590108-0606270001

CH2M HILL Mound, Inc.
1075 Mound Road
P.O. Box 750
Miamisburg, OH 45343-0750

CH2MHILL

SMO-368/06
June 15, 2006

Mr. Don Pfister, Director
Miamisburg Closure Project
U. S. Department of Energy
175 Tri-County Parkway
Springdale, OH 45246

ATTENTION: Paul Lucas

SUBJECT: **Contract No. DE-AC24-03OH20152:** Deliverable #39 Potential release site and removal action documentation; Section C.2.3.1.3 Remaining Response Actions; UGL Partial V OSC Report, Final

Dear Mr. Pfister:

Attached is the following Final document for your records.

- UGL Partial V OSC Report, Final

If you or members of your staff have any questions regarding the document, or if additional support is needed, please contact Dave Rakel at 937-865-4203.

Sincerely,

Michael D. Ebben
Site Manager

ME/jg

Enclosures

cc: T. Fischer, USEPA, (1) w/attachments
B. Nickel, OEPA, (1) w/attachments
S.Helmer, ODH, (1) w/attachments
J. Crombie, ODH, (1) w/attachments
M. Wojciechowski, Tetra Tech, (1) w/attach
G. Gorsuch, DOE/MCP, (1) w/attachments
R. Tormey, DOE/OH, (1) w/attachments
G. Desai, DOE/HQ, (1) w/attachments
C. Kline, CH2M Hill, (1) w/attachments
Public Reading Room (1) w/attachments
Admin Records, CH2M Hill, (2) w/attachs
ER Records, CH2M Hill, (1) w/attachs
DCC (1) w/attachments
M. Ebben, CH2M Hill, w/o attachments
K. Armstrong, CH2M Hill, w/o attachments
D. Rakel, CH2M Hill, w/o attachments
D. Kramer, CH2M Hill, w/o attachments
J. Fontaine, CH2M Hill, w/o attachments
S. Barr, CH2M Hill, w/o attachments
M. McDougal, CH2M Hill, w/o attachments
file, CH2M Hill, w/o attachments

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UGL PARTIAL V
REMOVAL ACTION
OSC REPORT

This Report Closes PRSs 124, 427, 428, & 439

June 2006

Final

Department of Energy
Miamisburg Closure Project

CH2MHILL

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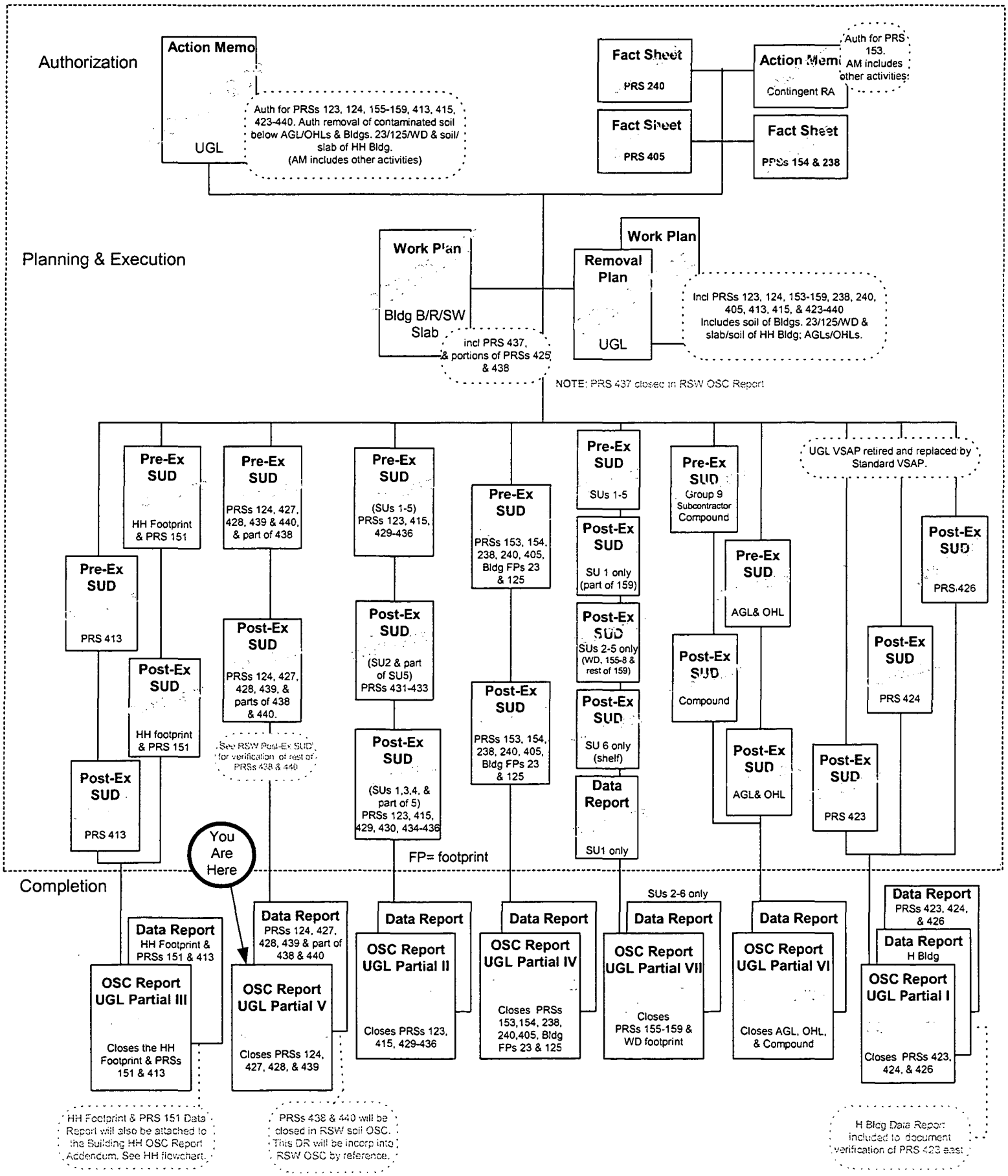
UGL (Underground Waste Transfer Lines) (AKA Group 9):

