U	0.050	ug/L	U
Aroclor-1016	U	1.000	ug/L	U
Aroclor-1221	U	2.000	ug/L	U
Aroclor-1232	U	1.000	ug/L	U
Aroclor-1242	U	1.000	ug/L	U
Aroclor-1248	U	1.000	ug/L	U
Aroclor-1254	U	1.000	ug/L	U
Aroclor-1260	U	1.000	ug/L	U
Chlordane				
Dieldrin	U	0.100	ug/L	U
Endosulfan II	U	0.100	ug/L	U
Endosulfan sulfate	U	0.100	ug/L	U
Endosulfan-I	U	0.050	ug/L	U
Endrin	U	0.100	ug/L	U
Endrin aldehyde	U	0.100	ug/L	U
Endrin ketone	U	0.100	ug/L	U
Heptachlor	U	0.050	ug/L	U
Heptachlor epoxide	U	0.050	ug/L	U
Methoxychlor	U	0.500	ug/L	U
Toxaphene	U	5.000	ug/L	U
alpha-BHC	U	0.050	ug/L	UJ
alpha-Chlordane	U	0.050	ug/L	U
beta-BHC	U	0.050	ug/L	U
delta-BHC	U	0.050	ug/L	UJ
gamma-BHC (Lindane)	U	0.050	ug/L	UJ
gamma-Chlordane	U	0.050	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	10D-005				10D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		140.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	J	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	J	5.00	ug/L	J
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

001443

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	10D-005				10D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	R				
3-Nitroaniline	U	25.00	ug/L	R				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	BJ	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 10D - Cont. Oil/Graphite Burn
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	10D-005				10D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD	U	0.100	ug/L	UJ				
4,4'-DDE	U	0.100	ug/L	UJ				
4,4'-DDT	U	0.100	ug/L	U				
Aldrin	U	0.050	ug/L	U				
Aroclor-1016	U	1.000	ug/L	U				
Aroclor-1221	U	2.000	ug/L	U				
Aroclor-1232	U	1.000	ug/L	U				
Aroclor-1242	U	1.000	ug/L	U				
Aroclor-1248	U	1.000	ug/L	U				
Aroclor-1254	U	1.000	ug/L	U				
Aroclor-1260	U	1.000	ug/L	U				
Chlordane								
Dieldrin	U	0.100	ug/L	U				
Endosulfan II	U	0.100	ug/L	U				
Endosulfan sulfate	U	0.100	ug/L	U				
Endosulfan-I	U	0.050	ug/L	U				
Endrin	U	0.100	ug/L	U				
Endrin aldehyde	U	0.100	ug/L	U				
Endrin ketone	U	0.100	ug/L	U				
Heptachlor	U	0.050	ug/L	U				
Heptachlor epoxide	U	0.050	ug/L	U				
Methoxychlor	U	0.500	ug/L	U				
Toxaphene	U	5.000	ug/L	U				
alpha-BHC	U	0.050	ug/L	U				
alpha-Chlordane	U	0.050	ug/L	U				
beta-BHC	U	0.050	ug/L	UJ				
delta-BHC	U	0.050	ug/L	U				
gamma-BHC (Lindane)	U	0.050	ug/L	U				
gamma-Chlordane	U	0.050	ug/L	U				

001345

2123

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Buildin
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	12A-038				12A-039			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
olatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		17.00	ug/L	-		13.00	ug/L	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	29.00	ug/L	R	U	10.00	ug/L	R
Benzene	J	1.00	ug/L	J	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane		10.00	ug/L	U				
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
emivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U				
2,4,5-Trichlorophenol	U	28.00	ug/L	U				

001346

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Buildin
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	12A-038				12A-039			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U				
2,4-Dinitrophenol	U	28.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U				
2-Nitroaniline	U	28.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U				
3-Nitroaniline	U	28.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U				
4-Nitroaniline	U	28.00	ug/L	U				
4-Nitrophenol	U	28.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U				
Anthracene	U	11.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U				
Carbazole	U	11.00	ug/L	U				
Chrysene	U	11.00	ug/L	U				
Di-n-butyl phthalate	U	11.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U				
Fluorene	U	11.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U				
Isophorone	U	11.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U				

001447

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 12A - Main Maintenance Buildin
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	12A-038				12A-039			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	28.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U				
Phenol	J	6.00	ug/L	J				
Pyrene	U	11.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

001458

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	13A-018				13A-021				13A-043				13A-045			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	R
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		10.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	JB	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane													U	10.00	ug/L	U
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
o-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U				
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				RINSATE				FIELD BLANK			
Process Area:	3				3				3				3			
Sample:	13A-063				13A-065				13A-071				13A-075			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Acetone		27.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		26.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
o-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	UJ	U	25.00	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Process Area:	3	3	2	2
Sample:	13A-076	13A-076A	13A-083	13A-084

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		40.00	ug/L	J	U	10.00	ug/L	R	B	13.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	U	J	6.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene	U	10.00	ug/L	U												
o-Xylene	U	10.00	ug/L	U												
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene																
1,2-Dichlorobenzene																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol																

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	2	2
Sample:	13A-018	13A-021	13A-043	13A-045

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Di-n-butyl phthalate	JB	10.00	ug/L	U					JB	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U					J	0.20	ug/L	J				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U					U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U					U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				RINSATE				FIELD BLANK			
Process Area:	3				3				3				3			
Sample:	13A-063				13A-065				13A-071				13A-075			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2,4-Dichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2,4-Dimethylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	J	0.08	ug/L	J
2,4-Dinitrophenol	U	25.00	ug/L	R					U	25.00	ug/L	UJ	U	25.00	ug/L	U
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Chloronaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Chlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Methylnaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	UJ	U	25.00	ug/L	U
2-Nitrophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
3-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	UJ	U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ	U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	UJ	U	25.00	ug/L	U
4-Nitrophenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ	U	25.00	ug/L	U
Acenaphthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Acenaphthylene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(a)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(a)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Butyl benzyl phthalate	J	0.20	ug/L	J					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Carbazole	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chrysene	J	0.02	ug/L	J					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Di-n-butyl phthalate	JB	10.00	ug/L	U					JB	10.00	ug/L	UJ	JB	10.00	ug/L	U
Di-n-octyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Dibenzofuran	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Diethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ	J	0.20	ug/L	J
Dimethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Fluorene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachlorobutadiene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Hexachloroethane	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Isophorone	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Naphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Nitrobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	3				3				2				2			
Sample:	13A-076				13A-076A				13A-083				13A-084			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol																
2,4-Dichlorophenol																
2,4-Dimethylphenol																
2,4-Dinitrophenol																
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
2-Chloronaphthalene																
2-Chlorophenol																
2-Methylnaphthalene																
2-Nitroaniline																
2-Nitrophenol																
3,3'-Dichlorobenzidine																
3-Nitroaniline																
4,6-Dinitro-2-methylphenol																
4-Bromophenyl phenyl ether																
4-Chloro-3-methylphenol																
4-Chlorophenylphenyl ether																
4-Nitroaniline																
4-Nitrophenol																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzo(a)anthracene																
Benzo(a)pyrene																
Benzo(b)fluoranthene																
Benzo(g,h,i)perylene																
Benzo(k)fluoranthene																
Butyl benzyl phthalate																
Carbazole																
Chrysene																
Di-n-butyl phthalate																
Di-n-octyl phthalate																
Dibenzo(a,h)anthracene																
Dibenzofuran																
Diethyl phthalate																
Dimethyl phthalate																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno(1,2,3-cd)pyrene																
Isophorone																
N-Nitroso-di-n-propylamine																
N-Nitrosodiphenylamine																
Naphthalene																
Nitrobenzene																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	13A-018				13A-021				13A-043				13A-045			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U					JB	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	R					U	10.00	ug/L	R				
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	RINSATE	FIELD BLANK
Process Area:	3	3	3	3
Sample:	13A-063	13A-065	13A-071	13A-075

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ					U	25.00	ug/L	UJ	U	25.00	ug/L	U
Phenanthrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Phenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U					U	10.00	ug/L	UJ	JB	10.00	ug/L	U
o-Methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
p-Chloroaniline	U	10.00	ug/L	R					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 13A - Pilot Plant Wet Side
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	3				3				2				2			
Sample:	13A-076				13A-076A				13A-083				13A-084			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol																
Phenanthrene																
Phenol																
Pyrene																
Pyridine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate																
o-Methylphenol																
p-Chloroaniline																
p-Methylphenol (Cresol)																
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	13D-004				13D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ				
1,2-Dichlorobenzene	U	11.00	ug/L	UJ				
1,3-Dichlorobenzene	U	11.00	ug/L	UJ				
1,4-Dichlorobenzene	U	11.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	27.00	ug/L	UJ				

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	13D-004				13D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ				
2,4-Dichlorophenol	U	11.00	ug/L	UJ				
2,4-Dimethylphenol	U	11.00	ug/L	UJ				
2,4-Dinitrophenol	U	27.00	ug/L	UJ				
2,4-Dinitrotoluene	U	11.00	ug/L	UJ				
2,6-Dinitrotoluene	U	11.00	ug/L	UJ				
2-Chloronaphthalene	U	11.00	ug/L	UJ				
2-Chlorophenol	U	11.00	ug/L	UJ				
2-Methylnaphthalene	U	11.00	ug/L	UJ				
2-Nitroaniline	U	27.00	ug/L	UJ				
2-Nitrophenol	U	11.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ				
3-Nitroaniline	U	27.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ				
4-Nitroaniline	U	27.00	ug/L	UJ				
4-Nitrophenol	U	27.00	ug/L	UJ				
Acenaphthene	U	11.00	ug/L	UJ				
Acenaphthylene	U	11.00	ug/L	UJ				
Anthracene	U	11.00	ug/L	UJ				
Benzo(a)anthracene	U	11.00	ug/L	UJ				
Benzo(a)pyrene	U	11.00	ug/L	UJ				
Benzo(b)fluoranthene	U	11.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ				
Benzo(k)fluoranthene	U	11.00	ug/L	UJ				
Butyl benzyl phthalate	U	11.00	ug/L	UJ				
Carbazole	U	11.00	ug/L	UJ				
Chrysene	U	11.00	ug/L	UJ				
Di-n-butyl phthalate	J	1.00	ug/L	J				
Di-n-octyl phthalate	U	11.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ				
Dibenzofuran	U	11.00	ug/L	UJ				
Diethyl phthalate	U	11.00	ug/L	UJ				
Dimethyl phthalate	U	11.00	ug/L	UJ				
Fluoranthene	U	11.00	ug/L	UJ				
Fluorene	U	11.00	ug/L	UJ				
Hexachlorobenzene	U	11.00	ug/L	UJ				
Hexachlorobutadiene	U	11.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ				
Hexachloroethane	U	11.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ				
Isophorone	U	11.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ				
Naphthalene	U	11.00	ug/L	UJ				
Nitrobenzene	U	11.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 13D - Pilot Plant Thorium Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	13D-004				13D-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	UJ				
Phenanthrene	U	11.00	ug/L	UJ				
Phenol	U	11.00	ug/L	UJ				
Pyrene	U	11.00	ug/L	UJ				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ				
o-Methylphenol	U	11.00	ug/L	UJ				
p-Chloroaniline	U	11.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ				
esticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER			DI WATER			DI WATER			DI WATER		
QA Type:	RINSATE			FIELD BLANK			TRIP BLANK			TRIP BLANK		
Process Area:	1			1			1			1		
Sample:	15A-012			15A-014			15A-015			15A-015A		
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,1-Dichloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,1-Dichloroethene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,2-Dichloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
1,2-Dichloropropane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
2-Butanone	U	10.00	ug/L UJ		79.00	ug/L J	U	10.00	ug/L UJ	U	10.00	ug/L UJ
2-Hexanone	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
4-Methyl-2-pentanone	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Acetone	U	10.00	ug/L UJ	J	4.00	ug/L J	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Benzene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Bromodichloromethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Bromoform	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Bromomethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Carbon Tetrachloride	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Carbon disulfide	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Chlorobenzene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Chloroethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Chloroform	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Chloromethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Methylene chloride	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Styrene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Tetrachloroethene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Toluene	U	10.00	ug/L UJ	J	5.00	ug/L J	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Trichloroethene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Xylenes, Total	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
cis-1,3-Dichloropropene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ	U	10.00	ug/L UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	11.00	ug/L U	U	11.00	ug/L U						
1,2-Dichlorobenzene	U	11.00	ug/L U	U	11.00	ug/L U						
1,3-Dichlorobenzene	U	11.00	ug/L U	U	11.00	ug/L U						
1,4-Dichlorobenzene	U	11.00	ug/L U	U	11.00	ug/L U						
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L U	U	11.00	ug/L U						
2,4,5-Trichlorophenol	U	27.00	ug/L U	U	28.00	ug/L U						

95100

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	3				3			
Sample:	15A-021				15A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		76.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
emivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U				
2,4,5-Trichlorophenol	U	29.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	15A-012	15A-014	15A-015	15A-015A

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
2,4-Dichlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
2,4-Dimethylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
2,4-Dinitrophenol	U	27.00	ug/L	UJ	U	28.00	ug/L	UJ								
2,4-Dinitrotoluene	U	11.00	ug/L	U	U	11.00	ug/L	U								
2,6-Dinitrotoluene	U	11.00	ug/L	U	U	11.00	ug/L	U								
2-Chloronaphthalene	U	11.00	ug/L	U	U	11.00	ug/L	U								
2-Chlorophenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
2-Methylnaphthalene	U	11.00	ug/L	U	U	11.00	ug/L	U								
2-Nitroaniline	U	27.00	ug/L	U	U	28.00	ug/L	U								
2-Nitrophenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
3,3'-Dichlorobenzidine	U	11.00	ug/L	U	U	11.00	ug/L	U								
3-Nitroaniline	U	27.00	ug/L	U	U	28.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	U	U	28.00	ug/L	U								
4-Bromophenyl phenyl ether	U	11.00	ug/L	U	U	11.00	ug/L	U								
4-Chloro-3-methylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
4-Chlorophenylphenyl ether	U	11.00	ug/L	U	U	11.00	ug/L	U								
4-Nitroaniline	U	27.00	ug/L	U	U	28.00	ug/L	U								
4-Nitrophenol	U	27.00	ug/L	U	U	28.00	ug/L	U								
Acenaphthene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Acenaphthylene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Benzo(a)anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Benzo(a)pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Benzo(b)fluoranthene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Benzo(g,h,i)perylene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Benzo(k)fluoranthene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Butyl benzyl phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U								
Carbazole	U	11.00	ug/L	U	U	11.00	ug/L	U								
Chrysene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Di-n-butyl phthalate	J	2.00	ug/L	J	U	11.00	ug/L	U								
Di-n-octyl phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U								
Dibenzo(a,h)anthracene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Dibenzofuran	U	11.00	ug/L	U	U	11.00	ug/L	U								
Diethyl phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U								
Dimethyl phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U								
Fluoranthene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Fluorene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Hexachlorobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Hexachlorobutadiene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Hexachlorocyclopentadiene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Hexachloroethane	U	11.00	ug/L	U	U	11.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Isophorone	U	11.00	ug/L	U	U	11.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U	U	11.00	ug/L	U								
N-Nitrosodiphenylamine	U	11.00	ug/L	U	U	11.00	ug/L	U								
Naphthalene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Nitrobenzene	U	11.00	ug/L	U	U	11.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	3				3			
Sample:	15A-021				15A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U				
2,4-Dinitrophenol	U	29.00	ug/L	UJ				
2,4-Dinitrotoluene	U	11.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U				
2-Nitroaniline	U	29.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U				
3-Nitroaniline	U	29.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	29.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U				
4-Nitroaniline	U	29.00	ug/L	U				
4-Nitrophenol	U	29.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U				
Anthracene	U	11.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U				
Carbazole	U	11.00	ug/L	U				
Chrysene	U	11.00	ug/L	U				
Di-n-butyl phthalate	J	1.00	ug/L	J				
Di-n-octyl phthalate	U	11.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U				
Fluorene	U	11.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U				
Isophorone	U	11.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	15A-012				15A-014				15A-015				15A-015A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	U	U	28.00	ug/L	U								
Phenanthrene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Phenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
Pyrene	U	11.00	ug/L	U	U	11.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U	U	11.00	ug/L	U								
bis(2-Chloroethyl)ether	U	11.00	ug/L	U	U	11.00	ug/L	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U	U	11.00	ug/L	U								
o-Methylphenol	U	11.00	ug/L	U	U	11.00	ug/L	U								
p-Chloroaniline	U	11.00	ug/L	U	U	11.00	ug/L	U								
p-Methylphenol (Cresol)	U	11.00	ug/L	U	U	11.00	ug/L	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 15A - Laboratory
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	3				3			
Sample:	15A-021				15A-023			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	29.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U				
Phenol	U	11.00	ug/L	U				
Pyrene	U	11.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16A-004A				16A-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,2-Dichloroethane								
1,2-Dichloroethene (Total)								
1,2-Dichloropropane								
2-Butanone								
2-Hexanone								
4-Methyl-2-pentanone								
Acetone								
Benzene								
Bromodichloromethane								
Bromoform								
Bromomethane								
Carbon Tetrachloride								
Carbon disulfide								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Cyclohexanone								
Dibromochloromethane								
Ethyl ether								
Ethylbenzene								
Methylene chloride								
Styrene								
Tetrachloroethene								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl chloride								
Xylenes, Total								
cis-1,3-Dichloropropene								
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene								
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol								

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	DI WATER			DI WATER			
QA Type:	RINSATE			FIELD BLANK			
Process Area:	1			1			
Sample:	16A-004A			16A-005A			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol							
2,4-Dichlorophenol							
2,4-Dimethylphenol							
2,4-Dinitrophenol							
2,4-Dinitrotoluene							
2,6-Dinitrotoluene							
2-Chloronaphthalene							
2-Chlorophenol							
2-Methylnaphthalene							
2-Nitroaniline							
2-Nitrophenol							
3,3'-Dichlorobenzidine							
3-Nitroaniline							
4,6-Dinitro-2-methylphenol							
4-Bromophenyl phenyl ether							
4-Chloro-3-methylphenol							
4-Chlorophenylphenyl ether							
4-Nitroaniline							
4-Nitrophenol							
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Butyl benzyl phthalate							
Carbazole							
Chrysene							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Diethyl phthalate							
Dimethyl phthalate							
Fluoranthene							
Fluorene							
Hexachlorobenzene							
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Indeno(1,2,3-cd)pyrene							
Isophorone							
N-Nitroso-di-n-propylamine							
N-Nitrosodiphenylamine							
Naphthalene							
Nitrobenzene							

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16A - Main Electrical Station
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16A-004A				16A-005A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol								
Phenanthrene								
Phenol								
Pyrene								
Pyridine								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate								
o-Methylphenol								
p-Chloroaniline								
p-Methylphenol (Cresol)								
Pesticides/PCBs								
4,4'-DDD	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
4,4'-DDE	JP	0.070	ug/L	J	U	0.100	ug/L	UJ
4,4'-DDT	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Aldrin	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
Aroclor-1016	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Aroclor-1221	U	2.000	ug/L	UJ	U	2.000	ug/L	UJ
Aroclor-1232	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Aroclor-1242	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Aroclor-1248	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Aroclor-1254	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Aroclor-1260	U	1.000	ug/L	UJ	U	1.000	ug/L	UJ
Chlordane								
Dieldrin	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Endosulfan II	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Endosulfan sulfate	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Endosulfan-I	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
Endrin	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Endrin aldehyde	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Endrin ketone	U	0.100	ug/L	UJ	U	0.100	ug/L	UJ
Heptachlor	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
Heptachlor epoxide	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
Methoxychlor	U	0.500	ug/L	UJ	U	0.500	ug/L	UJ
Toxaphene	U	5.000	ug/L	UJ	U	5.000	ug/L	UJ
alpha-BHC	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
alpha-Chlordane	P	0.056	ug/L	J	U	0.050	ug/L	UJ
beta-BHC	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
delta-BHC	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
gamma-BHC (Lindane)	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ
gamma-Chlordane	U	0.050	ug/L	UJ	U	0.050	ug/L	UJ

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16B-003				16B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,2-Dichloroethane								
1,2-Dichloroethene (Total)								
1,2-Dichloropropane								
2-Butanone								
2-Hexanone								
4-Methyl-2-pentanone								
Acetone								
Benzene								
Bromodichloromethane								
Bromoform								
Bromomethane								
Carbon Tetrachloride								
Carbon disulfide								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Cyclohexanone								
Dibromochloromethane								
Ethyl ether								
Ethylbenzene								
Methylene chloride								
Styrene								
Tetrachloroethene								
Toluene								
Trichloroethene								
Trichlorofluoromethane								
Vinyl chloride								
Xylenes, Total								
cis-1,3-Dichloropropene								
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene								
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol								

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16B-003				16B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylnaphthalene								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4,6-Dinitro-2-methylphenol								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chlorophenylphenyl ether								
4-Nitroaniline								
4-Nitrophenol								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Butyl benzyl phthalate								
Carbazole								
Chrysene								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Diethyl phthalate								
Dimethyl phthalate								
Fluoranthene								
Fluorene								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Indeno(1,2,3-cd)pyrene								
Isophorone								
N-Nitroso-di-n-propylamine								
N-Nitrosodiphenylamine								
Naphthalene								
Nitrobenzene								

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 16B - Electrical Substation
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK			
Process Area:	1				1			
Sample:	16B-003				16B-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol								
Phenanthrene								
Phenol								
Pyrene								
Pyridine								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate								
o-Methylphenol								
p-Chloroaniline								
p-Methylphenol (Cresol)								
esticides/PCBs								
4,4'-DDD	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
4,4'-DDE	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
4,4'-DDT	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Aldrin	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
Aroclor-1016	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Aroclor-1221	U	2.200	ug/L	UJ	U	2.100	ug/L	UJ
Aroclor-1232	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Aroclor-1242	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Aroclor-1248	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Aroclor-1254	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Aroclor-1260	U	1.100	ug/L	UJ	U	1.100	ug/L	UJ
Chlordane								
Dieldrin	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Endosulfan II	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Endosulfan sulfate	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Endosulfan-I	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
Endrin	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Endrin aldehyde	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Endrin ketone	U	0.110	ug/L	UJ	U	0.110	ug/L	UJ
Heptachlor	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
Heptachlor epoxide	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
Methoxychlor	U	0.540	ug/L	UJ	U	0.530	ug/L	UJ
Toxaphene	U	5.400	ug/L	UJ	U	5.300	ug/L	UJ
alpha-BHC	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
alpha-Chlordane	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
beta-BHC	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
delta-BHC	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
gamma-BHC (Lindane)	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ
gamma-Chlordane	U	0.054	ug/L	UJ	U	0.053	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	16C-005				16C-006				16C-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)					U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane					U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone					U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone					U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone					U	10.00	ug/L	R		48.00	ug/L	J
Benzene					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform					U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride					U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide					U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene					U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform					U	10.00	ug/L	U	J	4.00	ug/L	J
Chloromethane					U	10.00	ug/L	UJ	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane					U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene					U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride					U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene					U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene					U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene					U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene					U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride					U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total					U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene					U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene					U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	16C-005				16C-006				16C-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16C - Electrical Panels & Tran
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	16C-005				16C-006				16C-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	J	2.00	ug/L	J								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16E - Main Electrical Transfor
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16E-003A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
emivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

0021700

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16E-003A

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	16E-003A			
	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.100	ug/L	UJ
4,4'-DDE	U	0.100	ug/L	UJ
4,4'-DDT	U	0.100	ug/L	UJ
Aldrin	U	0.051	ug/L	UJ
Aroclor-1016	U	1.000	ug/L	UJ
Aroclor-1221	U	2.000	ug/L	UJ
Aroclor-1232	U	1.000	ug/L	UJ
Aroclor-1242	U	1.000	ug/L	UJ
Aroclor-1248	U	1.000	ug/L	UJ
Aroclor-1254	U	1.000	ug/L	UJ
Aroclor-1260	U	1.000	ug/L	UJ
Chlordane				
Dieldrin	U	0.100	ug/L	UJ
Endosulfan II	U	0.100	ug/L	UJ
Endosulfan sulfate	U	0.100	ug/L	UJ
Endosulfan-I	U	0.051	ug/L	UJ
Endrin	U	0.100	ug/L	UJ
Endrin aldehyde	U	0.100	ug/L	UJ
Endrin ketone	U	0.100	ug/L	UJ
Heptachlor	U	0.051	ug/L	UJ
Heptachlor epoxide	U	0.051	ug/L	UJ
Methoxychlor	U	0.510	ug/L	UJ
Toxaphene	U	5.100	ug/L	UJ
alpha-BHC	U	0.051	ug/L	UJ
alpha-Chlordane	U	0.051	ug/L	UJ
beta-BHC	U	0.051	ug/L	UJ
delta-BHC	U	0.051	ug/L	UJ
gamma-BHC (Lindane)	U	0.051	ug/L	UJ
gamma-Chlordane	U	0.051	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16F-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16F - Trailer Substation #1
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16F-003

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	16F-003			
	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.100	ug/L	UJ
4,4'-DDE	U	0.100	ug/L	UJ
4,4'-DDT	U	0.100	ug/L	UJ
Aldrin	U	0.050	ug/L	UJ
Aroclor-1016	U	1.000	ug/L	UJ
Aroclor-1221	U	2.000	ug/L	UJ
Aroclor-1232	U	1.000	ug/L	UJ
Aroclor-1242	U	1.000	ug/L	UJ
Aroclor-1248	U	1.000	ug/L	UJ
Aroclor-1254	U	1.000	ug/L	UJ
Aroclor-1260	U	1.000	ug/L	UJ
Chlordane				
Dieldrin	U	0.100	ug/L	UJ
Endosulfan II	U	0.100	ug/L	UJ
Endosulfan sulfate	U	0.100	ug/L	UJ
Endosulfan-I	U	0.050	ug/L	UJ
Endrin	U	0.100	ug/L	UJ
Endrin aldehyde	U	0.100	ug/L	UJ
Endrin ketone	U	0.100	ug/L	UJ
Heptachlor	U	0.050	ug/L	UJ
Heptachlor epoxide	U	0.050	ug/L	UJ
Methoxychlor	U	0.500	ug/L	UJ
Toxaphene	U	5.000	ug/L	UJ
alpha-BHC	U	0.050	ug/L	UJ
alpha-Chlordane	U	0.050	ug/L	UJ
beta-BHC	U	0.050	ug/L	UJ
delta-BHC	U	0.050	ug/L	UJ
gamma-BHC (Lindane)	U	0.050	ug/L	UJ
gamma-Chlordane	U	0.050	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 16G - Trailer Substation #2
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16G-003A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
emivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	16G-003A

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Material:	DI WATER			
QA Type:	FIELD BLANK			
Process Area:	1			
Sample:	16G-003A			
	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.110	ug/L	U
4,4'-DDE	U	0.110	ug/L	U
4,4'-DDT	U	0.110	ug/L	U
Aldrin	U	0.056	ug/L	U
Aroclor-1016	U	1.100	ug/L	U
Aroclor-1221	U	2.200	ug/L	U
Aroclor-1232	U	1.100	ug/L	U
Aroclor-1242	U	1.100	ug/L	U
Aroclor-1248	U	1.100	ug/L	U
Aroclor-1254	U	1.100	ug/L	U
Aroclor-1260	U	1.100	ug/L	U
Chlordane				
Dieldrin	U	0.110	ug/L	U
Endosulfan II	U	0.110	ug/L	U
Endosulfan sulfate	U	0.110	ug/L	U
Endosulfan-I	U	0.056	ug/L	U
Endrin	U	0.110	ug/L	U
Endrin aldehyde	U	0.110	ug/L	U
Endrin ketone	U	0.110	ug/L	U
Heptachlor	U	0.056	ug/L	U
Heptachlor epoxide	U	0.056	ug/L	U
Methoxychlor	U	0.560	ug/L	U
Toxaphene	U	5.600	ug/L	U
alpha-BHC	U	0.056	ug/L	U
alpha-Chlordane	U	0.056	ug/L	U
beta-BHC	U	0.056	ug/L	U
delta-BHC	U	0.056	ug/L	U
gamma-BHC (Lindane)	U	0.056	ug/L	U
gamma-Chlordane	U	0.056	ug/L	U

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18A-001				18A-003				18A-009				18A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		170.00	ug/L	J	U	50.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Acetone		13.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	50.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Chloroform	U	10.00	ug/L	U	J	9.00	ug/L	J	J	6.00	ug/L	J	U	50.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U	B	18.00	ug/L	UJ	U	50.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J	U	50.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	50.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				
1,2-Dichlorobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				
1,3-Dichlorobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				
1,4-Dichlorobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)					U	20.00	ug/L	U								
2,4,5-Trichlorophenol					U	50.00	ug/L	U	U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18A-019				18A-022				18A-025				18A-029			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		17.00	ug/L	-	U	10.00	ug/L	U		35.00	ug/L	-	J	7.00	ug/L	J
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	J	9.00	ug/L	J		19.00	ug/L	U		37.00	ug/L	-		12.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	3.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	J	10.00	ug/L	U	U	10.00	ug/L	U	J	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	14.00	ug/L	U				

001386

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	FIELD BLANK	RINSATE	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18A-001	18A-003	18A-009	18A-010

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dichlorophenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dimethylphenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dinitrophenol					U	50.00	ug/L	U	U	25.00	ug/L	U				
2,4-Dinitrotoluene					U	20.00	ug/L	U	U	10.00	ug/L	U				
2,6-Dinitrotoluene					U	20.00	ug/L	U	U	10.00	ug/L	U				
2-Chloronaphthalene					U	20.00	ug/L	U	U	10.00	ug/L	U				
2-Chlorophenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
2-Methylnaphthalene					U	20.00	ug/L	U	U	10.00	ug/L	U				
2-Nitroaniline					U	50.00	ug/L	U	U	25.00	ug/L	U				
2-Nitrophenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine					U	20.00	ug/L	R	U	10.00	ug/L	R				
3-Nitroaniline					U	50.00	ug/L	U	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol					U	50.00	ug/L	U	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether					U	20.00	ug/L	U	U	10.00	ug/L	U				
4-Chloro-3-methylphenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether					U	20.00	ug/L	U	U	10.00	ug/L	U				
4-Nitroaniline					U	50.00	ug/L	U	U	25.00	ug/L	U				
4-Nitrophenol					U	50.00	ug/L	UJ	U	25.00	ug/L	U				
Acenaphthene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Acenaphthylene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Anthracene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)anthracene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)pyrene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Benzo(b)fluoranthene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Benzo(g,h,i)perylene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Benzo(k)fluoranthene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Butyl benzyl phthalate					U	20.00	ug/L	U	U	10.00	ug/L	U				
Carbazole					U	20.00	ug/L	U	U	10.00	ug/L	U				
Chrysene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Di-n-butyl phthalate					U	20.00	ug/L	U	U	10.00	ug/L	U				
Di-n-octyl phthalate					U	20.00	ug/L	U	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Dibenzofuran					U	20.00	ug/L	U	U	10.00	ug/L	U				
Diethyl phthalate					U	20.00	ug/L	U	U	10.00	ug/L	U				
Dimethyl phthalate					U	20.00	ug/L	U	U	10.00	ug/L	U				
Fluoranthene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Fluorene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobutadiene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorocyclopentadiene					U	20.00	ug/L	U	U	10.00	ug/L	UJ				
Hexachloroethane					U	20.00	ug/L	U	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Isophorone					U	20.00	ug/L	U	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine					U	20.00	ug/L	U	U	10.00	ug/L	U				
N-Nitrosodiphenylamine					U	20.00	ug/L	UJ	U	10.00	ug/L	U				
Naphthalene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Nitrobenzene					U	20.00	ug/L	U	U	10.00	ug/L	U				

0012827

0012827

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18A-019	18A-022	18A-025	18A-029

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U					U	14.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
2-Nitroaniline	U	25.00	ug/L	U					U	14.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	R					U	5.00	ug/L	R				
3-Nitroaniline	U	25.00	ug/L	U					U	14.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ					U	14.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
4-Nitroaniline	U	25.00	ug/L	UJ					U	14.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	U					U	14.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	UJ					U	5.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Di-n-butyl phthalate	J	3.00	ug/L	J					U	5.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ					U	5.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18A-001				18A-003				18A-009				18A-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol					U	50.00	ug/L	U	U	25.00	ug/L	U				
Phenanthrene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Phenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
Pyrene					U	20.00	ug/L	U	U	10.00	ug/L	U				
Pyridine					U	20.00	ug/L	U								
bis(2-Chloroethoxy)methane					U	20.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether					U	20.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether									U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate					U	20.00	ug/L	U	BJ	10.00	ug/L	U				
o-Methylphenol					U	20.00	ug/L	U	U	10.00	ug/L	U				
p-Chloroaniline					U	20.00	ug/L	U	U	10.00	ug/L	U				
p-Methylphenol (Cresol)					U	20.00	ug/L	U	U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18A - BDN Surge Lagoon
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18A-019	18A-022	18A-025	18A-029

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U					U	14.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Phenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
Pyrene	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U					BJ	5.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	U					U	5.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U					U	5.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	5.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

001350

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	18B-008				18B-009				18B-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		93.00	ug/L	J		160.00	ug/L	J		26.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	2.00	ug/L	J	J	3.00	ug/L	J	J	2.00	ug/L	J
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		17.00	ug/L	-		17.00	ug/L	-		14.00	ug/L	-
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	2.00	ug/L	J	J	3.00	ug/L	J	J	2.00	ug/L	J
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	18B-008	18B-009	18B-010

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Di-n-butyl phthalate	J	1.00	ug/L	J	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18B - General Sump
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	18B-008	18B-009	18B-010

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U				
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U	U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U				
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18C-006	18C-007	18C-013	18C-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)					U	10.00	ug/L	U					U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	R	J	9.00	ug/L	J	UJ	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Acetone		13.00	ug/L	R	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	1.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene	U	10.00	ug/L	U					U	10.00	ug/L	U				
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	UJ	U	25.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18C-006	18C-007	18C-013	18C-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	UJ	U	25.00	ug/L	R								
2,4-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	10.00	ug/L	R								
3-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ	U	25.00	ug/L	UJ								
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	R								
4-Nitrophenol	U	25.00	ug/L	UJ	U	25.00	ug/L	R								
Acenaphthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18C - Coal Pile Runoff Basin
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18C-006				18C-007				18C-013				18C-014			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
Pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	RINSATE
Process Area:	1	1	1	1
Sample:	18E-003	18E-004	18E-005	18E-008

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	R	J	9.00	ug/L	J		14.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	R	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		19.00	ug/L	R	U	10.00	ug/L	UJ		26.00	ug/L	J		19.00	ug/L	J
Benzene	J	1.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	6.00	ug/L	R	J	4.00	ug/L	J	U	10.00	ug/L	U	J	5.00	ug/L	J
Bromoform	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	J	2.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		23.00	ug/L	R		21.00	ug/L	-	J	4.00	ug/L	J		19.00	ug/L	-
Chloromethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	J	1.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	J	1.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	J	1.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	J	2.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
1,2-Dichlorobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
1,3-Dichlorobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
1,4-Dichlorobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,4,5-Trichlorophenol	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U

0012123

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	RINSATE	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18E-009	18E-011	18E-014	18E-015

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		27.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		24.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	J	3.00	ug/L	J	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	J	3.00	ug/L	J	U	10.00	ug/L	UJ		15.00	ug/L	J	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	10.00	ug/L	U				
1,2-Dichlorobenzene									U	10.00	ug/L	U				
1,3-Dichlorobenzene									U	10.00	ug/L	U				
1,4-Dichlorobenzene									U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)									U	10.00	ug/L	U				
2,4,5-Trichlorophenol									U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18E-018	18E-019	18E-020	18E-022

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ		48.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	R
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform		12.00	ug/L	J		12.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ	U	26.00	ug/L	U								

001699

001273

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	18E-028				18E-030			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	R
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol								

001700

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	RINSATE
Process Area:	1	1	1	1
Sample:	18E-003	18E-004	18E-005	18E-008

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,4-Dichlorophenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,4-Dimethylphenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,4-Dinitrophenol	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
2,4-Dinitrotoluene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2,6-Dinitrotoluene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2-Chloronaphthalene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2-Chlorophenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2-Methylnaphthalene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
2-Nitroaniline	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
2-Nitrophenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
3,3'-Dichlorobenzidine	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
3-Nitroaniline	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
4-Bromophenyl phenyl ether	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
4-Chloro-3-methylphenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
4-Chlorophenylphenyl ether	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
4-Nitroaniline	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
4-Nitrophenol	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
Acenaphthene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Acenaphthylene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Anthracene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Benzo(a)anthracene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Benzo(a)pyrene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Benzo(b)fluoranthene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Benzo(g,h,i)perylene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Benzo(k)fluoranthene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Butyl benzyl phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Carbazole	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Chrysene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Di-n-butyl phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Di-n-octyl phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Dibenzo(a,h)anthracene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Dibenzofuran	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Diethyl phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Dimethyl phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Fluoranthene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Fluorene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Hexachlorobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Hexachlorobutadiene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Hexachlorocyclopentadiene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Hexachloroethane	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Isophorone	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
N-Nitroso-di-n-propylamine	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
N-Nitrosodiphenylamine	U	13.00	ug/L	UJ	U	10.00	ug/L	U					U	10.00	ug/L	U
Naphthalene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Nitrobenzene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U

001501

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				RINSATE				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18E-009				18E-011				18E-014				18E-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol									U	10.00	ug/L	U				
2,4-Dichlorophenol									U	10.00	ug/L	U				
2,4-Dimethylphenol									U	10.00	ug/L	U				
2,4-Dinitrophenol									U	25.00	ug/L	U				
2,4-Dinitrotoluene									U	10.00	ug/L	U				
2,6-Dinitrotoluene									U	10.00	ug/L	U				
2-Chloronaphthalene									U	10.00	ug/L	U				
2-Chlorophenol									U	10.00	ug/L	U				
2-Methylnaphthalene									U	10.00	ug/L	U				
2-Nitroaniline									U	25.00	ug/L	U				
2-Nitrophenol									U	10.00	ug/L	U				
3,3'-Dichlorobenzidine									U	10.00	ug/L	UJ				
3-Nitroaniline									U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol									U	25.00	ug/L	U				
4-Bromophenyl phenyl ether									U	10.00	ug/L	U				
4-Chloro-3-methylphenol									U	10.00	ug/L	U				
4-Chlorophenylphenyl ether									U	10.00	ug/L	U				
4-Nitroaniline									U	25.00	ug/L	U				
4-Nitrophenol									U	25.00	ug/L	U				
Acenaphthene									U	10.00	ug/L	U				
Acenaphthylene									U	10.00	ug/L	U				
Anthracene									U	10.00	ug/L	U				
Benzo(a)anthracene									U	10.00	ug/L	U				
Benzo(a)pyrene									U	10.00	ug/L	U				
Benzo(b)fluoranthene									U	10.00	ug/L	U				
Benzo(g,h,i)perylene									U	10.00	ug/L	U				
Benzo(k)fluoranthene									U	10.00	ug/L	U				
Butyl benzyl phthalate									U	10.00	ug/L	U				
Carbazole									U	10.00	ug/L	U				
Chrysene									U	10.00	ug/L	U				
Di-n-butyl phthalate									JB	10.00	ug/L	U				
Di-n-octyl phthalate									U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene									U	10.00	ug/L	U				
Dibenzofuran									U	10.00	ug/L	U				
Diethyl phthalate									U	10.00	ug/L	U				
Dimethyl phthalate									U	10.00	ug/L	U				
Fluoranthene									U	10.00	ug/L	U				
Fluorene									U	10.00	ug/L	U				
Hexachlorobenzene									U	10.00	ug/L	U				
Hexachlorobutadiene									U	10.00	ug/L	U				
Hexachlorocyclopentadiene									U	10.00	ug/L	U				
Hexachloroethane									U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene									U	10.00	ug/L	U				
Isophorone									U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine									U	10.00	ug/L	U				
N-Nitrosodiphenylamine									U	10.00	ug/L	U				
Naphthalene									U	10.00	ug/L	U				
Nitrobenzene									U	10.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	RINSATE	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18E-018	18E-019	18E-020	18E-022

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
2-Nitroaniline	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
3-Nitroaniline	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
4-Nitroaniline	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
4-Nitrophenol	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	UJ	JB	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								

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2173

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	18E-028				18E-030			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylnaphthalene								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4,6-Dinitro-2-methylphenol								
4-Bromophenyl phenyl ether								
4-Chloro-3-methylphenol								
4-Chlorophenylphenyl ether								
4-Nitroaniline								
4-Nitrophenol								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Butyl benzyl phthalate								
Carbazole								
Chrysene								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Diethyl phthalate								
Dimethyl phthalate								
Fluoranthene								
Fluorene								
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Indeno(1,2,3-cd)pyrene								
Isophorone								
N-Nitroso-di-n-propylamine								
N-Nitrosodiphenylamine								
Naphthalene								
Nitrobenzene								

001504

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				RINSATE			
Process Area:	1				1				1				1			
Sample:	18E-003				18E-004				18E-005				18E-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	32.00	ug/L	U	U	25.00	ug/L	U					U	25.00	ug/L	U
Phenanthrene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Phenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Pyrene	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
bis(2-Chloroethyl)ether	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
o-Methylphenol	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
p-Chloroaniline	U	13.00	ug/L	R	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ
p-Methylphenol (Cresol)	U	13.00	ug/L	U	U	10.00	ug/L	U					U	10.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	RINSATE	TRIP BLANK
Process Area:	1	1	1	1
Sample:	18E-009	18E-011	18E-014	18E-015

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol									U	25.00	ug/L	U				
Phenanthrene									U	10.00	ug/L	U				
Phenol									U	10.00	ug/L	U				
Pyrene									U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane									U	10.00	ug/L	U				
bis(2-Chloroethyl)ether									U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									U	10.00	ug/L	U				
o-Methylphenol									U	10.00	ug/L	U				
p-Chloroaniline									U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)									U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18E - Storm Water Retention Ba
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	18E-018				18E-019				18E-020				18E-022			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	UJ	U	26.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ	U	10.00	ug/L	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Material:	DI WATER			DI WATER			
QA Type:	TRIP BLANK			TRIP BLANK			
Process Area:	1			1			
Sample:	18E-028			18E-030			
	LQ	RESULT	UNITS VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol							
Phenanthrene							
Phenol							
Pyrene							
Pyridine							
bis(2-Chloroethoxy)methane							
bis(2-Chloroethyl)ether							
bis(2-Chloroisopropyl) ether							
bis(2-Ethylhexyl)phthalate							
o-Methylphenol							
p-Chloroaniline							
p-Methylphenol (Cresol)							
esticides/PCBs							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
Aldrin							
Aroclor-1016							
Aroclor-1221							
Aroclor-1232							
Aroclor-1242							
Aroclor-1248							
Aroclor-1254							
Aroclor-1260							
Chlordane							
Dieldrin							
Endosulfan II							
Endosulfan sulfate							
Endosulfan-I							
Endrin							
Endrin aldehyde							
Endrin ketone							
Heptachlor							
Heptachlor epoxide							
Methoxychlor							
Toxaphene							
alpha-BHC							
alpha-Chlordane							
beta-BHC							
delta-BHC							
gamma-BHC (Lindane)							
gamma-Chlordane							

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	18G-004A

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 18G - Clearwell Pump House
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	18G-004A

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

00430

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	18G-004A

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.100	ug/L	U
4,4'-DDE	U	0.100	ug/L	U
4,4'-DDT	U	0.100	ug/L	U
Aldrin	U	0.051	ug/L	UJ
Aroclor-1016	U	1.000	ug/L	U
Aroclor-1221	U	2.000	ug/L	U
Aroclor-1232	U	1.000	ug/L	U
Aroclor-1242	U	1.000	ug/L	U
Aroclor-1248	U	1.000	ug/L	U
Aroclor-1254	U	1.000	ug/L	U
Aroclor-1260	U	1.000	ug/L	U
Chlordane				
Dieldrin	U	0.100	ug/L	U
Endosulfan II	U	0.100	ug/L	U
Endosulfan sulfate	U	0.100	ug/L	U
Endosulfan-I	U	0.051	ug/L	U
Endrin	U	0.100	ug/L	U
Endrin aldehyde	U	0.100	ug/L	U
Endrin ketone	U	0.100	ug/L	U
Heptachlor	U	0.051	ug/L	U
Heptachlor epoxide	U	0.051	ug/L	U
Methoxychlor	U	0.510	ug/L	U
Toxaphene	U	5.100	ug/L	U
alpha-BHC	U	0.051	ug/L	U
alpha-Chlordane	U	0.051	ug/L	U
beta-BHC	U	0.051	ug/L	U
delta-BHC	U	0.051	ug/L	U
gamma-BHC (Lindane)	U	0.051	ug/L	U
gamma-Chlordane	U	0.051	ug/L	U

001511

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	18J-004				18J-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		68.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		14.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	18J-004				18J-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 18J - Methanol Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	18J-004				18J-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	18K-002	18K-004	18K-005

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	3.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		10.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

0052573
3212

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	18K-002				18K-004				18K-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	JB	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

006516

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18K - Low Nitrate Tank
Analytical Results - Organics

	Material:	DI WATER				DI WATER				DI WATER			
	QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
	Process Area:	1				1				1			
	Sample:	18K-002				18K-004				18K-005			
		LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
	Pentachlorophenol	U	25.00	ug/L	U								
	Phenanthrene	U	10.00	ug/L	U								
	Phenol	U	10.00	ug/L	U								
	Pyrene	U	10.00	ug/L	U								
	Pyridine												
	bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
	bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
	bis(2-Chloroisopropyl) ether												
	bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
	o-Methylphenol	U	10.00	ug/L	U								
	p-Chloroaniline	U	10.00	ug/L	UJ								
	p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs													
	4,4'-DDD												
	4,4'-DDE												
	4,4'-DDT												
	Aldrin												
	Aroclor-1016												
	Aroclor-1221												
	Aroclor-1232												
	Aroclor-1242												
	Aroclor-1248												
	Aroclor-1254												
	Aroclor-1260												
	Chlordane												
	Dieldrin												
	Endosulfan II												
	Endosulfan sulfate												
	Endosulfan-I												
	Endrin												
	Endrin aldehyde												
	Endrin ketone												
	Heptachlor												
	Heptachlor epoxide												
	Methoxychlor												
	Toxaphene												
	alpha-BHC												
	alpha-Chlordane												
	beta-BHC												
	delta-BHC												
	gamma-BHC (Lindane)												
	gamma-Chlordane												

00534

8212

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	18L-002				18L-004				18L-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		66.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ		15.00	ug/L	J	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	3.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		18.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

00135

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	18L-002	18L-004	18L-005

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	JB	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

0015469

0 2123

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 18L - High Nitrate Tank
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	18L-002	18L-004	18L-005

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

006520

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	2				2			
Sample:	19D-014				19D-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Acetone	U	99.00	ug/L	UJ		20.00	ug/L	-
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U
o-Xylene	U	10.00	ug/L	U	U	10.00	ug/L	U
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

0015724

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	2				2			
Sample:	19D-014				19D-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	R				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	JB	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

001522

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 19D - Old North Tank Farm
Analytical Results - Organics

Material:	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK
Process Area:	2	2
Sample:	19D-014	19D-015

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	JB	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	R				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

001523

2128

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	22E-006				22E-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	3.00	ug/L	J	J	3.00	ug/L	J
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		18.00	ug/L	-		18.00	ug/L	-
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

0015234

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	22E-006				22E-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

001525

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 22E - Utility Trench to Pit Ar
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	22E-006				22E-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

0054526

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	25F-004				25F-006				25F-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloroform		18.00	ug/L	-	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ								
1,2-Dichlorobenzene	U	10.00	ug/L	UJ								
1,3-Dichlorobenzene	U	10.00	ug/L	UJ								
1,4-Dichlorobenzene	U	10.00	ug/L	UJ								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ								
2,4,5-Trichlorophenol	U	25.00	ug/L	UJ								

00152

8212

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	25F-004				25F-006				25F-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ								
2,4-Dichlorophenol	U	10.00	ug/L	UJ								
2,4-Dimethylphenol	U	10.00	ug/L	UJ								
2,4-Dinitrophenol	U	25.00	ug/L	UJ								
2,4-Dinitrotoluene	U	10.00	ug/L	UJ								
2,6-Dinitrotoluene	U	10.00	ug/L	UJ								
2-Chloronaphthalene	U	10.00	ug/L	UJ								
2-Chlorophenol	U	10.00	ug/L	UJ								
2-Methylnaphthalene	U	10.00	ug/L	UJ								
2-Nitroaniline	U	25.00	ug/L	UJ								
2-Nitrophenol	U	10.00	ug/L	UJ								
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ								
3-Nitroaniline	U	25.00	ug/L	UJ								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ								
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ								
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ								
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ								
4-Nitroaniline	U	25.00	ug/L	UJ								
4-Nitrophenol	U	25.00	ug/L	UJ								
Acenaphthene	U	10.00	ug/L	UJ								
Acenaphthylene	U	10.00	ug/L	UJ								
Anthracene	U	10.00	ug/L	UJ								
Benzo(a)anthracene	U	10.00	ug/L	UJ								
Benzo(a)pyrene	U	10.00	ug/L	UJ								
Benzo(b)fluoranthene	U	10.00	ug/L	UJ								
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ								
Benzo(k)fluoranthene	U	10.00	ug/L	UJ								
Butyl benzyl phthalate	U	10.00	ug/L	UJ								
Carbazole	U	10.00	ug/L	UJ								
Chrysene	U	10.00	ug/L	UJ								
Di-n-butyl phthalate	U	10.00	ug/L	UJ								
Di-n-octyl phthalate	U	10.00	ug/L	UJ								
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ								
Dibenzofuran	U	10.00	ug/L	UJ								
Diethyl phthalate	U	10.00	ug/L	UJ								
Dimethyl phthalate	U	10.00	ug/L	UJ								
Fluoranthene	U	10.00	ug/L	UJ								
Fluorene	U	10.00	ug/L	UJ								
Hexachlorobenzene	U	10.00	ug/L	UJ								
Hexachlorobutadiene	U	10.00	ug/L	UJ								
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ								
Hexachloroethane	U	10.00	ug/L	UJ								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ								
Isophorone	U	10.00	ug/L	UJ								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ								
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ								
Naphthalene	U	10.00	ug/L	UJ								
Nitrobenzene	U	10.00	ug/L	UJ								

001428

Appendix L.4 - Field Quality Control
Category 11 - Ponds/Basins
Component 25F - Sludge Drying Beds
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	25F-004				25F-006				25F-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ								
Phenanthrene	U	10.00	ug/L	UJ								
Phenol	U	10.00	ug/L	UJ								
Pyrene	U	10.00	ug/L	UJ								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ								
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	UJ								
o-Methylphenol	U	10.00	ug/L	UJ								
p-Chloroaniline	U	10.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	25G-011

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	R
4-Methyl-2-pentanone	U	10.00	ug/L	R
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Cyclohexanone				
Dibromochloromethane	U	10.00	ug/L	U
Ethyl ether				
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	BJ	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

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Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	25G-011

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	25G-011

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	25H-006				25H-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		150.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	7.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	25.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 5 - Aboveground Containers/Containerized Material
Component 25H - Trickling Filters
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	25H-006				25H-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ				
2,4-Dichlorophenol	U	10.00	ug/L	UJ				
2,4-Dimethylphenol	U	10.00	ug/L	UJ				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	UJ				
2-Methylnaphthalene	U	10.00	ug/L	UJ				
2-Nitroaniline	U	25.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ				
4-Nitroaniline	U	25.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	UJ				
Di-n-butyl phthalate	U	10.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	UJ				

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	25H-006				25H-008			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	UJ				
Phenol	U	10.00	ug/L	UJ				
Pyrene	U	10.00	ug/L	UJ				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	UJ				
p-Chloroaniline	U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	26C-008				26C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	9.00	ug/L	J	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	26C-008				26C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 26C - Main Electrical Strainer
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	26C-008				26C-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
esticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

00423

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	31A-011	31A-012	31A-013	31A-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone		19.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	12.00	ug/L	U												
1,2-Dichlorobenzene	U	12.00	ug/L	U												
1,3-Dichlorobenzene	U	12.00	ug/L	U												
1,4-Dichlorobenzene	U	12.00	ug/L	U												
2,2-oxybis(1-Chloropropane)	U	12.00	ug/L	U												
2,4,5-Trichlorophenol	U	30.00	ug/L	U												

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Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	31A-015

	LQ	RESULT	UNITS	VQ
olatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ
Cyclohexanone				
Dibromochloromethane	U	10.00	ug/L	UJ
Ethyl ether				
Ethylbenzene	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ
mivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

025 540

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	31A-011	31A-012	31A-013	31A-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	12.00	ug/L	U												
2,4-Dichlorophenol	U	12.00	ug/L	U												
2,4-Dimethylphenol	U	12.00	ug/L	U												
2,4-Dinitrophenol	U	30.00	ug/L	UJ												
2,4-Dinitrotoluene	U	12.00	ug/L	U												
2,6-Dinitrotoluene	U	12.00	ug/L	U												
2-Chloronaphthalene	U	12.00	ug/L	U												
2-Chlorophenol	U	12.00	ug/L	U												
2-Methylnaphthalene	U	12.00	ug/L	U												
2-Nitroaniline	U	30.00	ug/L	U												
2-Nitrophenol	U	12.00	ug/L	U												
3,3'-Dichlorobenzidine	U	12.00	ug/L	U												
3-Nitroaniline	U	30.00	ug/L	U												
4,6-Dinitro-2-methylphenol	U	30.00	ug/L	U												
4-Bromophenyl phenyl ether	U	12.00	ug/L	U												
4-Chloro-3-methylphenol	U	12.00	ug/L	U												
4-Chlorophenylphenyl ether	U	12.00	ug/L	U												
4-Nitroaniline	U	30.00	ug/L	U												
4-Nitrophenol	U	30.00	ug/L	U												
Acenaphthene	U	12.00	ug/L	U												
Acenaphthylene	U	12.00	ug/L	U												
Anthracene	U	12.00	ug/L	U												
Benzo(a)anthracene	U	12.00	ug/L	U												
Benzo(a)pyrene	U	12.00	ug/L	U												
Benzo(b)fluoranthene	U	12.00	ug/L	U												
Benzo(g,h,i)perylene	U	12.00	ug/L	U												
Benzo(k)fluoranthene	U	12.00	ug/L	U												
Butyl benzyl phthalate	U	12.00	ug/L	U												
Carbazole	U	12.00	ug/L	U												
Chrysene	U	12.00	ug/L	U												
Di-n-butyl phthalate	J	2.00	ug/L	J												
Di-n-octyl phthalate	U	12.00	ug/L	U												
Dibenzo(a,h)anthracene	U	12.00	ug/L	U												
Dibenzofuran	U	12.00	ug/L	U												
Diethyl phthalate	U	12.00	ug/L	U												
Dimethyl phthalate	U	12.00	ug/L	U												
Fluoranthene	U	12.00	ug/L	U												
Fluorene	U	12.00	ug/L	U												
Hexachlorobenzene	U	12.00	ug/L	U												
Hexachlorobutadiene	U	12.00	ug/L	U												
Hexachlorocyclopentadiene	U	12.00	ug/L	U												
Hexachloroethane	U	12.00	ug/L	U												
Indeno(1,2,3-cd)pyrene	U	12.00	ug/L	U												
Isophorone	U	12.00	ug/L	U												
N-Nitroso-di-n-propylamine	U	12.00	ug/L	U												
N-Nitrosodiphenylamine	U	12.00	ug/L	U												
Naphthalene	U	12.00	ug/L	U												
Nitrobenzene	U	12.00	ug/L	U												

0015421

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	DI WATER			
QA Type:	TRIP BLANK			
Process Area:	1			
Sample:	31A-015			
	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

001542

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 31A - Engine House/Garage
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	31A-011	31A-012	31A-013	31A-014

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	30.00	ug/L	U												
Phenanthrene	U	12.00	ug/L	U												
Phenol	U	12.00	ug/L	U												
Pyrene	U	12.00	ug/L	U												
Pyridine																
bis(2-Chloroethoxy)methane	U	12.00	ug/L	U												
bis(2-Chloroethyl)ether	U	12.00	ug/L	U												
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	12.00	ug/L	U												
o-Methylphenol	U	12.00	ug/L	U												
p-Chloroaniline	U	12.00	ug/L	U												
p-Methylphenol (Cresol)	U	12.00	ug/L	U												
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

001543

2123

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	31A-015

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

00574

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	6				6				7				7			
Sample:	37-024				37-026				37-032				37-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	J	2.00	ug/L	J	U	10.00	ug/L	UJ		17.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	1.00	ug/L	J	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				

001545

001212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	6				6				7				7			
Sample:	37-024				37-026				37-032				37-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
3-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U					U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U					U	25.00	ug/L	UJ				
4-Nitrophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U					U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Di-n-butyl phthalate	BJ	10.00	ug/L	U					U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U					U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U					U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U					U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U					U	10.00	ug/L	U				

001546

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 37 - Pilot Plant Annex
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	6				6				7				7			
Sample:	37-024				37-026				37-032				37-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U					U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U					U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U					U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				FIELD BLANK			
Process Area:	1				3				3				3			
Sample:	39A-012				39A-018(TCLP)				39A-019(TCLP)				39A-027A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U												
1,1,2,2-Tetrachloroethane	J	2.00	ug/L	J												
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U												
1,1-Dichloroethane	U	10.00	ug/L	U												
1,1-Dichloroethene	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
1,2-Dichloroethane	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
1,2-Dichloroethene (Total)	U	10.00	ug/L	U												
1,2-Dichloropropane	U	10.00	ug/L	U												
2-Butanone	U	10.00	ug/L	U		0.0372	mg/L	-	U	0.0100	mg/L	U				
2-Hexanone	J	4.00	ug/L	J												
4-Methyl-2-pentanone	J	4.00	ug/L	J												
Acetone	J	8.00	ug/L	R												
Benzene	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Bromodichloromethane	U	10.00	ug/L	U												
Bromoform	U	10.00	ug/L	U												
Bromomethane	U	10.00	ug/L	U												
Carbon Tetrachloride	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Carbon disulfide	U	10.00	ug/L	U												
Chlorobenzene	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Chloroethane	U	10.00	ug/L	U												
Chloroform	J	2.00	ug/L	J	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Chloromethane	U	10.00	ug/L	U												
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U												
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U												
Methylene chloride	U	10.00	ug/L	U												
Styrene	U	10.00	ug/L	U												
Tetrachloroethene	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Toluene	U	10.00	ug/L	U												
Trichloroethene	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	0.0050	mg/L	U	U	0.0050	mg/L	U				
Xylenes, Total	U	10.00	ug/L	U												
cis-1,3-Dichloropropene	U	10.00	ug/L	U												
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U												
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U												
1,2-Dichlorobenzene	U	10.00	ug/L	U												
1,3-Dichlorobenzene	U	10.00	ug/L	U												
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U								
2,2-oxybis(1-Chloropropane)																
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	0.0500	mg/L	U								

00254

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	DI WATER			
QA Type:	TRIP BLANK			
Process Area:	1			
Sample:	39A-034			
	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U
Acetone	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U
Cyclohexanone				
Dibromochloromethane	U	10.00	ug/L	U
Ethyl ether				
Ethylbenzene	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U
Trichlorofluoromethane				
Vinyl chloride	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene	U	10.00	ug/L	U
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

0061549

0061212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				FIELD BLANK			
Process Area:	1				3				3				3			
Sample:	39A-012				39A-018(TCLP)				39A-019(TCLP)				39A-027A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	0.0100	mg/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U												
2,4-Dimethylphenol	U	10.00	ug/L	U												
2,4-Dinitrophenol	U	25.00	ug/L	U												
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	0.0100	mg/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U												
2-Chloronaphthalene	U	10.00	ug/L	U												
2-Chlorophenol	U	10.00	ug/L	U												
2-Methylnaphthalene	U	10.00	ug/L	U												
2-Nitroaniline	U	25.00	ug/L	U												
2-Nitrophenol	U	10.00	ug/L	U												
3,3'-Dichlorobenzidine	U	10.00	ug/L	U												
3-Nitroaniline	U	25.00	ug/L	U												
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U												
4-Bromophenyl phenyl ether	U	10.00	ug/L	U												
4-Chloro-3-methylphenol	U	10.00	ug/L	U												
4-Chlorophenylphenyl ether	U	10.00	ug/L	U												
4-Nitroaniline	U	25.00	ug/L	U												
4-Nitrophenol	U	25.00	ug/L	U												
Acenaphthene	U	10.00	ug/L	U												
Acenaphthylene	U	10.00	ug/L	U												
Anthracene	U	10.00	ug/L	U												
Benzo(a)anthracene	U	10.00	ug/L	U												
Benzo(a)pyrene	U	10.00	ug/L	UJ												
Benzo(b)fluoranthene	U	10.00	ug/L	UJ												
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ												
Benzo(k)fluoranthene	U	10.00	ug/L	UJ												
Butyl benzyl phthalate	U	10.00	ug/L	U												
Carbazole	U	10.00	ug/L	U												
Chrysene	U	10.00	ug/L	U												
Di-n-butyl phthalate	J	10.00	ug/L	U												
Di-n-octyl phthalate	U	10.00	ug/L	UJ												
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ												
Dibenzofuran	U	10.00	ug/L	U												
Diethyl phthalate	U	10.00	ug/L	U												
Dimethyl phthalate	U	10.00	ug/L	U												
Fluoranthene	U	10.00	ug/L	U												
Fluorene	U	10.00	ug/L	U												
Hexachlorobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U	U	0.0100	mg/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U												
Hexachloroethane	U	10.00	ug/L	U	U	0.0100	mg/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ												
Isophorone	U	10.00	ug/L	U												
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U												
N-Nitrosodiphenylamine	U	10.00	ug/L	U												
Naphthalene	U	10.00	ug/L	U												
Nitrobenzene	U	10.00	ug/L	U	U	0.0100	mg/L	U								

005250

Material:	DI WATER
QA Type:	TRIP BLANK
Process Area:	1
Sample:	39A-034

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				FIELD BLANK			
Process Area:	1				3				3				3			
Sample:	39A-012				39A-018(TCLP)				39A-019(TCLP)				39A-027A			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U	U	0.0500	mg/L	U								
Phenanthrene	U	10.00	ug/L	U												
Phenol	U	10.00	ug/L	U												
Pyrene	U	10.00	ug/L	U												
Pyridine					U	0.0100	mg/L	U								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U												
bis(2-Chloroethyl)ether	U	10.00	ug/L	U												
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U												
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U												
o-Methylphenol	U	10.00	ug/L	U	U	0.0100	mg/L	U								
p-Chloroaniline	U	10.00	ug/L	U												
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	0.0100	mg/L	U								
Pesticides/PCBs																
4,4'-DDD													U	0.100	ug/L	UJ
4,4'-DDE													U	0.100	ug/L	UJ
4,4'-DDT													U	0.100	ug/L	UJ
Aldrin													U	0.050	ug/L	UJ
Aroclor-1016													U	1.000	ug/L	UJ
Aroclor-1221													U	2.000	ug/L	UJ
Aroclor-1232													U	1.000	ug/L	UJ
Aroclor-1242													U	1.000	ug/L	UJ
Aroclor-1248													U	1.000	ug/L	UJ
Aroclor-1254													U	1.000	ug/L	UJ
Aroclor-1260													U	1.000	ug/L	UJ
Chlordane																
Dieldrin													U	0.100	ug/L	UJ
Endosulfan II													U	0.100	ug/L	UJ
Endosulfan sulfate													U	0.100	ug/L	UJ
Endosulfan-I													U	0.050	ug/L	UJ
Endrin													U	0.100	ug/L	UJ
Endrin aldehyde													U	0.100	ug/L	UJ
Endrin ketone													U	0.100	ug/L	UJ
Heptachlor													U	0.050	ug/L	UJ
Heptachlor epoxide													U	0.050	ug/L	UJ
Methoxychlor													U	0.500	ug/L	UJ
Toxaphene													U	5.000	ug/L	UJ
alpha-BHC													U	0.050	ug/L	UJ
alpha-Chlordane													U	0.050	ug/L	UJ
beta-BHC													U	0.050	ug/L	UJ
delta-BHC													U	0.050	ug/L	UJ
gamma-BHC (Lindane)													U	0.050	ug/L	UJ
gamma-Chlordane													U	0.050	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39A - Incinerator Building
Analytical Results - Organics

Material:	DI WATER			
QA Type:	TRIP BLANK			
Process Area:	1			
Sample:	39A-034			
	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016				
Aroclor-1221				
Aroclor-1232				
Aroclor-1242				
Aroclor-1248				
Aroclor-1254				
Aroclor-1260				
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	39B-008				39B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		110.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	3.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		14.00	ug/L	-	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	5.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	39B-008				39B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 39B - Waste Oil Decant Shelter
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	39B-008				39B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant I
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	39D-008

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

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Appendix L.4 - Field Quality Control
Category 9 - Aboveground Piping, Utilities, Equipment
Component 39D - Sewage Treatment Plant I
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	39D-008

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

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Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	39D-008

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Aldrin				
Aroclor-1016	U	1.000	ug/L	U
Aroclor-1221	U	1.000	ug/L	U
Aroclor-1232	U	1.000	ug/L	U
Aroclor-1242	U	1.000	ug/L	U
Aroclor-1248	U	1.000	ug/L	U
Aroclor-1254	U	1.000	ug/L	U
Aroclor-1260	U	1.000	ug/L	U
Chlordane				
Dieldrin				
Endosulfan II				
Endosulfan sulfate				
Endosulfan-I				
Endrin				
Endrin aldehyde				
Endrin ketone				
Heptachlor				
Heptachlor epoxide				
Methoxychlor				
Toxaphene				
alpha-BHC				
alpha-Chlordane				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
gamma-Chlordane				

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	46-008				46-009				46-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	J	10.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	B	11.00	ug/L	R	B	16.00	ug/L	R	B	11.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	BJ	10.00	ug/L	UJ	BJ	10.00	ug/L	UJ	B	13.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	12.00	ug/L	UJ								
1,2-Dichlorobenzene	U	12.00	ug/L	UJ								
1,3-Dichlorobenzene	U	12.00	ug/L	UJ								
1,4-Dichlorobenzene	U	12.00	ug/L	UJ								
2,2-oxybis(1-Chloropropane)	U	12.00	ug/L	UJ								
2,4,5-Trichlorophenol	U	30.00	ug/L	UJ								

00150

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	46-008				46-009				46-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	12.00	ug/L	UJ								
2,4-Dichlorophenol	U	12.00	ug/L	UJ								
2,4-Dimethylphenol	U	12.00	ug/L	UJ								
2,4-Dinitrophenol	U	30.00	ug/L	UJ								
2,4-Dinitrotoluene	U	12.00	ug/L	UJ								
2,6-Dinitrotoluene	U	12.00	ug/L	UJ								
2-Chloronaphthalene	U	12.00	ug/L	UJ								
2-Chlorophenol	U	12.00	ug/L	UJ								
2-Methylnaphthalene	U	12.00	ug/L	UJ								
2-Nitroaniline	U	30.00	ug/L	UJ								
2-Nitrophenol	U	12.00	ug/L	UJ								
3,3'-Dichlorobenzidine	U	12.00	ug/L	UJ								
3-Nitroaniline	U	30.00	ug/L	UJ								
4,6-Dinitro-2-methylphenol	U	30.00	ug/L	UJ								
4-Bromophenyl phenyl ether	U	12.00	ug/L	UJ								
4-Chloro-3-methylphenol	U	12.00	ug/L	UJ								
4-Chlorophenylphenyl ether	U	12.00	ug/L	UJ								
4-Nitroaniline	U	30.00	ug/L	UJ								
4-Nitrophenol	U	30.00	ug/L	UJ								
Acenaphthene	U	12.00	ug/L	UJ								
Acenaphthylene	U	12.00	ug/L	UJ								
Anthracene	U	12.00	ug/L	UJ								
Benzo(a)anthracene	U	12.00	ug/L	UJ								
Benzo(a)pyrene	U	12.00	ug/L	UJ								
Benzo(b)fluoranthene	U	12.00	ug/L	UJ								
Benzo(g,h,i)perylene	U	12.00	ug/L	UJ								
Benzo(k)fluoranthene	U	12.00	ug/L	UJ								
Butyl benzyl phthalate	U	12.00	ug/L	UJ								
Carbazole	U	12.00	ug/L	UJ								
Chrysene	U	12.00	ug/L	UJ								
Di-n-butyl phthalate	J	3.00	ug/L	J								
Di-n-octyl phthalate	U	12.00	ug/L	UJ								
Dibenzo(a,h)anthracene	U	12.00	ug/L	UJ								
Dibenzofuran	U	12.00	ug/L	UJ								
Diethyl phthalate	U	12.00	ug/L	UJ								
Dimethyl phthalate	U	12.00	ug/L	UJ								
Fluoranthene	U	12.00	ug/L	UJ								
Fluorene	U	12.00	ug/L	UJ								
Hexachlorobenzene	U	12.00	ug/L	UJ								
Hexachlorobutadiene	U	12.00	ug/L	UJ								
Hexachlorocyclopentadiene	U	12.00	ug/L	UJ								
Hexachloroethane	U	12.00	ug/L	UJ								
Indeno(1,2,3-cd)pyrene	U	12.00	ug/L	UJ								
Isophorone	U	12.00	ug/L	UJ								
N-Nitroso-di-n-propylamine	U	12.00	ug/L	UJ								
N-Nitrosodiphenylamine	U	12.00	ug/L	UJ								
Naphthalene	U	12.00	ug/L	UJ								
Nitrobenzene	U	12.00	ug/L	UJ								

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 46 - Heavy Equipment Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	46-008				46-009				46-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	30.00	ug/L	UJ								
Phenanthrene	U	12.00	ug/L	UJ								
Phenol	U	12.00	ug/L	UJ								
Pyrene	U	12.00	ug/L	UJ								
Pyridine												
bis(2-Chloroethoxy)methane	U	12.00	ug/L	UJ								
bis(2-Chloroethyl)ether	U	12.00	ug/L	UJ								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	12.00	ug/L	UJ								
o-Methylphenol	U	12.00	ug/L	UJ								
p-Chloroaniline	U	12.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	12.00	ug/L	UJ								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	54C-005				54C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		20.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	BJ	10.00	ug/L	R	BJ	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	J	1.00	ug/L	J	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	µg/L	UJ	U	10.00	ug/L	UJ
Chloroform		13.00	ug/L	J		14.00	ug/L	J
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	J	10.00	ug/L	UJ	J	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	2.00	ug/L	J	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)								
2,4,5-Trichlorophenol	U	50.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator
Analytical Results - Organics

Material:	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK
Process Area:	1	1
Sample:	54C-005	54C-006

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	50.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	50.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	20.00	ug/L	UJ				
3-Nitroaniline	U	50.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	50.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	50.00	ug/L	UJ				
4-Nitrophenol	U	50.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole								
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

0012304

Appendix L.4 - Field Quality Control
Category 4 - Process Support
Component 54C - Pilot Plant Dissociator
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	54C-005				54C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	50.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	UJ				
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

001595

001595

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	55B-007				55B-008				55B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ		12.00	ug/L	-	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Acetone		20.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloroform		15.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

00153

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	55B-007				55B-008				55B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 55B - Slag Recycling Pit/Eleva
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	55B-007				55B-008				55B-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	J	2.00	ug/L	J								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
esticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	62-006

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

00159

Appendix L.4 - Field Quality Control
Category 2 - Warehouse/Storage
Component 62 - Quonset Hut #3
Analytical Results - Organics

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	62-006

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

00270

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	62-006

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.110	ug/L	U
4,4'-DDE	U	0.110	ug/L	U
4,4'-DDT	U	0.110	ug/L	U
Aldrin	U	0.053	ug/L	UJ
Aroclor-1016	U	1.100	ug/L	U
Aroclor-1221	U	2.100	ug/L	U
Aroclor-1232	U	1.100	ug/L	U
Aroclor-1242	U	1.100	ug/L	U
Aroclor-1248	U	1.100	ug/L	U
Aroclor-1254	U	1.100	ug/L	U
Aroclor-1260	U	1.100	ug/L	U
Chlordane				
Dieldrin	U	0.110	ug/L	U
Endosulfan II	U	0.110	ug/L	U
Endosulfan sulfate	U	0.110	ug/L	U
Endosulfan-I	U	0.053	ug/L	U
Endrin	U	0.110	ug/L	U
Endrin aldehyde	U	0.110	ug/L	U
Endrin ketone	U	0.110	ug/L	U
Heptachlor	U	0.053	ug/L	U
Heptachlor epoxide	U	0.053	ug/L	U
Methoxychlor	U	0.530	ug/L	U
Toxaphene	U	5.300	ug/L	U
alpha-BHC	U	0.053	ug/L	U
alpha-Chlordane	U	0.053	ug/L	U
beta-BHC	U	0.053	ug/L	U
delta-BHC	U	0.053	ug/L	U
gamma-BHC (Lindane)	U	0.053	ug/L	U
gamma-Chlordane	U	0.053	ug/L	U

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	2				2				3				3			
Sample:	66-011				66-012				66-018				66-019			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		34.00	ug/L	J	U	10.00	ug/L	UJ		72.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		59.00	ug/L	UJ		11.00	ug/L	UJ		16.00	ug/L	J		35.00	ug/L	J
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform		15.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	26.00	ug/L	U					U	26.00	ug/L	UJ				

00152

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	2	2	3	3
Sample:	66-011	66-012	66-018	66-019

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,4-Dichlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,4-Dimethylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,4-Dinitrophenol	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2-Methylnaphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
2-Nitroaniline	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
3-Nitroaniline	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
4-Nitroaniline	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
4-Nitrophenol	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Di-n-butyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				

0045943

0212

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 66 - Drum Reconditioning Build
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	2	2	3	3
Sample:	66-011	66-012	66-018	66-019

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U					U	26.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Phenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Pyrene	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
p-Chloroaniline	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	U					U	10.00	ug/L	UJ				
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	69-010	69-011	69-013

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Acetone		31.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chloroform		12.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	69-010				69-011				69-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	UJ								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	U								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	UJ								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

Appendix L.4 - Field Quality Control
Category 3 - Process
Component 69 - Decontamination Building
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	69-010				69-011				69-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74A-004				74A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	8.00	ug/L	J		22.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	4.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		20.00	ug/L	-	J	4.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	J	1.00	ug/L	J
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	J	2.00	ug/L	J
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
emivolatile Organics								
1,2,4-Trichlorobenzene	U	14.00	ug/L	U				
1,2-Dichlorobenzene	U	14.00	ug/L	U				
1,3-Dichlorobenzene	U	14.00	ug/L	U				
1,4-Dichlorobenzene	U	14.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	14.00	ug/L	U				
2,4,5-Trichlorophenol	U	36.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74A-004				74A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	14.00	ug/L	U				
2,4-Dichlorophenol	U	14.00	ug/L	U				
2,4-Dimethylphenol	U	14.00	ug/L	U				
2,4-Dinitrophenol	U	36.00	ug/L	U				
2,4-Dinitrotoluene	U	14.00	ug/L	U				
2,6-Dinitrotoluene	U	14.00	ug/L	U				
2-Chloronaphthalene	U	14.00	ug/L	U				
2-Chlorophenol	U	14.00	ug/L	U				
2-Methylnaphthalene	U	14.00	ug/L	U				
2-Nitroaniline	U	36.00	ug/L	U				
2-Nitrophenol	U	14.00	ug/L	U				
3,3'-Dichlorobenzidine	U	14.00	ug/L	U				
3-Nitroaniline	U	36.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	36.00	ug/L	U				
4-Bromophenyl phenyl ether	U	14.00	ug/L	U				
4-Chloro-3-methylphenol	U	14.00	ug/L	U				
4-Chlorophenylphenyl ether	U	14.00	ug/L	U				
4-Nitroaniline	U	36.00	ug/L	U				
4-Nitrophenol	U	36.00	ug/L	U				
Acenaphthene	U	14.00	ug/L	U				
Acenaphthylene	U	14.00	ug/L	U				
Anthracene	U	14.00	ug/L	U				
Benzo(a)anthracene	U	14.00	ug/L	U				
Benzo(a)pyrene	U	14.00	ug/L	U				
Benzo(b)fluoranthene	U	14.00	ug/L	U				
Benzo(g,h,i)perylene	U	14.00	ug/L	U				
Benzo(k)fluoranthene	U	14.00	ug/L	U				
Butyl benzyl phthalate	U	14.00	ug/L	U				
Carbazole	U	14.00	ug/L	U				
Chrysene	U	14.00	ug/L	U				
Di-n-butyl phthalate	U	14.00	ug/L	U				
Di-n-octyl phthalate	U	14.00	ug/L	U				
Dibenzo(a,h)anthracene	U	14.00	ug/L	U				
Dibenzofuran	U	14.00	ug/L	U				
Diethyl phthalate	U	14.00	ug/L	U				
Dimethyl phthalate	U	14.00	ug/L	U				
Fluoranthene	U	14.00	ug/L	U				
Fluorene	U	14.00	ug/L	U				
Hexachlorobenzene	U	14.00	ug/L	U				
Hexachlorobutadiene	U	14.00	ug/L	U				
Hexachlorocyclopentadiene	U	14.00	ug/L	U				
Hexachloroethane	U	14.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	14.00	ug/L	U				
Isophorone	U	14.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	14.00	ug/L	U				
N-Nitrosodiphenylamine	U	14.00	ug/L	UJ				
Naphthalene	U	14.00	ug/L	U				
Nitrobenzene	U	14.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74A - Plant 2 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74A-004				74A-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	36.00	ug/L	U				
Phenanthrene	U	14.00	ug/L	U				
Phenol	U	14.00	ug/L	U				
Pyrene	U	14.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	14.00	ug/L	U				
bis(2-Chloroethyl)ether	U	14.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	14.00	ug/L	U				
o-Methylphenol	U	14.00	ug/L	U				
p-Chloroaniline	U	14.00	ug/L	R				
p-Methylphenol (Cresol)	U	14.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74C-005				74C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		50.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	7.00	ug/L	J		31.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	2.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		21.00	ug/L	-	J	5.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	J	2.00	ug/L	J	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	J	1.00	ug/L	J
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	J	2.00	ug/L	J
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

00154
0212
3

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74C-005				74C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

0015282

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74C - Plant 8 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74C-005				74C-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	J	3.00	ug/L	J				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	R				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74D-004				74D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	R
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	R	U	10.00	ug/L	R
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	R
1,1-Dichloroethane	J	2.00	ug/L	R	U	10.00	ug/L	R
1,1-Dichloroethene	J	2.00	ug/L	R	U	10.00	ug/L	R
1,2-Dichloroethane	U	10.00	ug/L	R	U	10.00	ug/L	R
1,2-Dichloroethene (Total)	J	4.00	ug/L	R	J	2.00	ug/L	R
1,2-Dichloropropane	U	10.00	ug/L	R	U	10.00	ug/L	R
2-Butanone	U	10.00	ug/L	R	U	10.00	ug/L	R
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	R
4-Methyl-2-pentanone	U	10.00	ug/L	R	U	10.00	ug/L	R
Acetone	U	10.00	ug/L	R		23.00	ug/L	R
Benzene	J	2.00	ug/L	R	J	2.00	ug/L	R
Bromodichloromethane	J	3.00	ug/L	R	J	1.00	ug/L	R
Bromoform	U	10.00	ug/L	R	U	10.00	ug/L	R
Bromomethane	U	10.00	ug/L	R	U	10.00	ug/L	R
Carbon Tetrachloride	J	2.00	ug/L	R	J	2.00	ug/L	R
Carbon disulfide	J	4.00	ug/L	R	J	3.00	ug/L	R
Chlorobenzene	J	5.00	ug/L	R	J	4.00	ug/L	R
Chloroethane	U	10.00	ug/L	R	U	10.00	ug/L	R
Chloroform		20.00	ug/L	R	J	5.00	ug/L	R
Chloromethane	U	10.00	ug/L	R	U	10.00	ug/L	R
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	R	U	10.00	ug/L	R
Ethyl ether								
Ethylbenzene	J	5.00	ug/L	R	J	4.00	ug/L	R
Methylene chloride	U	10.00	ug/L	R	U	10.00	ug/L	R
Styrene	J	4.00	ug/L	R	J	4.00	ug/L	R
Tetrachloroethene	J	6.00	ug/L	R	J	5.00	ug/L	R
Toluene	J	4.00	ug/L	R	J	3.00	ug/L	R
Trichloroethene	J	5.00	ug/L	R	J	4.00	ug/L	R
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	R	U	10.00	ug/L	R
Xylenes, Total		16.00	ug/L	R		13.00	ug/L	R
cis-1,3-Dichloropropene	J	2.00	ug/L	R	J	1.00	ug/L	R
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	R	U	10.00	ug/L	R
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

0015284

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74D-004				74D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

2123

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74D - Plant 8 West Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74D-004				74D-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

00570

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74G-004				74G-007				74G-009				74G-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone		10.00	ug/L	UJ		11.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		38.00	ug/L	J
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	J	7.00	ug/L	J
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,4,5-Trichlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74G-004				74G-007				74G-009				74G-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	R	U	10.00	ug/L	R								
3-Nitroaniline	U	25.00	ug/L	R	U	25.00	ug/L	R								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	UJ	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Di-n-butyl phthalate	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U								

001583

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74G - Plant 5 East Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				RINSATE				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74G-004				74G-007				74G-009				74G-010			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U	U	10.00	ug/L	U								
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	10.00	ug/L	U	BJ	10.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U	U	10.00	ug/L	UJ								
p-Methylphenol (Cresol)	U	10.00	ug/L	U	U	10.00	ug/L	U								
Pesticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

001589

2173

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74N-006				74N-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	J	4.00	ug/L	J	J	2.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	J	1.00	ug/L	J	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	J	2.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	J	1.00	ug/L	J
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	U				
2,4,5-Trichlorophenol	U	26.00	ug/L	U				

0052590

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74N-006				74N-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	U				
2,4-Dinitrophenol	U	26.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	U				
2-Nitroaniline	U	26.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	U				
3-Nitroaniline	U	26.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	U				
4-Nitroaniline	U	26.00	ug/L	U				
4-Nitrophenol	U	26.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	U				
Anthracene	U	11.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	U				
Carbazole	U	11.00	ug/L	U				
Chrysene	U	11.00	ug/L	U				
Di-n-butyl phthalate	U	11.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	U				
Diethyl phthalate	JB	11.00	ug/L	U				
Dimethyl phthalate	U	11.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	U				
Fluorene	U	11.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	U				
Isophorone	U	11.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	U				
Naphthalene	U	11.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	U				

001594

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74N - Building 12 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74N-006				74N-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	U				
Phenol	U	11.00	ug/L	U				
Pyrene	U	11.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74Q-006				74Q-008				74Q-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3.00	ug/L	J
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		16.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	J	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	10.00	ug/L	U								
1,2-Dichlorobenzene	U	10.00	ug/L	U								
1,3-Dichlorobenzene	U	10.00	ug/L	U								
1,4-Dichlorobenzene	U	10.00	ug/L	U								
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol	U	25.00	ug/L	U								

0615693

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74Q-006				74Q-008				74Q-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U								
2,4-Dichlorophenol	U	10.00	ug/L	U								
2,4-Dimethylphenol	U	10.00	ug/L	U								
2,4-Dinitrophenol	U	25.00	ug/L	U								
2,4-Dinitrotoluene	U	10.00	ug/L	U								
2,6-Dinitrotoluene	U	10.00	ug/L	U								
2-Chloronaphthalene	U	10.00	ug/L	U								
2-Chlorophenol	U	10.00	ug/L	U								
2-Methylnaphthalene	U	10.00	ug/L	U								
2-Nitroaniline	U	25.00	ug/L	U								
2-Nitrophenol	U	10.00	ug/L	U								
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ								
3-Nitroaniline	U	25.00	ug/L	U								
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U								
4-Bromophenyl phenyl ether	U	10.00	ug/L	U								
4-Chloro-3-methylphenol	U	10.00	ug/L	U								
4-Chlorophenylphenyl ether	U	10.00	ug/L	U								
4-Nitroaniline	U	25.00	ug/L	U								
4-Nitrophenol	U	25.00	ug/L	U								
Acenaphthene	U	10.00	ug/L	U								
Acenaphthylene	U	10.00	ug/L	U								
Anthracene	U	10.00	ug/L	U								
Benzo(a)anthracene	U	10.00	ug/L	U								
Benzo(a)pyrene	U	10.00	ug/L	U								
Benzo(b)fluoranthene	U	10.00	ug/L	U								
Benzo(g,h,i)perylene	U	10.00	ug/L	U								
Benzo(k)fluoranthene	U	10.00	ug/L	U								
Butyl benzyl phthalate	U	10.00	ug/L	U								
Carbazole	U	10.00	ug/L	U								
Chrysene	U	10.00	ug/L	U								
Di-n-butyl phthalate	U	10.00	ug/L	U								
Di-n-octyl phthalate	U	10.00	ug/L	U								
Dibenzo(a,h)anthracene	U	10.00	ug/L	U								
Dibenzofuran	U	10.00	ug/L	U								
Diethyl phthalate	U	10.00	ug/L	U								
Dimethyl phthalate	U	10.00	ug/L	U								
Fluoranthene	U	10.00	ug/L	U								
Fluorene	U	10.00	ug/L	U								
Hexachlorobenzene	U	10.00	ug/L	U								
Hexachlorobutadiene	U	10.00	ug/L	U								
Hexachlorocyclopentadiene	U	10.00	ug/L	U								
Hexachloroethane	U	10.00	ug/L	U								
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U								
Isophorone	U	10.00	ug/L	U								
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U								
N-Nitrosodiphenylamine	U	10.00	ug/L	U								
Naphthalene	U	10.00	ug/L	U								
Nitrobenzene	U	10.00	ug/L	U								

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74Q - Plant 8 Old Metal Dissol
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74Q-006				74Q-008				74Q-009			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U								
Phenanthrene	U	10.00	ug/L	U								
Phenol	U	10.00	ug/L	U								
Pyrene	U	10.00	ug/L	U								
Pyridine												
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U								
bis(2-Chloroethyl)ether	U	10.00	ug/L	U								
bis(2-Chloroisopropyl) ether	U	10.00	ug/L	U								
bis(2-Ethylhexyl)phthalate	B	11.00	ug/L	U								
o-Methylphenol	U	10.00	ug/L	U								
p-Chloroaniline	U	10.00	ug/L	U								
p-Methylphenol (Cresol)	U	10.00	ug/L	U								
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

06595

2123

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74R-008				74R-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		28.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	16.00	ug/L	UJ	JB	18.00	ug/L	UJ
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	J	9.00	ug/L	J
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74R-008				74R-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	U				
2,4-Dichlorophenol	U	10.00	ug/L	U				
2,4-Dimethylphenol	U	10.00	ug/L	U				
2,4-Dinitrophenol	U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	10.00	ug/L	U				
2-Chloronaphthalene	U	10.00	ug/L	U				
2-Chlorophenol	U	10.00	ug/L	U				
2-Methylnaphthalene	U	10.00	ug/L	U				
2-Nitroaniline	U	25.00	ug/L	U				
2-Nitrophenol	U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	10.00	ug/L	U				
3-Nitroaniline	U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	10.00	ug/L	U				
4-Nitroaniline	U	25.00	ug/L	U				
4-Nitrophenol	U	25.00	ug/L	U				
Acenaphthene	U	10.00	ug/L	U				
Acenaphthylene	U	10.00	ug/L	U				
Anthracene	U	10.00	ug/L	U				
Benzo(a)anthracene	U	10.00	ug/L	U				
Benzo(a)pyrene	U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	10.00	ug/L	U				
Butyl benzyl phthalate	U	10.00	ug/L	U				
Carbazole	U	10.00	ug/L	U				
Chrysene	U	10.00	ug/L	U				
Di-n-butyl phthalate	U	10.00	ug/L	U				
Di-n-octyl phthalate	U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	10.00	ug/L	U				
Dibenzofuran	U	10.00	ug/L	U				
Diethyl phthalate	U	10.00	ug/L	U				
Dimethyl phthalate	U	10.00	ug/L	U				
Fluoranthene	U	10.00	ug/L	U				
Fluorene	U	10.00	ug/L	U				
Hexachlorobenzene	U	10.00	ug/L	U				
Hexachlorobutadiene	U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	10.00	ug/L	U				
Hexachloroethane	U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	U				
Isophorone	U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	10.00	ug/L	U				
Naphthalene	U	10.00	ug/L	U				
Nitrobenzene	U	10.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74R - Plant 8 North Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74R-008				74R-011			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	25.00	ug/L	U				
Phenanthrene	U	10.00	ug/L	U				
Phenol	U	10.00	ug/L	U				
Pyrene	U	10.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	BJ	10.00	ug/L	U				
o-Methylphenol	U	10.00	ug/L	U				
p-Chloroaniline	U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	10.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	74S-003

	LQ	RESULT	UNITS	VQ
Volatile Organics				
1,1,1-Trichloroethane				
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloro-1,2,2-Trifluo				
1,1,2-Trichloroethane				
1,1-Dichloroethane				
1,1-Dichloroethene				
1,2-Dichloroethane				
1,2-Dichloroethene (Total)				
1,2-Dichloropropane				
2-Butanone				
2-Hexanone				
4-Methyl-2-pentanone				
Acetone				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Carbon disulfide				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
Cyclohexanone				
Dibromochloromethane				
Ethyl ether				
Ethylbenzene				
Methylene chloride				
Styrene				
Tetrachloroethene				
Toluene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride				
Xylenes, Total				
cis-1,3-Dichloropropene				
m,p-Xylene				
o-Xylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene				
Semivolatile Organics				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2,2-oxybis(1-Chloropropane)				
2,4,5-Trichlorophenol				

Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	74S-003

	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol				
2,4-Dichlorophenol				
2,4-Dimethylphenol				
2,4-Dinitrophenol				
2,4-Dinitrotoluene				
2,6-Dinitrotoluene				
2-Chloronaphthalene				
2-Chlorophenol				
2-Methylnaphthalene				
2-Nitroaniline				
2-Nitrophenol				
3,3'-Dichlorobenzidine				
3-Nitroaniline				
4,6-Dinitro-2-methylphenol				
4-Bromophenyl phenyl ether				
4-Chloro-3-methylphenol				
4-Chlorophenylphenyl ether				
4-Nitroaniline				
4-Nitrophenol				
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Butyl benzyl phthalate				
Carbazole				
Chrysene				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Diethyl phthalate				
Dimethyl phthalate				
Fluoranthene				
Fluorene				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Indeno(1,2,3-cd)pyrene				
Isophorone				
N-Nitroso-di-n-propylamine				
N-Nitrosodiphenylamine				
Naphthalene				
Nitrobenzene				

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Material:	DI WATER
QA Type:	FIELD BLANK
Process Area:	1
Sample:	74S-003

	LQ	RESULT	UNITS	VQ
Pentachlorophenol				
Phenanthrene				
Phenol				
Pyrene				
Pyridine				
bis(2-Chloroethoxy)methane				
bis(2-Chloroethyl)ether				
bis(2-Chloroisopropyl) ether				
bis(2-Ethylhexyl)phthalate				
o-Methylphenol				
p-Chloroaniline				
p-Methylphenol (Cresol)				
Pesticides/PCBs				
4,4'-DDD	U	0.100	ug/L	UJ
4,4'-DDE	U	0.100	ug/L	UJ
4,4'-DDT	U	0.100	ug/L	U
Aldrin	U	0.051	ug/L	U
Aroclor-1016	U	1.000	ug/L	U
Aroclor-1221	U	2.000	ug/L	U
Aroclor-1232	U	1.000	ug/L	U
Aroclor-1242	U	1.000	ug/L	U
Aroclor-1248	U	1.000	ug/L	U
Aroclor-1254	U	1.000	ug/L	U
Aroclor-1260	U	1.000	ug/L	U
Chlordane				
Dieldrin	U	0.100	ug/L	U
Endosulfan II	U	0.100	ug/L	U
Endosulfan sulfate	U	0.100	ug/L	U
Endosulfan-I	U	0.051	ug/L	U
Endrin	U	0.100	ug/L	U
Endrin aldehyde	U	0.100	ug/L	U
Endrin ketone	U	0.100	ug/L	U
Heptachlor	U	0.051	ug/L	U
Heptachlor epoxide	U	0.051	ug/L	U
Methoxychlor	U	0.510	ug/L	U
Toxaphene	U	5.100	ug/L	U
alpha-BHC	U	0.051	ug/L	U
alpha-Chlordane	U	0.051	ug/L	U
beta-BHC	U	0.051	ug/L	UJ
delta-BHC	U	0.051	ug/L	U
gamma-BHC (Lindane)	U	0.051	ug/L	U
gamma-Chlordane	U	0.051	ug/L	U

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74T-006				74T-008				74T-014				74T-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	27.00	ug/L	R	U	10.00	ug/L	R	B	21.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	1.00	ug/L	J	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	J	9.00	ug/L	J		17.00	ug/L	-		13.00	ug/L	-		16.00	ug/L	-
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	J	3.00	ug/L	J	J	5.00	ug/L	J
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
1,2-Dichlorobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
1,3-Dichlorobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
1,4-Dichlorobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				

0016562

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74T-016				74T-018				74T-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	BJ	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Chloroform		16.00	ug/L	-		16.00	ug/L	-		14.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	U	J	10.00	ug/L	U	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol												

001603

2121

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74T-006				74T-008				74T-014				74T-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,4-Dichlorophenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,4-Dimethylphenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,4-Dinitrophenol	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
2,4-Dinitrotoluene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2,6-Dinitrotoluene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2-Chloronaphthalene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2-Chlorophenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2-Methylnaphthalene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
2-Nitroaniline	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
2-Nitrophenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
3-Nitroaniline	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
4-Nitroaniline	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
4-Nitrophenol	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
Acenaphthene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Acenaphthylene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Anthracene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Benzo(a)anthracene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Benzo(a)pyrene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Benzo(b)fluoranthene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Benzo(k)fluoranthene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Butyl benzyl phthalate	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Carbazole	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Chrysene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Di-n-butyl phthalate	U	10.00	ug/L	UJ					BJ	10.00	ug/L	UJ				
Di-n-octyl phthalate	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Dibenzofuran	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Diethyl phthalate	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Dimethyl phthalate	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Fluoranthene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Fluorene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Hexachlorobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Hexachlorobutadiene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Hexachloroethane	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Isophorone	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Naphthalene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Nitrobenzene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				

00-2564

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74T-016				74T-018				74T-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol												
2,4-Dichlorophenol												
2,4-Dimethylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
2-Chloronaphthalene												
2-Chlorophenol												
2-Methylnaphthalene												
2-Nitroaniline												
2-Nitrophenol												
3,3'-Dichlorobenzidine												
3-Nitroaniline												
4,6-Dinitro-2-methylphenol												
4-Bromophenyl phenyl ether												
4-Chloro-3-methylphenol												
4-Chlorophenylphenyl ether												
4-Nitroaniline												
4-Nitrophenol												
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Butyl benzyl phthalate												
Carbazole												
Chrysene												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Diethyl phthalate												
Dimethyl phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
N-Nitroso-di-n-propylamine												
N-Nitrosodiphenylamine												
Naphthalene												
Nitrobenzene												

001605

P1-29-1269

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	74T-006				74T-008				74T-014				74T-015			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	UJ					U	25.00	ug/L	UJ				
Phenanthrene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Phenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Pyrene	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	J	10.00	ug/L	UJ					J	10.00	ug/L	UJ				
o-Methylphenol	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
p-Chloroaniline	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	10.00	ug/L	UJ					U	10.00	ug/L	UJ				
esticides/PCBs																
4,4'-DDD																
4,4'-DDE																
4,4'-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																
Chlordane																
Dieldrin																
Endosulfan II																
Endosulfan sulfate																
Endosulfan-I																
Endrin																
Endrin aldehyde																
Endrin ketone																
Heptachlor																
Heptachlor epoxide																
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																

001366

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74T - Plant 1 Storage Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	74T-016				74T-018				74T-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol												
Phenanthrene												
Phenol												
Pyrene												
Pyridine												
bis(2-Chloroethoxy)methane												
bis(2-Chloroethyl)ether												
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate												
o-Methylphenol												
p-Chloroaniline												
p-Methylphenol (Cresol)												
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74W-006				74W-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		14.00	ug/L	-	U	10.00	ug/L	U
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	7.00	ug/L	J		16.00	ug/L	J
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	J	4.00	ug/L	J	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform		16.00	ug/L	-	J	4.00	ug/L	J
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	J	2.00	ug/L	J	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10:00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	12.00	ug/L	U				
1,2-Dichlorobenzene	U	12.00	ug/L	U				
1,3-Dichlorobenzene	U	12.00	ug/L	U				
1,4-Dichlorobenzene	U	12.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	12.00	ug/L	U				
2,4,5-Trichlorophenol	U	29.00	ug/L	U				

00136

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74W-006				74W-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	12.00	ug/L	U				
2,4-Dichlorophenol	U	12.00	ug/L	U				
2,4-Dimethylphenol	U	12.00	ug/L	U				
2,4-Dinitrophenol	U	29.00	ug/L	U				
2,4-Dinitrotoluene	U	12.00	ug/L	U				
2,6-Dinitrotoluene	U	12.00	ug/L	U				
2-Chloronaphthalene	U	12.00	ug/L	U				
2-Chlorophenol	U	12.00	ug/L	U				
2-Methylnaphthalene	U	12.00	ug/L	U				
2-Nitroaniline	U	29.00	ug/L	U				
2-Nitrophenol	U	12.00	ug/L	U				
3,3'-Dichlorobenzidine	U	12.00	ug/L	U				
3-Nitroaniline	U	29.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	29.00	ug/L	U				
4-Bromophenyl phenyl ether	U	12.00	ug/L	U				
4-Chloro-3-methylphenol	U	12.00	ug/L	U				
4-Chlorophenylphenyl ether	U	12.00	ug/L	U				
4-Nitroaniline	U	29.00	ug/L	U				
4-Nitrophenol	U	29.00	ug/L	U				
Acenaphthene	U	12.00	ug/L	U				
Acenaphthylene	U	12.00	ug/L	U				
Anthracene	U	12.00	ug/L	U				
Benzo(a)anthracene	U	12.00	ug/L	U				
Benzo(a)pyrene	U	12.00	ug/L	U				
Benzo(b)fluoranthene	U	12.00	ug/L	U				
Benzo(g,h,i)perylene	U	12.00	ug/L	U				
Benzo(k)fluoranthene	U	12.00	ug/L	U				
Butyl benzyl phthalate	U	12.00	ug/L	U				
Carbazole	U	12.00	ug/L	U				
Chrysene	U	12.00	ug/L	U				
Di-n-butyl phthalate	U	12.00	ug/L	U				
Di-n-octyl phthalate	U	12.00	ug/L	U				
Dibenzo(a,h)anthracene	U	12.00	ug/L	U				
Dibenzofuran	U	12.00	ug/L	U				
Diethyl phthalate	U	12.00	ug/L	U				
Dimethyl phthalate	U	12.00	ug/L	U				
Fluoranthene	U	12.00	ug/L	U				
Fluorene	U	12.00	ug/L	U				
Hexachlorobenzene	U	12.00	ug/L	U				
Hexachlorobutadiene	U	12.00	ug/L	U				
Hexachlorocyclopentadiene	U	12.00	ug/L	U				
Hexachloroethane	U	12.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	12.00	ug/L	U				
Isophorone	U	12.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	12.00	ug/L	U				
N-Nitrosodiphenylamine	U	12.00	ug/L	UJ				
Naphthalene	U	12.00	ug/L	U				
Nitrobenzene	U	12.00	ug/L	U				