PRSs 123, 124, 153-159, 238, 240, 405, 413, 415, 423-440.

Includes soil below AGL/OHL & Bldgs 23, 125, HH, & WD. Includes work planning and verification for PRS 440



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Acronyms

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CO	cleanup objective
COC	contaminant of concern
cy	cubic yards
DOE	Department of Energy
Ex	excavation
HS	hot spot
MCP	Miamisburg Closure Project
OEPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
pCi/g	picoCuries per gram
PRP	Potentially Responsible Parties
PRS	Potential Release Site
RA	Removal Action
SUD	Survey Unit Design
UCL	upper confidence limit
UGL	underground line
USEPA	United States Environmental Protection Agency
VSAP	Verification Sampling and Analysis Plan

RECOMMENDATION: PRSs 124, 427, 428, & 439

The Potential Release Site (PRS) 124, 427, 428, and 439 Removal Actions (RAs) were authorized via the Underground Line (UGL) Action Memo, Final, September 2003. The RAs were based on historical processes, and radiological surveys and soil sample results which showed elevated levels of Ac-227, Am-241, Cs-137, Co-60, Pb-210, Pu-238, Pu-239/240, Pa-231, Ra-226, Th-228, Th-230, Th-232, U-233, U-234, U-238, Bi-207, tritium, and Sr-90.

Radiologically contaminated soil was excavated per the UGL Action Memo and Standard Work Packages ELT-MND-105-00 and ELT-MND-106-00. Verification sampling was performed per the associated Action Memo, the UGLs Removal Plan, Final, April 2004, and the Standard VSAP Soils Verification Sampling & Analysis Plan [VSAP], Final, August 2004 to demonstrate that the remaining soil meets the cleanup criteria. This removal action was successfully completed and resulted in excavation and disposal of approximately 6,046 cubic yards (cy) of radioactively contaminated soil (for disposal at Envirocare).

The cleanup criteria established in the Standard VSAP are satisfied if all verification sample results are below cleanup objectives (COs) or all sample results are below hot spot (HS) criteria <u>and</u> the 95% UCL (upper confidence limit) for the area of interest is less than the CO and the data set passes the Sign test.

Verification sampling confirmed all results are below Hot Spot criteria. All results are below COs except one result for Pu-238 of 99 pCi/g (CO of 55 pCi/g); and two results of U-234 of 2.4 and 2.51 pCi/g (CO of 2.0 pCi/g). All results, including those above CO, met the cleanup criteria described above.

After a thorough review of this On-Scene Coordinator (OSC) Report, the Core Team agrees that these RAs are complete, and that all previously existing environmental issues associated with them have been resolved.

Paul Lucas 6/13/06

Paul Lucas, OSC
U.S. Department of Energy
Springdale, Ohio

Timothy J. Fischer 6/13/06

Timothy J. Fischer, Remedial Project Manager
USEPA
Chicago, Illinois

Brian Nickel 6/13/06

Brian Nickel, Project Manager
OEPA
Dayton, Ohio

1.0 SUMMARY OF EVENTS

This section describes the site background and events leading up to the removal action (RA), parties involved in responding to the RA, cleanup objective (CO) determination, chronological narrative of the RA, and resources committed to complete the project.

1.1 Site Conditions and Background

Background. The Underground Line (UGL) RA addresses transfer lines (aboveground, underground, and overhead) used to connect sumps and process lines from within T, R, SW, and H Buildings to the WD process treatment facility for treatment of generated radiologically contaminated liquid and sediment waste. Multiple field efforts were performed, each addressing a portion of the overall UGL project. Multiple On-Scene Coordinator (OSC) Reports will be prepared, each closing out a portion of the overall UGL project.

Removal Action. This OSC Report documents completion of Potential Release Sites (PRSs) 124, 427, 428, and 439 RAs; all of which were authorized by the UGL Action Memo, Removal Action of Soil & Underground Waste Transfer Lines Leading to WD Building, Final, September 2003. The level of soil contamination warranted a RA under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act). The locations of the PRSs are shown on Figure 1 (on page A7/138).