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component 74W - Building 39A Pad
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	74W-006				74W-007			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	29.00	ug/L	U				
Phenanthrene	U	12.00	ug/L	U				
Phenol	U	12.00	ug/L	U				
Pyrene	U	12.00	ug/L	U				
Pyridine								
bis(2-Chloroethoxy)methane	U	12.00	ug/L	U				
bis(2-Chloroethyl)ether	U	12.00	ug/L	U				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	U	12.00	ug/L	U				
o-Methylphenol	U	12.00	ug/L	U				
p-Chloroaniline	U	12.00	ug/L	R				
p-Methylphenol (Cresol)	U	12.00	ug/L	U				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	88-002				88-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics								
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo								
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	J	5.00	ug/L	J	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone								
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether								
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane								
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene								
o-Xylene								
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics								
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ				
1,2-Dichlorobenzene	U	11.00	ug/L	UJ				
1,3-Dichlorobenzene	U	11.00	ug/L	UJ				
1,4-Dichlorobenzene	U	11.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ				

001614

001214

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	88-002				88-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ				
2,4-Dichlorophenol	U	11.00	ug/L	UJ				
2,4-Dimethylphenol	U	11.00	ug/L	UJ				
2,4-Dinitrophenol	U	26.00	ug/L	UJ				
2,4-Dinitrotoluene	U	11.00	ug/L	UJ				
2,6-Dinitrotoluene	U	11.00	ug/L	UJ				
2-Chloronaphthalene	U	11.00	ug/L	UJ				
2-Chlorophenol	U	11.00	ug/L	UJ				
2-Methylnaphthalene	U	11.00	ug/L	UJ				
2-Nitroaniline	U	26.00	ug/L	UJ				
2-Nitrophenol	U	11.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ				
3-Nitroaniline	U	26.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ				
4-Nitroaniline	U	26.00	ug/L	UJ				
4-Nitrophenol	U	26.00	ug/L	UJ				
Acenaphthene	U	11.00	ug/L	UJ				
Acenaphthylene	U	11.00	ug/L	UJ				
Anthracene	U	11.00	ug/L	UJ				
Benzo(a)anthracene	U	11.00	ug/L	UJ				
Benzo(a)pyrene	U	11.00	ug/L	UJ				
Benzo(b)fluoranthene	U	11.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ				
Benzo(k)fluoranthene	U	11.00	ug/L	UJ				
Butyl benzyl phthalate	U	11.00	ug/L	UJ				
Carbazole	U	11.00	ug/L	UJ				
Chrysene	U	11.00	ug/L	UJ				
Di-n-butyl phthalate	U	11.00	ug/L	UJ				
Di-n-octyl phthalate	U	11.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ				
Dibenzofuran	U	11.00	ug/L	UJ				
Diethyl phthalate	U	11.00	ug/L	UJ				
Dimethyl phthalate	U	11.00	ug/L	UJ				
Fluoranthene	U	11.00	ug/L	UJ				
Fluorene	U	11.00	ug/L	UJ				
Hexachlorobenzene	U	11.00	ug/L	UJ				
Hexachlorobutadiene	U	11.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ				
Hexachloroethane	U	11.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ				
Isophorone	U	11.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ				
Naphthalene	U	11.00	ug/L	UJ				
Nitrobenzene	U	11.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component 88 - Clearwell Line
Analytical Results - Organics

Material:	DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK			
Process Area:	1				1			
Sample:	88-002				88-003			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	UJ				
Phenanthrene	U	11.00	ug/L	UJ				
Phenol	U	11.00	ug/L	UJ				
Pyrene	U	11.00	ug/L	UJ				
Pyridine								
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether								
bis(2-Ethylhexyl)phthalate	J	2.00	ug/L	J				
o-Methylphenol	U	11.00	ug/L	UJ				
p-Chloroaniline	U	11.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ				
Pesticides/PCBs								
4,4'-DDD								
4,4'-DDE								
4,4'-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Chlordane								
Dieldrin								
Endosulfan II								
Endosulfan sulfate								
Endosulfan-I								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1				1			
Sample:	G02-002				G02-003				G02-005				G02-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	J	7.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
1,2-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
1,3-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
1,4-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	G02-002	G02-003	G02-005	G02-006

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,4-Dichlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,4-Dimethylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,4-Dinitrophenol	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
2,4-Dinitrotoluene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2,6-Dinitrotoluene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2-Chloronaphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2-Chlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2-Methylnaphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
2-Nitroaniline	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
2-Nitrophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	11.00	ug/L	R					U	11.00	ug/L	R				
3-Nitroaniline	U	26.00	ug/L	R					U	27.00	ug/L	R				
4,6-Dinitro-2-methylphenol	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
4-Nitroaniline	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
4-Nitrophenol	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
Acenaphthene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Acenaphthylene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Benzo(a)anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Benzo(a)pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Benzo(b)fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Benzo(k)fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Butyl benzyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Carbazole	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Chrysene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Di-n-butyl phthalate	J	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Di-n-octyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Dibenzofuran	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Diethyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Dimethyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Fluorene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Hexachlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Hexachlorobutadiene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Hexachloroethane	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Isophorone	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Naphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Nitrobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 8 - Pads, Roads, Railroads, Parking Lot
Component G2 - Roads
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1	1
Sample:	G02-002	G02-003	G02-005	G02-006

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	26.00	ug/L	UJ					U	27.00	ug/L	UJ				
Phenanthrene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Phenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	BJ	11.00	ug/L	UJ					BJ	11.00	ug/L	UJ				
o-Methylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
p-Chloroaniline	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ				
Pesticides/PCBs																
4,4'-DDD	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
4,4'-DDE	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
4,4'-DDT	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Aldrin	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
Aroclor-1016	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Aroclor-1221	U	2.200	ug/L	UJ					U	2.100	ug/L	UJ				
Aroclor-1232	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Aroclor-1242	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Aroclor-1248	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Aroclor-1254	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Aroclor-1260	U	1.100	ug/L	UJ					U	1.100	ug/L	UJ				
Chlordane																
Dieldrin	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Endosulfan II	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Endosulfan sulfate	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Endosulfan-I	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
Endrin	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Endrin aldehyde	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Endrin ketone	U	0.110	ug/L	UJ					U	0.110	ug/L	UJ				
Heptachlor	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
Heptachlor epoxide	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
Methoxychlor	U	0.540	ug/L	UJ					U	0.530	ug/L	UJ				
Toxaphene	U	5.400	ug/L	UJ					U	5.300	ug/L	UJ				
alpha-BHC	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
alpha-Chlordane	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
beta-BHC	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
delta-BHC	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
gamma-BHC (Lindane)	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				
gamma-Chlordane	U	0.054	ug/L	UJ					U	0.053	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER
QA Type:	RINSATE	FIELD BLANK	TRIP BLANK
Process Area:	1	1	1
Sample:	G3-003	G3-004	G3-005

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone		44.00	ug/L	J		23.00	ug/L	J	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
1,2-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
1,3-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
1,4-Dichlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,4,5-Trichlorophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	G3-003				G3-004				G3-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,4-Dichlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,4-Dimethylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,4-Dinitrophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
2,4-Dinitrotoluene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2,6-Dinitrotoluene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2-Chloronaphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2-Chlorophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2-Methylnaphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
2-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
2-Nitrophenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
3-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
4-Nitroaniline	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
4-Nitrophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
Acenaphthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Acenaphthylene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Benzo(a)anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Benzo(a)pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Benzo(b)fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Benzo(k)fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Butyl benzyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Carbazole	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Chrysene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Di-n-butyl phthalate	J	2.00	ug/L	J	U	11.00	ug/L	UJ				
Di-n-octyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Dibenzofuran	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Diethyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Dimethyl phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Fluoranthene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Fluorene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Hexachlorobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Hexachlorobutadiene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Hexachloroethane	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Isophorone	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Naphthalene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Nitrobenzene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 10 - Belowground Piping, Utilities, Equipment
Component G3 - Storm Sewer System
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	RINSATE				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				1			
Sample:	G3-003				G3-004				G3-005			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	UJ	U	27.00	ug/L	UJ				
Phenanthrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Phenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Pyrene	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Pyridine												
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
o-Methylphenol	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
p-Chloroaniline	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ	U	11.00	ug/L	UJ				
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	G13-002				G13-003				G13-005				G13-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U								
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	D	58.00	ug/L	-		10.00	ug/L	J		24.00	ug/L	R	U	10.00	ug/L	R
2-Hexanone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
4-Methyl-2-pentanone	U	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	B	13.00	ug/L	R	U	10.00	ug/L	R		43.00	ug/L	R		10.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	BJ	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	BJ	10.00	ug/L	U	U	10.00	ug/L	U	J	1.00	ug/L	J	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene									U	10.00	ug/L	U	U	10.00	ug/L	U
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
1,2-Dichlorobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
1,3-Dichlorobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
1,4-Dichlorobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2,4,5-Trichlorophenol	U	27.00	ug/L	UJ					U	25.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				RINSATE				FIELD BLANK			
Process Area:	2				2				5				4			
Sample:	G13-008				G13-009				G13-012				G13-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone		200.00	ug/L	J	J	5.00	ug/L	J	U	10.00	ug/L	U		71.00	ug/L	-
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Acetone	BJ	10.00	ug/L	R	BJ	10.00	ug/L	R	U	10.00	ug/L	R	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	J	2.00	ug/L	J
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	B	11.00	ug/L	UJ	B	11.00	ug/L	UJ	BJ	10.00	ug/L	U	BJ	10.00	ug/L	U
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	J	1.00	ug/L	J	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
1,2-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
1,3-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
1,4-Dichlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,2-oxybis(1-Chloropropane)	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,4,5-Trichlorophenol	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U

0 1 2 3

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	5				1				6				6			
Sample:	G13-014				G13-016				G13-017				G13-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,1-Dichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloroethene (Total)	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
1,2-Dichloropropane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
2-Butanone	U	10.00	ug/L	U		45.00	ug/L	J	J	7.00	ug/L	J		42.00	ug/L	-
2-Hexanone	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
4-Methyl-2-pentanone	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Acetone	B	13.00	ug/L	R	U	10.00	ug/L	R	B	24.00	ug/L	R	B	12.00	ug/L	R
Benzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromodichloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromoform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Bromomethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Carbon disulfide	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chlorobenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloroethane	U	10.00	ug/L	U	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	U
Chloroform	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Chloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Methylene chloride	U	10.00	ug/L	U	J	2.00	ug/L	J	U	10.00	ug/L	U	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Toluene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichloroethene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Xylenes, Total	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
cis-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U	U	10.00	ug/L	U
Semivolatile Organics																
1,2,4-Trichlorobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
1,2-Dichlorobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
1,3-Dichlorobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
1,4-Dichlorobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,2-oxybis(1-Chloropropane)					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,4,5-Trichlorophenol					U	27.00	ug/L	U					U	28.00	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	8	8	10	10
Sample:	G13-021	G13-021S	G13-026	G13-033

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics																
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo																
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		17.00	ug/L	J
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	B	10.00	ug/L	R	U	10.00	ug/L	UJ	U	10.00	ug/L	R		11.00	ug/L	J
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ		13.00	ug/L	J
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone																
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether																
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane																
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene																
o-Xylene																
trans-1,2-Dichloroethene																
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics																
1,2,4-Trichlorobenzene									U	10.00	ug/L	UJ				
1,2-Dichlorobenzene									U	10.00	ug/L	UJ				
1,3-Dichlorobenzene									U	10.00	ug/L	UJ				
1,4-Dichlorobenzene									U	10.00	ug/L	UJ				
2,2-oxybis(1-Chloropropane)									U	10.00	ug/L	UJ				
2,4,5-Trichlorophenol									U	25.00	ug/L	UJ				

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	10				10				10			
Sample:	G13-034				G13-035				G13-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Volatile Organics												
1,1,1-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2,2-Tetrachloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1,2-Trichloro-1,2,2-Trifluo												
1,1,2-Trichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,1-Dichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloroethene (Total)	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
1,2-Dichloropropane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Butanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
2-Hexanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
4-Methyl-2-pentanone	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Acetone	U	10.00	ug/L	R	J	3.00	ug/L	J	U	10.00	ug/L	R
Benzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromodichloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromoform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Bromomethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon Tetrachloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Carbon disulfide	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chlorobenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloroform	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Chloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Cyclohexanone												
Dibromochloromethane	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Ethyl ether												
Ethylbenzene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Methylene chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Styrene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Tetrachloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Toluene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichloroethene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Trichlorofluoromethane												
Vinyl chloride	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Xylenes, Total	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
cis-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
m,p-Xylene												
o-Xylene												
trans-1,2-Dichloroethene												
trans-1,3-Dichloropropene	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ	U	10.00	ug/L	UJ
Semivolatile Organics												
1,2,4-Trichlorobenzene												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,2-oxybis(1-Chloropropane)												
2,4,5-Trichlorophenol												

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	G13-002				G13-003				G13-005				G13-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2,4-Dichlorophenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2,4-Dimethylphenol	U	11.00	ug/L	UJ												
2,4-Dinitrophenol	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
2,4-Dinitrotoluene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2,6-Dinitrotoluene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2-Chloronaphthalene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2-Chlorophenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2-Methylnaphthalene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
2-Nitroaniline	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
2-Nitrophenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
3-Nitroaniline	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
4,6-Dinitro-2-methylphenol	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
4-Nitroaniline	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
4-Nitrophenol	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
Acenaphthene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Acenaphthylene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Anthracene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Benzo(a)anthracene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Benzo(a)pyrene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Benzo(b)fluoranthene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Benzo(k)fluoranthene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Butyl benzyl phthalate	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Carbazole	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Chrysene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Di-n-butyl phthalate	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Di-n-octyl phthalate	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Dibenzofuran	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Diethyl phthalate	U	11.00	ug/L	UJ												
Dimethyl phthalate	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Fluoranthene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Fluorene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Hexachlorobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Hexachlorobutadiene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Hexachloroethane	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Isophorone	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Naphthalene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Nitrobenzene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				RINSATE				FIELD BLANK			
Process Area:	2				2				5				4			
Sample:	G13-008				G13-009				G13-012				G13-013			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,4-Dichlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,4-Dimethylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,4-Dinitrophenol	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
2,4-Dinitrotoluene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2,6-Dinitrotoluene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2-Chloronaphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2-Chlorophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
2-Methylnaphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
2-Nitroaniline	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
2-Nitrophenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
3,3'-Dichlorobenzidine	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ	U	11.00	ug/L	UJ
3-Nitroaniline	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
4,6-Dinitro-2-methylphenol	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
4-Bromophenyl phenyl ether	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
4-Chloro-3-methylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
4-Chlorophenylphenyl ether	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
4-Nitroaniline	U	28.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
4-Nitrophenol	U	27.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
Acenaphthene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Acenaphthylene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(a)pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(b)fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(g,h,i)perylene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Benzo(k)fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Butyl benzyl phthalate	U	11.00	ug/L	UJ					J	2.00	ug/L	J	J	2.00	ug/L	J
Carbazole	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Chrysene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Di-n-butyl phthalate	J	6.00	ug/L	J					BJ	11.00	ug/L	U	BJ	11.00	ug/L	U
Di-n-octyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Dibenzo(a,h)anthracene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Dibenzofuran	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Diethyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Dimethyl phthalate	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Fluoranthene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Fluorene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorobutadiene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachlorocyclopentadiene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Hexachloroethane	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Indeno(1,2,3-cd)pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Isophorone	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
N-Nitroso-di-n-propylamine	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
N-Nitrosodiphenylamine	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Naphthalene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Nitrobenzene	U	11.00	ug/L	UJ					U	11.00	ug/L	UJ	U	11.00	ug/L	UJ

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	FIELD BLANK	TRIP BLANK	FIELD BLANK
Process Area:	5	1	6	6
Sample:	G13-014	G13-016	G13-017	G13-020

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,4-Dichlorophenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,4-Dimethylphenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,4-Dinitrophenol					U	27.00	ug/L	U					U	28.00	ug/L	UJ
2,4-Dinitrotoluene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2,6-Dinitrotoluene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2-Chloronaphthalene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2-Chlorophenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2-Methylnaphthalene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
2-Nitroaniline					U	27.00	ug/L	U					U	28.00	ug/L	UJ
2-Nitrophenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
3,3'-Dichlorobenzidine					U	11.00	ug/L	U					U	11.00	ug/L	UJ
3-Nitroaniline					U	27.00	ug/L	U					U	28.00	ug/L	UJ
4,6-Dinitro-2-methylphenol					U	27.00	ug/L	U					U	28.00	ug/L	UJ
4-Bromophenyl phenyl ether					U	11.00	ug/L	U					U	11.00	ug/L	UJ
4-Chloro-3-methylphenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
4-Chlorophenylphenyl ether					U	11.00	ug/L	U					U	11.00	ug/L	UJ
4-Nitroaniline					U	27.00	ug/L	U					U	28.00	ug/L	UJ
4-Nitrophenol					U	27.00	ug/L	U					U	28.00	ug/L	UJ
Acenaphthene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Acenaphthylene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Anthracene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Benzo(a)anthracene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Benzo(a)pyrene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Benzo(b)fluoranthene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Benzo(g,h,i)perylene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Benzo(k)fluoranthene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Butyl benzyl phthalate					J	3.00	ug/L	J					U	11.00	ug/L	UJ
Carbazole					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Chrysene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Di-n-butyl phthalate					J	2.00	ug/L	J					J	1.00	ug/L	J
Di-n-octyl phthalate					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Dibenzo(a,h)anthracene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Dibenzofuran					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Diethyl phthalate					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Dimethyl phthalate					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Fluoranthene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Fluorene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Hexachlorobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Hexachlorobutadiene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Hexachlorocyclopentadiene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Hexachloroethane					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Indeno(1,2,3-cd)pyrene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Isophorone					U	11.00	ug/L	U					U	11.00	ug/L	UJ
N-Nitroso-di-n-propylamine					U	11.00	ug/L	U					U	11.00	ug/L	UJ
N-Nitrosodiphenylamine					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Naphthalene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Nitrobenzene					U	11.00	ug/L	U					U	11.00	ug/L	UJ

227700

227823

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	TRIP BLANK	TRIP BLANK	FIELD BLANK	TRIP BLANK
Process Area:	8	8	10	10
Sample:	G13-021	G13-021S	G13-026	G13-033

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol									U	10.00	ug/L	UJ				
2,4-Dichlorophenol									U	10.00	ug/L	UJ				
2,4-Dimethylphenol									U	10.00	ug/L	UJ				
2,4-Dinitrophenol									U	25.00	ug/L	UJ				
2,4-Dinitrotoluene									U	10.00	ug/L	UJ				
2,6-Dinitrotoluene									U	10.00	ug/L	UJ				
2-Chloronaphthalene									U	10.00	ug/L	UJ				
2-Chlorophenol									U	10.00	ug/L	UJ				
2-Methylnaphthalene									U	10.00	ug/L	UJ				
2-Nitroaniline									U	25.00	ug/L	UJ				
2-Nitrophenol									U	10.00	ug/L	UJ				
3,3'-Dichlorobenzidine									U	10.00	ug/L	UJ				
3-Nitroaniline									U	25.00	ug/L	UJ				
4,6-Dinitro-2-methylphenol									U	25.00	ug/L	UJ				
4-Bromophenyl phenyl ether									U	10.00	ug/L	UJ				
4-Chloro-3-methylphenol									U	10.00	ug/L	UJ				
4-Chlorophenylphenyl ether									U	10.00	ug/L	UJ				
4-Nitroaniline									U	25.00	ug/L	UJ				
4-Nitrophenol									U	25.00	ug/L	UJ				
Acenaphthene									U	10.00	ug/L	UJ				
Acenaphthylene									U	10.00	ug/L	UJ				
Anthracene									U	10.00	ug/L	UJ				
Benzo(a)anthracene									U	10.00	ug/L	UJ				
Benzo(a)pyrene									U	10.00	ug/L	UJ				
Benzo(b)fluoranthene									U	10.00	ug/L	UJ				
Benzo(g,h,i)perylene									U	10.00	ug/L	UJ				
Benzo(k)fluoranthene									U	10.00	ug/L	UJ				
Butyl benzyl phthalate									U	10.00	ug/L	UJ				
Carbazole									U	10.00	ug/L	UJ				
Chrysene									U	10.00	ug/L	UJ				
Di-n-butyl phthalate									U	10.00	ug/L	UJ				
Di-n-octyl phthalate									U	10.00	ug/L	UJ				
Dibenzo(a,h)anthracene									U	10.00	ug/L	UJ				
Dibenzofuran									U	10.00	ug/L	UJ				
Diethyl phthalate									U	10.00	ug/L	UJ				
Dimethyl phthalate									U	10.00	ug/L	UJ				
Fluoranthene									U	10.00	ug/L	UJ				
Fluorene									U	10.00	ug/L	UJ				
Hexachlorobenzene									U	10.00	ug/L	UJ				
Hexachlorobutadiene									U	10.00	ug/L	UJ				
Hexachlorocyclopentadiene									U	10.00	ug/L	UJ				
Hexachloroethane									U	10.00	ug/L	UJ				
Indeno(1,2,3-cd)pyrene									U	10.00	ug/L	UJ				
Isophorone									U	10.00	ug/L	UJ				
N-Nitroso-di-n-propylamine									U	10.00	ug/L	UJ				
N-Nitrosodiphenylamine									U	10.00	ug/L	UJ				
Naphthalene									U	10.00	ug/L	UJ				
Nitrobenzene									U	10.00	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	10				10				10			
Sample:	G13-034				G13-035				G13-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
2,4,6-Trichlorophenol												
2,4-Dichlorophenol												
2,4-Dimethylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
2-Chloronaphthalene												
2-Chlorophenol												
2-Methylnaphthalene												
2-Nitroaniline												
2-Nitrophenol												
3,3'-Dichlorobenzidine												
3-Nitroaniline												
4,6-Dinitro-2-methylphenol												
4-Bromophenyl phenyl ether												
4-Chloro-3-methylphenol												
4-Chlorophenylphenyl ether												
4-Nitroaniline												
4-Nitrophenol												
Acenaphthene												
Acenaphthylene												
Anthracene												
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzo(k)fluoranthene												
Butyl benzyl phthalate												
Carbazole												
Chrysene												
Di-n-butyl phthalate												
Di-n-octyl phthalate												
Dibenzo(a,h)anthracene												
Dibenzofuran												
Diethyl phthalate												
Dimethyl phthalate												
Fluoranthene												
Fluorene												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
N-Nitroso-di-n-propylamine												
N-Nitrosodiphenylamine												
Naphthalene												
Nitrobenzene												

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	FIELD BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	1				1				2				2			
Sample:	G13-002				G13-003				G13-005				G13-006			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	UJ					U	25.00	ug/L	U				
Phenanthrene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Phenol	J	5.00	ug/L	J					U	10.00	ug/L	U				
Pyrene	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
o-Methylphenol	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
p-Chloroaniline	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ					U	10.00	ug/L	U				
Pesticides/PCBs																
4,4'-DDD									U	0.100	ug/L	U				
4,4'-DDE									U	0.100	ug/L	U				
4,4'-DDT									JP	0.008	ug/L	J				
Aldrin									U	0.050	ug/L	U				
Aroclor-1016	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Aroclor-1221	U	2.000	ug/L	UJ					U	2.000	ug/L	U				
Aroclor-1232	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Aroclor-1242	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Aroclor-1248	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Aroclor-1254	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Aroclor-1260	U	1.000	ug/L	UJ					U	1.000	ug/L	U				
Chlordane																
Dieldrin									U	0.100	ug/L	U				
Endosulfan II									U	0.100	ug/L	U				
Endosulfan sulfate									U	0.100	ug/L	U				
Endosulfan-I									BJP	0.050	ug/L	UJ				
Endrin									U	0.100	ug/L	U				
Endrin aldehyde									U	0.100	ug/L	U				
Endrin ketone									U	0.100	ug/L	U				
Heptachlor									U	0.050	ug/L	U				
Heptachlor epoxide									U	0.050	ug/L	U				
Methoxychlor									U	0.500	ug/L	U				
Toxaphene									U	5.000	ug/L	U				
alpha-BHC									U	0.050	ug/L	U				
alpha-Chlordane									U	0.050	ug/L	U				
beta-BHC									U	0.050	ug/L	U				
delta-BHC									U	0.050	ug/L	U				
gamma-BHC (Lindane)									U	0.050	ug/L	U				
gamma-Chlordane									U	0.050	ug/L	U				

0013630

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER	DI WATER	DI WATER	DI WATER
QA Type:	FIELD BLANK	TRIP BLANK	RINSATE	FIELD BLANK
Process Area:	2	2	5	4
Sample:	G13-008	G13-009	G13-012	G13-013

	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol	U	27.00	ug/L	UJ					U	27.00	ug/L	U	U	28.00	ug/L	U
Phenanthrene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Phenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Pyrene	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Pyridine																
bis(2-Chloroethoxy)methane	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroethyl)ether	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate	U	11.00	ug/L	UJ					BJ	11.00	ug/L	U	BJ	11.00	ug/L	U
o-Methylphenol	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
p-Chloroaniline	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
p-Methylphenol (Cresol)	U	11.00	ug/L	UJ					U	11.00	ug/L	U	U	11.00	ug/L	U
Pesticides/PCBs																
4,4'-DDD	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
4,4'-DDE	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
4,4'-DDT	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Aldrin	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
Aroclor-1016	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Aroclor-1221	U	2.400	ug/L	UJ					U	2.200	ug/L	R	U	2.100	ug/L	U
Aroclor-1232	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Aroclor-1242	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Aroclor-1248	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Aroclor-1254	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Aroclor-1260	U	1.200	ug/L	UJ					U	1.100	ug/L	R	U	1.100	ug/L	U
Chlordane																
Dieldrin	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Endosulfan II	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Endosulfan sulfate	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Endosulfan-I	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
Endrin	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Endrin aldehyde	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Endrin ketone	U	0.120	ug/L	UJ					U	0.110	ug/L	R	U	0.110	ug/L	U
Heptachlor	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
Heptachlor epoxide	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
Methoxychlor	U	0.600	ug/L	UJ					U	0.540	ug/L	R	U	0.530	ug/L	U
Toxaphene	U	6.000	ug/L	UJ					U	5.400	ug/L	R	U	5.300	ug/L	U
alpha-BHC	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
alpha-Chlordane	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
beta-BHC	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
delta-BHC	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
gamma-BHC (Lindane)	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U
gamma-Chlordane	U	0.060	ug/L	UJ					U	0.054	ug/L	R	U	0.053	ug/L	U

0016534

0012629

Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				FIELD BLANK				TRIP BLANK				FIELD BLANK			
Process Area:	5				1				6				6			
Sample:	G13-014				G13-016				G13-017				G13-020			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol					U	27.00	ug/L	U					U	28.00	ug/L	UJ
Phenanthrene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Phenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Pyrene					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Pyridine																
bis(2-Chloroethoxy)methane					U	11.00	ug/L	U					U	11.00	ug/L	UJ
bis(2-Chloroethyl)ether					U	11.00	ug/L	U					U	11.00	ug/L	UJ
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate					BJ	11.00	ug/L	U					U	11.00	ug/L	UJ
o-Methylphenol					U	11.00	ug/L	U					U	11.00	ug/L	UJ
p-Chloroaniline					U	11.00	ug/L	U					U	11.00	ug/L	UJ
p-Methylphenol (Cresol)					U	11.00	ug/L	U					U	11.00	ug/L	UJ
Pesticides/PCBs																
4,4'-DDD					U	0.110	ug/L	U					U	0.110	ug/L	U
4,4'-DDE					U	0.110	ug/L	U					U	0.110	ug/L	U
4,4'-DDT					U	0.110	ug/L	U					U	0.110	ug/L	U
Aldrin					U	0.053	ug/L	U					U	0.056	ug/L	U
Aroclor-1016					U	1.100	ug/L	U					U	1.100	ug/L	U
Aroclor-1221					U	2.100	ug/L	U					U	2.300	ug/L	U
Aroclor-1232					U	1.100	ug/L	U					U	1.100	ug/L	U
Aroclor-1242					U	1.100	ug/L	U					U	1.100	ug/L	U
Aroclor-1248					U	1.100	ug/L	U					U	1.100	ug/L	U
Aroclor-1254					U	1.100	ug/L	U					U	1.100	ug/L	U
Aroclor-1260					U	1.100	ug/L	U					U	1.100	ug/L	U
Chlordane																
Dieldrin					U	0.110	ug/L	U					U	0.110	ug/L	U
Endosulfan II					U	0.110	ug/L	U					U	0.110	ug/L	U
Endosulfan sulfate					U	0.110	ug/L	U					U	0.110	ug/L	U
Endosulfan-I					U	0.053	ug/L	U					U	0.056	ug/L	U
Endrin					U	0.110	ug/L	U					U	0.110	ug/L	U
Endrin aldehyde					U	0.110	ug/L	U					U	0.110	ug/L	U
Endrin ketone					U	0.110	ug/L	U					U	0.110	ug/L	U
Heptachlor					U	0.053	ug/L	U					U	0.056	ug/L	U
Heptachlor epoxide					U	0.053	ug/L	U					U	0.056	ug/L	U
Methoxychlor					U	0.530	ug/L	U					U	0.560	ug/L	U
Toxaphene					U	5.300	ug/L	U					U	5.600	ug/L	U
alpha-BHC					U	0.053	ug/L	U					U	0.056	ug/L	U
alpha-Chlordane					U	0.053	ug/L	U					U	0.056	ug/L	U
beta-BHC					U	0.053	ug/L	U					U	0.056	ug/L	U
delta-BHC					U	0.053	ug/L	U					U	0.056	ug/L	U
gamma-BHC (Lindane)					U	0.053	ug/L	U					U	0.056	ug/L	U
gamma-Chlordane					U	0.053	ug/L	U					U	0.056	ug/L	U

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				FIELD BLANK				TRIP BLANK			
Process Area:	8				8				10				10			
Sample:	G13-021				G13-021S				G13-026				G13-033			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol									U	25.00	ug/L	UJ				
Phenanthrene									U	10.00	ug/L	UJ				
Phenol									U	10.00	ug/L	UJ				
Pyrene									U	10.00	ug/L	UJ				
Pyridine																
bis(2-Chloroethoxy)methane									U	10.00	ug/L	UJ				
bis(2-Chloroethyl)ether									U	10.00	ug/L	UJ				
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl)phthalate									U	10.00	ug/L	UJ				
o-Methylphenol									U	10.00	ug/L	UJ				
p-Chloroaniline									U	10.00	ug/L	UJ				
p-Methylphenol (Cresol)									U	10.00	ug/L	UJ				
Pesticides/PCBs																
4,4'-DDD									U	0.100	ug/L	UJ				
4,4'-DDE									U	0.100	ug/L	UJ				
4,4'-DDT									U	0.100	ug/L	UJ				
Aldrin									U	0.050	ug/L	UJ				
Aroclor-1016									U	1.000	ug/L	UJ				
Aroclor-1221									U	2.000	ug/L	UJ				
Aroclor-1232									U	1.000	ug/L	UJ				
Aroclor-1242									U	1.000	ug/L	UJ				
Aroclor-1248									U	1.000	ug/L	UJ				
Aroclor-1254									U	1.000	ug/L	UJ				
Aroclor-1260									U	1.000	ug/L	UJ				
Chlordane																
Dieldrin									U	0.100	ug/L	UJ				
Endosulfan II									U	0.100	ug/L	UJ				
Endosulfan sulfate									U	0.100	ug/L	UJ				
Endosulfan-I									U	0.050	ug/L	UJ				
Endrin									U	0.100	ug/L	UJ				
Endrin aldehyde									U	0.100	ug/L	UJ				
Endrin ketone									U	0.100	ug/L	UJ				
Heptachlor									U	0.050	ug/L	UJ				
Heptachlor epoxide									U	0.050	ug/L	UJ				
Methoxychlor									U	0.500	ug/L	UJ				
Toxaphene									U	5.000	ug/L	UJ				
alpha-BHC									U	0.050	ug/L	UJ				
alpha-Chlordane									U	0.050	ug/L	UJ				
beta-BHC									U	0.050	ug/L	UJ				
delta-BHC									U	0.050	ug/L	UJ				
gamma-BHC (Lindane)									U	0.050	ug/L	UJ				
gamma-Chlordane									U	0.050	ug/L	UJ				

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Appendix L.4 - Field Quality Control
Category 7 - Bulk Material
Component G13 - Soil Piles
Analytical Results - Organics

Material:	DI WATER				DI WATER				DI WATER			
QA Type:	TRIP BLANK				TRIP BLANK				TRIP BLANK			
Process Area:	10				10				10			
Sample:	G13-034				G13-035				G13-036			
	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ	LQ	RESULT	UNITS	VQ
Pentachlorophenol												
Phenanthrene												
Phenol												
Pyrene												
Pyridine												
bis(2-Chloroethoxy)methane												
bis(2-Chloroethyl)ether												
bis(2-Chloroisopropyl) ether												
bis(2-Ethylhexyl)phthalate												
o-Methylphenol												
p-Chloroaniline												
p-Methylphenol (Cresol)												
Pesticides/PCBs												
4,4'-DDD												
4,4'-DDE												
4,4'-DDT												
Aldrin												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Chlordane												
Dieldrin												
Endosulfan II												
Endosulfan sulfate												
Endosulfan-I												
Endrin												
Endrin aldehyde												
Endrin ketone												
Heptachlor												
Heptachlor epoxide												
Methoxychlor												
Toxaphene												
alpha-BHC												
alpha-Chlordane												
beta-BHC												
delta-BHC												
gamma-BHC (Lindane)												
gamma-Chlordane												

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L.5

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200096819	400409	Uranium, Total	1	0	–
–	200101096	2C-006-KL	Aluminum	1	0	–
–	200101096	2C-006-KL	Antimony	1	0	–
–	200101096	2C-006-KL	Arsenic	1	0	–
–	200101096	2C-006-KL	Barium	1	0	–
–	200101096	2C-006-KL	Beryllium	1	0	–
–	200101096	2C-006-KL	Cadmium	1	0	–
–	200101096	2C-006-KL	Calcium	1	0	–
–	200101096	2C-006-KL	Chromium	1	0	–
–	200101096	2C-006-KL	Cobalt	1	0	–
–	200101096	2C-006-KL	Copper	1	0	–
–	200101096	2C-006-KL	Iron	1	0	–
–	200101096	2C-006-KL	Lead	1	0	–
–	200101096	2C-006-KL	Magnesium	1	0	–
–	200101096	2C-006-KL	Manganese	1	0	–
–	200101096	2C-006-KL	Mercury	1	0	–
–	200101096	2C-006-KL	Nickel	1	0	–
–	200101096	2C-006-KL	Potassium	1	0	–
–	200101096	2C-006-KL	Selenium	1	0	–
–	200101096	2C-006-KL	Silver	1	0	–
–	200101096	2C-006-KL	Sodium	1	0	–
–	200101096	2C-006-KL	Thallium	1	0	–
–	200101096	2C-006-KL	Vanadium	1	0	–
–	200101096	2C-006-KL	Zinc	1	0	–
–	200101096	2C-006-KL	Aluminum	1	0	–
–	200101096	2C-006-KL	Antimony	1	0	–
–	200101096	2C-006-KL	Arsenic	1	0	–
–	200101096	2C-006-KL	Barium	1	0	–
–	200101096	2C-006-KL	Beryllium	1	0	–
–	200101096	2C-006-KL	Cadmium	1	0	–
–	200101096	2C-006-KL	Calcium	1	0	–
–	200101096	2C-006-KL	Chromium	1	0	–
–	200101096	2C-006-KL	Cobalt	1	0	–
–	200101096	2C-006-KL	Copper	1	0	–
–	200101096	2C-006-KL	Iron	1	0	–
–	200101096	2C-006-KL	Lead	1	0	–
–	200101096	2C-006-KL	Magnesium	1	0	–
–	200101096	2C-006-KL	Manganese	1	0	–
–	200101096	2C-006-KL	Mercury	1	0	–
–	200101096	2C-006-KL	Nickel	1	0	–
–	200101096	2C-006-KL	Potassium	1	0	–
–	200101096	2C-006-KL	Selenium	1	0	–
–	200101096	2C-006-KL	Silver	1	0	–
–	200101096	2C-006-KL	Sodium	1	0	–
–	200101096	2C-006-KL	Thallium	1	0	–
–	200101096	2C-006-KL	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

KL Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101096	2C-006-KL	Zinc	1	0	–
–	200101099	9E-004-KL	Aluminum	1	0	–
–	200101099	9E-004-KL	Antimony	1	0	–
–	200101099	9E-004-KL	Arsenic	1	0	–
–	200101099	9E-004-KL	Barium	1	0	–
–	200101099	9E-004-KL	Beryllium	1	0	–
–	200101099	9E-004-KL	Cadmium	1	0	–
–	200101099	9E-004-KL	Calcium	1	0	–
–	200101099	9E-004-KL	Chromium	1	0	–
–	200101099	9E-004-KL	Cobalt	1	0	–
–	200101099	9E-004-KL	Copper	1	0	–
–	200101099	9E-004-KL	Iron	1	0	–
–	200101099	9E-004-KL	Lead	1	0	–
–	200101099	9E-004-KL	Magnesium	1	0	–
–	200101099	9E-004-KL	Manganese	1	0	–
–	200101099	9E-004-KL	Mercury	1	0	–
–	200101099	9E-004-KL	Nickel	1	0	–
–	200101099	9E-004-KL	Potassium	1	0	–
–	200101099	9E-004-KL	Selenium	1	0	–
–	200101099	9E-004-KL	Silver	1	0	–
–	200101099	9E-004-KL	Sodium	1	0	–
–	200101099	9E-004-KL	Thallium	1	0	–
–	200101099	9E-004-KL	Vanadium	1	0	–
–	200101099	9E-004-KL	Zinc	1	0	–
–	200101099	9E-004-KL	Aluminum	1	0	–
–	200101099	9E-004-KL	Antimony	1	0	–
–	200101099	9E-004-KL	Arsenic	1	0	–
–	200101099	9E-004-KL	Barium	1	0	–
–	200101099	9E-004-KL	Beryllium	1	0	–
–	200101099	9E-004-KL	Cadmium	1	0	–
–	200101099	9E-004-KL	Calcium	1	0	–
–	200101099	9E-004-KL	Chromium	1	0	–
–	200101099	9E-004-KL	Cobalt	1	0	–
–	200101099	9E-004-KL	Copper	1	0	–
–	200101099	9E-004-KL	Iron	1	0	–
–	200101099	9E-004-KL	Lead	1	0	–
–	200101099	9E-004-KL	Magnesium	1	0	–
–	200101099	9E-004-KL	Manganese	1	0	–
–	200101099	9E-004-KL	Mercury	1	0	–
–	200101099	9E-004-KL	Nickel	1	0	–
–	200101099	9E-004-KL	Potassium	1	0	–
–	200101099	9E-004-KL	Selenium	1	0	–
–	200101099	9E-004-KL	Silver	1	0	–
–	200101099	9E-004-KL	Sodium	1	0	–
–	200101099	9E-004-KL	Thallium	1	0	–
–	200101099	9E-004-KL	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K, Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101099	9E-004-KL	Zinc	1	0	–
–	200101100	3A-007R	Aluminum	1	0	–
–	200101100	3A-007R	Antimony	1	0	–
–	200101100	3A-007R	Arsenic	1	0	–
–	200101100	3A-007R	Barium	1	0	–
–	200101100	3A-007R	Beryllium	1	0	–
–	200101100	3A-007R	Cadmium	1	0	–
–	200101100	3A-007R	Calcium	1	0	–
–	200101100	3A-007R	Chromium	1	0	–
–	200101100	3A-007R	Cobalt	1	0	–
–	200101100	3A-007R	Copper	1	0	–
–	200101100	3A-007R	Iron	1	0	–
–	200101100	3A-007R	Lead	1	0	–
–	200101100	3A-007R	Magnesium	1	0	–
–	200101100	3A-007R	Manganese	1	0	–
–	200101100	3A-007R	Mercury	1	0	–
–	200101100	3A-007R	Nickel	1	0	–
–	200101100	3A-007R	Potassium	1	0	–
–	200101100	3A-007R	Selenium	1	0	–
–	200101100	3A-007R	Silver	1	0	–
–	200101100	3A-007R	Sodium	1	0	–
–	200101100	3A-007R	Thallium	1	0	–
–	200101100	3A-007R	Vanadium	1	0	–
–	200101100	3A-007R	Zinc	1	0	–
–	200101100	3A-007R	Aluminum	1	0	–
–	200101100	3A-007R	Antimony	1	0	–
–	200101100	3A-007R	Arsenic	1	0	–
–	200101100	3A-007R	Barium	1	0	–
–	200101100	3A-007R	Beryllium	1	0	–
–	200101100	3A-007R	Cadmium	1	0	–
–	200101100	3A-007R	Calcium	1	0	–
–	200101100	3A-007R	Chromium	1	0	–
–	200101100	3A-007R	Cobalt	1	0	–
–	200101100	3A-007R	Copper	1	0	–
–	200101100	3A-007R	Iron	1	0	–
–	200101100	3A-007R	Lead	1	0	–
–	200101100	3A-007R	Magnesium	1	0	–
–	200101100	3A-007R	Manganese	1	0	–
–	200101100	3A-007R	Mercury	1	0	–
–	200101100	3A-007R	Nickel	1	0	–
–	200101100	3A-007R	Potassium	1	0	–
–	200101100	3A-007R	Selenium	1	0	–
–	200101100	3A-007R	Silver	1	0	–
–	200101100	3A-007R	Sodium	1	0	–
–	200101100	3A-007R	Thallium	1	0	–
–	200101100	3A-007R	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101100	3A-007R	Zinc	1	0	–
–	200101101	18M-006-KL	Aluminum	1	0	–
–	200101101	18M-006-KL	Antimony	1	0	–
–	200101101	18M-006-KL	Arsenic	1	0	–
–	200101101	18M-006-KL	Barium	1	0	–
–	200101101	18M-006-KL	Beryllium	1	0	–
–	200101101	18M-006-KL	Cadmium	1	0	–
–	200101101	18M-006-KL	Calcium	1	0	–
–	200101101	18M-006-KL	Chromium	1	0	–
–	200101101	18M-006-KL	Cobalt	1	0	–
–	200101101	18M-006-KL	Copper	1	0	–
–	200101101	18M-006-KL	Iron	1	0	–
–	200101101	18M-006-KL	Lead	1	0	–
–	200101101	18M-006-KL	Magnesium	1	0	–
–	200101101	18M-006-KL	Manganese	1	0	–
–	200101101	18M-006-KL	Mercury	1	0	–
–	200101101	18M-006-KL	Nickel	1	0	–
–	200101101	18M-006-KL	Potassium	1	0	–
–	200101101	18M-006-KL	Selenium	1	0	–
–	200101101	18M-006-KL	Silver	1	0	–
–	200101101	18M-006-KL	Sodium	1	0	–
–	200101101	18M-006-KL	Thallium	1	0	–
–	200101101	18M-006-KL	Vanadium	1	0	–
–	200101101	18M-006-KL	Zinc	1	0	–
–	200101101	18M-006-KL	Aluminum	1	0	–
–	200101101	18M-006-KL	Antimony	1	0	–
–	200101101	18M-006-KL	Arsenic	1	0	–
–	200101101	18M-006-KL	Barium	1	0	–
–	200101101	18M-006-KL	Beryllium	1	0	–
–	200101101	18M-006-KL	Cadmium	1	0	–
–	200101101	18M-006-KL	Calcium	1	0	–
–	200101101	18M-006-KL	Chromium	1	0	–
–	200101101	18M-006-KL	Cobalt	1	0	–
–	200101101	18M-006-KL	Copper	1	0	–
–	200101101	18M-006-KL	Iron	1	0	–
–	200101101	18M-006-KL	Lead	1	0	–
–	200101101	18M-006-KL	Magnesium	1	0	–
–	200101101	18M-006-KL	Manganese	1	0	–
–	200101101	18M-006-KL	Mercury	1	0	–
–	200101101	18M-006-KL	Nickel	1	0	–
–	200101101	18M-006-KL	Potassium	1	0	–
–	200101101	18M-006-KL	Selenium	1	0	–
–	200101101	18M-006-KL	Silver	1	0	–
–	200101101	18M-006-KL	Sodium	1	0	–
–	200101101	18M-006-KL	Thallium	1	0	–
–	200101101	18M-006-KL	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101101	18M-006-KL	Zinc	1	0	–
–	200101102	66-016-KL	Aluminum	1	0	–
–	200101102	66-016-KL	Antimony	1	0	–
–	200101102	66-016-KL	Arsenic	1	0	–
–	200101102	66-016-KL	Barium	1	0	–
–	200101102	66-016-KL	Beryllium	1	0	–
–	200101102	66-016-KL	Cadmium	1	0	–
–	200101102	66-016-KL	Calcium	1	0	–
–	200101102	66-016-KL	Chromium	1	0	–
–	200101102	66-016-KL	Cobalt	1	0	–
–	200101102	66-016-KL	Copper	1	0	–
–	200101102	66-016-KL	Iron	1	0	–
–	200101102	66-016-KL	Lead	1	0	–
–	200101102	66-016-KL	Magnesium	1	0	–
–	200101102	66-016-KL	Manganese	1	0	–
–	200101102	66-016-KL	Mercury	1	0	–
–	200101102	66-016-KL	Nickel	1	0	–
–	200101102	66-016-KL	Potassium	1	0	–
–	200101102	66-016-KL	Selenium	1	0	–
–	200101102	66-016-KL	Silver	1	0	–
–	200101102	66-016-KL	Sodium	1	0	–
–	200101102	66-016-KL	Thallium	1	0	–
–	200101102	66-016-KL	Vanadium	1	0	–
–	200101102	66-016-KL	Zinc	1	0	–
–	200101102	66-016-KL	Aluminum	1	0	–
–	200101102	66-016-KL	Antimony	1	0	–
–	200101102	66-016-KL	Arsenic	1	0	–
–	200101102	66-016-KL	Barium	1	0	–
–	200101102	66-016-KL	Beryllium	1	0	–
–	200101102	66-016-KL	Cadmium	1	0	–
–	200101102	66-016-KL	Calcium	1	0	–
–	200101102	66-016-KL	Chromium	1	0	–
–	200101102	66-016-KL	Cobalt	1	0	–
–	200101102	66-016-KL	Copper	1	0	–
–	200101102	66-016-KL	Iron	1	0	–
–	200101102	66-016-KL	Lead	1	0	–
–	200101102	66-016-KL	Magnesium	1	0	–
–	200101102	66-016-KL	Manganese	1	0	–
–	200101102	66-016-KL	Mercury	1	0	–
–	200101102	66-016-KL	Nickel	1	0	–
–	200101102	66-016-KL	Potassium	1	0	–
–	200101102	66-016-KL	Selenium	1	0	–
–	200101102	66-016-KL	Silver	1	0	–
–	200101102	66-016-KL	Sodium	1	0	–
–	200101102	66-016-KL	Thallium	1	0	–
–	200101102	66-016-KL	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101102	66-016-KL	Zinc	1	0	–
–	200101103	9C-005-KL	Aluminum	1	0	–
–	200101103	9C-005-KL	Antimony	1	0	–
–	200101103	9C-005-KL	Arsenic	1	0	–
–	200101103	9C-005-KL	Barium	1	0	–
–	200101103	9C-005-KL	Beryllium	1	0	–
–	200101103	9C-005-KL	Cadmium	1	0	–
–	200101103	9C-005-KL	Calcium	1	0	–
–	200101103	9C-005-KL	Chromium	1	0	–
–	200101103	9C-005-KL	Cobalt	1	0	–
–	200101103	9C-005-KL	Copper	1	0	–
–	200101103	9C-005-KL	Iron	1	0	–
–	200101103	9C-005-KL	Lead	1	0	–
–	200101103	9C-005-KL	Magnesium	1	0	–
–	200101103	9C-005-KL	Manganese	1	0	–
–	200101103	9C-005-KL	Mercury	1	0	–
–	200101103	9C-005-KL	Nickel	1	0	–
–	200101103	9C-005-KL	Potassium	1	0	–
–	200101103	9C-005-KL	Selenium	1	0	–
–	200101103	9C-005-KL	Silver	1	0	–
–	200101103	9C-005-KL	Sodium	1	0	–
–	200101103	9C-005-KL	Thallium	1	0	–
–	200101103	9C-005-KL	Vanadium	1	0	–
–	200101103	9C-005-KL	Zinc	1	0	–
–	200101103	9C-005-KL	Aluminum	1	0	–
–	200101103	9C-005-KL	Antimony	1	0	–
–	200101103	9C-005-KL	Arsenic	1	0	–
–	200101103	9C-005-KL	Barium	1	0	–
–	200101103	9C-005-KL	Beryllium	1	0	–
–	200101103	9C-005-KL	Cadmium	1	0	–
–	200101103	9C-005-KL	Calcium	1	0	–
–	200101103	9C-005-KL	Chromium	1	0	–
–	200101103	9C-005-KL	Cobalt	1	0	–
–	200101103	9C-005-KL	Copper	1	0	–
–	200101103	9C-005-KL	Iron	1	0	–
–	200101103	9C-005-KL	Lead	1	0	–
–	200101103	9C-005-KL	Magnesium	1	0	–
–	200101103	9C-005-KL	Manganese	1	0	–
–	200101103	9C-005-KL	Mercury	1	0	–
–	200101103	9C-005-KL	Nickel	1	0	–
–	200101103	9C-005-KL	Potassium	1	0	–
–	200101103	9C-005-KL	Selenium	1	0	–
–	200101103	9C-005-KL	Silver	1	0	–
–	200101103	9C-005-KL	Sodium	1	0	–
–	200101103	9C-005-KL	Thallium	1	0	–
–	200101103	9C-005-KL	Vanadium	1	0	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