Verification sampling and analysis was performed in accordance with the UGLs Removal Plan, Final, April 2004; the Standard VSAP, Soils Verification Sampling & Analysis Plan [VSAP], Final, August 2004; and Post-Excavation (Ex) Survey Unit Design (SUD). An excerpt of the associated SUD is included in Appendix C of Attachment A to this OSC Report. Verification sampling was performed and the results demonstrate that the remaining soil meets the COs.

Since the Department of Energy (DOE) is the sole responsible party for verification of these PRSs, no Potentially Responsible Parties (PRPs) were sought to clean up the site. Monsanto Research Corporation, EG&G Mound Applied Technologies, and BWXT of Ohio, Inc were the operating contractors at the site from 1948 to 30 September 1988, from 1 October 1988 until 30 September 1997, and from 1 October 1997 until 31 December 2002 respectively. CH2M Hill Mound, Inc. became the site contractor for the Miamisburg Closure Project (MCP) effective January 1, 2003.

1.2 Organization of the Removal Actions

Table 1 lists the parties responding to the removal actions, and their responsibilities.

Table 1: Organization of the Removal Action

US Environmental Protection Agency (USEPA) SFR-5J 77 W. Jackson Street Chicago, IL 60604 312-353-2000	Timothy J. Fischer	Federal agency responsible for oversight
Ohio Environmental Protection Agency (OEPA) 401 E. Fifth Street Dayton, OH 45402-2911 937-285-6357	Brian K. Nickel	State agency responsible for oversight
US Dept. of Energy Miamisburg Closure Project 175 Tri-County Parkway Springdale, OH 45246 513-246-0071	Paul Lucas	On-scene Coordinator responsible for oversight and success
CH2M HILL Environmental Restoration Project 1075 Mound Road Miamisburg, OH 45343-3030 937-608-8220	Jim Fontaine	Provide OSC with technical assistance, administrative support, field oversight, sample management, site safety, photo, site documentation, and preparation of the OSC Report

1.3 Objectives

Documentation Objective. The objectives of this OSC Report are to describe the RA fieldwork and document successful completion of the project. Material quantities and disposition locations are presented in Table 2. Because this is a partial OSC Report, complete costs are not available to report. Total project cost for the UGL Removal Action will be reported in the last of the OSC Reports associated with the UGL Removal Action.

Table 2: Materials and Disposition

Type of Material	Quantity (cy)	Disposal Method	Disposal Location
Contaminated soil	6,046	Rail transport	Envirocare of Utah

Cleanup Objective. Contaminants of Concern (COCs) and COs/screening levels are identified in Table 3.

Table 3: Soil Cleanup Objectives (pCi/g)

COC	Cleanup Objective	Hot Spot Criteria
Actinium-227 +D	4.6	13.61
Americium-241	63	189

COC	Cleanup Objective	Hot Spot Criteria
Bismuth-207	1.2	3.6
Cobalt-60	0.7	2.1
Cesium-137 +D	3.8	10.62
Lead-210 +D	7.4	19.8
Protactinium-231 +D	4.0	11.81
Plutonium-238	55	165
Plutonium 239/240	62	186
Radium-226 +D	2.9	4.7
Strontium-90	94.72	282.72
Thorium-228 +D	2.6	4.8
Thorium-230 +D	2.8	4.6
Thorium-232 +D	2.1	3.5
Tritium	75 (screening level)	na
Uranium-233 +D	4.8	na
Uranium-234 +D	2.0	3.8
Uranium-238 +D	2.2	4.2

na: not available

The cleanup criteria are satisfied if all verification sample results are below CO or all sample results are below hot spot (HS) criteria and the 95% UCL (upper confidence limit) for the area of interest is less than the CO and the data set passes the Sign test.

Cleanup Objective. All final verification results were below their respective COs as identified in the Data Report, Table 1 (A11/138) with the exception of one result for Pu-238 of 99 pCi/g (CO of 55 pCi/g) and two results for U-234 of 2.4 and 2.51 pCi/g (CO of 2.0 pCi/g).

Hot Spot Criteria. The Hot Spot criteria for the COCs are presented in Table 3 above. There were no sample results that exceeded the hot spot criteria for any analyte.

1.4 Chronological Narrative of the Removal Actions

Table 4 presents a chronological narrative of events surrounding the RAs.

Table 4: Chronology of RA

Timeframe	Activity
August 2003	UGL RA authorized.
April 2004	UGL Removal Plan approved.
July 2004-February 2006	Fieldwork
November 2005-March 2006	Verification sampling & analysis.
May 2006	OSC Report prepared.

2.0 EFFECTIVENESS OF THE REMOVAL ACTIONS

The removal actions are complete, and the objectives of the Action Memorandum have been met. The limits of verification are identified on Figure 3 (see A9/138). Results of verification sampling and analysis are provided in Attachment A.

2.1 Actions Taken by Mound Personnel

CH2M Hill Mound, Inc. personnel planned and performed removal action oversight, and performed monitoring, sampling and analyses, and documentation. The project met the removal action objectives (Section 1.3), as outlined in the Action Memorandum. CH2M Hill Mound, Inc. personnel prepared this OSC Report, which shows that the Removal Action objectives were achieved.