KL Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200101103	9C-005-KL	Zinc	1	0	–
1	200112936	1-1-B3	Uranium, Total	1	72	0.45
2	200112941	2-1-B3	Uranium, Total	1	72	0.45
3	200112942	3-1-B3	Uranium, Total	1	72	0.45
4	200112943	4-1-B3	Uranium, Total	1	72	0.45
5	200112944	5-1-B3	Uranium, Total	1	72	0.45
6	200112945	6-1-B3	Uranium, Total	1	72	0.45
7	200112946	7-1-B3	Uranium, Total	1	72	0.45
8	200112947	8-1-B3	Uranium, Total	1	72	0.45
9	200112948	9-1-B3	Uranium, Total	1	72	0.45
10	200112949	10-1-B3	Uranium, Total	1	72	0.45
11	200112950	11-1-B3	Uranium, Total	1	72	0.45
12	200112951	12-1-B3	Uranium, Total	1	72	0.45
13	200112952	13-1-B3	Uranium, Total	1	72	0.45
14	200112953	14-1-B3	Uranium, Total	1	72	NONE
1	200113388	1-2-B3	Uranium, Total	1	144	0.45
2	200113389	2-2-B3	Uranium, Total	1	144	0.45
3	200113390	3-2-B3	Uranium, Total	1	144	0.45
4	200113391	4-2-B3	Uranium, Total	1	144	0.45
5	200113392	5-2-B3	Uranium, Total	1	144	0.45
6	200113393	6-2-B3	Uranium, Total	1	144	0.45
7	200113394	7-2-B3	Uranium, Total	1	144	0.45
8	200113395	8-2-B3	Uranium, Total	1	144	0.45
9	200113396	9-2-B3	Uranium, Total	1	144	0.45
10	200113397	10-2-B3	Uranium, Total	1	144	0.45
11	200113398	11-2-B3	Uranium, Total	1	144	0.45
12	200113399	12-2-B3	Uranium, Total	1	144	0.45
13	200113400	13-2-B3	Uranium, Total	1	144	0.45
14	200113401	14-2-B3	Uranium, Total	1	144	NONE
–	200113420	400394	Uranium, Total	1	0	–
–	200113421	400395	Uranium, Total	1	0	–
–	200113422	400396	Uranium, Total	1	0	–
–	200113423	400402	Uranium, Total	1	0	–
–	200113424	400403	Uranium, Total	1	0	–
–	200113425	400404	Uranium, Total	1	0	–
1	200113623	1-3-B3	Uranium, Total	1	168	0.45
2	200113624	2-3-B3	Uranium, Total	1	168	0.45
3	200113625	3-3-B3	Uranium, Total	1	168	0.45
4	200113626	4-3-B3	Uranium, Total	1	168	0.45
5	200113627	5-3-B3	Uranium, Total	1	168	0.45
6	200113628	6-3-B3	Uranium, Total	1	168	0.45
7	200113629	7-3-B3	Uranium, Total	1	168	0.45
8	200113630	8-3-B3	Uranium, Total	1	168	0.45
9	200113631	9-3-B3	Uranium, Total	1	168	0.45
10	200113632	10-3-B3	Uranium, Total	1	168	0.45
11	200113633	11-3-B3	Uranium, Total	1	168	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
12	200113634	12-3-B3	Uranium, Total	1	168	0.45
13	200113635	13-3-B3	Uranium, Total	1	168	0.45
14	200113636	14-3-B3	Uranium, Total	1	168	NONE
1	200113779	1-4-B3	Uranium, Total	1	240	0.45
2	200113789	2-4-B3	Uranium, Total	1	240	0.45
3	200113791	3-4-B3	Uranium, Total	1	240	0.45
4	200113792	4-4-B3	Uranium, Total	1	240	0.45
5	200113793	5-4-B3	Uranium, Total	1	240	0.45
6	200113794	6-4-B3	Uranium, Total	1	240	0.45
7	200113795	7-4-B3	Uranium, Total	1	240	0.45
8	200113796	8-4-B3	Uranium, Total	1	240	0.45
9	200113797	9-4-B3	Uranium, Total	1	240	0.45
10	200113798	10-4-B3	Uranium, Total	1	240	0.45
11	200113799	11-4-B3	Uranium, Total	1	240	0.45
12	200113800	12-4-B3	Uranium, Total	1	240	0.45
13	200113801	13-4-B3	Uranium, Total	1	240	0.45
14	200113802	14-4-B3	Uranium, Total	1	240	NONE
1	200113933	1-5-B3	Uranium, Total	1	288	0.45
2	200113954	2-5-B3	Uranium, Total	1	288	0.45
3	200113955	3-5-B3	Uranium, Total	1	288	0.45
4	200113956	4-5-B3	Uranium, Total	1	288	0.45
5	200113957	5-5-B3	Uranium, Total	1	288	0.45
6	200113958	6-5-B3	Uranium, Total	1	288	0.45
7	200113959	7-5-B3	Uranium, Total	1	288	0.45
8	200113960	8-5-B3	Uranium, Total	1	288	0.45
9	200113961	9-5-B3	Uranium, Total	1	288	0.45
10	200113962	10-5-B3	Uranium, Total	1	288	0.45
11	200113963	11-5-B3	Uranium, Total	1	288	0.45
12	200113964	12-5-B3	Uranium, Total	1	288	0.45
13	200113965	13-5-B3	Uranium, Total	1	288	0.45
14	200113966	14-5-B3	Uranium, Total	1	288	NONE
1	200114659	1-6-B3	Uranium, Total	1	360	0.45
2	200114660	2-6-B3	Uranium, Total	1	360	0.45
3	200114661	3-6-B3	Uranium, Total	1	360	0.45
4	200114662	4-6-B3	Uranium, Total	1	360	0.45
5	200114663	5-6-B3	Uranium, Total	1	360	0.45
6	200114664	6-6-B3	Uranium, Total	1	360	0.45
7	200114665	7-6-B3	Uranium, Total	1	360	0.45
8	200114666	8-6-B3	Uranium, Total	1	360	0.45
9	200114667	9-6-B3	Uranium, Total	1	360	0.45
10	200114668	10-6-B3	Uranium, Total	1	360	0.45
11	200114669	11-6-B3	Uranium, Total	1	360	0.45
12	200114670	12-6-B3	Uranium, Total	1	360	0.45
13	200114671	13-6-B3	Uranium, Total	1	360	0.45
14	200114672	14-6-B3	Uranium, Total	1	360	NONE
1	200114985	1-7-B3	Uranium, Total	1	384	0.45

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APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
2	200114986	2-7-B3	Uranium, Total	1	384	0.45
3	200114987	3-7-B3	Uranium, Total	1	384	0.45
4	200114988	4-7-B3	Uranium, Total	1	384	0.45
5	200114989	5-7-B3	Uranium, Total	1	384	0.45
6	200114990	6-7-B3	Uranium, Total	1	384	0.45
7	200114991	7-7-B3	Uranium, Total	1	384	0.45
8	200114992	8-7-B3	Uranium, Total	1	384	0.45
9	200114993	9-7-B3	Uranium, Total	1	384	0.45
10	200114994	10-7-B3	Uranium, Total	1	384	0.45
11	200114995	11-7-B3	Uranium, Total	1	384	0.45
12	200114996	12-7-B3	Uranium, Total	1	384	0.45
13	200114997	13-7-B3	Uranium, Total	1	384	0.45
14	200114998	14-7-B3	Uranium, Total	1	384	NONE
1	200117307	1-8-B3	Uranium, Total	2	72	0.45
2	200117310	2-8-B3	Uranium, Total	2	72	0.45
3	200117311	3-8-B3	Uranium, Total	2	72	0.45
4	200117312	4-8-B3	Uranium, Total	2	72	0.45
5	200117313	5-8-B3	Uranium, Total	2	72	0.45
6	200117314	6-8-B3	Uranium, Total	2	72	0.45
7	200117315	7-8-B3	Uranium, Total	2	72	0.45
8	200117316	8-8-B3	Uranium, Total	2	72	0.45
9	200117317	9-8-B3	Uranium, Total	2	72	0.45
10	200117318	10-8-B3	Uranium, Total	2	72	0.45
11	200117319	11-8-B3	Uranium, Total	2	72	0.45
12	200117320	12-8-B3	Uranium, Total	2	72	0.45
13	200117321	13-8-B3	Uranium, Total	2	72	0.45
14	200117322	14-8-B3	Uranium, Total	2	72	NONE
1	200117624	1-9-B3	Uranium, Total	2	144	0.45
2	200117626	2-9-B3	Uranium, Total	2	144	0.45
3	200117627	3-9-B3	Uranium, Total	2	144	0.45
4	200117628	4-9-B3	Uranium, Total	2	144	0.45
5	200117629	5-9-B3	Uranium, Total	2	144	0.45
6	200117630	6-9-B3	Uranium, Total	2	144	0.45
7	200117631	7-9-B3	Uranium, Total	2	144	0.45
8	200117632	8-9-B3	Uranium, Total	2	144	0.45
9	200117633	9-9-B3	Uranium, Total	2	144	0.45
10	200117634	10-9-B3	Uranium, Total	2	144	0.45
11	200117635	11-9-B3	Uranium, Total	2	144	0.45
12	200117636	12-9-B3	Uranium, Total	2	144	0.45
13	200117637	13-9-B3	Uranium, Total	2	144	0.45
14	200117638	14-9-B3	Uranium, Total	2	144	NONE
1	200117939	1-10-B3	Uranium, Total	2	168	0.45
2	200117947	2-10-B3	Uranium, Total	2	168	0.45
3	200117948	3-10-B3	Uranium, Total	2	168	0.45
4	200117949	4-10-B3	Uranium, Total	2	168	0.45
5	200117950	5-10-B3	Uranium, Total	2	168	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
6	200117951	6-10-B3	Uranium, Total	2	168	0.45
7	200117952	7-10-B3	Uranium, Total	2	168	0.45
8	200117953	8-10-B3	Uranium, Total	2	168	0.45
9	200117954	9-10-B3	Uranium, Total	2	168	0.45
10	200117955	10-10-B3	Uranium, Total	2	168	0.45
11	200117956	11-10-B3	Uranium, Total	2	168	0.45
12	200117957	12-10-B3	Uranium, Total	2	168	0.45
13	200117958	13-10-B3	Uranium, Total	2	168	0.45
14	200117959	14-10-B3	Uranium, Total	2	168	NONE
–	200118397	14-A-B3	Uranium, Total	1	–	NONE
–	200118398	14-B-B3	Uranium, Total	1	–	NONE
–	200118399	14-C-B3	Uranium, Total	1	–	NONE
–	200118799	10-A-B3	Uranium, Total	1	–	NONE
–	200118800	10-B-B3	Uranium, Total	1	–	NONE
–	200118801	10-C-B3	Uranium, Total	1	–	NONE
1	200118855	1-11-B3	Uranium, Total	2	240	0.45
2	200118857	2-11-B3	Uranium, Total	2	240	0.45
3	200118858	3-11-B3	Uranium, Total	2	240	0.45
4	200118859	4-11-B3	Uranium, Total	2	240	0.45
5	200118860	5-11-B3	Uranium, Total	2	240	0.45
6	200118861	6-11-B3	Uranium, Total	2	240	0.45
7	200118862	7-11-B3	Uranium, Total	2	240	0.45
8	200118863	8-11-B3	Uranium, Total	2	240	0.45
9	200118864	9-11-B3	Uranium, Total	2	240	0.45
10	200118865	10-11-B3	Uranium, Total	2	240	0.45
11	200118866	11-11-B3	Uranium, Total	2	240	0.45
12	200118867	12-11-B3	Uranium, Total	2	240	0.45
13	200118868	13-11-B3	Uranium, Total	2	240	0.45
14	200118869	14-11-B3	Uranium, Total	2	240	NONE
1	200118941	1-12-B3	Uranium, Total	2	288	0.45
2	200118970	2-12-B3	Uranium, Total	2	288	0.45
3	200118971	3-12-B3	Uranium, Total	2	288	0.45
4	200118972	4-12-B3	Uranium, Total	2	288	0.45
5	200118973	5-12-B3	Uranium, Total	2	288	0.45
6	200118974	6-12-B3	Uranium, Total	2	288	0.45
7	200118975	7-12-B3	Uranium, Total	2	288	0.45
8	200118976	8-12-B3	Uranium, Total	2	288	0.45
9	200118977	9-12-B3	Uranium, Total	2	288	0.45
10	200118978	10-12-B3	Uranium, Total	2	288	0.45
11	200118979	11-12-B3	Uranium, Total	2	288	0.45
12	200118980	12-12-B3	Uranium, Total	2	288	0.45
13	200118981	13-12-B3	Uranium, Total	2	288	0.45
14	200118982	14-12-B3	Uranium, Total	2	288	NONE
1	200119746	1-13-B3	Uranium, Total	2	360	0.45
2	200119748	2-13-B3	Uranium, Total	2	360	0.45
3	200119749	3-13-B3	Uranium, Total	2	360	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
4	200119750	4-13-B3	Uranium, Total	2	360	0.45
5	200119751	5-13-B3	Uranium, Total	2	360	0.45
6	200119752	6-13-B3	Uranium, Total	2	360	0.45
7	200119753	7-13-B3	Uranium, Total	2	360	0.45
8	200119754	8-13-B3	Uranium, Total	2	360	0.45
9	200119755	9-13-B3	Uranium, Total	2	360	0.45
10	200119756	10-13-B3	Uranium, Total	2	360	0.45
11	200119757	11-13-B3	Uranium, Total	2	360	0.45
12	200119758	12-13-B3	Uranium, Total	2	360	0.45
13	200119759	13-13-B3	Uranium, Total	2	360	0.45
14	200119760	14-13-B3	Uranium, Total	2	360	NONE
1	200120021	1-14-B3	Uranium, Total	2	384	0.45
2	200120022	2-14-B3	Uranium, Total	2	384	0.45
3	200120023	3-14-B3	Uranium, Total	2	384	0.45
4	200120024	4-14-B3	Uranium, Total	2	384	0.45
5	200120025	5-14-B3	Uranium, Total	2	384	0.45
6	200120026	6-14-B3	Uranium, Total	2	384	0.45
7	200120027	7-14-B3	Uranium, Total	2	384	0.45
8	200120028	8-14-B3	Uranium, Total	2	384	0.45
9	200120029	9-14-B3	Uranium, Total	2	384	0.45
10	200120030	10-14-B3	Uranium, Total	2	384	0.45
11	200120031	11-14-B3	Uranium, Total	2	384	0.45
12	200120032	12-14-B3	Uranium, Total	2	384	0.45
13	200120033	13-14-B3	Uranium, Total	2	384	0.45
14	200120034	14-14-B3	Uranium, Total	2	384	NONE
1	200122824	1-15-B3	Uranium, Total	1	384	NONE
2	200122825	2-15-B3	Uranium, Total	1	384	NONE
3	200122826	3-15-B3	Uranium, Total	1	384	NONE
4	200122827	4-15-B3	Uranium, Total	1	384	NONE
5	200122828	5-15-B3	Uranium, Total	1	384	NONE
6	200122829	6-15-B3	Uranium, Total	1	384	NONE
7	200122830	7-15-B3	Uranium, Total	1	384	NONE
8	200122831	8-15-B3	Uranium, Total	1	384	NONE
9	200122832	9-15-B3	Uranium, Total	1	384	NONE
10	200122833	10-15-B3	Uranium, Total	1	384	NONE
11	200122834	11-15-B3	Uranium, Total	1	384	NONE
12	200122835	12-15-B3	Uranium, Total	1	384	NONE
1	200122836	1-16-B3	Uranium, Total	2	384	NONE
2	200122837	2-16-B3	Uranium, Total	2	384	NONE
3	200122838	3-16-B3	Uranium, Total	2	384	NONE
4	200122839	4-16-B3	Uranium, Total	2	384	NONE
5	200122840	5-16-B3	Uranium, Total	2	384	NONE
6	200122841	6-16-B3	Uranium, Total	2	384	NONE
7	200122842	7-16-B3	Uranium, Total	2	384	NONE
8	200122843	8-16-B3	Uranium, Total	2	384	NONE
9	200122844	9-16-B3	Uranium, Total	2	384	NONE

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
10	200122845	10-16-B3	Uranium, Total	2	384	NONE
11	200122846	11-16-B3	Uranium, Total	2	384	NONE
12	200122847	12-16-B3	Uranium, Total	2	384	NONE
–	200123433	400410	Uranium, Total	1	384	–
–	200123439	400410	Technetium-99	1	384	–
–	200123440	400410	Uranium-234	1	384	–
–	200123440	400410	Uranium-235	1	384	–
–	200123440	400410	Uranium-236	1	384	–
–	200123440	400410	Uranium-238	1	384	–
–	200123581	19-1-B3	Aluminum	2	384	–
–	200123581	19-1-B3	Antimony	2	384	–
–	200123581	19-1-B3	Arsenic	2	384	–
–	200123581	19-1-B3	Barium	2	384	–
–	200123581	19-1-B3	Beryllium	2	384	–
–	200123581	19-1-B3	Cadmium	2	384	–
–	200123581	19-1-B3	Calcium	2	384	–
–	200123581	19-1-B3	Chromium	2	384	–
–	200123581	19-1-B3	Cobalt	2	384	–
–	200123581	19-1-B3	Copper	2	384	–
–	200123581	19-1-B3	Iron	2	384	–
–	200123581	19-1-B3	Lead	2	384	–
–	200123581	19-1-B3	Magnesium	2	384	–
–	200123581	19-1-B3	Manganese	2	384	–
–	200123581	19-1-B3	Mercury	2	384	–
–	200123581	19-1-B3	Molybdenum	2	384	–
–	200123581	19-1-B3	Nickel	2	384	–
–	200123581	19-1-B3	Potassium	2	384	–
–	200123581	19-1-B3	Selenium	2	384	–
–	200123581	19-1-B3	Silicon	2	384	–
–	200123581	19-1-B3	Silver	2	384	–
–	200123581	19-1-B3	Sodium	2	384	–
–	200123581	19-1-B3	Thallium	2	384	–
–	200123581	19-1-B3	Vanadium	2	384	–
–	200123581	19-1-B3	Zinc	2	384	–
–	200123591	19-7-B3	Aluminum	2	384	–
–	200123591	19-7-B3	Antimony	2	384	–
–	200123591	19-7-B3	Arsenic	2	384	–
–	200123591	19-7-B3	Barium	2	384	–
–	200123591	19-7-B3	Beryllium	2	384	–
–	200123591	19-7-B3	Cadmium	2	384	–
–	200123591	19-7-B3	Calcium	2	384	–
–	200123591	19-7-B3	Chromium	2	384	–
–	200123591	19-7-B3	Cobalt	2	384	–
–	200123591	19-7-B3	Copper	2	384	–
–	200123591	19-7-B3	Iron	2	384	–
–	200123591	19-7-B3	Lead	2	384	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200123591	19-7-B3	Magnesium	2	384	–
–	200123591	19-7-B3	Manganese	2	384	–
–	200123591	19-7-B3	Mercury	2	384	–
–	200123591	19-7-B3	Molybdenum	2	384	–
–	200123591	19-7-B3	Nickel	2	384	–
–	200123591	19-7-B3	Potassium	2	384	–
–	200123591	19-7-B3	Selenium	2	384	–
–	200123591	19-7-B3	Silicon	2	384	–
–	200123591	19-7-B3	Silver	2	384	–
–	200123591	19-7-B3	Sodium	2	384	–
–	200123591	19-7-B3	Thallium	2	384	–
–	200123591	19-7-B3	Vanadium	2	384	–
–	200123591	19-7-B3	Zinc	2	384	–
–	200123592	19-13-B3	Aluminum	2	384	–
–	200123592	19-13-B3	Antimony	2	384	–
–	200123592	19-13-B3	Arsenic	2	384	–
–	200123592	19-13-B3	Barium	2	384	–
–	200123592	19-13-B3	Beryllium	2	384	–
–	200123592	19-13-B3	Cadmium	2	384	–
–	200123592	19-13-B3	Calcium	2	384	–
–	200123592	19-13-B3	Chromium	2	384	–
–	200123592	19-13-B3	Cobalt	2	384	–
–	200123592	19-13-B3	Copper	2	384	–
–	200123592	19-13-B3	Iron	2	384	–
–	200123592	19-13-B3	Lead	2	384	–
–	200123592	19-13-B3	Magnesium	2	384	–
–	200123592	19-13-B3	Manganese	2	384	–
–	200123592	19-13-B3	Mercury	2	384	–
–	200123592	19-13-B3	Molybdenum	2	384	–
–	200123592	19-13-B3	Nickel	2	384	–
–	200123592	19-13-B3	Potassium	2	384	–
–	200123592	19-13-B3	Selenium	2	384	–
–	200123592	19-13-B3	Silicon	2	384	–
–	200123592	19-13-B3	Silver	2	384	–
–	200123592	19-13-B3	Sodium	2	384	–
–	200123592	19-13-B3	Thallium	2	384	–
–	200123592	19-13-B3	Vanadium	2	384	–
–	200123592	19-13-B3	Zinc	2	384	–
–	200123599	19-6-B3	Phosphate	2	384	–
–	200123600	19-12-B3	Phosphate	2	384	–
–	200123601	19-18-B3	Phosphate	2	384	–
–	200123603	19-2-B3	Chloride	2	384	–
–	200123603	19-2-B3	Sulfate	2	384	–
–	200123604	19-8-B3	Chloride	2	384	–
–	200123604	19-8-B3	Sulfate	2	384	–
–	200123605	19-14-B3	Chloride	2	384	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K$_d$ Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200123605	19-14-B3	Sulfate	2	384	–
–	200123613	19-3-B3	Ammonia	2	384	–
–	200123613	19-3-B3	Nitrate	2	384	–
–	200123614	19-9-B3	Ammonia	2	384	–
–	200123614	19-9-B3	Nitrate	2	384	–
–	200123615	19-15-B3	Ammonia	2	384	–
–	200123615	19-15-B3	Nitrate	2	384	–
–	200123639	19-4-B3	Total Organic Carbon	2	384	–
–	200123648	19-10-B3	Total Organic Carbon	2	384	–
–	200123649	19-16-B3	Total Organic Carbon	2	384	–
–	200123650	19-5-B3	Fluoride	2	384	–
–	200123676	19-11-B3	Fluoride	2	384	–
–	200123677	19-17-B3	Fluoride	2	384	–
6	200123761	19-24-B3	Uranium-234	2	384	–
6	200123761	19-24-B3	Uranium-235	2	384	–
6	200123761	19-24-B3	Uranium-236	2	384	–
6	200123761	19-24-B3	Uranium-238	2	384	–
7	200123762	19-25-B3	Uranium-234	2	384	–
7	200123762	19-25-B3	Uranium-235	2	384	–
7	200123762	19-25-B3	Uranium-236	2	384	–
7	200123762	19-25-B3	Uranium-238	2	384	–
8	200123763	19-26-B3	Uranium-234	2	384	–
8	200123763	19-26-B3	Uranium-235	2	384	–
8	200123763	19-26-B3	Uranium-236	2	384	–
8	200123763	19-26-B3	Uranium-238	2	384	–
9	200123764	19-27-B3	Uranium-234	2	384	–
9	200123764	19-27-B3	Uranium-235	2	384	–
9	200123764	19-27-B3	Uranium-236	2	384	–
9	200123764	19-27-B3	Uranium-238	2	384	–
10	200123765	19-28-B3	Uranium-234	2	384	–
10	200123765	19-28-B3	Uranium-235	2	384	–
10	200123765	19-28-B3	Uranium-236	2	384	–
10	200123765	19-28-B3	Uranium-238	2	384	–
11	200123766	19-29-B3	Uranium-234	2	384	–
11	200123766	19-29-B3	Uranium-235	2	384	–
11	200123766	19-29-B3	Uranium-236	2	384	–
11	200123766	19-29-B3	Uranium-238	2	384	–
12	200123767	19-30-B3	Uranium-234	2	384	–
12	200123767	19-30-B3	Uranium-235	2	384	–
12	200123767	19-30-B3	Uranium-236	2	384	–
12	200123767	19-30-B3	Uranium-238	2	384	–
5	200123772	20-17-B3	Uranium-234	2	384	–
5	200123772	20-17-B3	Uranium-235	2	384	–
5	200123772	20-17-B3	Uranium-236	2	384	–
5	200123772	20-17-B3	Uranium-238	2	384	–
6	200123773	20-18-B3	Uranium-234	2	384	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
6	200123773	20-18-B3	Uranium-235	2	384	–
6	200123773	20-18-B3	Uranium-236	2	384	–
6	200123773	20-18-B3	Uranium-238	2	384	–
7	200123774	20-19-B3	Uranium-234	2	384	–
7	200123774	20-19-B3	Uranium-235	2	384	–
7	200123774	20-19-B3	Uranium-236	2	384	–
7	200123774	20-19-B3	Uranium-238	2	384	–
8	200123775	20-20-B3	Uranium-234	2	384	–
8	200123775	20-20-B3	Uranium-235	2	384	–
8	200123775	20-20-B3	Uranium-236	2	384	–
8	200123775	20-20-B3	Uranium-238	2	384	–
9	200123776	20-21-B3	Uranium-234	2	384	–
9	200123776	20-21-B3	Uranium-235	2	384	–
9	200123776	20-21-B3	Uranium-236	2	384	–
9	200123776	20-21-B3	Uranium-238	2	384	–
10	200123777	20-22-B3	Uranium-234	2	384	–
10	200123777	20-22-B3	Uranium-235	2	384	–
10	200123777	20-22-B3	Uranium-236	2	384	–
10	200123777	20-22-B3	Uranium-238	2	384	–
12	200123779	20-24-B3	Uranium-234	2	384	–
12	200123779	20-24-B3	Uranium-235	2	384	–
12	200123779	20-24-B3	Uranium-236	2	384	–
12	200123779	20-24-B3	Uranium-238	2	384	–
1	200123781	20-1-B3	Technetium-99	1	384	NONE
2	200123782	20-2-B3	Technetium-99	1	384	NONE
3	200123783	20-3-B3	Technetium-99	1	384	NONE
4	200123784	20-4-B3	Technetium-99	1	384	NONE
5	200123785	20-5-B3	Technetium-99	1	384	NONE
6	200123786	20-6-B3	Technetium-99	1	384	NONE
7	200123787	20-7-B3	Technetium-99	1	384	NONE
8	200123788	20-8-B3	Technetium-99	1	384	NONE
9	200123789	20-9-B3	Technetium-99	1	384	NONE
10	200123790	20-10-B3	Technetium-99	1	384	NONE
11	200123791	20-11-B3	Technetium-99	1	384	NONE
12	200123792	20-12-B3	Technetium-99	1	384	NONE
1	200123793	20-25-B3	Technetium-99	2	384	NONE
2	200123794	20-26-B3	Technetium-99	2	384	NONE
3	200123795	20-27-B3	Technetium-99	2	384	NONE
4	200123796	20-28-B3	Technetium-99	2	384	NONE
5	200123797	20-29-B3	Technetium-99	2	384	NONE
6	200123798	20-30-B3	Technetium-99	2	384	NONE
7	200123799	20-31-B3	Technetium-99	2	384	NONE
8	200123800	20-32-B3	Technetium-99	2	384	NONE
9	200123801	20-33-B3	Technetium-99	2	384	NONE
10	200123802	20-34-B3	Technetium-99	2	384	NONE
11	200123823	20-35-B3	Technetium-99	2	384	NONE

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
12	200123824	20-36-B3	Technetium-99	2	384	NONE
1	200124374	20-37-B3	Uranium, Total	1	384	0.45
2	200124375	20-38-B3	Uranium, Total	1	384	0.45
3	200124376	20-39-B3	Uranium, Total	1	384	0.45
4	200124377	20-40-B3	Uranium, Total	1	384	0.45
5	200124378	20-41-B3	Uranium, Total	1	384	0.45
6	200124379	20-42-B3	Uranium, Total	1	384	0.45
7	200124380	20-43-B3	Uranium, Total	1	384	0.45
8	200124381	20-44-B3	Uranium, Total	1	384	0.45
9	200124382	20-45-B3	Uranium, Total	1	384	0.45
10	200124383	20-46-B3	Uranium, Total	1	384	0.45
11	200124384	20-47-B3	Uranium, Total	1	384	0.45
12	200124385	20-48-B3	Uranium, Total	1	384	0.45
1	200124386	20-49-B3	Uranium, Total	2	384	0.45
2	200124387	20-50-B3	Uranium, Total	2	384	0.45
3	200124388	20-51-B3	Uranium, Total	2	384	0.45
4	200124389	20-52-B3	Uranium, Total	2	384	0.45
5	200124390	20-53-B3	Uranium, Total	2	384	0.45
6	200124391	20-54-B3	Uranium, Total	2	384	0.45
7	200124392	20-55-B3	Uranium, Total	2	384	0.45
8	200124393	20-56-B3	Uranium, Total	2	384	0.45
9	200124394	20-57-B3	Uranium, Total	2	384	0.45
10	200124395	20-58-B3	Uranium, Total	2	384	0.45
11	200124396	20-59-B3	Uranium, Total	2	384	0.45
12	200124397	20-60-B3	Uranium, Total	2	384	0.45
–	200125525	400397	Uranium 234	1	0	–
–	200125525	400397	Uranium 235	1	0	–
–	200125525	400397	Uranium 236	1	0	–
–	200125525	400397	Uranium 238	1	0	–
–	200125526	400405	Uranium 234	1	0	–
–	200125526	400405	Uranium 235	1	0	–
–	200125526	400405	Uranium 236	1	0	–
–	200125526	400405	Uranium 238	1	0	–
–	200125528	400397	Technetium-99	1	0	–
–	200125529	400405	Technetium-99	1	0	–
21	200127085	21-1-B3	Uranium, Total	1	72	NONE
22	200127086	22-1-B3	Uranium, Total	1	72	0.45
23	200127087	23-1-B3	Uranium, Total	1	72	NONE
24	200127088	24-1-B3	Uranium, Total	1	72	0.45
25	200127089	25-1-B3	Uranium, Total	1	72	NONE
21	200127090	21-2-B3	Uranium, Total	1	72	0.45
22	200127091	22-2-B3	Uranium, Total	1	72	0.45
23	200127092	23-2-B3	Uranium, Total	1	72	0.45
21	200127219	21-3-B3	Uranium, Total	1	144	NONE
21	200127248	21-4-B3	Uranium, Total	1	144	0.45
22	200127249	22-3-B3	Uranium, Total	1	144	NONE

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K-25 Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
22	200127250	22-4-B3	Uranium, Total	1	144	0.45
23	200127251	23-3-B3	Uranium, Total	1	144	NONE
23	200127252	23-4-B3	Uranium, Total	1	144	0.45
24	200127253	24-2-B3	Uranium, Total	1	144	0.45
25	200127254	25-2-B3	Uranium, Total	1	144	NONE
21	200127345	21-5-B3	Uranium, Total	1	168	NONE
21	200127346	21-6-B3	Uranium, Total	1	168	0.45
22	200127347	22-5-B3	Uranium, Total	1	168	NONE
22	200127348	22-6-B3	Uranium, Total	1	168	0.45
23	200127349	23-5-B3	Uranium, Total	1	168	NONE
23	200127350	23-6-B3	Uranium, Total	1	168	0.45
24	200127351	24-3-B3	Uranium, Total	1	168	0.45
25	200127352	25-3-B3	Uranium, Total	1	168	NONE
43	200128177	8A-023A-KL	Uranium, Total	–	0	–
43	200128178	8A-023A-KL	Technetium-99	–	0	–
43	200128178	8A-023A-KL	Uranium, Total	–	0	–
32	200128180	8A-026A-KL	Uranium, Total	–	0	–
32	200128181	8A-026A-KL	Technetium-99	–	0	–
32	200128181	8A-026A-KL	Uranium, Total	–	0	–
33	200128183	8A-038A-KL	Uranium, Total	–	0	–
33	200128184	8A-038A-KL	Technetium-99	–	0	–
33	200128184	8A-038A-KL	Uranium, Total	–	0	–
34	200128186	8A-042A-KL	Uranium, Total	–	0	–
34	200128187	8A-042A-KL	Technetium-99	–	0	–
34	200128187	8A-042A-KL	Uranium, Total	–	0	–
45	200128193	8A-066A-KL	Uranium, Total	–	0	–
45	200128194	8A-066-KL	Technetium-99	–	0	–
45	200128194	8A-066-KL	Uranium, Total	–	0	–
39	200128196	9A-010-KL	Uranium, Total	–	0	–
39	200128197	9A-010-KL	Technetium-99	–	0	–
39	200128197	9A-010-KL	Uranium, Total	–	0	–
35	200128199	9B-007-KL	Uranium, Total	–	0	–
35	200128200	9B-007-KL	Technetium-99	–	0	–
35	200128200	9B-007-KL	Uranium, Total	–	0	–
48	200128202	13A-007R-KL	Uranium, Total	–	0	–
48	200128203	13A-007R-KL	Technetium-99	–	0	–
48	200128203	13A-007R-KL	Uranium, Total	–	0	–
47	200128205	54A-007-KL	Uranium, Total	–	0	–
47	200128206	54A-007-KL	Technetium-99	–	0	–
47	200128206	54A-007-KL	Uranium, Total	–	0	–
21	200128223	21-7-B3	Uranium, Total	1	288	NONE
21	200128224	21-8-B3	Uranium, Total	1	288	0.45
22	200128225	22-7-B3	Uranium, Total	1	288	NONE
22	200128226	22-8-B3	Uranium, Total	1	288	0.45
23	200128227	23-7-B3	Uranium, Total	1	288	NONE
23	200128228	23-8-B3	Uranium, Total	1	288	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
24	200128229	24-4-B3	Uranium, Total	1	288	0.45
25	200128230	25-4-B3	Uranium, Total	1	288	NONE
41	200129612	2A-025-KL	Uranium, Total	–	0	–
41	200129613	2A-025-KL	Technetium-99	–	0	–
41	200129613	2A-025-KL	Uranium, Total	–	0	–
42	200129615	2D-009-KL	Uranium, Total	–	0	–
42	200129616	2D-009-KL	Technetium-99	–	0	–
42	200129616	2D-009-KL	Uranium, Total	–	0	–
31	200129618	3E-007-KL	Uranium, Total	–	0	–
31	200129620	3E-007-KL	Technetium-99	–	0	–
31	200129620	3E-007-KL	Uranium, Total	–	0	–
40	200129622	3J-002A-KL	Uranium, Total	–	0	–
40	200129623	3J-002A-KL	Technetium-99	–	0	–
40	200129623	3J-002A-KL	Uranium, Total	–	0	–
46	200129625	4A-004A-KL	Uranium, Total	–	0	–
46	200129626	4A-004A-KL	Technetium-99	–	0	–
46	200129626	4A-004A-KL	Uranium, Total	–	0	–
37	200129628	5A-003-KL	Uranium, Total	–	0	–
37	200129629	5A-003-KL	Technetium-99	–	0	–
37	200129629	5A-003-KL	Uranium, Total	–	0	–
38	200129631	5A-045-KL	Uranium, Total	–	0	–
38	200129632	5A-045-KL	Technetium-99	–	0	–
38	200129632	5A-045-KL	Uranium, Total	–	0	–
36	200129634	6A-018-KL	Uranium, Total	–	0	–
36	200129635	6A-018-KL	Technetium-99	–	0	–
36	200129635	6A-018-KL	Uranium, Total	–	0	–
21	200130039	21-9-B3	Uranium, Total	1	360	NONE
21	200130050	21-10-B3	Uranium, Total	1	360	0.45
22	200130051	22-9-B3	Uranium, Total	1	360	NONE
22	200130052	22-10-B3	Uranium, Total	1	360	0.45
23	200130053	23-9-B3	Uranium, Total	1	360	NONE
23	200130054	23-10-B3	Uranium, Total	1	360	0.45
24	200130055	24-5-B3	Uranium, Total	1	360	0.45
25	200130056	25-5-B3	Uranium, Total	1	360	NONE
21	200130999	21-11-B3	Uranium, Total	1	456	NONE
21	200131000	21-12-B3	Uranium, Total	1	456	0.45
22	200131001	22-11-B3	Uranium, Total	1	456	NONE
22	200131002	22-12-B3	Uranium, Total	1	456	0.45
23	200131003	23-11-B3	Uranium, Total	1	456	NONE
23	200131004	23-12-B3	Uranium, Total	1	456	0.45
24	200131005	24-6-B3	Uranium, Total	1	456	0.45
25	200131006	25-6-B3	Uranium, Total	1	456	NONE
21	200131991	21-13-B3	Uranium, Total	2	72	NONE
21	200131992	21-14-B3	Uranium, Total	2	72	NONE
22	200131993	22-13-B3	Uranium, Total	2	72	NONE
22	200131994	22-14-B3	Uranium, Total	2	72	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K, Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
23	200131995	23-13-B3	Uranium, Total	2	72	NONE
23	200131996	23-14-B3	Uranium, Total	2	72	0.45
24	200131997	24-7-B3	Uranium, Total	2	72	0.45
25	200131998	25-7-B3	Uranium, Total	2	72	NONE
21	200132385	21-15-B3	Uranium, Total	2	144	NONE
21	200132386	21-16-B3	Uranium, Total	2	144	0.45
22	200132387	22-15-B3	Uranium, Total	2	144	NONE
22	200132388	22-16-B3	Uranium, Total	2	144	0.45
23	200132389	23-15-B3	Uranium, Total	2	144	NONE
23	200132390	23-16-B3	Uranium, Total	2	144	0.45
24	200132391	24-8-B3	Uranium, Total	2	144	0.45
25	200132392	25-8-B3	Uranium, Total	2	144	NONE
21	200132760	21-17-B3	Uranium, Total	2	168	NONE
21	200132782	21-18-B3	Uranium, Total	2	168	0.45
22	200132784	22-17-B3	Uranium, Total	2	168	NONE
22	200132785	22-18-B3	Uranium, Total	2	168	0.45
23	200132786	23-17-B3	Uranium, Total	2	168	NONE
23	200132787	23-18-B3	Uranium, Total	2	168	0.45
24	200132788	24-9-B3	Uranium, Total	2	168	0.45
25	200132789	25-9-B3	Uranium, Total	2	168	NONE
21	200134075	21-19-B3	Uranium, Total	2	288	NONE
21	200134076	21-20-B3	Uranium, Total	2	288	0.45
22	200134077	22-19-B3	Uranium, Total	2	288	NONE
22	200134078	22-20-B3	Uranium, Total	2	288	0.45
23	200134079	23-19-B3	Uranium, Total	2	288	NONE
23	200134080	23-20-B3	Uranium, Total	2	288	0.45
24	200134081	24-10-B3	Uranium, Total	2	288	0.45
25	200134082	25-10-B3	Uranium, Total	2	288	NONE
21	200134330	21-21-B3	Uranium, Total	2	360	NONE
21	200134331	21-22-B3	Uranium, Total	2	360	0.45
22	200134532	22-21-B3	Uranium, Total	2	360	NONE
22	200134533	22-22-B3	Uranium, Total	2	360	0.45
23	200134534	23-21-B3	Uranium, Total	2	360	NONE
23	200134535	23-22-B3	Uranium, Total	2	360	0.45
24	200134536	24-11-B3	Uranium, Total	2	360	0.45
25	200134537	25-11-B3	Uranium, Total	2	360	NONE
21	200135204	21-23-B3	Uranium, Total	2	408	NONE
21	200135218	21-24-B3	Uranium, Total	2	408	0.45
22	200135219	22-23-B3	Uranium, Total	2	408	NONE
22	200135220	22-24-B3	Uranium, Total	2	408	0.45
23	200135221	23-23-B3	Uranium, Total	2	408	NONE
23	200135222	23-24-B3	Uranium, Total	2	408	0.45
24	200135223	24-12-B3	Uranium, Total	2	408	0.45
25	200135224	25-12-B3	Uranium, Total	2	408	NONE
23	200136395	23-25-B3	Uranium, Total	2	528	NONE
23	200136398	23-26-B3	Uranium, Total	2	528	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