2.2 Actions Taken by Local, State, and Federal Agencies

The DOE/MCP was the lead agency for the RA and provided the funding. DOE, USEPA, and OEPA had oversight responsibility for the RA and review of the Action Memorandum and OSC Report to ensure that the objectives were met.

2.3 Actions Taken by Subcontractors

Subcontractors involved in the project included:

- Earthline Inc. of Ohio – performed excavation and transportation of soil to the soil staging area.
- Terran of Ohio - performed site soil sampling, data management, and validation.
- Envirocare of Utah - disposal of radiologically contaminated waste via rail transport.

3.0 DIFFICULTIES ENCOUNTERED

3.1 Items that Affect the Removal Actions

No difficulties were encountered during the removal actions.

3.2 Issues of Intergovernmental Coordination

All DOE/OEPA/USEPA interactions were good. The agencies were updated informally on a regular basis, and formally at monthly Core Team meetings. The Mound 2000 Process worked well.

4.0 RECOMMENDATIONS

4.1 Means to Prevent a Recurrence

The contaminated soil was removed. Mound Removal Actions have regulator-approved work plans, each of which has a section that addresses runon/runoff controls. In addition, the site Storm Water Pollution Prevention Plan applies to the entire site and is monitored by the Environmental Compliance and Analytical Services group. As a result of the removal and implementation of runon/runoff protection, spread of contamination is prevented. After the removal action and the CERCLA process for the parcel are complete, the area will be transferred from Federal to private ownership. All State and Federal disposal rules will apply.

ATTACHMENT A

DATA REPORT

UGL Partial V DATA REPORT

PRSs 124, 427, 428, & 439

Note: Although not closed in the UGL Partial V OSC Report, data for portions of PRSs 438 and 440 are included herein.

May 2006

Rev. 0

Department of Energy

Miamisburg Closure Project

CH2MHILL

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Acronyms

Ex	Excavation
pCi/g	picoCuries per gram
PRS	Potential Release Site
QC	quality control
RA	removal action
R&V	review and validation
SUD	Survey Unit Design
UGL	underground line
VSAP	Verification Sampling and Analysis Plan

1.0 PURPOSE

This Data Report provides documentation of sampling activities conducted in accordance with the Standard VSAP, Soils Verification Sampling and Analysis Plan [VSAP], Final, August 2004; required to close out Potential Release Sites (PRSs) 124, 427, 428, and 439. It also includes data for portions of PRSs 438 and 440, which cannot be separated from the data for PRSs 124, 427, 428, and 439 due to overlap.

The purposes of this Data Report are to:

- document any variances to the VSAP/Post-Ex SUD,
- present statistical and bias data (separately),
- present summary statistics and statistical analyses of the applicable data, including retrospective power curve, and
- provide documentation of data review and validation.

2.0 DOCUMENT ORGANIZATION / SUMMARY

The UGL removal action (RA) consists of multiple sample events, each known as an "UGL Partial". This Data Report is for UGL Partial V, which includes PRSs 124, 427, 428, and 439. The location of the UGL Partial V Area is shown on Figure 1. The portions of PRSs 438 and 440 that overlap the UGL V area are shown on Figure 2. This overlap was due to original designation of PRS boundaries. Unless otherwise specified as a variance, sampling and analyses were conducted in accordance with the VSAP and Post-Ex SUD.

3.0 FIELD ACTIVITIES

Verification sampling activities occurred between November 2005 and March 2006. Verification locations are shown on Figure 3. The investigation was conducted in accordance with the Standard VSAP, Soils Verification Sampling and Analysis Plan, Final August 2004.

Surface soil samples were collected in accordance with the procedures presented in the Mound Methods Compendiums S-001, S-002, S-020, S-028, S-029, and Q-002. Samples were collected and composited in-situ using the stainless steel trowels and placed in ½ liter plastic containers with lids. In some cases, a rock hammer or spud bar

was used to loosen the soil prior to sample collection. Several locations were submerged within standing pools of water. Samples from these locations were collected using a trackhoe and composited using stainless steel trowels and bowls. All equipment was thoroughly decontaminated using non-phosphate detergent and distilled water between sample locations. The samples were field-screened by a radiological control technician at the site and screened by the Mound Soil Screening Laboratory prior to shipment to the contract laboratory.

4.0 DATA REVIEW / VALIDATION

All data were reviewed and 10% of offsite data were validated.

Field and laboratory QC (quality control) were assessed as part of the data review and validation (R&V) process.

Documentation of review and validation (and related variances) is provided in Appendix E. Review and validation supports that the data are usable.

APPENDIX A

FIGURES

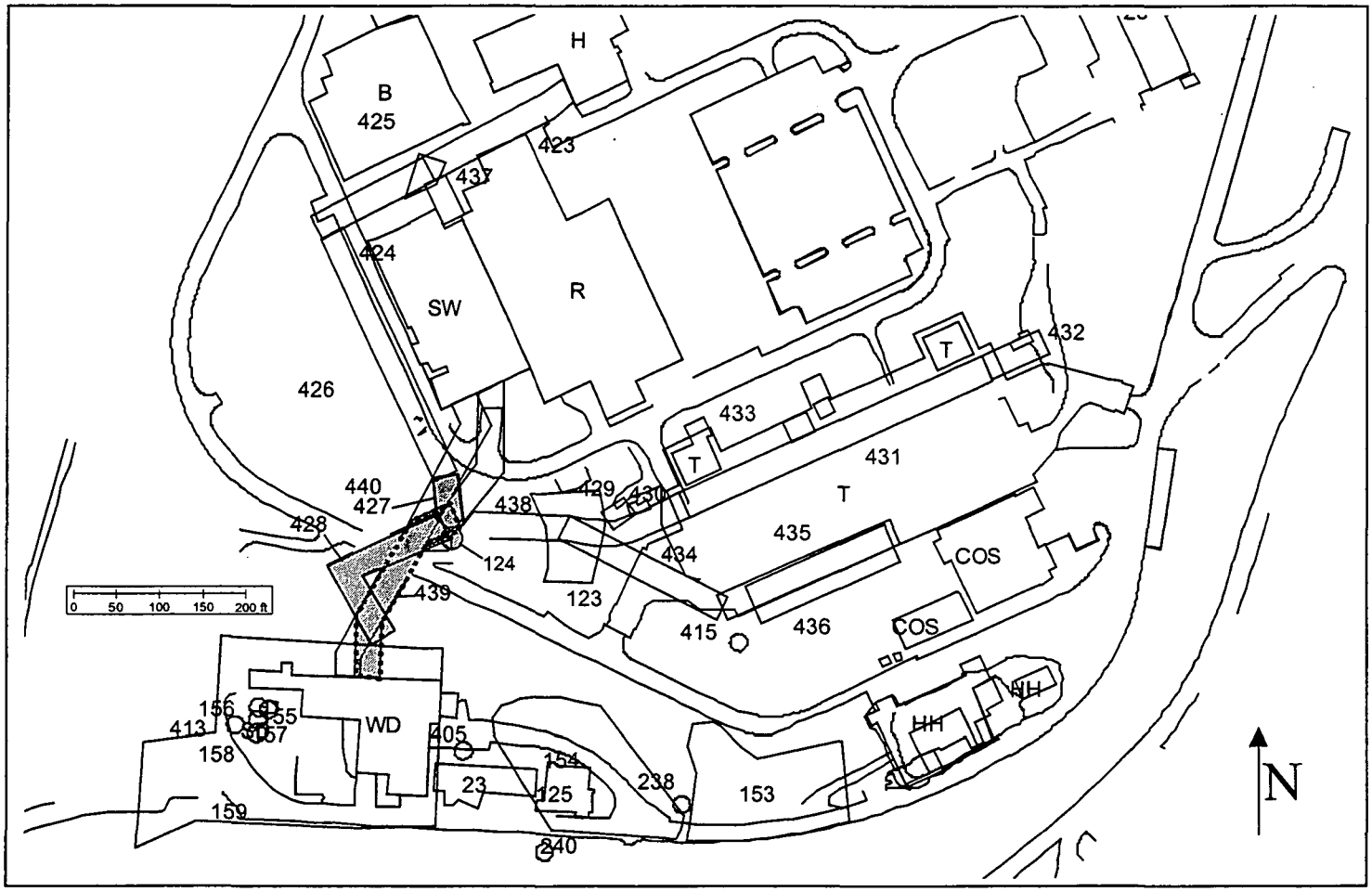

Figure 1: Location of UGL Partial V (PRSs 124, 427, 428, & 439)