KL Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
25	200136399	25-13-B3	Uranium, Total	2	528	NONE
49	200136635	8A-026A-KLD	Technetium-99	–	0	–
49	200136635	8A-026A-KLD	Uranium, Total	–	0	–
49	200136639	8A-026A-KLD	Uranium, Total	–	0	–
23	200137742	23-27-B3	Uranium, Total	2	648	NONE
23	200137743	23-28-B3	Uranium, Total	2	648	0.45
25	200137744	25-14-B3	Uranium, Total	2	648	NONE
23	200138966	23-29-B3	Uranium, Total	2	720	NONE
23	200138969	23-30-B3	Uranium, Total	2	720	0.45
25	200138970	25-15-B3	Uranium, Total	2	864	NONE
41	200139244	2A-025-KLD	Technetium-99	–	0	–
41	200139244	2A-025-KLD	Uranium, Total	–	0	–
44	200139451	8A-040-KL	Uranium, Total	–	0	–
23	200139676	23-31-B3	Uranium, Total	2	864	NONE
23	200139677	23-32-B3	Uranium, Total	2	864	0.45
25	200139678	25-16-B3	Uranium, Total	2	864	NONE
31	200140266	31-1-B3	Uranium, Total	1	24	None
31	200140276	31-2-B3	Uranium, Total	1	24	0.45
32	200140277	32-1-B3	Uranium, Total	1	24	None
32	200140278	32-2-B3	Uranium, Total	1	24	0.45
33	200140279	33-1-B3	Uranium, Total	1	24	None
33	200140280	33-2-B3	Uranium, Total	1	24	0.45
34	200140281	34-1-B3	Uranium, Total	1	24	None
34	200140282	34-2-B3	Uranium, Total	1	24	0.45
35	200140283	35-1-B3	Uranium, Total	1	24	None
35	200140284	35-2-B3	Uranium, Total	1	24	0.45
36	200140285	36-1-B3	Uranium, Total	1	24	None
36	200140286	36-2-B3	Uranium, Total	1	24	0.45
37	200140287	37-1-B3	Uranium, Total	1	24	None
37	200140288	37-2-B3	Uranium, Total	1	24	0.45
38	200140289	38-1-B3	Uranium, Total	1	24	None
38	200140290	38-2-B3	Uranium, Total	1	24	0.45
39	200140291	39-1-B3	Uranium, Total	1	24	None
39	200140292	39-2-B3	Uranium, Total	1	24	0.45
40	200140293	40-1-B3	Uranium, Total	1	24	None
40	200140294	40-2-B3	Uranium, Total	1	24	0.45
41	200140295	41-1-B3	Uranium, Total	1	24	None
41	200140296	41-2-B3	Uranium, Total	1	24	0.45
42	200140297	42-1-B3	Uranium, Total	1	24	None
42	200140298	42-2-B3	Uranium, Total	1	24	0.45
43	200140299	43-1-B3	Uranium, Total	1	24	None
43	200140300	43-2-B3	Uranium, Total	1	24	0.45
44	200140301	44-1-B3	Uranium, Total	1	24	None
44	200140302	44-2-B3	Uranium, Total	1	24	0.45
45	200140303	45-1-B3	Uranium, Total	1	24	None
45	200140304	45-2-B3	Uranium, Total	1	24	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
46	200140305	46-1-B3	Uranium, Total	1	24	None
46	200140306	46-2-B3	Uranium, Total	1	24	0.45
47	200140307	47-1-B3	Uranium, Total	1	24	None
47	200140308	47-2-B3	Uranium, Total	1	24	0.45
48	200140309	48-1-B3	Uranium, Total	1	24	None
48	200140310	48-2-B3	Uranium, Total	1	24	0.45
49	200140311	49-1-B3	Uranium, Total	1	24	0.45
50	200140312	50-1-B3	Uranium, Total	1	24	None
51	200140313	51-1-B3	Uranium, Total	1	24	None
31	200140556	31-3-B3	Uranium, Total	1	72	None
31	200140557	31-4-B3	Uranium, Total	1	72	0.45
32	200140558	32-3-B3	Uranium, Total	1	72	None
32	200140559	32-4-B3	Uranium, Total	1	72	0.45
33	200140560	33-3-B3	Uranium, Total	1	72	None
33	200140561	33-4-B3	Uranium, Total	1	72	0.45
34	200140562	34-3-B3	Uranium, Total	1	72	None
34	200140563	34-4-B3	Uranium, Total	1	72	0.45
35	200140564	35-3-B3	Uranium, Total	1	72	None
35	200140565	35-4-B3	Uranium, Total	1	72	0.45
36	200140566	36-3-B3	Uranium, Total	1	72	None
36	200140567	36-4-B3	Uranium, Total	1	72	0.45
37	200140568	37-3-B3	Uranium, Total	1	72	None
37	200140569	37-4-B3	Uranium, Total	1	72	0.45
38	200140570	38-3-B3	Uranium, Total	1	72	None
38	200140571	38-4-B3	Uranium, Total	1	72	0.45
39	200140572	39-3-B3	Uranium, Total	1	72	None
39	200140573	39-4-B3	Uranium, Total	1	72	0.45
40	200140574	40-3-B3	Uranium, Total	1	72	None
40	200140575	40-4-B3	Uranium, Total	1	72	0.45
41	200140576	41-3-B3	Uranium, Total	1	72	None
41	200140577	41-4-B3	Uranium, Total	1	72	0.45
42	200140578	42-3-B3	Uranium, Total	1	72	None
42	200140579	42-4-B3	Uranium, Total	1	72	0.45
43	200140580	43-3-B3	Uranium, Total	1	72	None
43	200140581	43-4-B3	Uranium, Total	1	72	0.45
44	200140582	44-3-B3	Uranium, Total	1	72	None
44	200140583	44-4-B3	Uranium, Total	1	72	0.45
45	200140584	45-3-B3	Uranium, Total	1	72	None
45	200140585	45-4-B3	Uranium, Total	1	72	0.45
46	200140586	46-3-B3	Uranium, Total	1	72	None
46	200140587	46-4-B3	Uranium, Total	1	72	0.45
47	200140588	47-3-B3	Uranium, Total	1	72	None
47	200140589	47-4-B3	Uranium, Total	1	72	0.45
48	200140590	48-3-B3	Uranium, Total	1	72	None
48	200140591	48-4-B3	Uranium, Total	1	72	0.45
49	200140592	49-2-B3	Uranium, Total	1	72	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K-Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
50	200140593	50-2-B3	Uranium, Total	1	72	None
51	200140594	51-2-B3	Uranium, Total	1	72	None
32	200142319	32-5-B3	Uranium, Total	1	288	None
33	200142320	33-5-B3	Uranium, Total	1	288	None
34	200142321	34-5-B3	Uranium, Total	1	288	None
35	200142322	35-5-B3	Uranium, Total	1	288	None
36	200142323	36-5-B3	Uranium, Total	1	288	None
43	200142324	43-5-B3	Uranium, Total	1	288	None
44	200142325	44-5-B3	Uranium, Total	1	288	None
50	200142326	50-4-B3	Uranium, Total	1	288	None
51	200142327	51-4-B3	Uranium, Total	1	288	None
32	200142328	32-6-B3	Uranium, Total	1	288	0.45
33	200142330	33-6-B3	Uranium, Total	1	288	0.45
34	200142331	34-6-B3	Uranium, Total	1	288	0.45
35	200142332	35-6-B3	Uranium, Total	1	288	0.45
36	200142333	36-6-B3	Uranium, Total	1	288	0.45
43	200142334	43-6-B3	Uranium, Total	1	288	0.45
44	200142335	44-6-B3	Uranium, Total	1	288	0.45
49	200142336	49-4-B3	Uranium, Total	1	288	0.45
31	200142371	31-6-B3	Uranium, Total	1	288	0.45
37	200142372	37-6-B3	Uranium, Total	1	288	0.45
38	200142373	38-6-B3	Uranium, Total	1	288	0.45
39	200142374	39-6-B3	Uranium, Total	1	288	0.45
40	200142375	40-6-B3	Uranium, Total	1	288	0.45
41	200142376	41-6-B3	Uranium, Total	1	288	0.45
42	200142377	42-6-B3	Uranium, Total	1	288	0.45
45	200142378	45-6-B3	Uranium, Total	1	288	0.45
46	200142379	46-6-B3	Uranium, Total	1	288	0.45
47	200142380	47-6-B3	Uranium, Total	1	288	0.45
48	200142381	48-6-B3	Uranium, Total	1	288	0.45
49	200142382	49-3-B3	Uranium, Total	1	288	0.45
31	200142383	31-5-B3	Uranium, Total	1	288	None
37	200142384	37-5-B3	Uranium, Total	1	288	None
38	200142385	38-5-B3	Uranium, Total	1	288	None
39	200142386	39-5-B3	Uranium, Total	1	288	None
40	200142387	40-5-B3	Uranium, Total	1	288	None
41	200142388	41-5-B3	Uranium, Total	1	288	None
42	200142389	42-5-B3	Uranium, Total	1	288	None
45	200142390	45-5-B3	Uranium, Total	1	288	None
46	200142391	46-5-B3	Uranium, Total	1	288	None
47	200142392	47-5-B3	Uranium, Total	1	288	None
48	200142393	48-5-B3	Uranium, Total	1	288	None
50	200142394	50-3-B3	Uranium, Total	1	288	None
51	200142395	51-3-B3	Uranium, Total	1	288	None
32	200143186	32-7-B3	Uranium, Total	1	360	None
32	200143187	32-8-B3	Uranium, Total	1	360	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
33	200143188	33-7-B3	Uranium, Total	1	360	None
33	200143189	33-8-B3	Uranium, Total	1	360	0.45
34	200143190	34-7-B3	Uranium, Total	1	360	None
34	200143191	34-8-B3	Uranium, Total	1	360	0.45
35	200143192	35-7-B3	Uranium, Total	1	360	None
35	200143193	35-8-B3	Uranium, Total	1	360	0.45
36	200143194	36-7-B3	Uranium, Total	1	360	None
36	200143195	36-8-B3	Uranium, Total	1	360	0.45
43	200143196	43-7-B3	Uranium, Total	1	360	None
43	200143197	43-8-B3	Uranium, Total	1	360	0.45
44	200143198	44-7-B3	Uranium, Total	1	360	None
44	200143199	44-8-B3	Uranium, Total	1	360	0.45
49	200143200	49-6-B3	Uranium, Total	1	360	0.45
50	200143201	50-6-B3	Uranium, Total	1	360	None
51	200143202	51-6-B3	Uranium, Total	1	360	None
31	200143203	31-7-B3	Uranium, Total	1	360	None
31	200143204	31-8-B3	Uranium, Total	1	360	0.45
37	200143205	37-7-B3	Uranium, Total	1	360	None
37	200143206	37-8-B3	Uranium, Total	1	360	0.45
38	200143207	38-7-B3	Uranium, Total	1	360	None
38	200143208	38-8-B3	Uranium, Total	1	360	0.45
39	200143209	39-7-B3	Uranium, Total	1	360	None
39	200143210	39-8-B3	Uranium, Total	1	360	0.45
40	200143211	40-7-B3	Uranium, Total	1	360	None
40	200143212	40-8-B3	Uranium, Total	1	360	0.45
41	200143213	41-7-B3	Uranium, Total	1	360	None
41	200143214	41-8-B3	Uranium, Total	1	360	0.45
42	200143215	42-7-B3	Uranium, Total	1	360	None
42	200143216	42-8-B3	Uranium, Total	1	360	0.45
45	200143217	45-7-B3	Uranium, Total	1	360	None
45	200143218	45-8-B3	Uranium, Total	1	360	0.45
46	200143219	46-7-B3	Uranium, Total	1	360	None
46	200143220	46-8-B3	Uranium, Total	1	360	0.45
47	200143221	47-7-B3	Uranium, Total	1	360	None
47	200143222	47-8-B3	Uranium, Total	1	360	0.45
48	200143223	48-7-B3	Uranium, Total	1	360	None
48	200143224	48-8-B3	Uranium, Total	1	360	0.45
49	200143225	49-5-B3	Uranium, Total	1	360	0.45
50	200143226	50-5-B3	Uranium, Total	1	360	None
51	200143227	51-5-B3	Uranium, Total	1	360	None
31	200144387	31-9-B3	Uranium, Total	1	408	None
31	200144388	31-10-B3	Uranium, Total	1	408	0.45
37	200144389	37-9-B3	Uranium, Total	1	408	None
37	200144390	37-10-B3	Uranium, Total	1	408	0.45
38	200144391	38-9-B3	Uranium, Total	1	408	None
38	200144392	38-10-B3	Uranium, Total	1	408	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K$_d$ Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
39	200144393	39-9-B3	Uranium, Total	1	408	None
39	200144394	39-10-B3	Uranium, Total	1	408	0.45
40	200144395	40-9-B3	Uranium, Total	1	408	None
40	200144396	40-10-B3	Uranium, Total	1	408	0.45
41	200144397	41-9-B3	Uranium, Total	1	408	None
41	200144398	41-10-B3	Uranium, Total	1	408	0.45
42	200144399	42-9-B3	Uranium, Total	1	408	None
42	200144400	42-10-B3	Uranium, Total	1	408	0.45
45	200144401	45-9-B3	Uranium, Total	1	408	None
45	200144402	45-10-B3	Uranium, Total	1	408	0.45
46	200144403	46-9-B3	Uranium, Total	1	408	None
46	200144404	46-10-B3	Uranium, Total	1	408	0.45
47	200144405	47-9-B3	Uranium, Total	1	408	None
47	200144406	47-10-B3	Uranium, Total	1	408	0.45
48	200144407	48-9-B3	Uranium, Total	1	408	None
48	200144408	48-10-B3	Uranium, Total	1	408	0.45
49	200144409	49-7-B3	Uranium, Total	1	408	0.45
50	200144410	50-7-B3	Uranium, Total	1	408	None
51	200144411	51-7-B3	Uranium, Total	1	408	None
32	200144483	32-9-B3	Uranium, Total	1	408	None
32	200144484	32-10-B3	Uranium, Total	1	408	0.45
33	200144485	33-9-B3	Uranium, Total	1	408	None
33	200144486	33-10-B3	Uranium, Total	1	408	0.45
34	200144487	34-9-B3	Uranium, Total	1	408	None
34	200144488	34-10-B3	Uranium, Total	1	408	0.45
35	200144489	35-9-B3	Uranium, Total	1	408	None
35	200144490	35-10-B3	Uranium, Total	1	408	0.45
36	200144491	36-9-B3	Uranium, Total	1	408	None
36	200144492	36-10-B3	Uranium, Total	1	408	0.45
43	200144493	43-9-B3	Uranium, Total	1	408	None
43	200144494	43-10-B3	Uranium, Total	1	408	0.45
44	200144495	44-9-B3	Uranium, Total	1	408	None
44	200144496	44-10-B3	Uranium, Total	1	408	0.45
49	200144497	49-8-B3	Uranium, Total	1	408	0.45
50	200144498	50-8-B3	Uranium, Total	1	408	None
51	200144499	51-8-B3	Uranium, Total	1	408	None
32	200145326	32-11-B3	Uranium, Total	1	504	None
33	200145327	33-11-B3	Uranium, Total	1	504	None
34	200145328	34-11-B3	Uranium, Total	1	504	None
35	200145329	35-11-B3	Uranium, Total	1	504	None
36	200145330	36-11-B3	Uranium, Total	1	504	None
43	200145331	43-11-B3	Uranium, Total	1	504	None
44	200145332	44-11-B3	Uranium, Total	1	504	None
50	200145333	50-10-B3	Uranium, Total	1	504	None
51	200145334	51-10-B3	Uranium, Total	1	504	None
32	200145339	32-12-B3	Uranium, Total	1	504	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_ Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
33	200145340	33-12-B3	Uranium, Total	1	504	0.45
34	200145341	34-12-B3	Uranium, Total	1	504	0.45
35	200145342	35-12-B3	Uranium, Total	1	504	0.45
36	200145343	36-12-B3	Uranium, Total	1	504	0.45
43	200145344	43-12-B3	Uranium, Total	1	504	0.45
44	200145345	44-12-B3	Uranium, Total	1	504	0.45
49	200145346	49-10-B3	Uranium, Total	1	504	0.45
31	200145347	31-11-B3	Uranium, Total	1	504	None
31	200145348	31-12-B3	Uranium, Total	1	504	0.45
37	200145349	37-11-B3	Uranium, Total	1	504	None
37	200145350	37-12-B3	Uranium, Total	1	504	0.45
38	200145351	38-11-B3	Uranium, Total	1	504	None
38	200145352	38-12-B3	Uranium, Total	1	504	0.45
39	200145353	39-11-B3	Uranium, Total	1	504	None
39	200145354	39-12-B3	Uranium, Total	1	504	0.45
40	200145355	40-11-B3	Uranium, Total	1	504	None
40	200145356	40-12-B3	Uranium, Total	1	504	0.45
41	200145357	41-11-B3	Uranium, Total	1	504	None
41	200145358	41-12-B3	Uranium, Total	1	504	0.45
42	200145359	42-11-B3	Uranium, Total	1	504	None
42	200145360	42-12-B3	Uranium, Total	1	504	0.45
45	200145361	45-11-B3	Uranium, Total	1	504	None
45	200145362	45-12-B3	Uranium, Total	1	504	0.45
46	200145363	46-11-B3	Uranium, Total	1	504	None
46	200145364	46-12-B3	Uranium, Total	1	504	0.45
47	200145365	47-11-B3	Uranium, Total	1	504	None
47	200145366	47-12-B3	Uranium, Total	1	504	0.45
48	200145367	48-11-B3	Uranium, Total	1	504	None
48	200145368	48-12-B3	Uranium, Total	1	504	0.45
49	200145369	49-9-B3	Uranium, Total	1	504	0.45
50	200145370	50-9-B3	Uranium, Total	1	504	None
51	200145371	51-9-B3	Uranium, Total	1	504	None
31	200146630	31-15-B3	Uranium, Total	1	648	None
31	200146631	31-16-B3	Uranium, Total	1	648	0.45
32	200146632	32-13-B3	Uranium, Total	1	648	None
32	200146633	32-14-B3	Uranium, Total	1	648	0.45
33	200146634	33-13-B3	Uranium, Total	1	648	None
33	200146635	33-14-B3	Uranium, Total	1	648	0.45
34	200146636	34-13-B3	Uranium, Total	1	648	None
34	200146637	34-14-B3	Uranium, Total	1	648	0.45
35	200146638	35-13-B3	Uranium, Total	1	648	None
35	200146639	35-14-B3	Uranium, Total	1	648	0.45
36	200146640	36-13-B3	Uranium, Total	1	648	None
36	200146641	36-14-B3	Uranium, Total	1	648	0.45
49	200146642	49-12-B3	Uranium, Total	1	648	0.45
50	200146643	50-12-B3	Uranium, Total	1	648	None

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
51	200146644	51-12-B3	Uranium, Total	1	648	None
37	200146646	37-13-B3	Uranium, Total	1	648	None
37	200146647	37-14-B3	Uranium, Total	1	648	0.45
38	200146648	38-13-B3	Uranium, Total	1	648	None
38	200146649	38-14-B3	Uranium, Total	1	648	0.45
39	200146650	39-13-B3	Uranium, Total	1	648	None
39	200146651	39-14-B3	Uranium, Total	1	648	0.45
40	200146652	40-13-B3	Uranium, Total	1	648	None
40	200146653	40-14-B3	Uranium, Total	1	648	0.45
41	200146654	41-13-B3	Uranium, Total	1	648	None
41	200146655	41-14-B3	Uranium, Total	1	648	0.45
42	200146656	42-13-B3	Uranium, Total	1	648	None
42	200146657	42-14-B3	Uranium, Total	1	648	0.45
43	200146658	43-13-B3	Uranium, Total	1	648	None
43	200146659	43-14-B3	Uranium, Total	1	648	0.45
44	200146660	44-13-B3	Uranium, Total	1	648	None
44	200146661	44-14-B3	Uranium, Total	1	648	0.45
45	200146662	45-13-B3	Uranium, Total	1	648	None
45	200146663	45-14-B3	Uranium, Total	1	648	0.45
46	200146664	46-13-B3	Uranium, Total	1	648	None
46	200146665	46-14-B3	Uranium, Total	1	648	0.45
47	200146666	47-13-B3	Uranium, Total	1	648	None
47	200146667	47-14-B3	Uranium, Total	1	648	0.45
48	200146668	48-13-B3	Uranium, Total	1	648	None
48	200146669	48-14-B3	Uranium, Total	1	648	0.45
49	200146670	49-11-B3	Uranium, Total	1	648	0.45
50	200146671	50-11-B3	Uranium, Total	1	648	None
51	200146672	51-11-B3	Uranium, Total	1	648	None
31	200148375	31-17-B3	Uranium, Total	1	816	None
32	200148386	32-15-B3	Uranium, Total	1	816	None
33	200148387	33-15-B3	Uranium, Total	1	816	None
34	200148388	34-15-B3	Uranium, Total	1	816	None
50	200148389	50-14-B3	Uranium, Total	1	816	None
51	200148390	51-14-B3	Uranium, Total	1	816	None
31	200148391	31-18-B3	Uranium, Total	1	816	0.45
32	200148392	32-16-B3	Uranium, Total	1	816	0.45
33	200148393	33-16-B3	Uranium, Total	1	816	0.45
34	200148394	34-16-B3	Uranium, Total	1	816	0.45
49	200148395	49-14-B3	Uranium, Total	1	816	0.45
35	200148396	35-15-B3	Uranium, Total	1	816	None
35	200148397	35-16-B3	Uranium, Total	1	816	0.45
36	200148398	36-15-B3	Uranium, Total	1	816	None
36	200148399	36-16-B3	Uranium, Total	1	816	0.45
37	200148400	37-15-B3	Uranium, Total	1	816	None
37	200148401	37-16-B3	Uranium, Total	1	816	0.45
38	200148402	38-15-B3	Uranium, Total	1	816	None

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_c Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
38	200148403	38-16-B3	Uranium, Total	1	816	0.45
39	200148404	39-15-B3	Uranium, Total	1	816	None
39	200148405	39-16-B3	Uranium, Total	1	816	0.45
40	200148406	40-15-B3	Uranium, Total	1	816	None
40	200148407	40-16-B3	Uranium, Total	1	816	0.45
41	200148408	41-15-B3	Uranium, Total	1	816	None
41	200148409	41-16-B3	Uranium, Total	1	816	0.45
42	200148410	42-15-B3	Uranium, Total	1	816	None
42	200148411	42-16-B3	Uranium, Total	1	816	0.45
43	200148412	43-15-B3	Uranium, Total	1	816	None
43	200148413	43-16-B3	Uranium, Total	1	816	0.45
44	200148414	44-15-B3	Uranium, Total	1	816	None
44	200148415	44-16-B3	Uranium, Total	1	816	0.45
45	200148416	45-15-B3	Uranium, Total	1	816	None
45	200148417	45-16-B3	Uranium, Total	1	816	0.45
46	200148418	46-15-B3	Uranium, Total	1	816	None
46	200148419	46-16-B3	Uranium, Total	1	816	0.45
47	200148420	47-15-B3	Uranium, Total	1	816	None
47	200148421	47-16-B3	Uranium, Total	1	816	0.45
48	200148422	48-15-B3	Uranium, Total	1	816	None
48	200148423	48-16-B3	Uranium, Total	1	816	0.45
49	200148424	49-13-B3	Uranium, Total	1	816	0.45
50	200148425	50-13-B3	Uranium, Total	1	816	None
51	200148426	51-13-B3	Uranium, Total	1	816	None
31	200149524	31-19-B3	Uranium, Total	1	1008	None
31	200149525	31-20-B3	Uranium, Total	1	1008	0.45
32	200149526	32-17-B3	Uranium, Total	1	1008	None
32	200149527	32-18-B3	Uranium, Total	1	1008	0.45
33	200149528	33-17-B3	Uranium, Total	1	1008	None
33	200149529	33-18-B3	Uranium, Total	1	1008	0.45
34	200149530	34-17-B3	Uranium, Total	1	1008	None
34	200149531	34-18-B3	Uranium, Total	1	1008	0.45
49	200149532	49-15-B3	Uranium, Total	1	1008	0.45
50	200149533	50-15-B3	Uranium, Total	1	1008	None
51	200149534	51-15-B3	Uranium, Total	1	1008	None
31	200150899	31-21-B3	Uranium, Total	1	1152	None
31	200150902	31-22-B3	Uranium, Total	1	1152	0.45
32	200150903	32-19-B3	Uranium, Total	1	1152	None
32	200150904	32-20-B3	Uranium, Total	1	1152	0.45
33	200150905	33-19-B3	Uranium, Total	1	1152	None
33	200150906	33-20-B3	Uranium, Total	1	1152	0.45
34	200150907	34-19-B3	Uranium, Total	1	1152	None
34	200150908	34-20-B3	Uranium, Total	1	1152	0.45
49	200150909	49-16-B3	Uranium, Total	1	1152	0.45
50	200150910	50-16-B3	Uranium, Total	1	1152	None
51	200150911	51-16-B3	Uranium, Total	1	1152	None

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
35	200150913	35-17-B3	Uranium, Total	1	1152	None
35	200150915	35-18-B3	Uranium, Total	1	1152	0.45
36	200150916	36-17-B3	Uranium, Total	1	1152	None
36	200150917	36-18-B3	Uranium, Total	1	1152	0.45
37	200150918	37-17-B3	Uranium, Total	1	1152	None
37	200150919	37-18-B3	Uranium, Total	1	1152	0.45
38	200150920	38-17-B3	Uranium, Total	1	1152	None
38	200150921	38-18-B3	Uranium, Total	1	1152	0.45
39	200150922	39-17-B3	Uranium, Total	1	1152	None
39	200150923	39-18-B3	Uranium, Total	1	1152	0.45
40	200150924	40-17-B3	Uranium, Total	1	1152	None
40	200150925	40-18-B3	Uranium, Total	1	1152	0.45
41	200150926	41-17-B3	Uranium, Total	1	1152	None
41	200150927	41-18-B3	Uranium, Total	1	1152	0.45
42	200150928	42-17-B3	Uranium, Total	1	1152	None
42	200150929	42-18-B3	Uranium, Total	1	1152	0.45
43	200150930	43-17-B3	Uranium, Total	1	1152	None
43	200150931	43-18-B3	Uranium, Total	1	1152	0.45
44	200150932	44-17-B3	Uranium, Total	1	1152	None
44	200150933	44-18-B3	Uranium, Total	1	1152	0.45
45	200150934	45-17-B3	Uranium, Total	1	1152	None
45	200150935	45-18-B3	Uranium, Total	1	1152	0.45
46	200150936	46-17-B3	Uranium, Total	1	1152	None
46	200150937	46-18-B3	Uranium, Total	1	1152	0.45
47	200150938	47-17-B3	Uranium, Total	1	1152	None
47	200150939	47-18-B3	Uranium, Total	1	1152	0.45
48	200150940	48-17-B3	Uranium, Total	1	1152	None
48	200150941	48-18-B3	Uranium, Total	1	1152	0.45
49	200150942	49-17-B3	Uranium, Total	1	1152	0.45
50	200150943	50-17-B3	Uranium, Total	1	1152	None
51	200150944	51-17-B3	Uranium, Total	1	1152	None
31	200151290	31-23-B3	Uranium, Total	2	24	None
31	200151291	31-24-B3	Uranium, Total	2	24	0.45
32	200151292	32-21-B3	Uranium, Total	2	24	None
32	200151293	32-22-B3	Uranium, Total	2	24	0.45
33	200151294	33-21-B3	Uranium, Total	2	24	None
33	200151295	33-22-B3	Uranium, Total	2	24	0.45
34	200151296	34-21-B3	Uranium, Total	2	24	None
34	200151297	34-22-B3	Uranium, Total	2	24	0.45
49	200151298	49-18-B3	Uranium, Total	2	24	0.45
50	200151299	50-18-B3	Uranium, Total	2	24	None
51	200151300	51-18-B3	Uranium, Total	2	24	None
35	200151301	35-19-B3	Uranium, Total	2	24	None
35	200151302	35-20-B3	Uranium, Total	2	24	0.45
36	200151303	36-19-B3	Uranium, Total	2	24	None
36	200151304	36-20-B3	Uranium, Total	2	24	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
37	200151305	37-19-B3	Uranium, Total	2	24	None
37	200151306	37-20-B3	Uranium, Total	2	24	0.45
38	200151307	38-19-B3	Uranium, Total	2	24	None
38	200151308	38-20-B3	Uranium, Total	2	24	0.45
39	200151309	39-19-B3	Uranium, Total	2	24	None
39	200151310	39-20-B3	Uranium, Total	2	24	0.45
40	200151311	40-19-B3	Uranium, Total	2	24	None
40	200151312	40-20-B3	Uranium, Total	2	24	0.45
41	200151313	41-19-B3	Uranium, Total	2	24	None
41	200151314	41-20-B3	Uranium, Total	2	24	0.45
42	200151315	42-19-B3	Uranium, Total	2	24	None
42	200151316	42-20-B3	Uranium, Total	2	24	0.45
43	200151317	43-19-B3	Uranium, Total	2	24	None
43	200151318	43-20-B3	Uranium, Total	2	24	0.45
44	200151319	44-19-B3	Uranium, Total	2	24	None
44	200151320	44-20-B3	Uranium, Total	2	24	0.45
45	200151321	45-19-B3	Uranium, Total	2	24	None
45	200151322	45-20-B3	Uranium, Total	2	24	0.45
46	200151323	46-19-B3	Uranium, Total	2	24	None
46	200151324	46-20-B3	Uranium, Total	2	24	0.45
47	200151325	47-19-B3	Uranium, Total	2	24	None
47	200151326	47-20-B3	Uranium, Total	2	24	0.45
48	200151327	48-19-B3	Uranium, Total	2	24	None
48	200151328	48-20-B3	Uranium, Total	2	24	0.45
49	200151329	49-19-B3	Uranium, Total	2	24	0.45
50	200151330	50-19-B3	Uranium, Total	2	24	None
51	200151331	51-19-B3	Uranium, Total	2	24	None
31	200151767	31-25-B3	Uranium, Total	2	72	None
31	200151768	31-26-B3	Uranium, Total	2	72	0.45
32	200151769	32-23-B3	Uranium, Total	2	72	None
32	200151770	32-24-B3	Uranium, Total	2	72	0.45
33	200151771	33-23-B3	Uranium, Total	2	72	None
33	200151772	33-24-B3	Uranium, Total	2	72	0.45
34	200151773	34-23-B3	Uranium, Total	2	72	None
34	200151774	34-24-B3	Uranium, Total	2	72	0.45
49	200151775	49-20-B3	Uranium, Total	2	72	0.45
50	200151776	50-20-B3	Uranium, Total	2	72	None
51	200151777	51-20-B3	Uranium, Total	2	72	None
35	200151778	35-21-B3	Uranium, Total	2	72	None
35	200151779	35-22-B3	Uranium, Total	2	72	0.45
36	200151780	36-21-B3	Uranium, Total	2	72	None
36	200151781	36-22-B3	Uranium, Total	2	72	0.45
37	200151782	37-21-B3	Uranium, Total	2	72	None
37	200151783	37-22-B3	Uranium, Total	2	72	0.45
38	200151784	38-21-B3	Uranium, Total	2	72	None
38	200151785	38-22-B3	Uranium, Total	2	72	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
39	200151786	39-21-B3	Uranium, Total	2	72	None
39	200151787	39-22-B3	Uranium, Total	2	72	0.45
40	200151788	40-21-B3	Uranium, Total	2	72	None
40	200151789	40-22-B3	Uranium, Total	2	72	0.45
41	200151790	41-21-B3	Uranium, Total	2	72	None
41	200151791	41-22-B3	Uranium, Total	2	72	0.45
42	200151792	42-21-B3	Uranium, Total	2	72	None
42	200151793	42-22-B3	Uranium, Total	2	72	0.45
43	200151794	43-21-B3	Uranium, Total	2	72	None
43	200151795	43-22-B3	Uranium, Total	2	72	0.45
44	200151796	44-21-B3	Uranium, Total	2	72	None
44	200151797	44-22-B3	Uranium, Total	2	72	0.45
45	200151798	45-21-B3	Uranium, Total	2	72	None
45	200151799	45-22-B3	Uranium, Total	2	72	0.45
46	200151800	46-21-B3	Uranium, Total	2	72	None
46	200151801	46-22-B3	Uranium, Total	2	72	0.45
47	200151802	47-21-B3	Uranium, Total	2	72	None
47	200151803	47-22-B3	Uranium, Total	2	72	0.45
48	200151804	48-21-B3	Uranium, Total	2	72	None
48	200151805	48-22-B3	Uranium, Total	2	72	0.45
49	200151806	49-21-B3	Uranium, Total	2	72	0.45
50	200151807	50-21-B3	Uranium, Total	2	72	None
51	200151808	51-21-B3	Uranium, Total	2	72	None
31	200153593	31-27-B3	Uranium, Total	2	288	None
31	200153594	31-28-B3	Uranium, Total	2	288	0.45
32	200153595	32-25-B3	Uranium, Total	2	288	None
32	200153596	32-26-B3	Uranium, Total	2	288	0.45
33	200153597	33-25-B3	Uranium, Total	2	288	None
33	200153598	33-26-B3	Uranium, Total	2	288	0.45
34	200153599	34-25-B3	Uranium, Total	2	288	None
34	200153600	34-26-B3	Uranium, Total	2	288	0.45
49	200153601	49-22-B3	Uranium, Total	2	288	0.45
50	200153602	50-22-B3	Uranium, Total	2	288	None
51	200153603	51-22-B3	Uranium, Total	2	288	None
35	200153604	35-23-B3	Uranium, Total	2	288	None
35	200153606	35-24-B3	Uranium, Total	2	288	0.45
36	200153607	36-23-B3	Uranium, Total	2	288	None
36	200153608	36-24-B3	Uranium, Total	2	288	0.45
37	200153609	37-23-B3	Uranium, Total	2	288	None
37	200153610	37-24-B3	Uranium, Total	2	288	0.45
38	200153611	38-23-B3	Uranium, Total	2	288	None
38	200153612	38-24-B3	Uranium, Total	2	288	0.45
39	200153613	39-23-B3	Uranium, Total	2	288	None
39	200153614	39-24-B3	Uranium, Total	2	288	0.45
40	200153615	40-23-B3	Uranium, Total	2	288	None
40	200153616	40-24-B3	Uranium, Total	2	288	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
41	200153617	41-23-B3	Uranium, Total	2	288	None
41	200153618	41-24-B3	Uranium, Total	2	288	0.45
42	200153619	42-23-B3	Uranium, Total	2	288	None
42	200153620	42-24-B3	Uranium, Total	2	288	0.45
43	200153621	43-23-B3	Uranium, Total	2	288	None
43	200153622	43-24-B3	Uranium, Total	2	288	0.45
44	200153623	44-23-B3	Uranium, Total	2	288	None
44	200153624	44-24-B3	Uranium, Total	2	288	0.45
45	200153625	45-23-B3	Uranium, Total	2	288	None
45	200153626	45-24-B3	Uranium, Total	2	288	0.45
46	200153627	46-23-B3	Uranium, Total	2	288	None
46	200153628	46-24-B3	Uranium, Total	2	288	0.45
47	200153629	47-23-B3	Uranium, Total	2	288	None
47	200153630	47-24-B3	Uranium, Total	2	288	0.45
48	200153631	48-23-B3	Uranium, Total	2	288	None
48	200153632	48-24-B3	Uranium, Total	2	288	0.45
49	200153633	49-23-B3	Uranium, Total	2	288	0.45
50	200153634	50-23-B3	Uranium, Total	2	288	None
51	200153635	51-23-B3	Uranium, Total	2	288	None
31	200153711	76-15-B3	Technetium-99	1	1152	None
31	200153711	76-15-B3	Uranium, Total	1	1152	None
32	200153713	76-16-B3	Technetium-99	1	1152	None
32	200153713	76-16-B3	Uranium, Total	1	1152	None
33	200153714	76-17-B3	Technetium-99	1	1152	None
33	200153714	76-17-B3	Uranium, Total	1	1152	None
34	200153715	76-18-B3	Technetium-99	1	1152	None
34	200153715	76-18-B3	Uranium, Total	1	1152	None
35	200153716	76-19-B3	Technetium-99	1	1152	None
35	200153716	76-19-B3	Uranium, Total	1	1152	None
36	200153717	76-20-B3	Technetium-99	1	1152	None
36	200153717	76-20-B3	Uranium, Total	1	1152	None
31	200153718	76-21-B3	Technetium-99	1	1152	0.45
31	200153718	76-21-B3	Uranium, Total	1	1152	0.45
32	200153719	76-22-B3	Technetium-99	1	1152	0.45
32	200153719	76-22-B3	Uranium, Total	1	1152	0.45
33	200153720	76-23-B3	Technetium-99	1	1152	0.45
33	200153720	76-23-B3	Uranium, Total	1	1152	0.45
34	200153721	76-24-B3	Technetium-99	1	1152	0.45
34	200153721	76-24-B3	Uranium, Total	1	1152	0.45
35	200153722	76-25-B3	Technetium-99	1	1152	0.45
35	200153722	76-25-B3	Uranium, Total	1	1152	0.45
36	200153723	76-26-B3	Technetium-99	1	1152	0.45
36	200153723	76-26-B3	Uranium, Total	1	1152	0.45
37	200153724	76-27-B3	Technetium-99	1	1152	None
37	200153724	76-27-B3	Uranium, Total	1	1152	None
38	200153725	76-28-B3	Technetium-99	1	1152	None

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
38	200153725	76-28-B3	Uranium, Total	1	1152	None
39	200153726	77-1-B3	Technetium-99	1	1152	None
39	200153726	77-1-B3	Uranium, Total	1	1152	None
40	200153727	77-2-B3	Technetium-99	1	1152	None
40	200153727	77-2-B3	Uranium, Total	1	1152	None
41	200153728	77-3-B3	Technetium-99	1	1152	None
41	200153728	77-3-B3	Uranium, Total	1	1152	None
42	200153729	77-4-B3	Technetium-99	1	1152	None
42	200153729	77-4-B3	Uranium, Total	1	1152	None
43	200153730	77-5-B3	Technetium-99	1	1152	None
43	200153730	77-5-B3	Uranium, Total	1	1152	None
44	200153731	77-6-B3	Technetium-99	1	1152	None
44	200153731	77-6-B3	Uranium, Total	1	1152	None
45	200153732	77-7-B3	Technetium-99	1	1152	None
45	200153732	77-7-B3	Uranium, Total	1	1152	None
46	200153733	77-8-B3	Technetium-99	1	1152	None
46	200153733	77-8-B3	Uranium, Total	1	1152	None
47	200153734	77-9-B3	Technetium-99	1	1152	None
47	200153734	77-9-B3	Uranium, Total	1	1152	None
48	200153735	77-10-B3	Technetium-99	1	1152	None
48	200153735	77-10-B3	Uranium, Total	1	1152	None
37	200153736	77-11-B3	Technetium-99	1	1152	0.45
37	200153736	77-11-B3	Uranium, Total	1	1152	0.45
38	200153737	77-12-B3	Technetium-99	1	1152	0.45
38	200153737	77-12-B3	Uranium, Total	1	1152	0.45
39	200153738	77-13-B3	Technetium-99	1	1152	0.45
39	200153738	77-13-B3	Uranium, Total	1	1152	0.45
40	200153739	77-14-B3	Technetium-99	1	1152	0.45
40	200153739	77-14-B3	Uranium, Total	1	1152	0.45
41	200153740	77-15-B3	Technetium-99	1	1152	0.45
41	200153740	77-15-B3	Uranium, Total	1	1152	0.45
42	200153741	77-16-B3	Technetium-99	1	1152	0.45
42	200153741	77-16-B3	Uranium, Total	1	1152	0.45
43	200153742	77-17-B3	Technetium-99	1	1152	0.45
43	200153742	77-17-B3	Uranium, Total	1	1152	0.45
44	200153743	77-18-B3	Technetium-99	1	1152	0.45
44	200153743	77-18-B3	Uranium, Total	1	1152	0.45
45	200153744	77-19-B3	Technetium-99	1	1152	0.45
45	200153744	77-19-B3	Uranium, Total	1	1152	0.45
46	200153745	77-20-B3	Technetium-99	1	1152	0.45
46	200153745	77-20-B3	Uranium, Total	1	1152	0.45
47	200153746	77-21-B3	Technetium-99	1	1152	0.45
47	200153746	77-21-B3	Uranium, Total	1	1152	0.45
48	200153747	77-22-B3	Technetium-99	1	1152	0.45
48	200153747	77-22-B3	Uranium, Total	1	1152	0.45
50	200153748	77-23-B3	Technetium-99	1	1152	None

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
51	200153748	77-23-B3	Uranium, Total	1	1152	None
–	200153753	76-1-B3	Aluminum	1	1152	None
–	200153753	76-1-B3	Antimony	1	1152	None
–	200153753	76-1-B3	Arsenic	1	1152	None
–	200153753	76-1-B3	Barium	1	1152	None
–	200153753	76-1-B3	Beryllium	1	1152	None
–	200153753	76-1-B3	Cadmium	1	1152	None
–	200153753	76-1-B3	Calcium	1	1152	None
–	200153753	76-1-B3	Chromium	1	1152	None
–	200153753	76-1-B3	Cobalt	1	1152	None
–	200153753	76-1-B3	Copper	1	1152	None
–	200153753	76-1-B3	Iron	1	1152	None
–	200153753	76-1-B3	Lead	1	1152	None
–	200153753	76-1-B3	Magnesium	1	1152	None
–	200153753	76-1-B3	Manganese	1	1152	None
–	200153753	76-1-B3	Mercury	1	1152	None
–	200153753	76-1-B3	Molybdenum	1	1152	None
–	200153753	76-1-B3	Nickel	1	1152	None
–	200153753	76-1-B3	Potassium	1	1152	None
–	200153753	76-1-B3	Selenium	1	1152	None
–	200153753	76-1-B3	Silicon	1	1152	None
–	200153753	76-1-B3	Silver	1	1152	None
–	200153753	76-1-B3	Sodium	1	1152	None
–	200153753	76-1-B3	Thallium	1	1152	None
–	200153753	76-1-B3	Vanadium	1	1152	None
–	200153753	76-1-B3	Zinc	1	1152	None
–	200153754	76-8-B3	Aluminum	1	1152	None
–	200153754	76-8-B3	Antimony	1	1152	None
–	200153754	76-8-B3	Arsenic	1	1152	None
–	200153754	76-8-B3	Barium	1	1152	None
–	200153754	76-8-B3	Beryllium	1	1152	None
–	200153754	76-8-B3	Cadmium	1	1152	None
–	200153754	76-8-B3	Calcium	1	1152	None
–	200153754	76-8-B3	Chromium	1	1152	None
–	200153754	76-8-B3	Cobalt	1	1152	None
–	200153754	76-8-B3	Copper	1	1152	None
–	200153754	76-8-B3	Iron	1	1152	None
–	200153754	76-8-B3	Lead	1	1152	None
–	200153754	76-8-B3	Magnesium	1	1152	None
–	200153754	76-8-B3	Manganese	1	1152	None
–	200153754	76-8-B3	Mercury	1	1152	None
–	200153754	76-8-B3	Molybdenum	1	1152	None
–	200153754	76-8-B3	Nickel	1	1152	None
–	200153754	76-8-B3	Potassium	1	1152	None
–	200153754	76-8-B3	Selenium	1	1152	None
–	200153754	76-8-B3	Silicon	1	1152	None

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200153754	76-8-B3	Silver	1	1152	None
–	200153754	76-8-B3	Sodium	1	1152	None
–	200153754	76-8-B3	Thallium	1	1152	None
–	200153754	76-8-B3	Vanadium	1	1152	None
–	200153754	76-8-B3	Zinc	1	1152	None
–	200153755	76-7-B3	Cesium-137	1	1152	None
–	200153755	76-7-B3	Neptunium-237	1	1152	None
–	200153755	76-7-B3	Plutonium-238	1	1152	None
–	200153755	76-7-B3	Plutonium-239	1	1152	None
–	200153755	76-7-B3	Radium-226	1	1152	None
–	200153755	76-7-B3	Radium-228	1	1152	None
–	200153755	76-7-B3	Strontium-90	1	1152	None
–	200153755	76-7-B3	Thorium-228	1	1152	None
–	200153755	76-7-B3	Thorium-230	1	1152	None
–	200153755	76-7-B3	Thorium-232	1	1152	None
–	200153755	76-7-B3	Uranium-234	1	1152	None
–	200153755	76-7-B3	Uranium-235/236	1	1152	None
–	200153755	76-7-B3	Uranium-238	1	1152	None
–	200153756	76-14-B3	Cesium-137	1	1152	None
–	200153756	76-14-B3	Neptunium-237	1	1152	None
–	200153756	76-14-B3	Plutonium-238	1	1152	None
–	200153756	76-14-B3	Plutonium-239	1	1152	None
–	200153756	76-14-B3	Radium-226	1	1152	None
–	200153756	76-14-B3	Radium-228	1	1152	None
–	200153756	76-14-B3	Strontium-90	1	1152	None
–	200153756	76-14-B3	Thorium-228	1	1152	None
–	200153756	76-14-B3	Thorium-230	1	1152	None
–	200153756	76-14-B3	Thorium-232	1	1152	None
–	200153756	76-14-B3	Uranium-234	1	1152	None
–	200153756	76-14-B3	Uranium-235/236	1	1152	None
–	200153756	76-14-B3	Uranium-238	1	1152	None
44	200153757	8A-040 KL	Technetium-99	–	0	–
44	200153757	8A-040 KL	Uranium, Total	–	0	–
31	200154159	31-29-B3	Uranium, Total	2	360	None
31	200154160	31-30-B3	Uranium, Total	2	360	0.45
32	200154161	32-27-B3	Uranium, Total	2	360	None
32	200154162	32-28-B3	Uranium, Total	2	360	0.45
33	200154163	33-27-B3	Uranium, Total	2	360	None
33	200154164	33-28-B3	Uranium, Total	2	360	0.45
34	200154165	34-27-B3	Uranium, Total	2	360	None
34	200154166	34-28-B3	Uranium, Total	2	360	0.45
49	200154167	49-24-B3	Uranium, Total	2	360	0.45
50	200154168	50-24-B3	Uranium, Total	2	360	None
51	200154169	51-24-B3	Uranium, Total	2	360	None
40	200154440	40-25-B3	Uranium, Total	2	360	None
40	200154441	40-26-B3	Uranium, Total	2	360	0.45

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

KL Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
41	200154442	41-25-B3	Uranium, Total	2	360	None
41	200154443	41-26-B3	Uranium, Total	2	360	0.45
42	200154444	42-25-B3	Uranium, Total	2	360	None
42	200154445	42-26-B3	Uranium, Total	2	360	0.45
43	200154446	43-25-B3	Uranium, Total	2	360	None
43	200154447	43-26-B3	Uranium, Total	2	360	0.45
44	200154448	44-25-B3	Uranium, Total	2	360	None
44	200154449	44-26-B3	Uranium, Total	2	360	0.45
45	200154450	45-25-B3	Uranium, Total	2	360	None
45	200154451	45-26-B3	Uranium, Total	2	360	0.45
46	200154452	46-25-B3	Uranium, Total	2	360	None
46	200154453	46-26-B3	Uranium, Total	2	360	0.45
47	200154454	47-25-B3	Uranium, Total	2	360	None
47	200154455	47-26-B3	Uranium, Total	2	360	0.45
48	200154456	48-25-B3	Uranium, Total	2	360	None
48	200154457	48-26-B3	Uranium, Total	2	360	0.45
49	200154458	49-25-B3	Uranium, Total	2	360	0.45
50	200154459	50-25-B3	Uranium, Total	2	360	None
35	200154460	35-25-B3	Uranium, Total	2	360	None
35	200154461	35-26-B3	Uranium, Total	2	360	0.45
36	200154462	36-25-B3	Uranium, Total	2	360	None
36	200154463	36-26-B3	Uranium, Total	2	360	0.45
37	200154464	37-25-B3	Uranium, Total	2	360	None
37	200154465	37-26-B3	Uranium, Total	2	360	0.45
38	200154466	38-25-B3	Uranium, Total	2	360	None
38	200154467	38-26-B3	Uranium, Total	2	360	0.45
39	200154468	39-25-B3	Uranium, Total	2	360	None
39	200154469	39-26-B3	Uranium, Total	2	360	0.45
51	200154470	51-25-B3	Uranium, Total	2	360	None
31	200154476	78-11-B3	Uranium, Total	1	1152	None
32	200154477	78-12-B3	Uranium, Total	1	1152	None
33	200154478	78-13-B3	Uranium, Total	1	1152	None
34	200154479	78-14-B3	Uranium, Total	1	1152	None
35	200154480	78-15-B3	Uranium, Total	1	1152	None
36	200154481	78-16-B3	Uranium, Total	1	1152	None
37	200154482	78-17-B3	Uranium, Total	1	1152	None
38	200154483	78-18-B3	Uranium, Total	1	1152	None
39	200154484	78-19-B3	Uranium, Total	1	1152	None
40	200154485	78-20-B3	Uranium, Total	1	1152	None
41	200154486	78-21-B3	Uranium, Total	1	1152	None
42	200154487	78-22-B3	Uranium, Total	1	1152	None
43	200154488	78-23-B3	Uranium, Total	1	1152	None
44	200154489	78-24-B3	Uranium, Total	1	1152	None
45	200154490	78-25-B3	Uranium, Total	1	1152	None
46	200154491	78-26-B3	Uranium, Total	1	1152	None
47	200154492	78-27-B3	Uranium, Total	1	1152	None

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
48	200154493	78-28-B3	Uranium, Total	1	1152	None
31	200154494	97-1-B3	Uranium, Total	1	1152	0.45
32	200154495	97-2-B3	Uranium, Total	1	1152	0.45
33	200154496	97-3-B3	Uranium, Total	1	1152	0.45
34	200154497	97-4-B3	Uranium, Total	1	1152	0.45
35	200154498	97-5-B3	Uranium, Total	1	1152	0.45
36	200154499	97-6-B3	Uranium, Total	1	1152	0.45
37	200154500	97-7-B3	Uranium, Total	1	1152	0.45
38	200154501	97-8-B3	Uranium, Total	1	1152	0.45
39	200154502	97-9-B3	Uranium, Total	1	1152	0.45
40	200154503	97-10-B3	Uranium, Total	1	1152	0.45
41	200154504	97-11-B3	Uranium, Total	1	1152	0.45
42	200154505	97-12-B3	Uranium, Total	1	1152	0.45
43	200154506	97-13-B3	Uranium, Total	1	1152	0.45
44	200154507	97-14-B3	Uranium, Total	1	1152	0.45
45	200154508	97-15-B3	Uranium, Total	1	1152	0.45
46	200154509	97-16-B3	Uranium, Total	1	1152	0.45
47	200154510	97-17-B3	Uranium, Total	1	1152	0.45
48	200154511	97-18-B3	Uranium, Total	1	1152	0.45
31	200154512	97-19-B3	Uranium, Total	1	1152	0.2
32	200154513	97-20-B3	Uranium, Total	1	1152	0.2
33	200154514	97-21-B3	Uranium, Total	1	1152	0.2
34	200154515	97-22-B3	Uranium, Total	1	1152	0.2
35	200154516	97-23-B3	Uranium, Total	1	1152	0.2
36	200154517	97-24-B3	Uranium, Total	1	1152	0.2
37	200154518	97-25-B3	Uranium, Total	1	1152	0.2
38	200154519	97-26-B3	Uranium, Total	1	1152	0.2
39	200154520	97-27-B3	Uranium, Total	1	1152	0.2
40	200154521	97-28-B3	Uranium, Total	1	1152	0.2
41	200154522	97-29-B3	Uranium, Total	1	1152	0.2
42	200154523	97-30-B3	Uranium, Total	1	1152	0.2
43	200154524	97-31-B3	Uranium, Total	1	1152	0.2
44	200154525	97-32-B3	Uranium, Total	1	1152	0.2
45	200154526	97-33-B3	Uranium, Total	1	1152	0.2
46	200154527	98-1-B3	Uranium, Total	1	1152	0.2
47	200154528	98-2-B3	Uranium, Total	1	1152	0.2
48	200154529	98-3-B3	Uranium, Total	1	1152	0.2
32	200154889	32-29-B3	Uranium, Total	2	408	None
32	200154890	32-30-B3	Uranium, Total	2	408	0.45
33	200154891	33-29-B3	Uranium, Total	2	408	None
33	200154892	33-30-B3	Uranium, Total	2	408	0.45
34	200154893	34-29-B3	Uranium, Total	2	408	None
34	200154894	34-30-B3	Uranium, Total	2	408	0.45
49	200154895	49-26-B3	Uranium, Total	2	408	0.45
50	200154896	50-26-B3	Uranium, Total	2	408	None
51	200154897	51-26-B3	Uranium, Total	2	408	None

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OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
31	200154898	31-31-B3	Uranium, Total	2	408	None
31	200154899	31-32-B3	Uranium, Total	2	408	0.45
35	200154900	35-27-B3	Uranium, Total	2	408	None
35	200154901	35-28-B3	Uranium, Total	2	408	0.45
36	200154902	36-27-B3	Uranium, Total	2	408	None
36	200154903	36-28-B3	Uranium, Total	2	408	0.45
37	200154904	37-27-B3	Uranium, Total	2	408	None
37	200154905	37-28-B3	Uranium, Total	2	408	0.45
38	200154906	38-27-B3	Uranium, Total	2	408	None
38	200154907	38-28-B3	Uranium, Total	2	408	0.45
39	200154908	39-27-B3	Uranium, Total	2	408	None
39	200154909	39-28-B3	Uranium, Total	2	408	0.45
40	200154910	40-27-B3	Uranium, Total	2	408	None
40	200154911	40-28-B3	Uranium, Total	2	408	0.45
41	200154912	41-27-B3	Uranium, Total	2	408	None
41	200154913	41-28-B3	Uranium, Total	2	408	0.45
42	200154914	42-27-B3	Uranium, Total	2	408	None
42	200154915	42-28-B3	Uranium, Total	2	408	0.45
43	200154916	43-27-B3	Uranium, Total	2	408	None
43	200154917	43-28-B3	Uranium, Total	2	408	0.45
44	200154918	44-27-B3	Uranium, Total	2	408	None
44	200154919	44-28-B3	Uranium, Total	2	408	0.45
45	200154920	45-27-B3	Uranium, Total	2	408	None
45	200154921	45-28-B3	Uranium, Total	2	408	0.45
46	200154922	46-27-B3	Uranium, Total	2	408	None
46	200154923	46-28-B3	Uranium, Total	2	408	0.45
47	200154924	47-27-B3	Uranium, Total	2	408	None
47	200154925	47-28-B3	Uranium, Total	2	408	0.45
48	200154926	48-27-B3	Uranium, Total	2	408	None
48	200154927	48-28-B3	Uranium, Total	2	408	0.45
49	200154928	49-27-B3	Uranium, Total	2	408	0.45
50	200154929	50-27-B3	Uranium, Total	2	408	None
51	200154930	51-27-B3	Uranium, Total	2	408	None
–	200155214	76-2-B3	Chloride	1	1152	–
–	200155214	76-2-B3	Sulfate	1	1152	–
–	200155215	76-3-B3	Ammonia	1	1152	–
–	200155215	76-3-B3	Nitrate	1	1152	–
–	200155216	76-4-B3	Total Inorganic Carbon	1	1152	–
–	200155216	76-4-B3	Total Organic Carbon	1	1152	–
–	200155217	76-5-B3	Fluoride	1	1152	–
–	200155218	76-6-B3	Phosphate	1	1152	–
–	200155219	76-9-B3	Chloride	1	1152	–
–	200155219	76-9-B3	Sulfate	1	1152	–
–	200155220	76-10-B3	Ammonia	1	1152	–
–	200155220	76-10-B3	Nitrate	1	1152	–
–	200155221	76-11-B3	Total Inorganic Carbon	1	1152	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200155221	76-11-B3	Total Organic Carbon	1	1152	–
–	200155222	76-12-B3	Fluoride	1	1152	–
–	200155223	76-13-B3	Phosphate	1	1152	–
32	200155888	32-31-B3	Uranium, Total	2	552	None
32	200155889	32-32-B3	Uranium, Total	2	552	0.45
33	200155890	33-31-B3	Uranium, Total	2	552	None
33	200155891	33-32-B3	Uranium, Total	2	552	0.45
34	200155892	34-31-B3	Uranium, Total	2	552	None
34	200155893	34-32-B3	Uranium, Total	2	552	0.45
49	200155894	49-28-B3	Uranium, Total	2	552	0.45
50	200155895	50-28-B3	Uranium, Total	2	552	None
51	200155896	51-28-B3	Uranium, Total	2	552	None
31	200155897	31-33-B3	Uranium, Total	2	552	None
31	200155898	31-34-B3	Uranium, Total	2	552	0.45
35	200155899	35-29-B3	Uranium, Total	2	552	None
35	200155900	35-30-B3	Uranium, Total	2	552	0.45
36	200155901	36-29-B3	Uranium, Total	2	552	None
36	200155902	36-30-B3	Uranium, Total	2	552	0.45
37	200155903	37-29-B3	Uranium, Total	2	552	None
37	200155904	37-30-B3	Uranium, Total	2	552	0.45
38	200155905	38-29-B3	Uranium, Total	2	552	None
38	200155906	38-30-B3	Uranium, Total	2	552	0.45
39	200155907	39-29-B3	Uranium, Total	2	552	None
39	200155908	39-30-B3	Uranium, Total	2	552	0.45
40	200155909	40-29-B3	Uranium, Total	2	552	None
40	200155910	40-30-B3	Uranium, Total	2	552	0.45
41	200155911	41-29-B3	Uranium, Total	2	552	None
41	200155912	41-30-B3	Uranium, Total	2	552	0.45
42	200155913	42-29-B3	Uranium, Total	2	552	None
42	200155914	42-30-B3	Uranium, Total	2	552	0.45
43	200155915	43-29-B3	Uranium, Total	2	552	None
43	200155916	43-30-B3	Uranium, Total	2	552	0.45
44	200155917	44-29-B3	Uranium, Total	2	552	None
44	200155918	44-30-B3	Uranium, Total	2	552	0.45
45	200155919	45-29-B3	Uranium, Total	2	552	None
45	200155920	45-30-B3	Uranium, Total	2	552	0.45
46	200155921	46-29-B3	Uranium, Total	2	552	None
46	200155922	46-30-B3	Uranium, Total	2	552	0.45
47	200155923	47-29-B3	Uranium, Total	2	552	None
47	200155924	47-30-B3	Uranium, Total	2	552	0.45
48	200155925	48-29-B3	Uranium, Total	2	552	None
48	200155926	48-30-B3	Uranium, Total	2	552	0.45
49	200155927	49-29-B3	Uranium, Total	2	552	0.45
50	200155928	50-29-B3	Uranium, Total	2	552	None
51	200155929	51-29-B3	Uranium, Total	2	552	None
–	200156121	98-6-B3	Total Dissolved Solid	1	1152	None

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APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
32	200157233	32-33-B3	Uranium, Total	2	744	None
32	200157234	32-34-B3	Uranium, Total	2	744	0.45
33	200157235	33-33-B3	Uranium, Total	2	744	None
33	200157236	33-34-B3	Uranium, Total	2	744	0.45
34	200157237	34-33-B3	Uranium, Total	2	744	None
34	200157238	34-34-B3	Uranium, Total	2	744	0.45
49	200157239	49-30-B3	Uranium, Total	2	744	0.45
50	200157240	50-30-B3	Uranium, Total	2	744	None
51	200157241	51-30-B3	Uranium, Total	2	744	None
31	200157242	31-35-B3	Uranium, Total	2	744	None
31	200157243	31-36-B3	Uranium, Total	2	744	0.45
35	200157244	35-31-B3	Uranium, Total	2	744	None
35	200157245	35-32-B3	Uranium, Total	2	744	0.45
36	200157246	36-31-B3	Uranium, Total	2	744	None
36	200157247	36-32-B3	Uranium, Total	2	744	0.45
37	200157248	37-31-B3	Uranium, Total	2	744	None
37	200157249	37-32-B3	Uranium, Total	2	744	0.45
38	200157250	38-31-B3	Uranium, Total	2	744	None
38	200157251	38-32-B3	Uranium, Total	2	744	0.45
39	200157252	39-31-B3	Uranium, Total	2	744	None
39	200157253	39-32-B3	Uranium, Total	2	744	0.45
40	200157254	40-31-B3	Uranium, Total	2	744	None
40	200157255	40-32-B3	Uranium, Total	2	744	0.45
41	200157256	41-31-B3	Uranium, Total	2	744	None
41	200157257	41-32-B3	Uranium, Total	2	744	0.45
42	200157258	42-31-B3	Uranium, Total	2	744	None
42	200157259	42-32-B3	Uranium, Total	2	744	0.45
43	200157260	43-31-B3	Uranium, Total	2	744	None
43	200157261	43-32-B3	Uranium, Total	2	744	0.45
44	200157262	44-31-B3	Uranium, Total	2	744	None
44	200157263	44-32-B3	Uranium, Total	2	744	0.45
45	200157264	45-31-B3	Uranium, Total	2	744	None
45	200157265	45-32-B3	Uranium, Total	2	744	0.45
46	200157266	46-31-B3	Uranium, Total	2	744	None
46	200157267	46-32-B3	Uranium, Total	2	744	0.45
47	200157268	47-31-B3	Uranium, Total	2	744	None
47	200157269	47-32-B3	Uranium, Total	2	744	0.45
48	200157270	48-31-B3	Uranium, Total	2	744	None
48	200157271	48-32-B3	Uranium, Total	2	744	0.45
49	200157272	49-31-B3	Uranium, Total	2	744	0.45
50	200157273	50-31-B3	Uranium, Total	2	744	None
51	200157274	51-31-B3	Uranium, Total	2	744	None
32	200158549	32-35-B3	Uranium, Total	2	912	None
32	200158550	32-36-B3	Uranium, Total	2	912	0.45
33	200158551	33-35-B3	Uranium, Total	2	912	None
33	200158552	33-36-B3	Uranium, Total	2	912	0.45

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APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K-Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
34	200158553	34-35-B3	Uranium, Total	2	912	None
34	200158554	34-36-B3	Uranium, Total	2	912	0.45
49	200158555	49-32-B3	Uranium, Total	2	912	0.45
50	200158556	50-32-B3	Uranium, Total	2	912	None
51	200158557	51-32-B3	Uranium, Total	2	912	None
31	200158560	31-37-B3	Uranium, Total	2	912	None
31	200158561	31-38-B3	Uranium, Total	2	912	0.45
35	200158562	35-33-B3	Uranium, Total	2	912	None
35	200158563	35-34-B3	Uranium, Total	2	912	0.45
36	200158564	36-33-B3	Uranium, Total	2	912	None
36	200158565	36-34-B3	Uranium, Total	2	912	0.45
37	200158566	37-33-B3	Uranium, Total	2	912	None
37	200158567	37-34-B3	Uranium, Total	2	912	0.45
38	200158568	38-33-B3	Uranium, Total	2	912	None
38	200158569	38-34-B3	Uranium, Total	2	912	0.45
39	200158570	39-33-B3	Uranium, Total	2	912	None
39	200158571	39-34-B3	Uranium, Total	2	912	0.45
40	200158572	40-33-B3	Uranium, Total	2	912	None
40	200158573	40-34-B3	Uranium, Total	2	912	0.45
41	200158574	41-33-B3	Uranium, Total	2	912	None
41	200158575	41-34-B3	Uranium, Total	2	912	0.45
42	200158576	42-33-B3	Uranium, Total	2	912	None
42	200158577	42-34-B3	Uranium, Total	2	912	0.45
43	200158578	43-33-B3	Uranium, Total	2	912	None
43	200158579	43-34-B3	Uranium, Total	2	912	0.45
44	200158580	44-33-B3	Uranium, Total	2	912	None
44	200158581	44-34-B3	Uranium, Total	2	912	0.45
45	200158582	45-33-B3	Uranium, Total	2	912	None
45	200158583	45-34-B3	Uranium, Total	2	912	0.45
46	200158584	46-33-B3	Uranium, Total	2	912	None
46	200158585	46-34-B3	Uranium, Total	2	912	0.45
47	200158586	47-33-B3	Uranium, Total	2	912	None
47	200158587	47-34-B3	Uranium, Total	2	912	0.45
48	200158588	48-33-B3	Uranium, Total	2	912	None
48	200158589	48-34-B3	Uranium, Total	2	912	0.45
49	200158590	49-33-B3	Uranium, Total	2	912	0.45
50	200158591	50-33-B3	Uranium, Total	2	912	None
51	200158592	51-33-B3	Uranium, Total	2	912	None
37	200160342	37-35-B3	Technetium-99	2	1152	0.45
37	200160342	37-35-B3	Uranium, Total	2	1152	0.45
38	200160343	38-35-B3	Technetium-99	2	1152	0.45
38	200160343	38-35-B3	Uranium, Total	2	1152	0.45
39	200160344	39-35-B3	Technetium-99	2	1152	0.45
39	200160344	39-35-B3	Uranium, Total	2	1152	0.45
40	200160345	40-35-B3	Technetium-99	2	1152	0.45
40	200160345	40-35-B3	Uranium, Total	2	1152	0.45

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APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
41	200160346	41-35-B3	Technetium-99	2	1152	0.45
41	200160346	41-35-B3	Uranium, Total	2	1152	0.45
42	200160347	42-35-B3	Technetium-99	2	1152	0.45
42	200160347	42-35-B3	Uranium, Total	2	1152	0.45
45	200160348	45-35-B3	Technetium-99	2	1152	0.45
45	200160348	45-35-B3	Uranium, Total	2	1152	0.45
46	200160349	46-35-B3	Technetium-99	2	1152	0.45
46	200160349	46-35-B3	Uranium, Total	2	1152	0.45
47	200160350	47-35-B3	Technetium-99	2	1152	0.45
47	200160350	47-35-B3	Uranium, Total	2	1152	0.45
32	200160498	32-37-B3	Uranium, Total	2	1152	None
32	200160499	32-38-B3	Uranium, Total	2	1152	0.45
33	200160500	33-37-B3	Uranium, Total	2	1152	None
33	200160501	33-38-B3	Uranium, Total	2	1152	0.45
34	200160502	34-37-B3	Uranium, Total	2	1152	None
34	200160503	34-38-B3	Uranium, Total	2	1152	0.45
49	200160504	49-34-B3	Uranium, Total	2	1152	0.45
50	200160505	50-34-B3	Uranium, Total	2	1152	None
51	200160506	51-34-B3	Uranium, Total	2	1152	None
31	200160521	31-39-B3	Uranium, Total	2	1152	None
31	200160523	31-40-B3	Uranium, Total	2	1152	4.5
35	200160524	35-35-B3	Uranium, Total	2	1152	None
35	200160525	35-36-B3	Uranium, Total	2	1152	0.45
36	200160526	36-35-B3	Uranium, Total	2	1152	None
36	200160527	36-36-B3	Uranium, Total	2	1152	0.45
37	200160528	37-38-B3	Uranium, Total	2	1152	None
38	200160529	38-38-B3	Uranium, Total	2	1152	None
39	200160530	39-38-B3	Uranium, Total	2	1152	None
40	200160531	40-38-B3	Uranium, Total	2	1152	None
41	200160532	41-38-B3	Uranium, Total	2	1152	None
42	200160533	42-38-B3	Uranium, Total	2	1152	None
43	200160534	43-35-B3	Uranium, Total	2	1152	None
43	200160535	43-36-B3	Uranium, Total	2	1152	0.45
44	200160536	44-35-B3	Uranium, Total	2	1152	None
44	200160537	44-36-B3	Uranium, Total	2	1152	0.45
45	200160538	45-38-B3	Uranium, Total	2	1152	None
46	200160539	46-38-B3	Uranium, Total	2	1152	None
47	200160540	47-38-B3	Uranium, Total	2	1152	None
48	200160541	48-35-B3	Uranium, Total	2	1152	None
48	200160542	48-36-B3	Uranium, Total	2	1152	0.45
49	200160543	49-35-B3	Uranium, Total	2	1152	0.45
50	200160544	50-35-B3	Uranium, Total	2	1152	None
51	200160545	51-35-B3	Uranium, Total	2	1152	None
–	200161212	98-7-B3	Total Dissolved Solid	2	1872	None
–	200161213	98-8-B3	Total Dissolved Solid	2	1872	None
–	200161214	98-9-B3	Total Dissolved Solid	2	1872	None

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
32	200162539	32-39-B3	Uranium, Total	2	1344	None
32	200162540	32-40-B3	Uranium, Total	2	1344	0.45
33	200162541	33-39-B3	Uranium, Total	2	1344	None
33	200162542	33-40-B3	Uranium, Total	2	1344	0.45
34	200162543	34-39-B3	Uranium, Total	2	1344	None
34	200162544	34-40-B3	Uranium, Total	2	1344	0.45
49	200162545	49-36-B3	Uranium, Total	2	1344	0.45
50	200162546	50-36-B3	Uranium, Total	2	1344	None
51	200162547	51-36-B3	Uranium, Total	2	1344	None
31	200162548	31-41-B3	Uranium, Total	2	1344	None
31	200162549	31-42-B3	Uranium, Total	2	1344	0.45
35	200162550	35-37-B3	Uranium, Total	2	1344	None
35	200162551	35-38-B3	Uranium, Total	2	1344	0.45
36	200162552	36-37-B3	Uranium, Total	2	1344	None
36	200162553	36-38-B3	Uranium, Total	2	1344	0.45
43	200162554	43-37-B3	Uranium, Total	2	1344	None
43	200162555	43-38-B3	Uranium, Total	2	1344	0.45
44	200162556	44-37-B3	Uranium, Total	2	1344	None
44	200162557	44-38-B3	Uranium, Total	2	1344	0.45
48	200162558	48-37-B3	Uranium, Total	2	1344	None
48	200162559	48-38-B3	Uranium, Total	2	1344	0.45
49	200162560	49-37-B3	Uranium, Total	2	1344	0.45
50	200162561	50-37-B3	Uranium, Total	2	1344	None
51	200162562	51-37-B3	Uranium, Total	2	1344	None
32	200163667	32-41-B4	Uranium, Total	2	1488	None
32	200163670	32-42-B4	Uranium, Total	2	1488	0.45
33	200163671	33-41-B3	Uranium, Total	2	1488	None
33	200163672	33-42-B3	Uranium, Total	2	1488	0.45
34	200163673	34-41-B3	Uranium, Total	2	1488	None
34	200163674	34-42-B3	Uranium, Total	2	1488	0.45
49	200163675	49-38-B4	Uranium, Total	2	1488	0.45
50	200163676	50-38-B3	Uranium, Total	2	1488	None
51	200163677	51-38-B3	Uranium, Total	2	1488	None
31	200163678	31-43-B4	Uranium, Total	2	1488	None
31	200163679	31-44-B4	Uranium, Total	2	1488	0.45
35	200163680	35-39-B4	Uranium, Total	2	1488	None
35	200163681	35-40-B4	Uranium, Total	2	1488	0.45
36	200163682	36-39-B4	Uranium, Total	2	1488	None
36	200163683	36-40-B4	Uranium, Total	2	1488	0.45
43	200163684	43-39-B4	Uranium, Total	2	1488	None
43	200163685	43-40-B4	Uranium, Total	2	1488	0.45
44	200163686	44-39-B4	Uranium, Total	2	1488	None
44	200163687	44-40-B4	Uranium, Total	2	1488	0.45
48	200163688	48-39-B4	Uranium, Total	2	1488	None
48	200163689	48-40-B4	Uranium, Total	2	1488	0.45
49	200163690	49-39-B4	Uranium, Total	2	1488	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

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K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
50	200163691	50-39-B3	Uranium, Total	2	1488	None
51	200163692	51-39-B3	Uranium, Total	2	1488	None
31	200164730	31-45-B4	Uranium, Total	2	1560	None
31	200164740	31-46-B4	Uranium, Total	2	1560	0.45
33	200164741	33-43-B3	Uranium, Total	2	1560	None
33	200164742	33-44-B3	Uranium, Total	2	1560	0.45
36	200164743	36-41-B4	Uranium, Total	2	1560	None
36	200164744	36-42-B4	Uranium, Total	2	1560	0.45
48	200164745	48-41-B4	Uranium, Total	2	1560	None
48	200164746	48-42-B4	Uranium, Total	2	1560	0.45
49	200164747	49-40-B4	Uranium, Total	2	1560	0.45
50	200164748	50-40-B3	Uranium, Total	2	1560	None
51	200164749	51-40-B3	Uranium, Total	2	1560	None
32	200165252	32-43-B4	Technetium-99	2	1488	0.45
32	200165252	32-43-B4	Uranium, Total	2	1488	0.45
34	200165253	34-43-B4	Technetium-99	2	1488	0.45
34	200165253	34-43-B4	Uranium, Total	2	1488	0.45
35	200165254	35-41-B4	Technetium-99	2	1488	0.45
35	200165254	35-41-B4	Uranium, Total	2	1488	0.45
43	200165255	43-41-B4	Technetium-99	2	1488	0.45
43	200165255	43-41-B4	Uranium, Total	2	1488	0.45
44	200165256	44-41-B4	Technetium-99	2	1488	0.45
44	200165256	44-41-B4	Uranium, Total	2	1488	0.45
32	200165484	32-44-B4	Technetium-99	2	1488	None
32	200165484	32-44-B4	Uranium, Total	2	1488	None
32	200165485	32-45-B4	Technetium-99	2	1488	0.45
32	200165485	32-45-B4	Uranium, Total	2	1488	0.45
34	200165486	34-44-B4	Technetium-99	2	1488	None
34	200165486	34-44-B4	Uranium, Total	2	1488	None
34	200165487	34-45-B4	Technetium-99	2	1488	0.45
34	200165487	34-45-B4	Uranium, Total	2	1488	0.45
35	200165488	35-42-B4	Technetium-99	2	1488	None
35	200165488	35-42-B4	Uranium, Total	2	1488	None
35	200165489	35-43-B4	Technetium-99	2	1488	0.45
35	200165489	35-43-B4	Uranium, Total	2	1488	0.45
37	200165490	37-37-B3	Technetium-99	2	1152	None
37	200165490	37-37-B3	Uranium, Total	2	1152	None
37	200165491	37-36-B3	Technetium-99	2	1152	0.45
37	200165491	37-36-B3	Uranium, Total	2	1152	0.45
38	200165492	38-37-B3	Technetium-99	2	1152	None
38	200165492	38-37-B3	Uranium, Total	2	1152	None
38	200165493	38-36-B3	Technetium-99	2	1152	0.45
38	200165493	38-36-B3	Uranium, Total	2	1152	0.45
39	200165494	39-37-B3	Technetium-99	2	1152	None
39	200165494	39-37-B3	Uranium, Total	2	1152	None
39	200165495	39-36-B3	Technetium-99	2	1152	0.45

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APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
39	200165495	39-36-B3	Uranium, Total	2	1152	0.45
40	200165496	40-37-B3	Technetium-99	2	1152	None
40	200165496	40-37-B3	Uranium, Total	2	1152	None
40	200165497	40-36-B3	Technetium-99	2	1152	0.45
40	200165497	40-36-B3	Uranium, Total	2	1152	0.45
41	200165498	41-37-B3	Technetium-99	2	1152	None
41	200165498	41-37-B3	Uranium, Total	2	1152	None
41	200165499	41-36-B3	Technetium-99	2	1152	0.45
41	200165499	41-36-B3	Uranium, Total	2	1152	0.45
42	200165500	42-37-B3	Technetium-99	2	1152	None
42	200165500	42-37-B3	Uranium, Total	2	1152	None
42	200165501	42-36-B3	Technetium-99	2	1152	0.45
42	200165501	42-36-B3	Uranium, Total	2	1152	0.45
43	200165502	43-42-B4	Technetium-99	2	1488	None
43	200165502	43-42-B4	Uranium, Total	2	1488	None
43	200165503	43-43-B4	Technetium-99	2	1488	0.45
43	200165503	43-43-B4	Uranium, Total	2	1488	0.45
44	200165504	44-42-B4	Technetium-99	2	1488	None
44	200165504	44-42-B4	Uranium, Total	2	1488	None
44	200165505	44-43-B4	Technetium-99	2	1488	0.45
44	200165505	44-43-B4	Uranium, Total	2	1488	0.45
45	200165506	45-37-B3	Technetium-99	2	1152	None
45	200165506	45-37-B3	Uranium, Total	2	1152	None
45	200165507	45-36-B3	Technetium-99	2	1152	0.45
45	200165507	45-36-B3	Uranium, Total	2	1152	0.45
46	200165508	46-37-B3	Technetium-99	2	1152	None
46	200165508	46-37-B3	Uranium, Total	2	1152	None
46	200165509	46-36-B3	Technetium-99	2	1152	0.45
46	200165509	46-36-B3	Uranium, Total	2	1152	0.45
47	200165510	47-37-B3	Technetium-99	2	1152	None
47	200165510	47-37-B3	Uranium, Total	2	1152	None
47	200165511	47-36-B3	Technetium-99	2	1152	0.45
47	200165511	47-36-B3	Uranium, Total	2	1152	0.45
32	200165650	32-47-B4	Technetium-99	2	1488	–
32	200165650	32-47-B4	Uranium, Total	2	1488	–
34	200165651	34-47-B4	Technetium-99	2	1488	–
34	200165651	34-47-B4	Uranium, Total	2	1488	–
35	200165652	35-45-B4	Technetium-99	2	1488	–
35	200165652	35-45-B4	Uranium, Total	2	1488	–
37	200165653	37-40-B3	Technetium-99	2	1152	–
37	200165653	37-40-B3	Uranium, Total	2	1152	–
38	200165654	38-40-B3	Technetium-99	2	1152	–
38	200165654	38-40-B3	Uranium, Total	2	1152	–
39	200165655	39-40-B3	Technetium-99	2	1152	–
39	200165655	39-40-B3	Uranium, Total	2	1152	–
40	200165656	40-40-B3	Technetium-99	2	1152	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_L Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
40	200165656	40-40-B3	Uranium, Total	2	1152	–
41	200165657	41-40-B3	Technetium-99	2	1152	–
41	200165657	41-40-B3	Uranium, Total	2	1152	–
42	200165658	42-40-B3	Technetium-99	2	1152	–
42	200165658	42-40-B3	Uranium, Total	2	1152	–
43	200165659	43-45-B4	Technetium-99	2	1488	–
43	200165659	43-45-B4	Uranium, Total	2	1488	–
44	200165660	44-45-B4	Technetium-99	2	1488	–
44	200165660	44-45-B4	Uranium, Total	2	1488	–
45	200165661	45-40-B3	Technetium-99	2	1152	–
45	200165661	45-40-B3	Uranium, Total	2	1152	–
46	200165662	46-40-B3	Technetium-99	2	1152	–
46	200165662	46-40-B3	Uranium, Total	2	1152	–
47	200165663	47-40-B3	Technetium-99	2	1152	–
47	200165663	47-40-B3	Uranium, Total	2	1152	–
31	200165809	31-47-B4	Uranium, Total	2	1680	None
31	200165810	31-48-B4	Uranium, Total	2	1680	0.45
33	200165811	33-45-B4	Uranium, Total	2	1680	None
33	200165812	33-46-B4	Uranium, Total	2	1680	0.45
36	200165813	36-43-B4	Uranium, Total	2	1680	None
36	200165814	36-44-B4	Uranium, Total	2	1680	0.45
48	200165815	48-43-B4	Uranium, Total	2	1680	None
48	200165816	48-44-B4	Uranium, Total	2	1680	0.45
49	200165817	49-41-B4	Uranium, Total	2	1680	0.45
50	200165818	50-41-B3	Uranium, Total	2	1680	None
51	200165819	51-41-B3	Uranium, Total	2	1680	None
50	200165957	50-42-B3	Technetium-99	2	1680	None
50	200165957	50-42-B3	Uranium, Total	2	1680	None
31	200168040	31-49-B4	Uranium, Total	2	1872	None
31	200168041	31-50-B4	Uranium, Total	2	1872	0.45
33	200168042	33-47-B4	Uranium, Total	2	1872	None
33	200168043	33-48-B4	Uranium, Total	2	1872	0.45
36	200168044	36-45-B4	Uranium, Total	2	1872	None
36	200168045	36-46-B4	Uranium, Total	2	1872	0.45
48	200168046	48-45-B4	Uranium, Total	2	1872	None
48	200168047	48-46-B4	Uranium, Total	2	1872	0.45
49	200168048	49-42-B4	Uranium, Total	2	1872	0.45
50	200168049	50-43-B3	Uranium, Total	2	1872	None
51	200168050	51-42-B3	Uranium, Total	2	1872	None
33	200168051	33-49-B4	Uranium, Total	2	1872	None
33	200168052	33-50-B4	Uranium, Total	2	1872	0.45
49	200168053	49-43-B4	Uranium, Total	2	1872	0.45
50	200168054	50-44-B3	Uranium, Total	2	1872	None
51	200168055	51-43-B3	Uranium, Total	2	1872	None
31	200168460	31-52-B4	Technetium-99	2	1872	0.45
31	200168460	31-52-B4	Uranium, Total	2	1872	0.45

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K-Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
31	200168461	31-53-B4	Technetium-99	2	1872	None
31	200168461	31-53-B4	Uranium, Total	2	1872	None
33	200168462	33-52-B4	Technetium-99	2	1872	0.45
33	200168462	33-52-B4	Uranium, Total	2	1872	0.45
33	200168463	33-53-B4	Technetium-99	2	1872	None
33	200168463	33-53-B4	Uranium, Total	2	1872	None
36	200168464	36-48-B4	Technetium-99	2	1872	0.45
36	200168464	36-48-B4	Uranium, Total	2	1872	0.45
36	200168465	36-49-B4	Technetium-99	2	1872	None
36	200168465	36-49-B4	Uranium, Total	2	1872	None
48	200168466	48-48-B4	Technetium-99	2	1872	0.45
48	200168466	48-48-B4	Uranium, Total	2	1872	0.45
48	200168467	48-49-B4	Technetium-99	2	1872	None
48	200168467	48-49-B4	Uranium, Total	2	1872	None
50	200168468	50-45-B3	Technetium-99	2	1872	None
50	200168468	50-45-B3	Uranium, Total	2	1872	None
51	200168469	51-44-B3	Uranium, Total	2	1872	None
51	200168469	51-44-B3	Technetium-99	2	1872	None
31	200168508	31-51-B4	Technetium-99	2	1872	0.45
31	200168508	31-51-B4	Uranium, Total	2	1488	0.45
33	200168511	33-51-B4	Technetium-99	2	1872	0.45
33	200168511	33-51-B4	Uranium, Total	2	1488	0.45
36	200168512	36-47-B4	Technetium-99	2	1680	0.45
36	200168512	36-47-B4	Uranium, Total	2	1488	0.45
48	200168513	48-47-B4	Technetium-99	2	1680	0.45
48	200168513	48-47-B4	Uranium, Total	2	1488	0.45
31	200168661	31-55-B4	Technetium-99	2	1872	–
31	200168661	31-55-B4	Uranium, Total	2	1872	–
33	200168663	33-55-B4	Technetium-99	2	1872	–
33	200168663	33-55-B4	Uranium, Total	2	1872	–
36	200168664	36-51-B4	Technetium-99	2	1872	–
36	200168664	36-51-B4	Uranium, Total	2	1872	–
48	200168665	48-51-B4	Technetium-99	2	1872	–
48	200168665	48-51-B4	Uranium, Total	2	1872	–
31	200169542	11-1-B4	Uranium, Total	2	1872	None
32	200169543	11-2-B4	Uranium, Total	2	1488	None
33	200169544	11-3-B4	Uranium, Total	2	1872	None
34	200169545	11-4-B4	Uranium, Total	2	1488	None
35	200169546	11-5-B4	Uranium, Total	2	1488	None
36	200169547	11-6-B4	Uranium, Total	2	1872	None
37	200169548	11-7-B4	Uranium, Total	2	1152	None
38	200169549	11-8-B4	Uranium, Total	2	1152	None
39	200169550	11-9-B4	Uranium, Total	2	1152	None
40	200169551	11-10-B4	Uranium, Total	2	1152	None
41	200169552	11-11-B4	Uranium, Total	2	1152	None
42	200169553	11-12-B4	Uranium, Total	2	1152	None

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

K_d Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Size (micron)
43	200169554	11-13-B4	Uranium, Total	2	1488	None
44	200169555	11-14-B4	Uranium, Total	2	1488	None
45	200169556	11-15-B4	Uranium, Total	2	1152	None
46	200169557	11-16-B4	Uranium, Total	2	1152	None
47	200169558	11-17-B4	Uranium, Total	2	1152	None
48	200169559	11-18-B4	Uranium, Total	2	1872	None
31	200169560	11-19-B4	Uranium, Total	2	1872	0.45
32	200169561	11-20-B4	Uranium, Total	2	1488	0.45
33	200169562	11-21-B4	Uranium, Total	2	1872	0.45
34	200169563	11-22-B4	Uranium, Total	2	1488	0.45
35	200169564	11-23-B4	Uranium, Total	2	1488	0.45
36	200169565	11-24-B4	Uranium, Total	2	1872	0.45
37	200169566	11-25-B4	Uranium, Total	2	1152	0.45
38	200169567	11-26-B4	Uranium, Total	2	1152	0.45
39	200169568	11-27-B4	Uranium, Total	2	1152	0.45
40	200169569	11-28-B4	Uranium, Total	2	1152	0.45
41	200169570	11-29-B4	Uranium, Total	2	1152	0.45
42	200169571	11-30-B4	Uranium, Total	2	1152	0.45
43	200169572	12-1-B4	Uranium, Total	2	1488	0.45
44	200169573	12-2-B4	Uranium, Total	2	1488	0.45
45	200169574	12-3-B4	Uranium, Total	2	1152	0.45
46	200169575	12-4-B4	Uranium, Total	2	1152	0.45
47	200169576	12-5-B4	Uranium, Total	2	1152	0.45
48	200169577	12-6-B4	Uranium, Total	2	1872	0.45
31	200169578	12-7-B4	Uranium, Total	2	1872	0.2
32	200169579	12-8-B4	Uranium, Total	2	1488	0.2
33	200169580	12-9-B4	Uranium, Total	2	1872	0.2
34	200169581	12-10-B4	Uranium, Total	2	1488	0.2
35	200169582	12-11-B4	Uranium, Total	2	1488	0.2
36	200169583	12-12-B4	Uranium, Total	2	1872	0.2
37	200169584	12-13-B4	Uranium, Total	2	1152	0.2
38	200169585	12-14-B4	Uranium, Total	2	1152	0.2
39	200169586	12-15-B4	Uranium, Total	2	1152	0.2
40	200169587	12-16-B4	Uranium, Total	2	1152	0.2
41	200169588	12-17-B4	Uranium, Total	2	1152	0.2
42	200169589	12-18-B4	Uranium, Total	2	1152	0.2
43	200169590	12-19-B4	Uranium, Total	2	1488	0.2
44	200169591	12-20-B4	Uranium, Total	2	1488	0.2
45	200169592	12-21-B4	Uranium, Total	2	1152	0.2
46	200169593	12-22-B4	Uranium, Total	2	1152	0.2
47	200169594	12-23-B4	Uranium, Total	2	1152	0.2
48	200169595	12-24-B4	Uranium, Total	2	1872	0.2
–	200170400	12-27-B4	Sulfate	2	1872	–
–	200170410	12-28-B4	Sulfate	2	1872	–
–	200170411	12-25-B4	Aluminum	2	1872	–
–	200170411	12-25-B4	Calcium	2	1872	–

APPENDIX L.5
OU3 LEACHABILITY STUDY CROSSWALK TABLE

KL Sample Number	FACTS ID	SAMPLE ID	PARAMETER	Batch Test	Time of Sample (hr)	Filter Flag (micron)
–	200170411	12-25-B4	Magnesium	2	1872	–
–	200170411	12-25-B4	Potassium	2	1872	–
–	200170411	12-25-B4	Silicon	2	1872	–
–	200170411	12-25-B4	Sodium	2	1872	–
–	200170412	12-26-B4	Aluminum	2	1872	–
–	200170412	12-26-B4	Calcium	2	1872	–
–	200170412	12-26-B4	Magnesium	2	1872	–
–	200170412	12-26-B4	Potassium	2	1872	–
–	200170412	12-26-B4	Silicon	2	1872	–
–	200170412	12-26-B4	Sodium	2	1872	–

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200096819	400409	PAINT	NONE	NORMAL	COMPOSITE	Uranium, Total	9710				ug/g			INORGANICS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Aluminum	7130		7130	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Antimony	47	B	47	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Arsenic	4.1	B	4.1	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Barium	47.1	BE	47.1	UJ	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Beryllium	1.3	B	1.3	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Cadmium	37.3		37.3	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Calcium	485000		485000	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Chromium	29.9		29.9	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Cobalt	697		697	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Copper	99.7	E	99.7	J	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Iron	2700		2700	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Lead	179000	N	179000	J	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Magnesium	6230	E	6230	J	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Manganese	486		486	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Mercury	4		4	J	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Nickel	32.1	B	32.1	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Potassium	1940	U	1940	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Selenium	10.6		10.6	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	UJ	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Sodium	1250000		1250000	R	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Thallium	3.1	U	3.1	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Vanadium	33.6	B	33.6	U	ug/L			ITAS
200101096	2C-006-KL	PAINT	TCLP	NORMAL	GRAB	Zinc	15000		15000	-	ug/L			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Aluminum	13300		13300	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Antimony	147	N	147	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Arsenic	0.86	BWNM	0.86	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Barium	419	N	419	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Beryllium	0.19	B	0.19	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Cadmium	4.1		4.1	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Calcium	75300		75300	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Chromium	222		222	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Cobalt	120		120	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Copper	25.6	E*	25.6	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Iron	21000		21000	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Lead	145000		145000	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Magnesium	2270		2270	NV	mg/kg			ITAS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Manganese	186	N	186	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Mercury	9.2		9.2	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Nickel	18.4		18.4	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Potassium	395	U	395	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Selenium	1	UN	1	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Silver	1.2	B	1.2	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Sodium	197	B	197	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Thallium	3	UEN	3	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Vanadium	5.2	B	5.2	NV	mg/kg			ITAS
200101096	2C-006-KL	PAINT	NONE	NORMAL	GRAB	Zinc	3520		3520	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Aluminum	10300		10300	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Antimony	46.2	U	46.2	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Arsenic	4.2	B	4.2	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Barium	252	E	252	J	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Beryllium	1.5	B	1.5	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Cadmium	370		370	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Calcium	379000		379000	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Chromium	73		73	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Cobalt	67.9		67.9	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Copper	258	E	258	J	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Iron	29600		29600	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Lead	201000	N	201000	J	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Magnesium	8870	E	8870	J	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Manganese	1800		1800	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Mercury	0.1	U	0.1	R	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Nickel	51.8		51.8	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Potassium	1940	U	1940	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Selenium	9.4		9.4	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	UJ	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Sodium	1250000		1250000	R	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Thallium	3.1	U	3.1	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Vanadium	32	B	32	U	ug/L			ITAS
200101099	9E-004-KL	PAINT	TCLP	NORMAL	GRAB	Zinc	12800		12800	-	ug/L			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Aluminum	18200		18200	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Antimony	136	N	136	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Arsenic	14	+N	14	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Barium	136	N	136	NV	mg/kg			ITAS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Beryllium	0.17	B	0.17	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Cadmium	45.5		45.5	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Calcium	23600		23600	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Chromium	2270		2270	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Cobalt	58.3		58.3	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Copper	183	E*	183	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Iron	125000		125000	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Lead	86200		86200	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Magnesium	5780		5780	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Manganese	658	N	658	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Mercury	0.64		0.64	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Nickel	29.3		29.3	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Potassium	672	B	672	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Selenium	1	UWN	1	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Silver	0.76	U	0.76	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Sodium	410	B	410	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Thallium	3.1	UEN	3.1	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Vanadium	0.64	U	0.64	NV	mg/kg			ITAS
200101099	9E-004-KL	PAINT	NONE	NORMAL	GRAB	Zinc	2720		2720	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Aluminum	2490		2490	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Antimony	46.2	U	46.2	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Arsenic	2	U	2	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Barium	56.6	BE	56.6	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Beryllium	1	B	1	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Cadmium	191		191	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Calcium	173000		173000	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Chromium	1120		1120	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Cobalt	590		590	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Copper	335	E	335	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Iron	28600		28600	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Lead	340000	N	340000	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Magnesium	7960	E	7960	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Manganese	1610		1610	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Mercury	0.16	B	0.16	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Nickel	260		260	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Potassium	6720		6720	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Selenium	10.1		10.1	NV	ug/L			ITAS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Sodium	1210000		1210000	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Thallium	3.1	U	3.1	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Vanadium	21.3	B	21.3	NV	ug/L			ITAS
200101100	3A-007R	PAINT	TCLP	NORMAL	GRAB	Zinc	88200		88200	NV	ug/L			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Aluminum	2630		2630	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Antimony	135	N	135	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Arsenic	0.71	BWN	0.71	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Barium	268	N	268	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Beryllium	0.2	B	0.2	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Cadmium	38.7		38.7	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Calcium	26400		26400	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Chromium	7260		7260	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Cobalt	72.2		72.2	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Copper	125	E*	125	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Iron	9950		9950	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Lead	126000		126000	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Magnesium	1780		1780	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Manganese	152	N	152	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Mercury	1.5		1.5	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Nickel	1030		1030	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Potassium	2530		2530	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Selenium	1	UN	1	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Silver	2.3		2.3	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Sodium	606	B	606	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Thallium	3.1	UEN	3.1	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Vanadium	12.5		12.5	NV	mg/kg			ITAS
200101100	3A-007R	PAINT	NONE	NORMAL	GRAB	Zinc	13800		13800	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Aluminum	1070		1070	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Antimony	110		110	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Arsenic	27		27	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Barium	1050000	E	1050000	J	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Beryllium	2.2	B	2.2	U	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Cadmium	3.7	U	3.7	U	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Calcium	1050000		1050000	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Chromium	28.9		28.9	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Cobalt	1110		1110	-	ug/L			ITAS

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Copper	91.1	E	91.1	J	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Iron	24300		24300	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Lead	2900	N	2900	J	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Magnesium	46100	E	46100	J	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Manganese	489		489	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Mercury	0.1	U	0.1	R	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Nickel	79.6		79.6	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Potassium	2100	B	2100	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Selenium	13.2		13.2	R	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	UJ	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Sodium	147000		147000	R	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Thallium	3.1	U	3.1	U	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Vanadium	56.6		56.6	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	TCLP	NORMAL	GRAB	Zinc	455		455	-	ug/L			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Aluminum	4010		4010	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Antimony	9.1	BN	9.1	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Arsenic	0.24	UWN	0.24	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Barium	32800	N	32800	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Beryllium	0.2	B	0.2	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Cadmium	2.9		2.9	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Calcium	43700		43700	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Chromium	32.4		32.4	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Cobalt	93.9		93.9	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Copper	1.1	BE*	1.1	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Iron	65000		65000	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Lead	91.6		91.6	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Magnesium	4020		4020	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Manganese	512	N	512	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Mercury	0.05	U	0.05	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Nickel	22.6		22.6	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Potassium	394	U	394	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Selenium	0.1	UWN	0.1	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Silver	0.75	U	0.75	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Sodium	368	B	368	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Thallium	0.3	UWN	0.3	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Vanadium	0.63	U	0.63	NV	mg/kg			ITAS
200101101	18M-006-KL	PAINT	NONE	NORMAL	GRAB	Zinc	19.1		19.1	NV	mg/kg			ITAS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Aluminum	5400		5400	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Antimony	58.1	B	58.1	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Arsenic	2.9	B	2.9	U	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Barium	1350	E	1350	J	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Beryllium	0.91	B	0.91	U	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Cadmium	52.2		52.2	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Calcium	501000		501000	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Chromium	1350		1350	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Cobalt	310		310	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Copper	349	E	349	J	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Iron	8370		8370	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Lead	20400	N	20400	J	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Magnesium	14000	E	14000	J	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Manganese	1100		1100	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Mercury	0.12	B	0.12	J	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Nickel	139		139	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Potassium	19300		19300	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Selenium	12.2		12.2	U	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	UJ	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Sodium	1370000		1370000	R	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Thallium	5.4	B	5.4	U	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Vanadium	49.1	B	49.1	-	ug/L			ITAS
200101102	66-016-KL	PAINT	TCLP	NORMAL	GRAB	Zinc	74400		74400	-	ug/L			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Aluminum	2680		2680	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Antimony	131	N	131	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Arsenic	15.4	+N	15.4	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Barium	2460	N	2460	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Beryllium	0.67	B	0.67	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Cadmium	14.6		14.6	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Calcium	74500		74500	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Chromium	5720		5720	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Cobalt	126		126	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Copper	239	E*	239	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Iron	109000		109000	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Lead	28000		28000	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Magnesium	2760		2760	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Manganese	707	N	707	NV	mg/kg			ITAS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Mercury	0.78		0.78	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Nickel	72.2		72.2	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Potassium	3170		3170	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Selenium	1	UN	1	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Silver	0.76	U	0.76	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Sodium	2760		2760	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Thallium	3.1	UEN	3.1	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Vanadium	9.2	B	9.2	NV	mg/kg			ITAS
200101102	66-016-KL	PAINT	NONE	NORMAL	GRAB	Zinc	21400		21400	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Aluminum	1410		1410	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Antimony	788		788	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Arsenic	2	U	2	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Barium	406	E	406	J	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Beryllium	2.2	B	2.2	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Cadmium	43.7		43.7	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Calcium	61600		61600	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Chromium	45900		45900	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Cobalt	197		197	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Copper	144	E	144	J	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Iron	269		269	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Lead	1040	N	1040	J	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Magnesium	4740	BE	4740	J	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Manganese	393		393	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Mercury	0.1	U	0.1	R	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Nickel	15.5	U	15.5	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Potassium	21200		21200	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Selenium	7.8		7.8	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Silver	3.7	UN	3.7	UJ	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Sodium	1190000		1190000	R	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Thallium	3.7	B	3.7	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Vanadium	32.5	B	32.5	U	ug/L			ITAS
200101103	9C-005-KL	PAINT	TCLP	NORMAL	GRAB	Zinc	95600		95600	-	ug/L			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Aluminum	6440		6440	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Antimony	62.8	N	62.8	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Arsenic	11.1	SN	11.1	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Barium	361	N	361	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Beryllium	0.2	B	0.2	NV	mg/kg			ITAS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Cadmium	26.2		26.2	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Calcium	19000		19000	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Chromium	6430		6430	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Cobalt	108		108	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Copper	103	E*	103	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Iron	120000		120000	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Lead	39300		39300	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Magnesium	6260		6260	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Manganese	776	N	776	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Mercury	1.1		1.1	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Nickel	33.7		33.7	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Potassium	1500		1500	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Selenium	0.51	UWN	0.51	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Silver	0.75	U	0.75	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Sodium	279	B	279	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Thallium	1.5	UEN	1.5	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Vanadium	0.63	U	0.63	NV	mg/kg			ITAS
200101103	9C-005-KL	PAINT	NONE	NORMAL	GRAB	Zinc	7210		7210	NV	mg/kg			ITAS
200112936	1-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.8				ug/L			INORGANICS
200112941	2-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			INORGANICS
200112942	3-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.1				ug/L			INORGANICS
200112943	4-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.4				ug/L			INORGANICS
200112944	5-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	37				ug/L			INORGANICS
200112945	6-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	140				ug/L			INORGANICS
200112946	7-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	18				ug/L			INORGANICS
200112947	8-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1				ug/L			INORGANICS
200112948	9-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200112949	10-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4				ug/L			INORGANICS
200112950	11-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200112951	12-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200112952	13-1-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	36				ug/L			INORGANICS
200112953	14-1-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200113388	1-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.1				ug/L			INORGANICS
200113389	2-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			INORGANICS
200113390	3-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.1				ug/L			INORGANICS
200113391	4-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6				ug/L			INORGANICS
200113392	5-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18				ug/L			INORGANICS

0063630

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200113393	6-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	86				ug/L			INORGANICS
200113394	7-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.9				ug/L			INORGANICS
200113395	8-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			INORGANICS
200113396	9-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200113397	10-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200113398	11-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200113399	12-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200113400	13-2-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200113401	14-2-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200113420	400394	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	810				ug/g			INORGANICS
200113421	400395	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	995				ug/g			INORGANICS
200113422	400396	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	586				ug/g			INORGANICS
200113423	400402	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	995				ug/g			INORGANICS
200113424	400403	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	1100				ug/g			INORGANICS
200113425	400404	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium, Total	835				ug/g			INORGANICS
200113623	1-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.6				ug/L			INORGANICS
200113624	2-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2				ug/L			INORGANICS
200113625	3-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4				ug/L			INORGANICS
200113626	4-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.9				ug/L			INORGANICS
200113627	5-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16.2				ug/L			INORGANICS
200113628	6-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	77.6				ug/L			INORGANICS
200113629	7-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.8				ug/L			INORGANICS
200113630	8-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7				ug/L			INORGANICS
200113631	9-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200113632	10-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200113633	11-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200113634	12-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200113635	13-3-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	5.6				ug/L			INORGANICS
200113636	14-3-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200113779	1-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7				ug/L			INORGANICS
200113789	2-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8				ug/L			INORGANICS
200113791	3-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.8				ug/L			INORGANICS
200113792	4-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.3				ug/L			INORGANICS
200113793	5-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			INORGANICS
200113794	6-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	57.2				ug/L			INORGANICS
200113795	7-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			INORGANICS
200113796	8-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			INORGANICS

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200113797	9-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200113798	10-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200113799	11-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200113800	12-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200113801	13-4-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200113802	14-4-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200113933	1-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2				ug/L			INORGANICS
200113954	2-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1				ug/L			INORGANICS
200113955	3-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3				ug/L			INORGANICS
200113956	4-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6				ug/L			INORGANICS
200113957	5-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8				ug/L			INORGANICS
200113958	6-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	48.8				ug/L			INORGANICS
200113959	7-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.8				ug/L			INORGANICS
200113960	8-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7				ug/L			INORGANICS
200113961	9-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200113962	10-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4				ug/L			INORGANICS
200113963	11-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200113964	12-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200113965	13-5-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	5.6				ug/L			INORGANICS
200113966	14-5-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200114659	1-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	23				ug/L			INORGANICS
200114660	2-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18.9				ug/L			INORGANICS
200114661	3-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	19.8				ug/L			INORGANICS
200114662	4-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	21.9				ug/L			INORGANICS
200114663	5-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	19				ug/L			INORGANICS
200114664	6-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	60				ug/L			INORGANICS
200114665	7-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	14.8				ug/L			INORGANICS
200114666	8-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.3				ug/L			INORGANICS
200114667	9-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.8				ug/L			INORGANICS
200114668	10-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5				ug/L			INORGANICS
200114669	11-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5				ug/L			INORGANICS
200114670	12-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4				ug/L			INORGANICS
200114671	13-6-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	7.9				ug/L			INORGANICS
200114672	14-6-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	15.6				ug/L			INORGANICS
200114985	1-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	17				ug/L			INORGANICS
200114986	2-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	20				ug/L			INORGANICS
200114987	3-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	23				ug/L			INORGANICS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200114988	4-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16				ug/L			INORGANICS
200114989	5-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16				ug/L			INORGANICS
200114990	6-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	53				ug/L			INORGANICS
200114991	7-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.7				ug/L			INORGANICS
200114992	8-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.8				ug/L			INORGANICS
200114993	9-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5				ug/L			INORGANICS
200114994	10-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.6				ug/L			INORGANICS
200114995	11-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5				ug/L			INORGANICS
200114996	12-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.9				ug/L			INORGANICS
200114997	13-7-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	15				ug/L			INORGANICS
200114998	14-7-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	16		16	NV	ug/L			INORGANICS
200117307	1-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	25				ug/L			INORGANICS
200117310	2-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			INORGANICS
200117311	3-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	20				ug/L			INORGANICS
200117312	4-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15				ug/L			INORGANICS
200117313	5-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	30				ug/L			INORGANICS
200117314	6-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	60				ug/L			INORGANICS
200117315	7-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.9				ug/L			INORGANICS
200117316	8-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.1				ug/L			INORGANICS
200117317	9-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.9				ug/L			INORGANICS
200117318	10-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.6				ug/L			INORGANICS
200117319	11-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.7				ug/L			INORGANICS
200117320	12-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.5				ug/L			INORGANICS
200117321	13-8-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	11				ug/L			INORGANICS
200117322	14-8-94	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	7.1				ug/L			INORGANICS
200117624	1-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15.5				ug/L			INORGANICS
200117626	2-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.9				ug/L			INORGANICS
200117627	3-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.5				ug/L			INORGANICS
200117628	4-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15				ug/L			INORGANICS
200117629	5-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18.8				ug/L			INORGANICS
200117630	6-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	38.5				ug/L			INORGANICS
200117631	7-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.2				ug/L			INORGANICS
200117632	8-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7				ug/L			INORGANICS
200117633	9-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2				ug/L			INORGANICS
200117634	10-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			INORGANICS
200117635	11-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1				ug/L			INORGANICS
200117636	12-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.8				ug/L			INORGANICS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200117637	13-9-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	5				ug/L			INORGANICS
200117638	14-9-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	5.7				ug/L			INORGANICS
200117939	1-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	19.5				ug/L			INORGANICS
200117947	2-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10.7				ug/L			INORGANICS
200117948	3-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12.7				ug/L			INORGANICS
200117949	4-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10				ug/L			INORGANICS
200117950	5-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18.5				ug/L			INORGANICS
200117951	6-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	36.6				ug/L			INORGANICS
200117952	7-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.4				ug/L			INORGANICS
200117953	8-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3				ug/L			INORGANICS
200117954	9-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6				ug/L			INORGANICS
200117955	10-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1				ug/L			INORGANICS
200117956	11-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4				ug/L			INORGANICS
200117957	12-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			INORGANICS
200117958	13-10-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	38.9				ug/L			INORGANICS
200117959	14-10-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	3.8				ug/L			INORGANICS
200118397	14-A-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U			ug/L			INORGANICS
200118398	14-B-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U			ug/L			INORGANICS
200118399	14-C-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U			ug/L			INORGANICS
200118799	10-A-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	21				ug/L			INORGANICS
200118800	10-B-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200118801	10-C-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	3.3				ug/L			INORGANICS
200118855	1-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	17				ug/L			INORGANICS
200118857	2-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5				ug/L			INORGANICS
200118858	3-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.3				ug/L			INORGANICS
200118859	4-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.3				ug/L			INORGANICS
200118860	5-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18				ug/L			INORGANICS
200118861	6-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	33				ug/L			INORGANICS
200118862	7-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7				ug/L			INORGANICS
200118863	8-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200118864	9-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200118865	10-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200118866	11-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1				ug/L			INORGANICS
200118867	12-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200118868	13-11-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	9				ug/L			INORGANICS
200118869	14-11-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	3.3				ug/L			INORGANICS
200118941	1-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6				ug/L			INORGANICS