A7/138

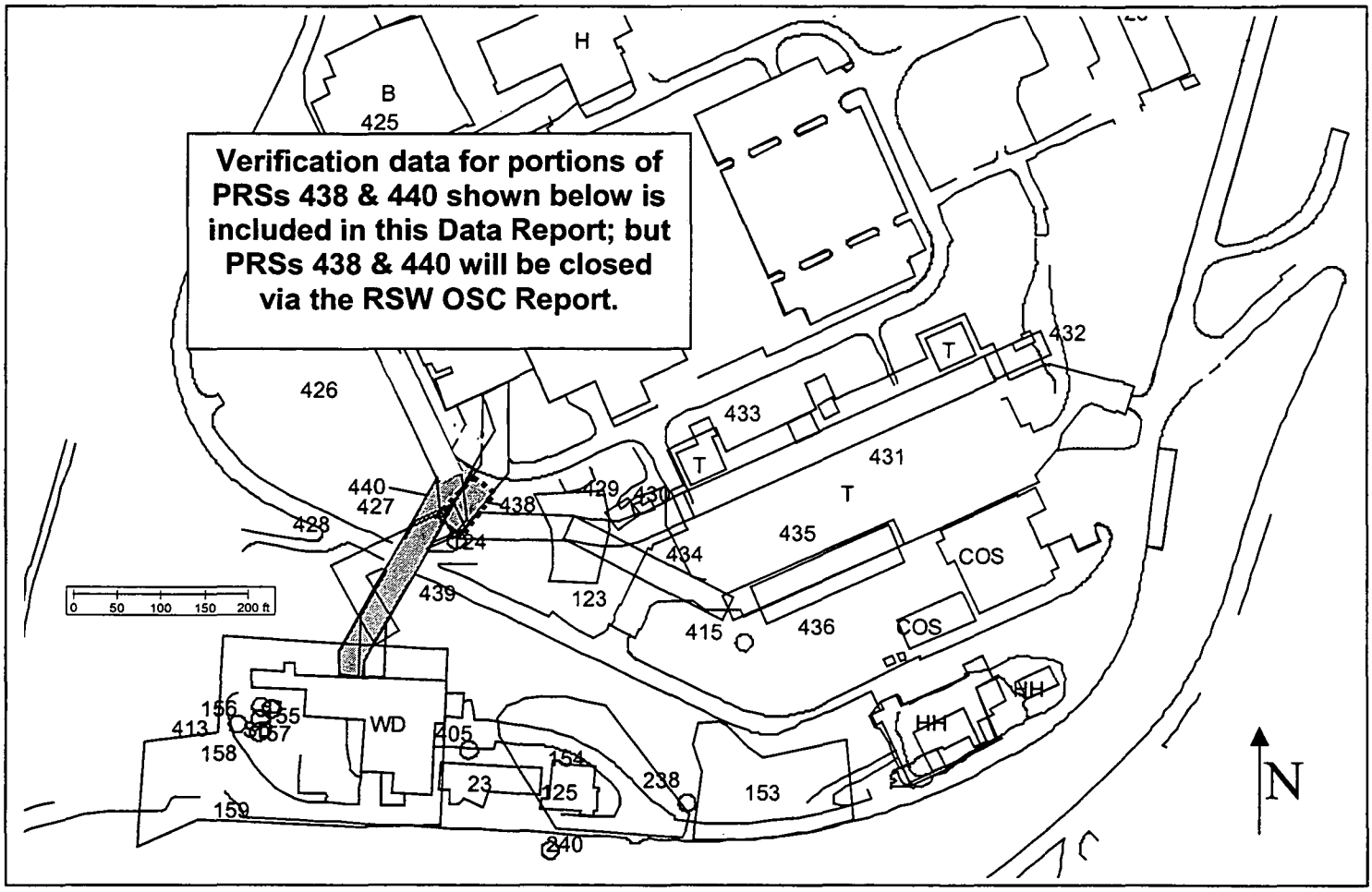

Figure 2: Location of Portions of PRSs 438 & 440

A8/138

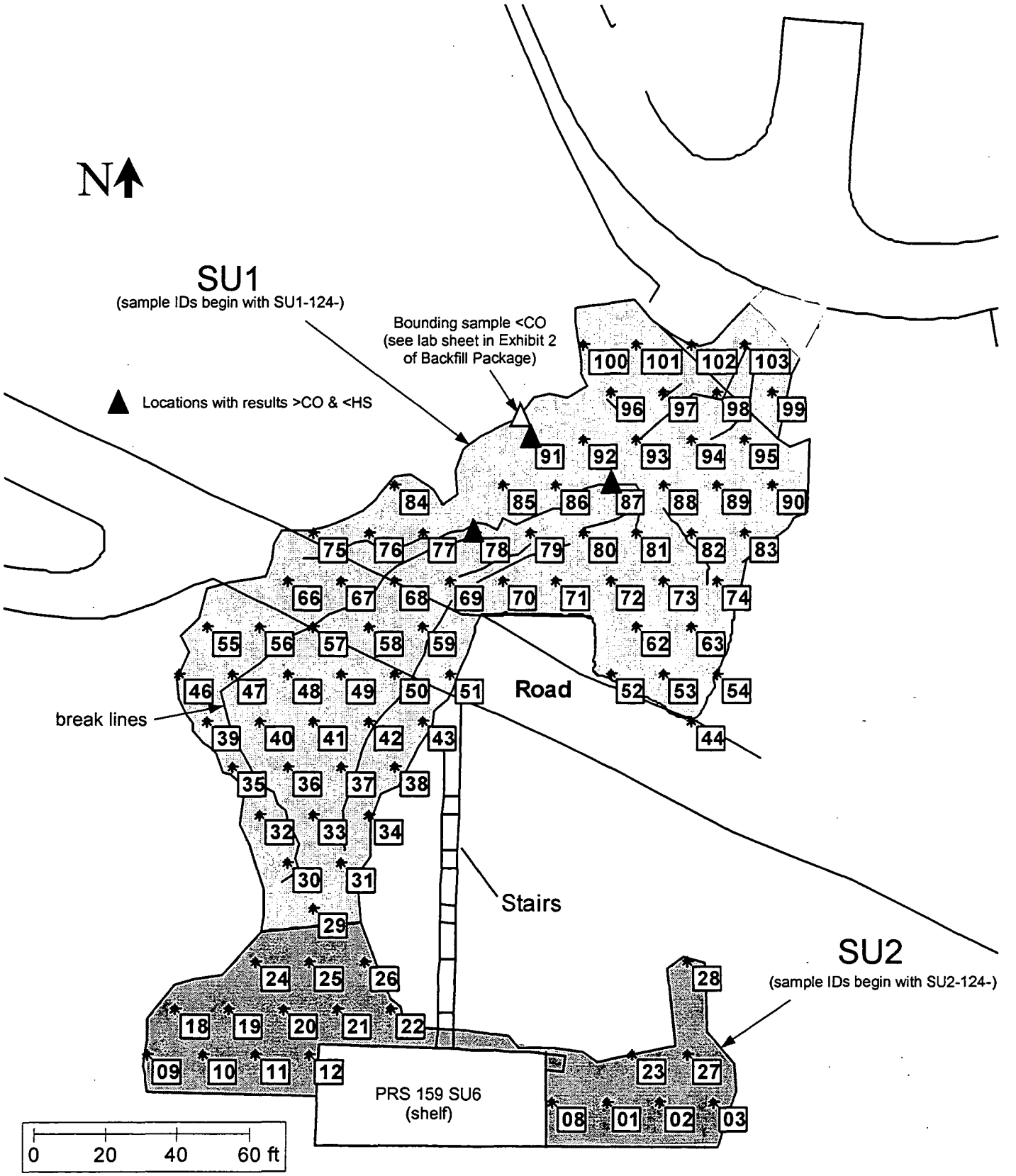

Figure 3: SU1 and SU2 Verification Locations
[shaded areas indicate limits of verification]

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APPENDIX B

TABLES

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-001	11/21/2005	Actinium-227	4.6	0.500	0.500	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Actinium-228	1.93	0.610	0.450			1464693.645	598535.600
SU2-124-001	11/21/2005	Americium-241	63	0.210	0.210	U	U	1464693.645	598535.600
SU2-124-001	11/21/2005	Bismuth-207	1.2	0.088	0.088	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Cesium-137	3.8	0.130	0.130	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Lead-210	7.4	2.300	2.300	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Lead-212	16.6	0.870	0.200			1464693.645	598535.600
SU2-124-001	11/21/2005	Lead-214	8.9	0.620	0.170			1464693.645	598535.600
SU2-124-001	11/21/2005	Plutonium-238	55	50.200	0.060			1464693.645	598535.600
SU2-124-001	11/21/2005	Plutonium-239/240	62	0.480	0.040			1464693.645	598535.600
SU2-124-001	11/21/2005	Potassium-40	47.8	23.700	0.900			1464693.645	598535.600
SU2-124-001	11/21/2005	Protactinium-231	4	2.700	2.700	U	U	1464693.645	598535.600
SU2-124-001	11/21/2005	Radium-226	2.9	0.630	0.420		J	1464693.645	598535.600
SU2-124-001	11/21/2005	Radium-228	2.1	0.610	0.450			1464693.645	598535.600
SU2-124-001	11/21/2005	Strontium-90	94.72	0.480	0.480	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Thallium-208	0.498	0.230	0.090		J	1464693.645	598535.600
SU2-124-001	11/21/2005	Thorium-228	2.6	1.390	0.100			1464693.645	598535.600
SU2-124-001	11/21/2005	Thorium-230	2.8	0.880	0.040			1464693.645	598535.600
SU2-124-001	11/21/2005	Thorium-232	2.1	1.030	0.080			1464693.645	598535.600
SU2-124-001	11/21/2005	Thorium-232	2.1	0.610	0.450			1464693.645	598535.600
SU2-124-001	11/21/2005	Tritium	75*	0.550	0.550	U	U	1464693.645	598535.600
SU2-124-001	11/21/2005	Uranium-234	2	0.850	0.030			1464693.645	598535.600
SU2-124-001	11/21/2005	Uranium-235	3.2	0.033	0.033	U	UJ	1464693.645	598535.600
SU2-124-001	11/21/2005	Uranium-238	2.2	0.910	0.050			1464693.645	598535.600