0063948

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200118970	2-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9				ug/L			INORGANICS
200118971	3-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.2				ug/L			INORGANICS
200118972	4-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2				ug/L			INORGANICS
200118973	5-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10				ug/L			INORGANICS
200118974	6-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	27				ug/L			INORGANICS
200118975	7-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1				ug/L			INORGANICS
200118976	8-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200118977	9-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200118978	10-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200118979	11-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200118980	12-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200118981	13-12-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.9				ug/L			INORGANICS
200118982	14-12-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200119746	1-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1				ug/L			INORGANICS
200119748	2-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200119749	3-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200119750	4-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4				ug/L			INORGANICS
200119751	5-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11.6				ug/L			INORGANICS
200119752	6-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1				ug/L			INORGANICS
200119753	7-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200119754	8-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200119755	9-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200119756	10-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200119757	11-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200119758	12-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200119759	13-13-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2				ug/L			INORGANICS
200119760	14-13-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200120021	1-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200120022	2-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200120023	3-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200120024	4-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200120025	5-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.2				ug/L			INORGANICS
200120026	6-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.6				ug/L			INORGANICS
200120027	7-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200120028	8-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200120029	9-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5				ug/L			INORGANICS
200120030	10-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3				ug/L			INORGANICS

0015952

D-2-12-93

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200120031	11-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200120032	12-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200120033	13-14-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200120034	14-14-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	1				ug/L			INORGANICS
200122824	1-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200122825	2-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200122826	3-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10.1				ug/L			INORGANICS
200122827	4-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.5				ug/L			INORGANICS
200122828	5-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10.9				ug/L			INORGANICS
200122829	6-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	193.8				ug/L			INORGANICS
200122830	7-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4				ug/L			INORGANICS
200122831	8-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4				ug/L			INORGANICS
200122832	9-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2				ug/L			INORGANICS
200122833	10-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			INORGANICS
200122834	11-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8				ug/L			INORGANICS
200122835	12-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4				ug/L			INORGANICS
200122836	1-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200122837	2-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200122838	3-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.4				ug/L			INORGANICS
200122839	4-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6				ug/L			INORGANICS
200122840	5-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14.6				ug/L			INORGANICS
200122841	6-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	706				ug/L			INORGANICS
200122842	7-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7				ug/L			INORGANICS
200122843	8-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.7				ug/L			INORGANICS
200122844	9-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.4				ug/L			INORGANICS
200122845	10-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7				ug/L			INORGANICS
200122846	11-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200122847	12-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4				ug/L			INORGANICS
200123433	400410	PAINT	LEACHATE	NORMAL	COMPOSITE	Uranium, Total	3540				mg/L			INORGANICS
200123439	400410	PAINT	NONE	NORMAL	COMPOSITE	Technetium-99	4.3	U			pCi/g			RADIOCHEMI
200123440	400410	PAINT	NONE	NORMAL	COMPOSITE	Uranium-234	1100				pCi/g			MASS SPECT
200123440	400410	PAINT	NONE	NORMAL	COMPOSITE	Uranium-235	53				pCi/g			MASS SPECT
200123440	400410	PAINT	NONE	NORMAL	COMPOSITE	Uranium-236	2.3	U			pCi/g			MASS SPECT
200123440	400410	PAINT	NONE	NORMAL	COMPOSITE	Uranium-238	1200				pCi/g			MASS SPECT
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Aluminum	470.2				ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Antimony	60	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Arsenic	10	U			ug/L			INORGANICS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Barium	200	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Beryllium	5	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cadmium	5	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Calcium	7552				ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chromium	10	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cobalt	50	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Copper	25	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Iron	100	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Lead	3	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Magnesium	5000	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Manganese	15	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nickel	40	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Potassium	12070				ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Selenium	5	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silver	10	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sodium	9095				ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thallium	10	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Vanadium	50	U			ug/L			INORGANICS
200123581	19-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Zinc	38.1				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Aluminum	455.7				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Antimony	60	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Arsenic	10	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Barium	200	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Beryllium	5	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cadmium	5	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Calcium	5348				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chromium	10	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cobalt	50	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Copper	25	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Iron	100	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Lead	3	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Magnesium	5000	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Manganese	15	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Mercury	0.2	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nickel	40	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Potassium	18100				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Selenium	5	U			ug/L			INORGANICS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silicon	9855				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silver	10	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sodium	9033				ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thallium	10	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Vanadium	50	U			ug/L			INORGANICS
200123591	19-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Zinc	27.6				ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Aluminum	200	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Antimony	60	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Arsenic	10	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Barium	200	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Beryllium	5	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Cadmium	5	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Calcium	5000	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Chromium	10	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Cobalt	50	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Copper	25	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Iron	100	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Lead	3	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Magnesium	5000	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Manganese	70.3				ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Mercury	0.2	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Nickel	40	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Potassium	5000	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Selenium	5	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Silicon	25.7				ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Silver	10	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Sodium	5000	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Thallium	10	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Vanadium	50	U			ug/L			INORGANICS
200123592	19-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Zinc	39.9				ug/L			INORGANICS
200123599	19-6-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Phosphate	1	U			mg/L			WATER TREA
200123600	19-12-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Phosphate	1	U			mg/L			WATER TREA
200123601	19-18-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Phosphate	1	U			mg/L			WATER TREA
200123603	19-2-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chloride	1	U			mg/L			WATER TREA
200123603	19-2-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U			mg/L			WATER TREA
200123604	19-8-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chloride	1	U			mg/L			WATER TREA
200123604	19-8-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U			mg/L			WATER TREA

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200123605	19-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Chloride	1	U			mg/L			WATER TREA
200123605	19-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U			mg/L			WATER TREA
200123613	19-3-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Ammonia	0.1	U			mg/L			INORGANICS
200123613	19-3-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nitrate/Nitrite	8.7				mg/L			INORGANICS
200123614	19-9-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Ammonia	0.1	U			mg/L			INORGANICS
200123614	19-9-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nitrate/Nitrite	0.16				mg/L			INORGANICS
200123615	19-15-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Ammonia	0.3				mg/L			INORGANICS
200123615	19-15-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Nitrate/Nitrite	0.1	U			mg/L			INORGANICS
200123639	19-4-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Total Organic Car	5.7				mg/L			ORGANICS
200123648	19-10-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Total Organic Car	7.2				mg/L			ORGANICS
200123649	19-16-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Total Organic Car	4.2				mg/L			ORGANICS
200123650	19-5-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Fluoride	0.11				mg/L			INORGANICS
200123676	19-11-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Fluoride	0.44				mg/L			INORGANICS
200123677	19-17-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Fluoride	0.04				mg/L			INORGANICS
200123761	19-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-234	0.067				pCi/mL			MASS SPECT
200123761	19-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-235	0.0031				pCi/mL			MASS SPECT
200123761	19-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-236	0.0015				pCi/mL			MASS SPECT
200123761	19-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-238	0.065				pCi/mL			MASS SPECT
200123762	19-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00032				pCi/mL			MASS SPECT
200123762	19-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000017				pCi/mL			MASS SPECT
200123762	19-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000053				pCi/mL			MASS SPECT
200123762	19-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.00047				pCi/mL			MASS SPECT
200123763	19-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.0015				pCi/mL			MASS SPECT
200123763	19-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000059				pCi/mL			MASS SPECT
200123763	19-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.000014				pCi/mL			MASS SPECT
200123763	19-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0015				pCi/mL			MASS SPECT
200123764	19-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00067				pCi/mL			MASS SPECT
200123764	19-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000027				pCi/mL			MASS SPECT
200123764	19-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.00003				pCi/mL			MASS SPECT
200123764	19-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.00067				pCi/mL			MASS SPECT
200123765	19-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00058				pCi/mL			MASS SPECT
200123765	19-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000023				pCi/mL			MASS SPECT
200123765	19-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000016				pCi/mL			MASS SPECT
200123765	19-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.00053				pCi/mL			MASS SPECT
200123766	19-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.0007				pCi/mL			MASS SPECT
200123766	19-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000025				pCi/mL			MASS SPECT
200123766	19-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000021				pCi/mL			MASS SPECT

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200123766	19-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0006				pCi/mL			MASS SPECT
200123767	19-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00056				pCi/mL			MASS SPECT
200123767	19-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000019				pCi/mL			MASS SPECT
200123767	19-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000044				pCi/mL			MASS SPECT
200123767	19-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.00047				pCi/mL			MASS SPECT
200123772	20-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-234	0.0053				pCi/mL			MASS SPECT
200123772	20-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-235	0.00024				pCi/mL			MASS SPECT
200123772	20-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-236	0.00014				pCi/mL			MASS SPECT
200123772	20-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-238	0.0049				pCi/mL			MASS SPECT
200123773	20-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-234	0.28				pCi/mL			MASS SPECT
200123773	20-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-235	0.011				pCi/mL			MASS SPECT
200123773	20-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-236	0.0059				pCi/mL			MASS SPECT
200123773	20-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium-238	0.24				pCi/mL			MASS SPECT
200123774	20-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00089				pCi/mL			MASS SPECT
200123774	20-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.00051				pCi/mL			MASS SPECT
200123774	20-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000024				pCi/mL			MASS SPECT
200123774	20-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0012				pCi/mL			MASS SPECT
200123775	20-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.0017				pCi/mL			MASS SPECT
200123775	20-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000063				pCi/mL			MASS SPECT
200123775	20-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.000003	U			pCi/mL			MASS SPECT
200123775	20-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0016				pCi/mL			MASS SPECT
200123776	20-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.001				pCi/mL			MASS SPECT
200123776	20-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000047				pCi/mL			MASS SPECT
200123776	20-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000047				pCi/mL			MASS SPECT
200123776	20-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0011				pCi/mL			MASS SPECT
200123777	20-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.0005				pCi/mL			MASS SPECT
200123777	20-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000038				pCi/mL			MASS SPECT
200123777	20-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000017	U			pCi/mL			MASS SPECT
200123777	20-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0009				pCi/mL			MASS SPECT
200123779	20-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-234	0.00048				pCi/mL			MASS SPECT
200123779	20-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-235	0.000031				pCi/mL			MASS SPECT
200123779	20-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-236	0.0000019				pCi/mL			MASS SPECT
200123779	20-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium-238	0.0008				pCi/mL			MASS SPECT
200123781	20-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123782	20-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123783	20-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123784	20-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200123785	20-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123786	20-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123787	20-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	45	U			pCi/L			RADIOCHEMI
200123788	20-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123789	20-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123790	20-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123791	20-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123792	20-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123793	20-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123794	20-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123795	20-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123796	20-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123797	20-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123798	20-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123799	20-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123800	20-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123801	20-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	460				pCi/L			RADIOCHEMI
200123802	20-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123823	20-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200123824	20-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	57	U			pCi/L			RADIOCHEMI
200124374	20-37-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4				ug/L			INORGANICS
200124375	20-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7				ug/L			INORGANICS
200124376	20-39-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13.1				ug/L			INORGANICS
200124377	20-40-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.9				ug/L			INORGANICS
200124378	20-41-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	17.2				ug/L			INORGANICS
200124379	20-42-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	308.4				ug/L			INORGANICS
200124380	20-43-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			INORGANICS
200124381	20-44-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5				ug/L			INORGANICS
200124382	20-45-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			INORGANICS
200124383	20-46-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			INORGANICS
200124384	20-47-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			INORGANICS
200124385	20-48-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			INORGANICS
200124386	20-49-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6				ug/L			INORGANICS
200124387	20-50-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200124388	20-51-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			INORGANICS
200124389	20-52-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			INORGANICS
200124390	20-53-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15.1				ug/L			INORGANICS

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Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200124391	20-54-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9				ug/L			INORGANICS
200124392	20-55-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2				ug/L			INORGANICS
200124393	20-56-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7				ug/L			INORGANICS
200124394	20-57-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2	U			ug/L			INORGANICS
200124395	20-58-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			INORGANICS
200124396	20-59-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3				ug/L			INORGANICS
200124397	20-60-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8				ug/L			INORGANICS
200125525	400397	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-234	280				pCi/g			MASS SPECT
200125525	400397	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-235	13				pCi/g			MASS SPECT
200125525	400397	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-236	6.4				pCi/g			MASS SPECT
200125525	400397	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-238	270				pCi/g			MASS SPECT
200125526	400405	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-234	650				pCi/g			MASS SPECT
200125526	400405	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-235	33				pCi/g			MASS SPECT
200125526	400405	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-236	23				pCi/g			MASS SPECT
200125526	400405	CONCRETE	NONE	NORMAL	COMPOSITE	Uranium-238	320				pCi/g			MASS SPECT
200125528	400397	CONCRETE	NONE	NORMAL	COMPOSITE	Technetium-99	17				pCi/g			RADIOCHEMI
200125529	400405	CONCRETE	NONE	NORMAL	COMPOSITE	Technetium-99	5.4				pCi/g			RADIOCHEMI
200127085	21-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.3				ug/L			INORGANICS
200127086	22-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.9				ug/L			INORGANICS
200127087	23-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15.5				ug/L			INORGANICS
200127088	24-1-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	4.7				ug/L			INORGANICS
200127089	25-1-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4				ug/L			INORGANICS
200127090	21-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.2				ug/L			INORGANICS
200127091	22-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.7				ug/L			INORGANICS
200127092	23-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.8				ug/L			INORGANICS
200127219	21-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9				ug/L			LOW LEVEL
200127248	21-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8				ug/L			LOW LEVEL
200127249	22-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6				ug/L			LOW LEVEL
200127250	22-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5				ug/L			LOW LEVEL
200127251	23-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	11				ug/L			LOW LEVEL
200127252	23-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.7				ug/L			LOW LEVEL
200127253	24-2-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	8.9				ug/L			LOW LEVEL
200127254	25-2-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4				ug/L			LOW LEVEL
200127345	21-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6				ug/L			LOW LEVEL
200127346	21-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5				ug/L			LOW LEVEL
200127347	22-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3				ug/L			LOW LEVEL
200127348	22-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9				ug/L			LOW LEVEL

001702

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200127349	23-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9.9				ug/L			LOW LEVEL
200127350	23-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.1				ug/L			LOW LEVEL
200127351	24-3-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.5				ug/L			LOW LEVEL
200127352	25-3-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			LOW LEVEL
200128177	8A-023A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2030		2030	NV	ug/g			INORGANICS
200128178	8A-023A-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	541		541	-	pCi/g		1.3	LOCKHEED
200128178	8A-023A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	1020		1020	J	ug/g		0	LOCKHEED
200128180	8A-026A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	22100		22100	NV	ug/g			INORGANICS
200128181	8A-026A-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	298		298	J	pCi/g		1.6	LOCKHEED
200128181	8A-026A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	5330		5330	J	ug/g		1.1	LOCKHEED
200128183	8A-038A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	7890		7890	NV	ug/g			INORGANICS
200128184	8A-038A-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	366		366	J	pCi/g		1.3	LOCKHEED
200128184	8A-038A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	8540		8540	J	ug/g		1.1	LOCKHEED
200128186	8A-042A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	93190		93190	NV	ug/g			INORGANICS
200128187	8A-042A-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	1130		1130	J	pCi/g		1	LOCKHEED
200128187	8A-042A-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	34600		34600	J	ug/g		0.1	LOCKHEED
200128193	8A-066A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	347		347	NV	ug/g			INORGANICS
200128194	8A-066-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	9.3		9.3	-	pCi/g		1.2	LOCKHEED
200128194	8A-066-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	137		137	J	ug/g		0	LOCKHEED
200128196	9A-010-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	5120		5120	NV	ug/g			INORGANICS
200128197	9A-010-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	410		410	-	pCi/g	34.6	1.89	LOCKHEED
200128197	9A-010-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	8870		8870	J	ug/g		0	LOCKHEED
200128199	9B-007-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	9670		9670	NV	ug/g			INORGANICS
200128200	9B-007-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	135		135	J	pCi/g		1.2	LOCKHEED
200128200	9B-007-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	5390		5390	J	ug/g		0.1	LOCKHEED
200128202	13A-007R-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	254		254	NV	ug/g			INORGANICS
200128203	13A-007R-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	16.5		16.5	-	pCi/g	2.91	1.35	LOCKHEED
200128203	13A-007R-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	771		771	J	ug/g	57.3	0	LOCKHEED
200128205	54A-007-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	87		87	NV	ug/g			INORGANICS
200128206	54A-007-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	1.29		1.3	J	pCi/g	1.41	1.19	LOCKHEED
200128206	54A-007-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	255		255	J	ug/g		0	LOCKHEED
200128223	21-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200128224	21-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200128225	22-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2				ug/L			LOW LEVEL
200128226	22-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			LOW LEVEL
200128227	23-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	11				ug/L			LOW LEVEL
200128228	23-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.7				ug/L			LOW LEVEL

001703

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200128229	24-4-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	7.8				ug/L			LOW LEVEL
200128230	25-4-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200129612	2A-025-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	296		296	NV	ug/g			INORGANICS
200129613	2A-025-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	7.6		7.6	-	pCi/g		1.2	LOCKHEED
200129613	2A-025-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	598		598	J	ug/g		0	LOCKHEED
200129615	2D-009-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	300		300	NV	ug/g			INORGANICS
200129616	2D-009-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	54		54	-	pCi/g			LOCKHEED
200129616	2D-009-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	171		171	J	ug/g			LOCKHEED
200129618	3E-007-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	4070		4070	NV	ug/g			INORGANICS
200129620	3E-007-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	165		165	J	pCi/g		1.4	LOCKHEED
200129620	3E-007-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	3440		3440	J	ug/g		0.1	LOCKHEED
200129622	3J-002A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	126		126	NV	ug/g			INORGANICS
200129623	3J-002A-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	15		15	-	pCi/g		1.4	LOCKHEED
200129623	3J-002A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	169		169	J	ug/g		0	LOCKHEED
200129625	4A-004A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	200		200	NV	ug/g			INORGANICS
200129626	4A-004A-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	13.9		13.9	-	pCi/g	2.68	1.37	LOCKHEED
200129626	4A-004A-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	347		347	J	ug/g		0	LOCKHEED
200129628	5A-003-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2690		2690	NV	ug/g			INORGANICS
200129629	5A-003-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	3.46		3.5	-	pCi/g	1.55	1.13	LOCKHEED
200129629	5A-003-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2070		2070	J	ug/g		0	LOCKHEED
200129631	5A-045-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	1780		1780	NV	ug/g			INORGANICS
200129632	5A-045-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	13.5		13.5	-	pCi/g	2.52	1.22	LOCKHEED
200129632	5A-045-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2290		2290	J	ug/g		0	LOCKHEED
200129634	6A-018-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	28700		28700	NV	ug/g			INORGANICS
200129635	6A-018-KL	PAINT	NONE	NORMAL	GRAB	Technetium-99	1040		1040	J	pCi/g		1.1	LOCKHEED
200129635	6A-018-KL	PAINT	NONE	NORMAL	GRAB	Uranium, Total	51100		51100	J	ug/g		1.2	LOCKHEED
200130039	21-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			LOW LEVEL
200130050	21-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			LOW LEVEL
200130051	22-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200130052	22-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200130053	23-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	10				ug/L			LOW LEVEL
200130054	23-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.4				ug/L			LOW LEVEL
200130055	24-5-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200130056	25-5-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200130999	21-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			LOW LEVEL
200131000	21-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1				ug/L			LOW LEVEL
200131001	22-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3				ug/L			LOW LEVEL

001204

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200131002	22-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			LOW LEVEL
200131003	23-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9.1				ug/L			LOW LEVEL
200131004	23-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.7				ug/L			LOW LEVEL
200131005	24-6-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.1				ug/L			LOW LEVEL
200131006	25-6-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3				ug/L			LOW LEVEL
200131991	21-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4				ug/L			LOW LEVEL
200131992	21-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4				ug/L			LOW LEVEL
200131993	22-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7				ug/L			LOW LEVEL
200131994	22-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6				ug/L			LOW LEVEL
200131995	23-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	5.1				ug/L			LOW LEVEL
200131996	23-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4				ug/L			LOW LEVEL
200131997	24-7-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	5				ug/L			LOW LEVEL
200131998	25-7-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U			ug/L			LOW LEVEL
200132385	21-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6				ug/L			LOW LEVEL
200132386	21-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5				ug/L			LOW LEVEL
200132387	22-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1				ug/L			LOW LEVEL
200132388	22-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8				ug/L			LOW LEVEL
200132389	23-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.7				ug/L			LOW LEVEL
200132390	23-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.2				ug/L			LOW LEVEL
200132391	24-8-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.5				ug/L			LOW LEVEL
200132392	25-8-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1				ug/L			LOW LEVEL
200132760	21-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3				ug/L			LOW LEVEL
200132782	21-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9				ug/L			LOW LEVEL
200132784	22-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8				ug/L			LOW LEVEL
200132785	22-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8				ug/L			LOW LEVEL
200132786	23-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.7				ug/L			LOW LEVEL
200132787	23-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.2				ug/L			LOW LEVEL
200132788	24-9-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.8				ug/L			LOW LEVEL
200132789	25-9-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200134075	21-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			LOW LEVEL
200134076	21-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6				ug/L			LOW LEVEL
200134077	22-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5				ug/L			LOW LEVEL
200134078	22-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3				ug/L			LOW LEVEL
200134079	23-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			LOW LEVEL
200134080	23-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9.7				ug/L			LOW LEVEL
200134081	24-10-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	9.5				ug/L			LOW LEVEL
200134082	25-10-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1				ug/L			LOW LEVEL

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200134530	21-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3				ug/L			LOW LEVEL
200134531	21-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2				ug/L			LOW LEVEL
200134532	22-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			LOW LEVEL
200134533	22-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9				ug/L			LOW LEVEL
200134534	23-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	14				ug/L			LOW LEVEL
200134535	23-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	11				ug/L			LOW LEVEL
200134536	24-11-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.3				ug/L			LOW LEVEL
200134537	25-11-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1				ug/L			LOW LEVEL
200135204	21-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1				ug/L			LOW LEVEL
200135218	21-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9				ug/L			LOW LEVEL
200135219	22-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200135220	22-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5				ug/L			LOW LEVEL
200135221	23-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	16				ug/L			LOW LEVEL
200135222	23-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			LOW LEVEL
200135223	24-12-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	12				ug/L			LOW LEVEL
200135224	25-12-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200136395	23-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15				ug/L			LOW LEVEL
200136398	23-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13				ug/L			LOW LEVEL
200136399	25-13-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200136635	8A-026A-KLD	PAINT	NONE	NORMAL	GRAB	Technetium-99	81.3		81.3	J	pCi/g		1.3	LOCKHEED
200136635	8A-026A-KLD	PAINT	NONE	NORMAL	GRAB	Uranium, Total	2890		2890	J	ug/g		0.1	LOCKHEED
200136639	8A-026A-KLD	PAINT	NONE	NORMAL	GRAB	Uranium, Total	95150		95150	NV	ug/g			INORGANICS
200137742	23-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	16				ug/L			LOW LEVEL
200137743	23-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			LOW LEVEL
200137744	25-14-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200138966	23-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15				ug/L			LOW LEVEL
200138969	23-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	12				ug/L			LOW LEVEL
200138970	25-15-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2				ug/L			LOW LEVEL
200139244	2A-025-KLD	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	24.1		24.1	J	pCi/g		2.6	LOCKHEED
200139244	2A-025-KLD	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	303		303	J	ug/g		0	LOCKHEED
200139451	8A-040-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2650		2650	NV	ug/g			INORGANICS
200139676	23-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	18				ug/L	0.6	0.1	LOW LEVEL
200139677	23-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	16				ug/L	0.5	0.1	LOW LEVEL
200139678	25-16-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1				ug/L	0.02	0.1	LOW LEVEL
200140266	31-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	210		210	NV	ug/L	17	0.1	LOW LEVEL
200140276	31-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	210		210	NV	ug/L	17	0.1	LOW LEVEL
200140277	32-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	18000		18000	NV	ug/L	1400	0.1	LOW LEVEL

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200140278	32-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	18000		18000	NV	ug/L	1400	0.1	LOW LEVEL
200140279	33-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	27000		27000	NV	ug/L	2140	0.1	LOW LEVEL
200140280	33-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	27000		27000	NV	ug/L	2140	0.1	LOW LEVEL
200140281	34-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4300		4300	NV	ug/L	350	0.1	LOW LEVEL
200140282	34-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4100		4100	NV	ug/L	330	0.1	LOW LEVEL
200140283	35-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	460		460	NV	ug/L	36	0.1	LOW LEVEL
200140284	35-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	430		430	NV	ug/L	34	0.1	LOW LEVEL
200140285	36-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2400		2400	NV	ug/L	192	0.1	LOW LEVEL
200140286	36-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2400		2400	NV	ug/L	187	0.1	LOW LEVEL
200140287	37-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L	0.3	0.1	LOW LEVEL
200140288	37-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.6		8.6	NV	ug/L	0.2	0.1	LOW LEVEL
200140289	38-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.9		3.9	NV	ug/L	0.5	0.1	LOW LEVEL
200140290	38-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4		2.4	NV	ug/L	0.3	0.1	LOW LEVEL
200140291	39-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.1		4.1	NV	ug/L	0.5	0.1	LOW LEVEL
200140292	39-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200140293	40-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1		1.1	NV	ug/L	0.2	0.1	LOW LEVEL
200140294	40-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200140295	41-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	0.4	0.1	LOW LEVEL
200140296	41-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	0.3	0.1	LOW LEVEL
200140297	42-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15		15	NV	ug/L	0.4	0.1	LOW LEVEL
200140298	42-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	0.3	0.1	LOW LEVEL
200140299	43-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	690		690	NV	ug/L	55	0.1	LOW LEVEL
200140300	43-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	570		570	NV	ug/L	46	0.1	LOW LEVEL
200140301	44-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	550		550	NV	ug/L	44	0.1	LOW LEVEL
200140302	44-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	390		390	NV	ug/L	31	0.1	LOW LEVEL
200140303	45-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200140304	45-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200140305	46-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	0.4	0.1	LOW LEVEL
200140306	46-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10		10	NV	ug/L	0.3	0.1	LOW LEVEL
200140307	47-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.3		8.3	NV	ug/L	0.2	0.1	LOW LEVEL
200140308	47-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L	0.3	0.1	LOW LEVEL
200140309	48-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3		3	NV	ug/L	0.4	0.1	LOW LEVEL
200140310	48-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200140311	49-1-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	4200		4200	NV	ug/L	334	0.1	LOW LEVEL
200140312	50-1-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200140313	51-1-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U	0.1	NV	ug/L		0.1	LOW LEVEL
200140556	31-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	350		350	NV	ug/L	22	0.1	LOW LEVEL

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200140557	31-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	340		340	NV	ug/L	21	0.1	LOW LEVEL
200140558	32-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	19000		19000	NV	ug/L	1170	0.1	LOW LEVEL
200140559	32-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	18000		18000	NV	ug/L	1130	0.1	LOW LEVEL
200140560	33-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	32000		32000	NV	ug/L	2020	0.1	LOW LEVEL
200140561	33-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	32000		32000	NV	ug/L	2020	0.1	LOW LEVEL
200140562	34-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4000		4000	NV	ug/L	250	0.1	LOW LEVEL
200140563	34-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3800		3800	NV	ug/L	240	0.1	LOW LEVEL
200140564	35-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	390		390	NV	ug/L	24	0.1	LOW LEVEL
200140565	35-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	340		340	NV	ug/L	22	0.1	LOW LEVEL
200140566	36-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2300		2300	NV	ug/L	148	0.1	LOW LEVEL
200140567	36-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2300		2300	NV	ug/L	141	0.1	LOW LEVEL
200140568	37-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	0.3	0.1	LOW LEVEL
200140569	37-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.4		8.4	NV	ug/L	0.2	0.1	LOW LEVEL
200140570	38-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5		6.5	NV	ug/L	0.8	0.1	LOW LEVEL
200140571	38-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	ug/L	0.3	0.1	LOW LEVEL
200140572	39-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1		2.1	NV	ug/L	0.3	0.1	LOW LEVEL
200140573	39-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200140574	40-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200140575	40-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200140576	41-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14		14	NV	ug/L	0.4	0.1	LOW LEVEL
200140577	41-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	0.3	0.1	LOW LEVEL
200140578	42-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18		18	NV	ug/L	0.5	0.1	LOW LEVEL
200140579	42-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15		15	NV	ug/L	0.4	0.1	LOW LEVEL
200140580	43-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	530		530	NV	ug/L	34	0.1	LOW LEVEL
200140581	43-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	520		520	NV	ug/L	32	0.1	LOW LEVEL
200140582	44-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	400		400	NV	ug/L	25	0.1	LOW LEVEL
200140583	44-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	320		320	NV	ug/L	20	0.1	LOW LEVEL
200140584	45-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	ug/L	0.2	0.1	LOW LEVEL
200140585	45-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200140586	46-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9		9	NV	ug/L	0.2	0.1	LOW LEVEL
200140587	46-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.8		6.8	NV	ug/L	0.8	0.1	LOW LEVEL
200140588	47-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	ug/L	0.3	0.1	LOW LEVEL
200140589	47-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L	0.3	0.1	LOW LEVEL
200140590	48-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200140591	48-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200140592	49-2-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	320		320	NV	ug/L	20	0.1	LOW LEVEL
200140593	50-2-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200140594	51-2-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U	0.1	NV	ug/L	0.02	0.1	LOW LEVEL
200142319	32-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	16		16	NV	mg/L			INORGANICS
200142320	33-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	27.2		27.2	NV	mg/L			INORGANICS
200142321	34-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	mg/L			INORGANICS
200142322	35-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200142323	36-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	mg/L			INORGANICS
200142324	43-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	mg/L			INORGANICS
200142325	44-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200142326	50-4-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	1.7		1.7	NV	ug/L			INORGANICS
200142327	51-4-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4		0.4	NV	ug/L			INORGANICS
200142328	32-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15.1		15.1	NV	mg/L			INORGANICS
200142330	33-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	30.4		30.4	NV	mg/L			INORGANICS
200142331	34-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200142332	35-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200142333	36-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	mg/L			INORGANICS
200142334	43-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	mg/L			INORGANICS
200142335	44-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200142336	49-4-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	30.1		30.1	NV	mg/L			INORGANICS
200142371	31-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	950		950	NV	ug/L			LOW LEVEL
200142372	37-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.6		6.6	NV	ug/L			LOW LEVEL
200142373	38-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	ug/L			LOW LEVEL
200142374	39-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200142375	40-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			LOW LEVEL
200142376	41-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.7		9.7	NV	ug/L			LOW LEVEL
200142377	42-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.4		9.4	NV	ug/L			LOW LEVEL
200142378	45-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200142379	46-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	ug/L			LOW LEVEL
200142380	47-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200142381	48-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.1		0.1	NV	ug/L			LOW LEVEL
200142382	49-3-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.5		1.5	NV	ug/L			LOW LEVEL
200142383	31-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	980		980	NV	ug/L			LOW LEVEL
200142384	37-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7.3		7.3	NV	ug/L			LOW LEVEL
200142385	38-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.3		5.3	NV	ug/L			LOW LEVEL
200142386	39-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L			LOW LEVEL
200142387	40-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200142388	41-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14		14	NV	ug/L			LOW LEVEL
200142389	42-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L			LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200142390	45-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200142391	46-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.8		6.8	NV	ug/L			LOW LEVEL
200142392	47-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L			LOW LEVEL
200142393	48-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200142394	50-3-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200142395	51-3-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U	0.1	NV	ug/L			LOW LEVEL
200143186	32-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15.4		15.4	NV	mg/L			INORGANICS
200143187	32-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	15.4		15.4	NV	mg/L			INORGANICS
200143188	33-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	30.6		30.6	NV	mg/L			INORGANICS
200143189	33-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	30.9		30.9	NV	mg/L			INORGANICS
200143190	34-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9		2.9	NV	mg/L			INORGANICS
200143191	34-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6		2.6	NV	mg/L			INORGANICS
200143192	35-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	mg/L			INORGANICS
200143193	35-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200143194	36-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	mg/L			INORGANICS
200143195	36-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	mg/L			INORGANICS
200143196	43-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	mg/L			INORGANICS
200143197	43-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	mg/L			INORGANICS
200143198	44-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	mg/L			INORGANICS
200143199	44-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	mg/L			INORGANICS
200143200	49-6-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	14.7		14.7	NV	mg/L			INORGANICS
200143201	50-6-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	2.2		2.2	NV	ug/L			INORGANICS
200143202	51-6-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			INORGANICS
200143203	31-7-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1100		1100	NV	ug/L			LOW LEVEL
200143204	31-8-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1100		1100	NV	ug/L			LOW LEVEL
200143205	37-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.3		6.3	NV	ug/L			LOW LEVEL
200143206	37-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.2		6.2	NV	ug/L			LOW LEVEL
200143207	38-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.1		8.1	NV	ug/L			LOW LEVEL
200143208	38-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	ug/L			LOW LEVEL
200143209	39-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	ug/L			LOW LEVEL
200143210	39-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L			LOW LEVEL
200143211	40-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L			LOW LEVEL
200143212	40-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200143213	41-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L			LOW LEVEL
200143214	41-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.5		9.5	NV	ug/L			LOW LEVEL
200143215	42-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	39		39	NV	ug/L			LOW LEVEL
200143216	42-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.9		8.9	NV	ug/L			LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200143217	45-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			LOW LEVEL
200143218	45-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200143219	46-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4		4	NV	ug/L			LOW LEVEL
200143220	46-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2		3.2	NV	ug/L			LOW LEVEL
200143221	47-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.2		4.2	NV	ug/L			LOW LEVEL
200143222	47-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L			LOW LEVEL
200143223	48-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			LOW LEVEL
200143224	48-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200143225	49-5-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200143226	50-5-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	1.6		1.6	NV	ug/L			LOW LEVEL
200143227	51-5-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L			LOW LEVEL
200144387	31-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1300		1300	NV	ug/L			LOW LEVEL
200144388	31-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1300		1300	NV	ug/L			LOW LEVEL
200144389	37-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.4		5.4	NV	ug/L			LOW LEVEL
200144390	37-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5		5	NV	ug/L			LOW LEVEL
200144391	38-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L			LOW LEVEL
200144392	38-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	ug/L			LOW LEVEL
200144393	39-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L			LOW LEVEL
200144394	39-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200144395	40-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200144396	40-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200144397	41-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L			LOW LEVEL
200144398	41-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.6		8.6	NV	ug/L			LOW LEVEL
200144399	42-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.8		8.8	NV	ug/L			LOW LEVEL
200144400	42-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7.6		7.6	NV	ug/L			LOW LEVEL
200144401	45-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200144402	45-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200144403	46-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2		3.2	NV	ug/L			LOW LEVEL
200144404	46-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	ug/L			LOW LEVEL
200144405	47-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L			LOW LEVEL
200144406	47-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200144407	48-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200144408	48-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200144409	49-7-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1300		1300	NV	ug/L			LOW LEVEL
200144410	50-7-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200144411	51-7-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L			LOW LEVEL
200144483	32-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	14.9		14.9	NV	mg/L			INORGANICS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200144484	32-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.7		13.7	NV	mg/L			INORGANICS
200144485	33-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	29.7		29.7	NV	mg/L			INORGANICS
200144486	33-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	28.8		28.8	NV	mg/L			INORGANICS
200144487	34-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4		2.4	NV	mg/L			INORGANICS
200144488	34-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	mg/L			INORGANICS
200144489	35-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	232.7		232.7	NV	ug/L			INORGANICS
200144490	35-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	216.8		216.8	NV	ug/L			INORGANICS
200144491	36-9-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	mg/L			INORGANICS
200144492	36-10-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200144493	43-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200144494	43-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200144495	44-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	251		251	NV	ug/L			INORGANICS
200144496	44-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	243		243	NV	ug/L			INORGANICS
200144497	49-8-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200144498	50-8-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.35		0.35	NV	ug/L			INORGANICS
200144499	51-8-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.24		0.24	NV	ug/L			INORGANICS
200145326	32-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.1		13.1	NV	mg/L			INORGANICS
200145327	33-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	29.3		29.3	NV	mg/L			INORGANICS
200145328	34-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	mg/L			INORGANICS
200145329	35-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	210		210	NV	ug/L			INORGANICS
200145330	36-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	689		689	NV	ug/L			INORGANICS
200145331	43-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	504		504	NV	ug/L			INORGANICS
200145332	44-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	247		247	NV	ug/L			INORGANICS
200145333	50-10-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			INORGANICS
200145334	51-10-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200145339	32-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.2		13.2	NV	mg/L			INORGANICS
200145340	33-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	31.8		31.8	NV	mg/L			INORGANICS
200145341	34-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3		2.3	NV	mg/L			INORGANICS
200145342	35-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	201		201	NV	ug/L			INORGANICS
200145343	36-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	381		381	NV	ug/L			INORGANICS
200145344	43-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	512		512	NV	ug/L			INORGANICS
200145345	44-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	249		249	NV	ug/L			INORGANICS
200145346	49-10-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	392		392	NV	ug/L			INORGANICS
200145347	31-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1400		1400	NV	ug/L			LOW LEVEL
200145348	31-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1400		1400	NV	ug/L			LOW LEVEL
200145349	37-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	ug/L			LOW LEVEL
200145350	37-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	ug/L			LOW LEVEL

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200145351	38-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	ug/L			LOW LEVEL
200145352	38-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L			LOW LEVEL
200145353	39-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L			LOW LEVEL
200145354	39-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200145355	40-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L			LOW LEVEL
200145356	40-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200145357	41-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.7		9.7	NV	ug/L			LOW LEVEL
200145358	41-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7.7		7.7	NV	ug/L			LOW LEVEL
200145359	42-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16		16	NV	ug/L			LOW LEVEL
200145360	42-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.9		6.9	NV	ug/L			LOW LEVEL
200145361	45-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200145362	45-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200145363	46-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	ug/L			LOW LEVEL
200145364	46-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3		2.3	NV	ug/L			LOW LEVEL
200145365	47-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L			LOW LEVEL
200145366	47-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200145367	48-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200145368	48-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200145369	49-9-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	3.6		3.6	NV	ug/L			LOW LEVEL
200145370	50-9-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200145371	51-9-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U	0.1	NV	ug/L			LOW LEVEL
200146630	31-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	mg/L			INORGANICS
200146631	31-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	mg/L			INORGANICS
200146632	32-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.3		13.3	NV	mg/L			INORGANICS
200146633	32-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	13.1		13.1	NV	mg/L			INORGANICS
200146634	33-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	28.8		28.8	NV	mg/L			INORGANICS
200146635	33-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	29		29	NV	mg/L			INORGANICS
200146636	34-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9		2.9	NV	mg/L			INORGANICS
200146637	34-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	mg/L			INORGANICS
200146638	35-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	177		177	NV	ug/L			INORGANICS
200146639	35-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L			INORGANICS
200146640	36-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	569		569	NV	ug/L			INORGANICS
200146641	36-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	299		299	NV	ug/L			INORGANICS
200146642	49-12-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	175		175	NV	ug/L			INORGANICS
200146643	50-12-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			INORGANICS
200146644	51-12-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200146646	37-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8		8	NV	ug/L			LOW LEVEL

3 0 0 4 7 4

2 1 2 8

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200146647	37-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	ug/L			LOW LEVEL
200146648	38-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	ug/L			LOW LEVEL
200146649	38-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	ug/L			LOW LEVEL
200146650	39-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L			LOW LEVEL
200146651	39-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200146652	40-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1		1.1	NV	ug/L			LOW LEVEL
200146653	40-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200146654	41-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	23		23	NV	ug/L			LOW LEVEL
200146655	41-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.4		8.4	NV	ug/L			LOW LEVEL
200146656	42-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	54		54	NV	ug/L			LOW LEVEL
200146657	42-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7		7	NV	ug/L			LOW LEVEL
200146658	43-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	600		600	NV	ug/L			LOW LEVEL
200146659	43-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	560		560	NV	ug/L			LOW LEVEL
200146660	44-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	290		290	NV	ug/L			LOW LEVEL
200146661	44-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	260		260	NV	ug/L			LOW LEVEL
200146662	45-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			LOW LEVEL
200146663	45-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200146664	46-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7		7	NV	ug/L			LOW LEVEL
200146665	46-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4		2.4	NV	ug/L			LOW LEVEL
200146666	47-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L			LOW LEVEL
200146667	47-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			LOW LEVEL
200146668	48-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1		1.1	NV	ug/L			LOW LEVEL
200146669	48-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200146670	49-11-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			LOW LEVEL
200146671	50-11-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			LOW LEVEL
200146672	51-11-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L			LOW LEVEL
200148375	31-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200148386	32-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	11.3		11.3	NV	mg/L			INORGANICS
200148387	33-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	26.5		26.5	NV	mg/L			INORGANICS
200148388	34-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	mg/L			INORGANICS
200148389	50-14-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	6		6	NV	ug/L			INORGANICS
200148390	51-14-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	1.2		1.2	NV	ug/L			INORGANICS
200148391	31-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200148392	32-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	10.7		10.7	NV	mg/L			INORGANICS
200148393	33-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	27.3		27.3	NV	mg/L			INORGANICS
200148394	34-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	mg/L			INORGANICS
200148395	49-14-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.6		2.6	NV	mg/L			INORGANICS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200148396	35-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	10	0.1	LOW LEVEL
200148397	35-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	10	0.1	LOW LEVEL
200148398	36-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	540		540	NV	ug/L	34	0.1	LOW LEVEL
200148399	36-16-B3	PAINT	NONE	NORMAL	GRAB	Uranium, Total	330		330	NV	ug/L	21	0.1	LOW LEVEL
200148400	37-15-B3	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L	0.3	0.1	LOW LEVEL
200148401	37-16-B3	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	2.6		2.6	NV	ug/L	0.3	0.1	LOW LEVEL
200148402	38-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4		4	NV	ug/L	0.5	0.1	LOW LEVEL
200148403	38-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	ug/L	0.2	0.1	LOW LEVEL
200148404	39-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	ug/L	0.3	0.1	LOW LEVEL
200148405	39-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200148406	40-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200148407	40-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200148408	41-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	0.4	0.1	LOW LEVEL
200148409	41-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.1		8.1	NV	ug/L	0.3	0.1	LOW LEVEL
200148410	42-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	0.4	0.1	LOW LEVEL
200148411	42-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6		6	NV	ug/L	0.7	0.1	LOW LEVEL
200148412	43-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	530		530	NV	ug/L	33	0.1	LOW LEVEL
200148413	43-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	520		520	NV	ug/L	33	0.1	LOW LEVEL
200148414	44-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	280		280	NV	ug/L	18	0.1	LOW LEVEL
200148415	44-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	260		260	NV	ug/L	16	0.1	LOW LEVEL
200148416	45-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200148417	45-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200148418	46-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L	0.2	0.1	LOW LEVEL
200148419	46-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	ug/L	0.2	0.1	LOW LEVEL
200148420	47-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	ug/L	0.2	0.1	LOW LEVEL
200148421	47-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200148422	48-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200148423	48-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200148424	49-13-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	260		260	NV	ug/L	16	0.1	LOW LEVEL
200148425	50-13-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.02	0.1	LOW LEVEL
200148426	51-13-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.02	0.1	LOW LEVEL
200149524	31-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200149525	31-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1		2.1	NV	mg/L			INORGANICS
200149526	32-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9.8		9.8	NV	mg/L			INORGANICS
200149527	32-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9.7		9.7	NV	mg/L			INORGANICS
200149528	33-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	26.7		26.7	NV	mg/L			INORGANICS
200149529	33-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	26.6		26.6	NV	mg/L			INORGANICS

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200149530	34-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9		2.9	NV	mg/L			INORGANICS
200149531	34-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	mg/L			INORGANICS
200149532	49-15-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200149533	50-15-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			INORGANICS
200149534	51-14-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200150899	31-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	mg/L			INORGANICS
200150902	31-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	mg/L			INORGANICS
200150903	32-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	9		9	NV	mg/L			INORGANICS
200150904	32-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.9		8.9	NV	mg/L			INORGANICS
200150905	33-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	24.8		24.8	NV	mg/L			INORGANICS
200150906	33-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	25.1		25.1	NV	mg/L			INORGANICS
200150907	34-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3		3	NV	mg/L			INORGANICS
200150908	34-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200150909	49-16-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	24.9		24.9	NV	mg/L			INORGANICS
200150910	50-16-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			INORGANICS
200150911	51-16-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200150913	35-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200150915	35-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200150916	36-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	460		460	NV	ug/L	29	0.1	LOW LEVEL
200150917	36-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	320		320	NV	ug/L	20	0.1	LOW LEVEL
200150918	37-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	ug/L	0.3	0.1	LOW LEVEL
200150919	37-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200150920	38-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	ug/L	0.4	0.1	LOW LEVEL
200150921	38-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200150922	39-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200150923	39-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200150924	40-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200150925	40-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200150926	41-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	15		15	NV	ug/L	2	0.1	LOW LEVEL
200150927	41-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5		5	NV	ug/L	0.8	0.1	LOW LEVEL
200150928	42-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	41		41	NV	ug/L	2	0.1	LOW LEVEL
200150929	42-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.3		3.3	NV	ug/L	0.5	0.1	LOW LEVEL
200150930	43-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	540		540	NV	ug/L	34	0.1	LOW LEVEL
200150931	43-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	440		440	NV	ug/L	28	0.1	LOW LEVEL
200150932	44-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	290		290	NV	ug/L	18	0.1	LOW LEVEL
200150933	44-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	230		230	NV	ug/L	18	0.1	LOW LEVEL
200150934	45-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200150935	45-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200150936	46-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	ug/L	0.6	0.1	LOW LEVEL
200150937	46-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200150938	47-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200150939	47-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200150940	48-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200150941	48-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200150942	49-17-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200150943	50-17-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200150944	51-17-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1	U	0.1	NV	ug/L		0.1	LOW LEVEL
200151290	31-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	146		146	NV	ug/L			INORGANICS
200151291	31-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	144		144	NV	ug/L			INORGANICS
200151292	32-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	mg/L			INORGANICS
200151293	32-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	mg/L			INORGANICS
200151294	33-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	mg/L			INORGANICS
200151295	33-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	mg/L			INORGANICS
200151296	34-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	mg/L			INORGANICS
200151297	34-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200151298	49-18-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.1		1.1	NV	mg/L			INORGANICS
200151299	50-18-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			INORGANICS
200151300	51-18-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			INORGANICS
200151301	35-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	100		100	NV	ug/L	12	0.1	LOW LEVEL
200151302	35-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	96		96	NV	ug/L	12	0.1	LOW LEVEL
200151303	36-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	57		57	NV	ug/L	7	0.1	LOW LEVEL
200151304	36-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	49		49	NV	ug/L	6	0.1	LOW LEVEL
200151305	37-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16		16	NV	ug/L	2	0.1	LOW LEVEL
200151306	37-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14		14	NV	ug/L	2	0.1	LOW LEVEL
200151307	38-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	ug/L	0.4	0.1	LOW LEVEL
200151308	38-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	ug/L	0.3	0.1	LOW LEVEL
200151309	39-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200151310	39-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200151311	40-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200151312	40-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200151313	41-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	2	0.1	LOW LEVEL
200151314	41-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.7		5.7	NV	ug/L	0.9	0.1	LOW LEVEL
200151315	42-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18		18	NV	ug/L	2	0.1	LOW LEVEL
200151316	42-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10		10	NV	ug/L	2	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200151317	43-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	18	0.1	LOW LEVEL
200151318	43-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	18	0.1	LOW LEVEL
200151319	44-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	16	0.1	LOW LEVEL
200151320	44-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	13	0.1	LOW LEVEL
200151321	45-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	ug/L	0.3	0.1	LOW LEVEL
200151322	45-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L	0.3	0.1	LOW LEVEL
200151323	46-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.7		6.7	NV	ug/L	0.8	0.1	LOW LEVEL
200151324	46-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.6		6.6	NV	ug/L	0.8	0.1	LOW LEVEL
200151325	47-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200151326	47-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200151327	48-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2		3.2	NV	ug/L	0.5	0.1	LOW LEVEL
200151328	48-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2		3.2	NV	ug/L	0.5	0.1	LOW LEVEL
200151329	49-19-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200151330	50-19-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200151331	51-19-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200151767	31-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	144		144	NV	ug/L			INORGANICS
200151768	31-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	143		143	NV	ug/L			INORGANICS
200151769	32-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200151770	32-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200151771	33-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	mg/L			INORGANICS
200151772	33-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	mg/L			INORGANICS
200151773	34-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	mg/L			INORGANICS
200151774	34-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	mg/L			INORGANICS
200151775	49-20-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200151776	50-20-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			INORGANICS
200151777	51-20-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			INORGANICS
200151778	35-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	99		99	NV	ug/L	12	0.1	LOW LEVEL
200151779	35-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	97		97	NV	ug/L	12	0.1	LOW LEVEL
200151780	36-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	67		67	NV	ug/L	8	0.1	LOW LEVEL
200151781	36-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	59		59	NV	ug/L	7	0.1	LOW LEVEL
200151782	37-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.7		9.7	NV	ug/L	1.5	0.1	LOW LEVEL
200151783	37-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.1		6.1	NV	ug/L	0.9	0.1	LOW LEVEL
200151784	38-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L	0.3	0.1	LOW LEVEL
200151785	38-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L	0.2	0.1	LOW LEVEL
200151786	39-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200151787	39-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200151788	40-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L	0.2	0.1	LOW LEVEL