SU2-124-002	11/21/2005	Actinium-227	4.6	0.500	0.500	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Actinium-228	1.93	0.810	0.320			1464708.645	598535.600
SU2-124-002	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Bismuth-207	1.2	0.085	0.085	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Cesium-137	3.8	0.120	0.120	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Cobalt-60	0.7	0.130	0.130	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Lead-210	7.4	2.600	2.600	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Lead-212	16.6	0.820	0.190			1464708.645	598535.600
SU2-124-002	11/21/2005	Lead-214	8.9	0.640	0.180			1464708.645	598535.600
SU2-124-002	11/21/2005	Plutonium-238	55	4.960	0.060			1464708.645	598535.600
SU2-124-002	11/21/2005	Plutonium-239/240	62	0.040	0.027	J	J	1464708.645	598535.600
SU2-124-002	11/21/2005	Potassium-40	47.8	23.600	1.300			1464708.645	598535.600
SU2-124-002	11/21/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464708.645	598535.600
SU2-124-002	11/21/2005	Radium-226	2.9	0.520	0.430		J	1464708.645	598535.600
SU2-124-002	11/21/2005	Radium-228	2.1	0.810	0.320			1464708.645	598535.600
SU2-124-002	11/21/2005	Strontium-90	94.72	0.460	0.400	J	J	1464708.645	598535.600
SU2-124-002	11/21/2005	Thallium-208	0.498	0.350	0.130		J	1464708.645	598535.600
SU2-124-002	11/21/2005	Thorium-228	2.6	1.000	0.090			1464708.645	598535.600
SU2-124-002	11/21/2005	Thorium-230	2.8	0.900	0.040			1464708.645	598535.600
SU2-124-002	11/21/2005	Thorium-232	2.1	1.030	0.070			1464708.645	598535.600
SU2-124-002	11/21/2005	Thorium-232	2.1	0.810	0.320			1464708.645	598535.600
SU2-124-002	11/21/2005	Tritium	75*	0.610	0.610	U	U	1464708.645	598535.600
SU2-124-002	11/21/2005	Uranium-234	2	0.790	0.030			1464708.645	598535.600
SU2-124-002	11/21/2005	Uranium-235	3.2	0.058	0.031	J	J	1464708.645	598535.600
SU2-124-002	11/21/2005	Uranium-238	2.2	0.830	0.040			1464708.645	598535.600
SU2-124-003	11/21/2005	Actinium-227	4.6	0.550	0.550	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Actinium-228	1.93	0.970	0.410			1464723.645	598535.600
SU2-124-003	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Bismuth-207	1.2	0.089	0.089	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Lead-210	7.4.	2.700	2.700	U	UJ	1464723.645	598535.600