0015838

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200151789	40-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200151790	41-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.1		6.1	NV	ug/L	0.9	0.1	LOW LEVEL
200151791	41-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.9		5.9	NV	ug/L	0.9	0.1	LOW LEVEL
200151792	42-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10		10	NV	ug/L	1	0.1	LOW LEVEL
200151793	42-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.7		8.7	NV	ug/L	1.3	0.1	LOW LEVEL
200151794	43-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	190		190	NV	ug/L	7	0.1	LOW LEVEL
200151795	43-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	11	0.1	LOW LEVEL
200151796	44-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	16	0.1	LOW LEVEL
200151797	44-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	14	0.1	LOW LEVEL
200151798	45-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	ug/L	0.2	0.1	LOW LEVEL
200151799	45-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	ug/L	0.2	0.1	LOW LEVEL
200151800	46-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.6		5.6	NV	ug/L	0.7	0.1	LOW LEVEL
200151801	46-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.1		5.1	NV	ug/L	0.6	0.1	LOW LEVEL
200151802	47-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200151803	47-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200151804	48-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5		6.5	NV	ug/L	0.8	0.1	LOW LEVEL
200151805	48-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.5		6.5	NV	ug/L	0.8	0.1	LOW LEVEL
200151806	49-21-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	5.2		5.2	NV	ug/L	0.8	0.1	LOW LEVEL
200151807	50-21-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200151808	51-21-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200153593	31-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	mg/L			INORGANICS
200153594	31-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	mg/L			INORGANICS
200153595	32-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	mg/L			INORGANICS
200153596	32-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	mg/L			INORGANICS
200153597	33-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	mg/L			INORGANICS
200153598	33-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6		2.6	NV	mg/L			INORGANICS
200153599	34-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1		2.1	NV	mg/L			INORGANICS
200153600	34-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1		2.1	NV	mg/L			INORGANICS
200153601	49-22-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200153602	50-22-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	mg/L			INORGANICS
200153603	51-22-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			INORGANICS
200153604	35-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	3	0.1	LOW LEVEL
200153606	35-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	3	0.1	LOW LEVEL
200153607	36-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200153608	36-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200153609	37-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.2		3.2	NV	ug/L	0.5	0.1	LOW LEVEL
200153610	37-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	ug/L	0.5	0.1	LOW LEVEL

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200153611	38-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	ug/L	0.2	0.1	LOW LEVEL
200153612	38-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200153613	39-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200153614	39-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.05	0.1	LOW LEVEL
200153615	40-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200153616	40-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200153617	41-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.4		9.4	NV	ug/L	1.4	0.1	LOW LEVEL
200153618	41-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.1		6.1	NV	ug/L	0.9	0.1	LOW LEVEL
200153619	42-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	2	0.1	LOW LEVEL
200153620	42-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.9		5.9	NV	ug/L	0.9	0.1	LOW LEVEL
200153621	43-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	200		200	NV	ug/L	5	0.1	LOW LEVEL
200153622	43-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	190		190	NV	ug/L	5	0.1	LOW LEVEL
200153623	44-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	4	0.1	LOW LEVEL
200153624	44-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	4	0.1	LOW LEVEL
200153625	45-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200153626	45-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200153627	46-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200153628	46-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.9		0.9	NV	ug/L	0.1	0.1	LOW LEVEL
200153629	47-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200153630	47-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200153631	48-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	23		23	NV	ug/L	2	0.1	LOW LEVEL
200153632	48-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	22		22	NV	ug/L	1.4	0.1	LOW LEVEL
200153633	49-23-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200153634	50-23-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200153635	51-23-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.02	0.1	LOW LEVEL
200153711	76-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	95.9		95.9	U	pCi/L	13.5	6.2	LOCKHEED
200153711	76-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2370		2370	-	ug/L	139	1.99	LOCKHEED
200153713	76-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	599		599	-	pCi/L	52.2	5.72	LOCKHEED
200153713	76-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8800		8800	-	ug/L	516	7.95	LOCKHEED
200153714	76-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	1000		1000	-	pCi/L	83.3	5.74	LOCKHEED
200153714	76-17-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	26300		26300	-	ug/L	1540	39.8	LOCKHEED
200153715	76-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	1340		1340	-	pCi/L		6.51	LOCKHEED
200153715	76-18-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3570		3570	-	ug/L	209	3.98	LOCKHEED
200153716	76-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	109		109	-	pCi/L	14.6	6.31	LOCKHEED
200153716	76-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	142		142	-	ug/L	8.33	0.1	LOCKHEED
200153717	76-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	106		106	-	pCi/L	14.2	6.1	LOCKHEED
200153717	76-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	524		524	-	ug/L	30.8	3.98	LOCKHEED

0012720

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200153718	76-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	80.6		80.6	-	pCi/L	12.1	5.99	LOCKHEED
200153718	76-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2410		2410	-	ug/L	142	3.98	LOCKHEED
200153719	76-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	485		486	-	pCi/L		5.4	LOCKHEED
200153719	76-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8710		8710	-	ug/L	511	7.95	LOCKHEED
200153720	76-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	1000		1000	-	pCi/L	83.5	5.72	LOCKHEED
200153720	76-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	26400		26400	-	ug/L	1550	39.8	LOCKHEED
200153721	76-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	899		899	-	pCi/L	75.2	5.45	LOCKHEED
200153721	76-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3570		3570	-	ug/L	209	3.98	LOCKHEED
200153722	76-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	129		129	-	pCi/L	16.2	6.37	LOCKHEED
200153722	76-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	199		199	-	ug/L	11.7	0.398	LOCKHEED
200153723	76-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	126		126	-	pCi/L	17.8	8.64	LOCKHEED
200153723	76-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	172		172	-	ug/L	10.1	0.398	LOCKHEED
200153724	76-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	13		13	J	pCi/L	6.63	5.6	LOCKHEED
200153724	76-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	63.9		63.9	-	ug/L	3.75	0.398	LOCKHEED
200153725	76-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	60.9		60.9	-	pCi/L	10.6	5.93	LOCKHEED
200153725	76-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	52.9		52.9	-	ug/L	2.73	3.98	LOCKHEED
200153726	77-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	50.7		50.7	-	pCi/L		6.29	LOCKHEED
200153726	77-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	62.8		62.8	-	ug/L	3.68	0.398	LOCKHEED
200153727	77-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	918		918	-	pCi/L	76.8	5.54	LOCKHEED
200153727	77-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	10.4		10.4	-	ug/L	0.615	0.398	LOCKHEED
200153728	77-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	532		532	-	pCi/L	47.5	6.35	LOCKHEED
200153728	77-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	72.7		72.7	-	ug/L	4.26	0.398	LOCKHEED
200153729	77-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	1060		1060	-	pCi/L	87.3	5.37	LOCKHEED
200153729	77-4-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	103		103	-	ug/L	6.04	0.398	LOCKHEED
200153730	77-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	12900		12900	-	pCi/L	1010	6.74	LOCKHEED
200153730	77-5-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1060		1060	-	ug/L	61.9	3.98	LOCKHEED
200153731	77-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	3030		3030	-	pCi/L	241	5.31	LOCKHEED
200153731	77-6-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	761		761	-	ug/L	44.6	1.99	LOCKHEED
200153732	77-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	50.1		50.1	-	pCi/L	9.73	5.88	LOCKHEED
200153732	77-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.61		4.6	-	ug/L	0.238	0.397	LOCKHEED
200153733	77-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	72.7		72.7	U	pCi/L	11.8	6.2	LOCKHEED
200153733	77-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	132		132	-	ug/L	7.77	0.397	LOCKHEED
200153734	77-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	13.3		13.3	J	pCi/L	6.97	6.07	LOCKHEED
200153734	77-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.97		10	-	ug/L	0.589	0.397	LOCKHEED
200153735	77-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	14.5		14.5	-	pCi/L	7.22	6.28	LOCKHEED
200153735	77-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	22.5		22.5	-	ug/L	1.32	0.397	LOCKHEED
200153736	77-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	9.62		9.6	J	pCi/L	6.49	5.78	LOCKHEED

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200153736	77-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14.6		14.6	-	ug/L	0.856	0.397	LOCKHEED
200153737	77-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	53.3		53.3	-	pCi/L	10.1	6.04	LOCKHEED
200153737	77-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	-	ug/L		0.397	LOCKHEED
200153738	77-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	44.7		44.8	-	pCi/L	9.57	6.21	LOCKHEED
200153738	77-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	7.09		7.1	-	ug/L	0.366	0.397	LOCKHEED
200153739	77-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	963		963	-	pCi/L	80.8	5.73	LOCKHEED
200153739	77-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.88		4.9	-	ug/L	0.252	0.397	LOCKHEED
200153740	77-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	493		493	-	pCi/L	45.4	7.01	LOCKHEED
200153740	77-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	9.02		9	-	ug/L	0.467	0.397	LOCKHEED
200153741	77-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	982		982	-	pCi/L	82.2	5.72	LOCKHEED
200153741	77-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.38		6.4	-	ug/L		0.397	LOCKHEED
200153742	77-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	11600		11600	-	pCi/L	905	5.77	LOCKHEED
200153742	77-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	402		402	-	ug/L	23.6	1.99	LOCKHEED
200153743	77-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	3520		3520	-	pCi/L		6.17	LOCKHEED
200153743	77-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	204		204	-	ug/L		1.99	LOCKHEED
200153744	77-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	57.2		57.2	-	pCi/L	9.98	5.5	LOCKHEED
200153744	77-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.92		3.9	-	ug/L	0.203	0.397	LOCKHEED
200153745	77-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	77.6		77.6	-	pCi/L	12.5	6.63	LOCKHEED
200153745	77-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.32		2.3	-	ug/L		0.397	LOCKHEED
200153746	77-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	6.64		6.6	J	pCi/L	6.09	5.48	LOCKHEED
200153746	77-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.97		8.97	-	ug/L	0.463	0.397	LOCKHEED
200153747	77-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	17.5		17.5	-	pCi/L		6.08	LOCKHEED
200153747	77-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.03		1	-	ug/L	0.0535	0.397	LOCKHEED
200153748	77-23-B3	DI WATER	NONE	FIELD BLANK	GRAB	Technetium-99	2.65		2.65	NV	pCi/L			LOCKHEED
200153748	77-23-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.0252		0.4	UJ	ug/L		0.397	LOCKHEED
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Aluminum	1120		1120	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Antimony	25.8	U	25.8	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Arsenic	1.9	U	1.9	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Barium	71.1	B	71.1	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Beryllium	0.22	U	0.22	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cadmium	1.3	U	1.3	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Calcium	86400		86400	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chromium	6.7	B	6.7	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cobalt	4.6	U	4.6	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Copper	4.2	B	4.2	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Iron	414		414	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Lead	3.6		3.6	U	ug/L			DATACHEM

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Magnesium	2590	B	2590	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Manganese	19.6		19.6	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Mercury	0.1	U	0.1	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Molybdenum	20.4	B	20.4	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nickel	10.2	U	10.2	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Potassium	22800		22800	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Selenium	1.9	U	1.9	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silicon	6090		6090	J	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silver	3.4	U	3.4	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sodium	18800		18800	-	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thallium	2.3	U	2.3	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Vanadium	2.3	B	2.3	U	ug/L			DATACHEM
200153753	76-1-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Zinc	11	B	11	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Aluminum	548		548	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Antimony	25.8	U	25.8	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Arsenic	1.9	U	1.9	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Barium	37.8	B	37.8	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Beryllium	0.22	U	0.22	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Cadmium	4.1	B	4.1	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Calcium	17100		17100	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Chromium	12.9		12.9	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Cobalt	11.2	B	11.2	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Copper	50.2		50.2	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Iron	190		190	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Lead	612		612	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Magnesium	4720	B	4720	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Manganese	109		109	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Mercury	0.1	U	0.1	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Molybdenum	10.2	U	10.2	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Nickel	24.6	B	24.6	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Potassium	1870	B	1870	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Selenium	3.3	B	3.3	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Silicon	848		848	R	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Silver	3.4	U	3.4	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Sodium	2970	B	2970	-	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Thallium	3	B	3	U	ug/L			DATACHEM
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Vanadium	2.1	U	2.1	U	ug/L			DATACHEM

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200153754	76-8-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Zinc	2160		2160	-	ug/L			DATACHEM
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Cesium-137	0.546		0.546	NV	pCi/L	1.71	2.85	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Neptunium-237	-0.0186		-0.0186	NV	pCi/L	0.153	0.366	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Plutonium-238	-3.47		-3.47	NV	pCi/L	5.85	9.69	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Plutonium-239/24	0.519		0.519	NV	pCi/L	2.85	4.55	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Radium-226	1.89		1.89	NV	pCi/L	0.431	0.143	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Radium-228	3.25		3.25	NV	pCi/L	0.791	0.721	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Strontium-90	-0.0245		-0.0245	NV	pCi/L	0.752	0.89	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thorium-228	0.829		0.829	NV	pCi/L	0.532	0.633	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thorium-230	0.857		0.857	NV	pCi/L	0.261	0.177	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Thorium-232	0.856		0.856	NV	pCi/L	0.265	0.211	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Uranium-234	68.7		68.7	NV	pCi/L	11.8	5.68	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Uranium-235/236	3.19		3.19	NV	pCi/L	3.05	3.28	LOCKHEED
200153755	76-7-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Uranium-238	56.4		56.4	NV	pCi/L	10	4.54	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Cesium-137	0.254		0.254	NV	pCi/L	1.74	2.98	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Neptunium-237	7.69		7.69	NV	pCi/L	1.21	0.255	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Plutonium-238	-4.45		-4.45	NV	pCi/L	29.1	43.9	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Plutonium-239/24	16.3		16.3	NV	pCi/L	16.3	19.8	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Radium-226	0.443		0.443	NV	pCi/L	0.256	0.282	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Radium-228	1.62		1.62	NV	pCi/L	0.698	0.742	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Strontium-90	0.928		0.928	NV	pCi/L	0.797	0.913	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Thorium-228	1.26		1.26	NV	pCi/L	0.522	0.544	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Thorium-230	4.83		4.83	NV	pCi/L	0.832	0.375	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Thorium-232	1.12		1.12	NV	pCi/L	0.34	0.244	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Uranium-234	2550		2550	NV	pCi/L	274	34.4	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Uranium-235/236	317		317	NV	pCi/L	56	17.5	LOCKHEED
200153756	76-14-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Uranium-238	2420		2420	NV	pCi/L	260	21.4	LOCKHEED
200153757	8A-040-KL	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	196		196	-	pCi/g	17	1.31	LOCKHEED
200153757	8A-040-KL	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	1310		1310	J	ug/g		0	LOCKHEED
200154159	31-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	245		245	NV	ug/L			INORGANICS
200154160	31-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	231		231	NV	ug/L			INORGANICS
200154161	32-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200154162	32-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.6		1.6	NV	mg/L			INORGANICS
200154163	33-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200154164	33-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200154165	34-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.1		2.1	NV	mg/L			INORGANICS
200154166	34-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200154167	49-24-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	239		239	NV	ug/L			INORGANICS
200154440	40-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	ug/L	0.3	0.1	LOW LEVEL
200154441	40-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200154442	41-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4		4.4	NV	ug/L	0.7	0.1	LOW LEVEL
200154443	41-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.3		4.3	NV	ug/L	0.6	0.1	LOW LEVEL
200154444	42-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.2		4.2	NV	ug/L	0.6	0.1	LOW LEVEL
200154445	42-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	ug/L	0.6	0.1	LOW LEVEL
200154446	43-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	4	0.1	LOW LEVEL
200154447	43-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	4	0.1	LOW LEVEL
200154448	44-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	14	0.1	LOW LEVEL
200154449	44-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	14	0.1	LOW LEVEL
200154450	45-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154451	45-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154452	46-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200154453	46-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200154454	47-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154455	47-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200154456	48-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	27		27	NV	ug/L	2	0.1	LOW LEVEL
200154457	48-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	28		28	NV	ug/L	2	0.1	LOW LEVEL
200154458	49-25-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	4.2		4.2	NV	ug/L	0.6	0.1	LOW LEVEL
200154459	50-25-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154460	35-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	12	0.1	LOW LEVEL
200154461	35-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	12	0.1	LOW LEVEL
200154462	36-25-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	100		100	NV	ug/L	12	0.1	LOW LEVEL
200154463	36-26-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	96		96	NV	ug/L	12	0.1	LOW LEVEL
200154464	37-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.5		2.5	NV	ug/L	0.4	0.1	LOW LEVEL
200154465	37-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3		2.3	NV	ug/L	0.3	0.1	LOW LEVEL
200154466	38-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L	0.2	0.1	LOW LEVEL
200154467	38-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200154468	39-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200154469	39-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200154470	51-25-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0	U	0	NV	ug/L		0.1	LOW LEVEL
200154476	78-11-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200154477	78-12-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	8.8		8.8	NV	mg/L			INORGANICS
200154478	78-13-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	23.9		23.9	NV	mg/L			INORGANICS
200154479	78-14-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.4		3.4	NV	mg/L			INORGANICS
200154480	78-15-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	157		157	NV	ug/L			INORGANICS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200154481	78-16-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	503		503	NV	ug/L			INORGANICS
200154482	78-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	490		490	NV	ug/L	39	0.1	LOW LEVEL
200154483	78-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	10	0.1	LOW LEVEL
200154484	78-19-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	88		88	NV	ug/L	7	0.1	LOW LEVEL
200154485	78-20-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L	2	0.1	INORGANICS
200154486	78-21-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200154487	78-22-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200154488	78-23-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1100		1100	NV	ug/L	88	0.1	LOW LEVEL
200154489	78-24-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	990		990	NV	ug/L	79	0.1	LOW LEVEL
200154490	78-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.7		4.7	NV	ug/L	0.7	0.1	LOW LEVEL
200154491	78-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	480		480	NV	ug/L	38	0.1	LOW LEVEL
200154492	78-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	42		42	NV	ug/L	3	0.1	LOW LEVEL
200154493	78-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	83		83	NV	ug/L	7	0.1	LOW LEVEL
200154494	97-1-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200154495	97-2-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	6.4		6.4	NV	mg/L			INORGANICS
200154496	97-3-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	23.1		23.1	NV	mg/L			INORGANICS
200154497	97-4-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9		2.9	NV	mg/L			INORGANICS
200154498	97-5-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	121		121	NV	ug/L			INORGANICS
200154499	97-6-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	271		271	NV	ug/L			INORGANICS
200154500	97-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154501	97-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	ug/L	0.3	0.1	LOW LEVEL
200154502	97-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154503	97-10-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	INORGANICS
200154504	97-11-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.1		4.1	NV	ug/L	0.6	0.1	LOW LEVEL
200154505	97-12-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	ug/L	0.2	0.1	INORGANICS
200154506	97-13-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	460		460	NV	ug/L	37	0.1	LOW LEVEL
200154507	97-14-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	240		240	NV	ug/L	19	0.1	LOW LEVEL
200154508	97-15-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200154509	97-16-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6.8		6.8	NV	ug/L	1	0.1	LOW LEVEL
200154510	97-17-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200154511	97-18-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.3		5.3	NV	ug/L	0.8	0.1	LOW LEVEL
200154512	97-19-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200154513	97-20-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	7.6		7.6	NV	mg/L			INORGANICS
200154514	97-21-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	21.7		21.7	NV	mg/L			INORGANICS
200154515	97-22-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	mg/L			INORGANICS
200154516	97-23-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	118		118	NV	ug/L			INORGANICS
200154517	97-24-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	174		174	NV	ug/L			INORGANICS

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Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200154518	97-25-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200154519	97-26-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	ug/L	0.3	0.1	LOW LEVEL
200154520	97-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200154521	97-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200154522	97-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4		4	NV	ug/L	0.6	0.1	LOW LEVEL
200154523	97-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	ug/L	0.2	0.1	LOW LEVEL
200154524	97-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	450		450	NV	ug/L	36	0.1	LOW LEVEL
200154525	97-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	240		240	NV	ug/L	19	0.1	LOW LEVEL
200154526	97-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200154527	98-1-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	6		6	NV	ug/L	0.9	0.1	LOW LEVEL
200154528	98-2-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154529	98-3-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.2		5.2	NV	ug/L	0.8	0.1	INORGANICS
200154889	32-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.4		1.4	NV	mg/L			INORGANICS
200154890	32-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.3		1.3	NV	mg/L			INORGANICS
200154891	33-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200154892	33-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	mg/L			INORGANICS
200154893	34-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200154894	34-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200154895	49-26-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.6		2.6	NV	mg/L			INORGANICS
200154896	50-26-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.65		0.65	NV	ug/L			INORGANICS
200154897	51-26-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200154898	31-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	290		290	NV	ug/L	18	0.1	LOW LEVEL
200154899	31-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	280		280	NV	ug/L	22	0.1	LOW LEVEL
200154900	35-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200154901	35-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200154902	36-27-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	8	0.1	LOW LEVEL
200154903	36-28-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200154904	37-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3		3	NV	ug/L	0.5	0.1	LOW LEVEL
200154905	37-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.6		2.6	NV	ug/L	0.4	0.1	LOW LEVEL
200154906	38-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.2		1.2	NV	ug/L	0.2	0.1	LOW LEVEL
200154907	38-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200154908	39-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200154909	39-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200154910	40-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200154911	40-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200154912	41-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.4		4.4	NV	ug/L	0.7	0.1	LOW LEVEL
200154913	41-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.1		4.1	NV	ug/L	0.6	0.1	LOW LEVEL

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200154914	42-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	14		14	NV	ug/L	2	0.1	LOW LEVEL
200154915	42-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.8		3.8	NV	ug/L	0.6	0.1	LOW LEVEL
200154916	43-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	11	0.1	LOW LEVEL
200154917	43-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	11	0.1	LOW LEVEL
200154918	44-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	10	0.1	LOW LEVEL
200154919	44-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200154920	45-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	ug/L	0.5	0.1	LOW LEVEL
200154921	45-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154922	46-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200154923	46-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200154924	47-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200154925	47-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200154926	48-27-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	32		32	NV	ug/L	4	0.1	LOW LEVEL
200154927	48-28-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	31		31	NV	ug/L	4	0.1	LOW LEVEL
200154928	49-27-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200154929	50-27-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200154930	51-27-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200155214	76-2-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Chloride	16.6		16.6	NV	mg/L			WATER TREA
200155214	76-2-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U	1	NV	mg/L			WATER TREA
200155215	76-3-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Ammonia	0.26		0.26	NV	mg/L			INORGANICS
200155215	76-3-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Nitrate	63.3		63.3	NV	mg/L			INORGANICS
200155216	76-4-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Total Inorganic Ca	4.1				mg/L			ORGANICS
200155216	76-4-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Total Organic Car	7.2		7.2	NV	mg/L			ORGANICS
200155217	76-5-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Fluoride	0.79		0.79	NV	mg/L			INORGANICS
200155218	76-6-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Phosphate	0.1	U	0.1	NV	mg/L			WATER TREA
200155219	76-9-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Chloride	1	U	1	NV	mg/L			WATER TREA
200155219	76-9-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Sulfate	38.8		38.8	NV	mg/L			WATER TREA
200155220	76-10-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Ammonia	3.69		3.69	NV	mg/L			INORGANICS
200155220	76-10-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Nitrate	25.3		25.3	NV	mg/L			INORGANICS
200155221	76-11-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Total Inorganic Ca	1				mg/L			ORGANICS
200155221	76-11-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Total Organic Car	7.9		7.9	NV	mg/L			ORGANICS
200155222	76-12-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Fluoride	8		8	NV	mg/L			INORGANICS
200155223	76-13-B3	PAINT	LEACHATE	NORMAL	COMPOSITE	Phosphate	0.12		0.12	NV	mg/L			WATER TREA
200155888	32-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200155889	32-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	mg/L			INORGANICS
200155890	33-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	mg/L			INORGANICS
200155891	33-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	mg/L			INORGANICS

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200155892	34-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200155893	34-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200155894	49-28-B3	PAINT	LEACHATE	FIELD BLANK	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200155895	50-28-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			INORGANICS
200155896	51-28-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200155897	31-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	320		320	NV	ug/L	25	0.1	LOW LEVEL
200155898	31-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	310		310	NV	ug/L	25	0.1	LOW LEVEL
200155899	35-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	13	0.1	LOW LEVEL
200155900	35-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	13	0.1	LOW LEVEL
200155901	36-29-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200155902	36-30-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200155903	37-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	17		17	NV	ug/L	2	0.1	LOW LEVEL
200155904	37-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4		2.4	NV	ug/L	0.4	0.1	LOW LEVEL
200155905	38-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.1		1.1	NV	ug/L	0.2	0.1	LOW LEVEL
200155906	38-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200155907	39-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200155908	39-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200155909	40-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200155910	40-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200155911	41-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.3		4.3	NV	ug/L	0.6	0.1	LOW LEVEL
200155912	41-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	ug/L	0.6	0.1	LOW LEVEL
200155913	42-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	21		21	NV	ug/L	3	0.1	LOW LEVEL
200155914	42-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.3		3.3	NV	ug/L	0.5	0.1	LOW LEVEL
200155915	43-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	14	0.1	LOW LEVEL
200155916	43-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	14	0.1	LOW LEVEL
200155917	44-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	12	0.1	LOW LEVEL
200155918	44-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	11	0.1	LOW LEVEL
200155919	45-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200155920	45-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200155921	46-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200155922	46-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200155923	47-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200155924	47-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200155925	48-29-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	45		45	NV	ug/L	2	0.1	LOW LEVEL
200155926	48-30-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	46		46	NV	ug/L	2	0.1	LOW LEVEL
200155927	49-29-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	110		110	NV	ug/L	13	0.1	LOW LEVEL
200155928	50-29-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200155929	51-29-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200156121	98-6-B3	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Total Dissolved So	408		408	NV	mg/L			INORGANICS
200157233	32-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1660		1660	NV	ug/L			INORGANICS
200157234	32-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1570		1570	NV	ug/L			INORGANICS
200157235	33-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	mg/L			INORGANICS
200157236	33-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	mg/L			INORGANICS
200157237	34-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200157238	34-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1960		1960	NV	ug/L			INORGANICS
200157239	49-30-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1520		1520	NV	ug/L			INORGANICS
200157240	50-30-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			INORGANICS
200157241	51-30-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			INORGANICS
200157242	31-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	380		380	NV	ug/L	23	0.1	LOW LEVEL
200157243	31-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	370		370	NV	ug/L	23	0.1	LOW LEVEL
200157244	35-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	100		100	NV	ug/L	12	0.1	LOW LEVEL
200157245	35-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	12	0.1	LOW LEVEL
200157246	36-31-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200157247	36-32-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200157248	37-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	ug/L	0.3	0.1	LOW LEVEL
200157249	37-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	ug/L	0.3	0.1	LOW LEVEL
200157250	38-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L	0.1	0.1	LOW LEVEL
200157251	38-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200157252	39-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200157253	39-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200157254	40-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.9		1.9	NV	ug/L	0.3	0.1	LOW LEVEL
200157255	40-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200157256	41-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.4		3.4	NV	ug/L	0.5	0.1	LOW LEVEL
200157257	41-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3		3	NV	ug/L	0.5	0.1	LOW LEVEL
200157258	42-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.1		3.1	NV	ug/L	0.5	0.1	LOW LEVEL
200157259	42-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.8		2.8	NV	ug/L	0.4	0.1	LOW LEVEL
200157260	43-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	11	0.1	LOW LEVEL
200157261	43-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	180		180	NV	ug/L	11	0.1	LOW LEVEL
200157262	44-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200157263	44-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	8	0.1	LOW LEVEL
200157264	45-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200157265	45-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200157266	46-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200157267	46-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200157268	47-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200157269	47-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200157270	48-31-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	56		56	NV	ug/L	7	0.1	LOW LEVEL
200157271	48-32-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	58		58	NV	ug/L	7	0.1	LOW LEVEL
200157272	49-31-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.9		2.9	NV	ug/L	0.4	0.1	LOW LEVEL
200157273	50-31-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200157274	51-31-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200158549	32-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1587		1587	NV	ug/L			INORGANICS
200158550	32-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1456		1456	NV	ug/L			INORGANICS
200158551	33-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3291		3291	NV	ug/L			INORGANICS
200158552	33-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3319		3319	NV	ug/L			INORGANICS
200158553	34-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2014		2014	NV	ug/L			INORGANICS
200158554	34-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1955		1955	NV	ug/L			INORGANICS
200158555	49-32-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1942		1942	NV	ug/L			INORGANICS
200158556	50-32-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L			INORGANICS
200158557	51-32-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2	U	0.2	NV	ug/L			INORGANICS
200158560	31-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	400		400	NV	ug/L	26	0.1	LOW LEVEL
200158561	31-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	400		400	NV	ug/L	26	0.1	LOW LEVEL
200158562	35-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	12	0.1	LOW LEVEL
200158563	35-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	95		95	NV	ug/L	11		LOW LEVEL
200158564	36-33-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200158565	36-34-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	9	0.1	LOW LEVEL
200158566	37-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L	0.4	0.1	LOW LEVEL
200158567	37-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.4		2.4	NV	ug/L	0.4	0.1	LOW LEVEL
200158568	38-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L	0.2	0.1	LOW LEVEL
200158569	38-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200158570	39-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200158571	39-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200158572	40-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.9		2.9	NV	ug/L	0.4	0.1	LOW LEVEL
200158573	40-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200158574	41-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	18		18	NV	ug/L	2	0.1	LOW LEVEL
200158575	41-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L	0.4	0.1	LOW LEVEL
200158576	42-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.3		5.3	NV	ug/L	0.8	0.1	LOW LEVEL
200158577	42-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.7		2.7	NV	ug/L	0.4	0.1	LOW LEVEL
200158578	43-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	11	0.1	LOW LEVEL
200158579	43-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	11	0.1	LOW LEVEL
200158580	44-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	8	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200158581	44-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200158582	45-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200158583	45-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200158584	46-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.4		0.4	NV	ug/L	0.1	0.1	LOW LEVEL
200158585	46-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200158586	47-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200158587	47-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200158588	48-33-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	70		70	NV	ug/L	5	0.1	LOW LEVEL
200158589	48-34-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	68		68	NV	ug/L	5	0.1	LOW LEVEL
200158590	49-33-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	69		69	NV	ug/L	5	0.1	LOW LEVEL
200158591	50-33-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200158592	51-33-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200160342	37-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.011	U	0.011	NV	pCi/mL		0.049	RADIOCHEMI
200160342	37-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.5		4.5	NV	ug/L			INORGANICS
200160343	38-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.011	U	0.011	NV	pCi/mL		0.049	RADIOCHEMI
200160343	38-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	4.1		4.1	NV	ug/L			INORGANICS
200160344	39-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.023	U	0.023	NV	pCi/mL		0.049	RADIOCHEMI
200160344	39-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	ug/L			INORGANICS
200160345	40-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0	U	0	NV	pCi/mL		0.049	RADIOCHEMI
200160345	40-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			INORGANICS
200160346	41-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	-0.011	U	-0.011	NV	pCi/mL		0.049	RADIOCHEMI
200160346	41-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3		3	NV	ug/L			INORGANICS
200160347	42-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.025	U	0.025	NV	pCi/mL		0.049	RADIOCHEMI
200160347	42-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3		2.3	NV	ug/L			INORGANICS
200160348	45-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.0091	U	0.0091	NV	pCi/mL		0.049	RADIOCHEMI
200160348	45-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1		1	NV	ug/L			INORGANICS
200160349	46-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.0057	U	0.0057	NV	pCi/mL		0.049	RADIOCHEMI
200160349	46-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			INORGANICS
200160350	47-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	-0.011	U	-0.011	NV	pCi/mL		0.098	RADIOCHEMI
200160350	47-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	0.8		0.8	NV	ug/L			INORGANICS
200160498	32-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1600		1600	NV	ug/L			INORGANICS
200160499	32-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1410		1410	NV	ug/L			INORGANICS
200160500	33-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3430		3430	NV	ug/L			INORGANICS
200160501	33-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3330		3330	NV	ug/L			INORGANICS
200160502	34-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2010		2010	NV	ug/L			INORGANICS
200160503	34-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1970		1970	NV	ug/L			INORGANICS
200160504	49-34-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	3450		3450	NV	ug/L			INORGANICS

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200160505	50-34-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.8		0.8	NV	ug/L			INORGANICS
200160506	51-34-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			INORGANICS
200160521	31-39-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	480		480	NV	ug/L	30	0.1	LOW LEVEL
200160523	31-40-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	480		480	NV	ug/L	30	0.1	LOW LEVEL
200160524	35-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	99		99	NV	ug/L	12	0.1	LOW LEVEL
200160525	35-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	94		94	NV	ug/L	11	0.1	LOW LEVEL
200160526	36-35-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	10	0.1	LOW LEVEL
200160527	36-36-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	9	0.1	LOW LEVEL
200160528	37-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L	2	0.1	LOW LEVEL
200160529	38-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	16		16	NV	ug/L	2	0.1	LOW LEVEL
200160530	39-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	17		17	NV	ug/L	1	0.1	LOW LEVEL
200160531	40-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.2		8.2	NV	ug/L	1	0.1	LOW LEVEL
200160532	41-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	31		31	NV	ug/L	4	0.1	LOW LEVEL
200160533	42-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	33		33	NV	ug/L	4	0.1	LOW LEVEL
200160534	43-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	10	0.1	LOW LEVEL
200160535	43-36-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	10	0.1	LOW LEVEL
200160536	44-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200160537	44-36-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200160538	45-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	3.3		3.3	NV	ug/L	0.5	0.1	LOW LEVEL
200160539	46-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	13		13	NV	ug/L	2	0.1	LOW LEVEL
200160540	47-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	5.2		5.2	NV	ug/L	0.6	0.1	LOW LEVEL
200160541	48-35-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	91		91	NV	ug/L	6	0.1	LOW LEVEL
200160542	48-36-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	91		91	NV	ug/L	6	0.1	LOW LEVEL
200160543	49-35-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200160544	50-35-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200160545	51-35-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.01	U	0.01	NV	ug/L		0.1	LOW LEVEL
200161212	98-7-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Total Dissolved So	243		243	NV	mg/L			INORGANICS
200161213	98-8-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Total Dissolved So	89		89	NV	mg/L			INORGANICS
200161214	98-9-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Total Dissolved So	263		263	NV	mg/L			INORGANICS
200162539	32-39-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.8		1.8	NV	mg/L			INORGANICS
200162540	32-40-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	mg/L			INORGANICS
200162541	33-39-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.9		3.9	NV	mg/L			INORGANICS
200162542	33-40-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.8		3.8	NV	mg/L			INORGANICS
200162543	34-39-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.3		2.3	NV	mg/L			INORGANICS
200162544	34-40-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200162545	49-36-B3	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	2.2		2.2	NV	mg/L			INORGANICS
200162546	50-36-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			INORGANICS

001233

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FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200162547	51-36-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L			INORGANICS
200162548	31-41-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	520		520	NV	ug/L	32	0.1	LOW LEVEL
200162549	31-42-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	520		520	NV	ug/L	32	0.1	LOW LEVEL
200162550	35-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L		13	LOW LEVEL
200162551	35-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	100		100	NV	ug/L	12	0.1	LOW LEVEL
200162552	36-37-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	10	0.1	LOW LEVEL
200162553	36-38-B3	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	10	0.1	LOW LEVEL
200162554	43-37-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200162555	43-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200162556	44-37-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	100		100	NV	ug/L	6	0.1	LOW LEVEL
200162557	44-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	6	0.1	LOW LEVEL
200162558	48-37-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200162559	48-38-B3	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200162560	49-37-B3	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200162561	50-37-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200162562	51-37-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.004	U	0.004	NV	ug/L		0.1	LOW LEVEL
200163667	32-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.7		1.7	NV	mg/L			INORGANICS
200163670	32-42-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200163671	33-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	mg/L			INORGANICS
200163672	33-42-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6		3.6	NV	mg/L			INORGANICS
200163673	34-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200163674	34-42-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2		2	NV	mg/L			INORGANICS
200163675	49-38-B4	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	1.5		1.5	NV	mg/L			INORGANICS
200163676	50-38-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.5		0.5	NV	ug/L			INORGANICS
200163677	51-38-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			INORGANICS
200163678	31-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	540		540	NV	ug/L	34	0.1	LOW LEVEL
200163679	31-44-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	550		550	NV	ug/L	34	0.1	LOW LEVEL
200163680	35-39-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	93		93	NV	ug/L	11	0.1	LOW LEVEL
200163681	35-40-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	87		87	NV	ug/L	10	0.1	LOW LEVEL
200163682	36-39-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	10	0.1	LOW LEVEL
200163683	36-40-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	9	0.1	LOW LEVEL
200163684	43-39-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200163685	43-40-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	8	0.1	LOW LEVEL
200163686	44-39-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	99		99	NV	ug/L	6	0.1	LOW LEVEL
200163687	44-40-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	94		94	NV	ug/L	6	0.1	LOW LEVEL
200163688	48-39-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL
200163689	48-40-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	7	0.1	LOW LEVEL

0012534

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200163690	49-39-B4	CONCRETE	LEACHATE	DUPLICATE	GRAB	Uranium, Total	96		96	NV	ug/L	6	0.1	LOW LEVEL
200163691	50-39-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.5		0.5	NV	ug/L	0.1	0.1	LOW LEVEL
200163692	51-39-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200164730	31-45-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	560		560	NV	ug/L	40	0.1	LOW LEVEL
200164740	31-46-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	560		560	NV	ug/L	40	0.1	LOW LEVEL
200164741	33-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	mg/L	300	0.1	INORGANICS
200164742	33-44-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3800		3800	NV	ug/L	300	0.1	LOW LEVEL
200164743	36-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	14	0.1	LOW LEVEL
200164744	36-42-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	12	0.1	LOW LEVEL
200164745	48-41-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200164746	48-42-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200164747	49-40-B4	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	560		560	NV	ug/L	40	0.1	LOW LEVEL
200164748	50-40-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.3		0.3	NV	ug/L	0.1	0.1	LOW LEVEL
200164749	51-40-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.04	U	0.04	NV	ug/L		0.1	LOW LEVEL
200165252	32-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	34	U	34	NV	pCi/L		120	RADIOCHEMI
200165252	32-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1500		1500	NV	ug/L	120	0.1	LOW LEVEL
200165253	34-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	88		88	NV	pCi/L		60	RADIOCHEMI
200165253	34-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2000		2000	NV	ug/L	160	0.1	LOW LEVEL
200165254	35-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	-21	U	-21	NV	pCi/L		60	RADIOCHEMI
200165254	35-41-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	140		140	NV	ug/L	11	0.1	LOW LEVEL
200165255	43-41-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	83		83	NV	pCi/L		60	RADIOCHEMI
200165255	43-41-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	10	0.1	LOW LEVEL
200165256	44-41-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	39	U	39	NV	pCi/L		60	RADIOCHEMI
200165256	44-41-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	93		93	NV	ug/L	7	0.1	LOW LEVEL
200165809	31-47-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	560		560	NV	ug/L	45	0.1	LOW LEVEL
200165810	31-48-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	570		570	NV	ug/L	46	0.1	LOW LEVEL
200165811	33-45-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6		3.6	NV	mg/L			INORGANICS
200165812	33-46-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6		3.6	NV	mg/L			INORGANICS
200165813	36-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	14	0.1	LOW LEVEL
200165814	36-44-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	12	0.1	LOW LEVEL
200165815	48-43-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200165816	48-44-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200165817	49-41-B4	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	150		150	NV	ug/L	12	0.1	LOW LEVEL
200165818	50-41-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L	0.1	0.1	LOW LEVEL
200165819	51-41-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L	0.1	0.1	LOW LEVEL
200165957	50-42-B3	DI WATER	NONE	FIELD BLANK	GRAB	Technetium-99	-0.81		-0.81	NV	pCi/L		13	LOCKHEED
200165957	50-42-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.6		0.6	NV	ug/L		0.83	LOCKHEED

00365

Appendix L.6 - OU3 Leachability Study Data

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200168040	31-49-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	600		600	NV	ug/L	48	0.1	LOW LEVEL
200168041	31-50-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	590		590	NV	ug/L	47	0.1	LOW LEVEL
200168042	33-47-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.2		4.2	NV	mg/L			INORGANICS
200168043	33-48-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4.2		4.2	NV	mg/L			INORGANICS
200168044	36-45-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	170		170	NV	ug/L	14	0.1	LOW LEVEL
200168045	36-46-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	13	0.1	LOW LEVEL
200168046	48-45-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200168047	48-46-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200168048	49-42-B4	PAINT	LEACHATE	DUPLICATE	GRAB	Uranium, Total	3800		3800	NV	ug/L	304	0.1	LOW LEVEL
200168049	50-43-B4	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L	0.1	0.1	LOW LEVEL
200168050	51-42-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.1		0.1	NV	ug/L	0.1	0.1	LOW LEVEL
200168051	33-49-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6		3.6	NV	mg/L			INORGANICS
200168052	33-50-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.7		3.7	NV	mg/L			INORGANICS
200168053	49-43-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.5		3.5	NV	mg/L			INORGANICS
200168054	50-44-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.7		0.7	NV	ug/L			INORGANICS
200168055	51-43-B3	DI WATER	NONE	FIELD BLANK	GRAB	Uranium, Total	0.2		0.2	NV	ug/L			INORGANICS
200168508	31-51-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	0.039	U	0.039	NV	pCi/mL		0.12	RADIOCHEMI
200168508	31-51-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	550		550	NV	ug/L			INORGANICS
200168511	33-51-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	0.015	U	0.015	NV	pCi/mL		0.06	RADIOCHEMI
200168511	33-51-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3.6		3.6	NV	mg/L			INORGANICS
200168512	36-47-B4	PAINT	LEACHATE	NORMAL	GRAB	Technetium-99	-0.0037	U	-0.0037	NV	pCi/mL		0.06	RADIOCHEMI
200168512	36-47-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	233		233	NV	ug/L			INORGANICS
200168513	48-47-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Technetium-99	0.0074	U	0.0074	NV	pCi/mL		0.06	RADIOCHEMI
200168513	48-47-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	137		137	NV	ug/L			INORGANICS
200168651	31-55-B4	PAINT	NONE	NORMAL	GRAB	Technetium-99	137		137	NV	pCi/g	11.4	0.687	LOCKHEED
200168651	31-55-B4	PAINT	NONE	NORMAL	GRAB	Uranium, Total	5070		5070	NV	ug/g	297	22.2	LOCKHEED
200168663	33-55-B4	PAINT	NONE	NORMAL	GRAB	Technetium-99	1480		1480	NV	pCi/g	116	0.786	LOCKHEED
200168663	33-55-B4	PAINT	NONE	NORMAL	GRAB	Uranium, Total	74600		74600	NV	ug/g	4370	423	LOCKHEED
200168664	36-51-B4	PAINT	NONE	NORMAL	GRAB	Technetium-99	114		114	NV	pCi/g	9.76	0.839	LOCKHEED
200168664	36-51-B4	PAINT	NONE	NORMAL	GRAB	Uranium, Total	2020		2020	NV	ug/g	187	5.51	LOCKHEED
200168665	48-51-B4	CONCRETE	NONE	NORMAL	GRAB	Technetium-99	7.27		7.27	NV	pCi/g	1.36	0.806	LOCKHEED
200168665	48-51-B4	CONCRETE	NONE	NORMAL	GRAB	Uranium, Total	63.5		63.5	NV	ug/g	3.92	0.661	LOCKHEED
200169542	11-1-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	580		580	NV	ug/L	46	0.1	LOW LEVEL
200169543	11-2-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1700		1700	NV	ug/L	136	0.1	LOW LEVEL
200169544	11-3-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	4100		4100	NV	ug/L	328	0.1	LOW LEVEL
200169545	11-4-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	2000		2000	NV	ug/L	160	0.1	LOW LEVEL
200169546	11-5-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	98		98	NV	ug/L	8	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200169547	11-6-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	160		160	NV	ug/L	13	0.1	LOW LEVEL
200169548	11-7-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	87		87	NV	ug/L	7	0.1	LOW LEVEL
200169549	11-8-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200169550	11-9-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200169551	11-10-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200169552	11-11-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	370		370	NV	ug/L	30	0.1	LOW LEVEL
200169553	11-12-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	300		300	NV	ug/L	24	0.1	LOW LEVEL
200169554	11-13-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	860		860	NV	ug/L	69	0.1	LOW LEVEL
200169555	11-14-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	1100		1100	NV	ug/L	89	0.1	LOW LEVEL
200169556	11-15-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	59		59	NV	ug/L	5	0.1	LOW LEVEL
200169557	11-16-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	110		110	NV	ug/L	9	0.1	LOW LEVEL
200169558	11-17-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	77		77	NV	ug/L	6	0.1	LOW LEVEL
200169559	11-18-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200169560	11-19-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	570		570	NV	ug/L	46	0.1	LOW LEVEL
200169561	11-20-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1400		1400	NV	ug/L	112	0.1	LOW LEVEL
200169562	11-21-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3600		3600	NV	ug/L	288	0.1	LOW LEVEL
200169563	11-22-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1900		1900	NV	ug/L	152	0.1	LOW LEVEL
200169564	11-23-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	79		79	NV	ug/L	6	0.1	LOW LEVEL
200169565	11-24-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	150		150	NV	ug/L	12	0.1	LOW LEVEL
200169566	11-25-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	47		47	NV	ug/L	4	0.1	LOW LEVEL
200169567	11-26-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	28		28	NV	ug/L	2	0.1	LOW LEVEL
200169568	11-27-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	63		63	NV	ug/L	5	0.1	LOW LEVEL
200169569	11-28-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	65		65	NV	ug/L	5	0.1	LOW LEVEL
200169570	11-29-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	57		57	NV	ug/L	5	0.1	LOW LEVEL
200169571	11-30-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	54		54	NV	ug/L	4	0.1	LOW LEVEL
200169572	12-1-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	390		390	NV	ug/L	31	0.1	LOW LEVEL
200169573	12-2-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	580		580	NV	ug/L	46	0.1	LOW LEVEL
200169574	12-3-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.3		8.3	NV	ug/L	0.7	0.1	LOW LEVEL
200169575	12-4-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	26		26	NV	ug/L	2	0.1	LOW LEVEL
200169576	12-5-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	12		12	NV	ug/L	2	0.1	LOW LEVEL
200169577	12-6-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200169578	12-7-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	560		560	NV	ug/L	45	0.1	LOW LEVEL
200169579	12-8-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1400		1400	NV	ug/L	112	0.1	LOW LEVEL
200169580	12-9-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	3300		3300	NV	ug/L	26	0.1	LOW LEVEL
200169581	12-10-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	1800		1800	NV	ug/L	144	0.1	LOW LEVEL
200169582	12-11-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	61		61	NV	ug/L	5	0.1	LOW LEVEL
200169583	12-12-B4	PAINT	LEACHATE	NORMAL	GRAB	Uranium, Total	130		130	NV	ug/L	10	0.1	LOW LEVEL

FACTS ID	Sample ID	Material Name	Prep ID	QA Type	Collection Type	Parameter	Lab Result	LQ	Val Result	VQ	Units	TPU	MDC	LAB
200169584	12-13-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	46		46	NV	ug/L	4	0.1	LOW LEVEL
200169585	12-14-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	28		28	NV	ug/L	2	0.1	LOW LEVEL
200169586	12-15-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	63		63	NV	ug/L	5	0.1	LOW LEVEL
200169587	12-16-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	64		64	NV	ug/L	5	0.1	LOW LEVEL
200169588	12-17-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	56		56	NV	ug/L	5	0.1	LOW LEVEL
200169589	12-18-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	53		53	NV	ug/L	4	0.1	LOW LEVEL
200169590	12-19-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	390		390	NV	ug/L	31	0.1	LOW LEVEL
200169591	12-20-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	590		590	NV	ug/L	47	0.1	LOW LEVEL
200169592	12-21-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	8.4		8.4	NV	ug/L	0.7	0.1	LOW LEVEL
200169593	12-22-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	26		26	NV	ug/L	2	0.1	LOW LEVEL
200169594	12-23-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	11		11	NV	ug/L	2	0.1	LOW LEVEL
200169595	12-24-B4	CONCRETE	LEACHATE	NORMAL	GRAB	Uranium, Total	120		120	NV	ug/L	10	0.1	LOW LEVEL
200170400	12-27-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U	1	NV	mg/L			WATER TREA
200170410	12-28-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Sulfate	1	U	1	NV	mg/L			WATER TREA
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Aluminum	0.381		0.381	NV	mg/L			INORGANICS
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Calcium	65		65	NV	mg/L			INORGANICS
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Magnesium	2.64		2.64	NV	mg/L			INORGANICS
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Potassium	7.91		7.91	NV	mg/L			INORGANICS
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Silicon	9.49		9.49	NV	mg/L			INORGANICS
200170411	12-25-B4	PAINT	LEACHATE	NORMAL	COMPOSITE	Sodium	8.53		8.53	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Aluminum	0.171		0.171	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Calcium	5.05		5.05	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Magnesium	1.27		1.27	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Potassium	1.1		1.1	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Silicon	0.792		0.792	NV	mg/L			INORGANICS
200170412	12-26-B4	CONCRETE	LEACHATE	NORMAL	COMPOSITE	Sodium	0.788		0.788	NV	mg/L			INORGANICS

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