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-003	11/21/2005	Lead-212	16.6	0.630	0.190			1464723.645	598535.600
SU2-124-003	11/21/2005	Lead-214	8.9	0.590	0.210			1464723.645	598535.600
SU2-124-003	11/21/2005	Plutonium-238	55	10.300	0.060			1464723.645	598535.600
SU2-124-003	11/21/2005	Plutonium-239/240	62	0.112	0.044	J	J	1464723.645	598535.600
SU2-124-003	11/21/2005	Potassium-40	47.8	21.900	1.500			1464723.645	598535.600
SU2-124-003	11/21/2005	Protactinium-231	4	2.900	2.900	U	U	1464723.645	598535.600
SU2-124-003	11/21/2005	Radium-226	2.9	0.720	0.450		J	1464723.645	598535.600
SU2-124-003	11/21/2005	Radium-228	2.1	0.970	0.410			1464723.645	598535.600
SU2-124-003	11/21/2005	Strontium-90	94.72	0.630	0.630	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Thallium-208	0.498	0.270	0.090		J	1464723.645	598535.600
SU2-124-003	11/21/2005	Thorium-228	2.6	1.430	0.060			1464723.645	598535.600
SU2-124-003	11/21/2005	Thorium-230	2.8	1.080	0.090			1464723.645	598535.600
SU2-124-003	11/21/2005	Thorium-232	2.1	1.370	0.040			1464723.645	598535.600
SU2-124-003	11/21/2005	Thorium-232	2.1	0.970	0.410			1464723.645	598535.600
SU2-124-003	11/21/2005	Tritium	75*	0.620	0.620	U	UJ	1464723.645	598535.600
SU2-124-003	11/21/2005	Uranium-234	2	0.800	0.040			1464723.645	598535.600
SU2-124-003	11/21/2005	Uranium-235	3.2	0.095	0.029	J	J	1464723.645	598535.600
SU2-124-003	11/21/2005	Uranium-238	2.2	1.000	0.020			1464723.645	598535.600
SU2-124-008	11/21/2005	Actinium-227	4.6	0.510	0.510	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Americium-241	63	0.210	0.210	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Bismuth-207	1.2	0.080	0.080	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Cesium-137	3.8	0.100	0.100	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Lead-210	7.4	2.600	2.600	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Lead-212	16.6	0.700	0.210			1464678.645	598535.600
SU2-124-008	11/21/2005	Lead-214	8.9	0.750	0.180			1464678.645	598535.600
SU2-124-008	11/21/2005	Plutonium-238	55	7.120	0.060			1464678.645	598535.600
SU2-124-008	11/21/2005	Plutonium-239/240	62	0.062	0.046	J	J	1464678.645	598535.600
SU2-124-008	11/21/2005	Potassium-40	47.8	26.200	0.200			1464678.645	598535.600
SU2-124-008	11/21/2005	Protactinium-231	4	3.000	3.000	U	U	1464678.645	598535.600
SU2-124-008	11/21/2005	Radium-226	2.9	0.660	0.450		J	1464678.645	598535.600
SU2-124-008	11/21/2005	Radium-228	2.1	0.700	0.690			1464678.645	598535.600
SU2-124-008	11/21/2005	Strontium-90	94.72	0.530	0.530	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Thallium-208	0.498	0.210	0.100		J	1464678.645	598535.600
SU2-124-008	11/21/2005	Thorium-228	2.6	1.030	0.100			1464678.645	598535.600
SU2-124-008	11/21/2005	Thorium-230	2.8	0.960	0.060			1464678.645	598535.600
SU2-124-008	11/21/2005	Thorium-232	2.1	1.000	0.060			1464678.645	598535.600
SU2-124-008	11/21/2005	Tritium	75*	0.630	0.630	U	UJ	1464678.645	598535.600
SU2-124-008	11/21/2005	Uranium-234	2	0.880	0.040			1464678.645	598535.600
SU2-124-008	11/21/2005	Uranium-235	3.2	0.068	0.030	J	J	1464678.645	598535.600
SU2-124-008	11/21/2005	Uranium-238	2.2	0.960	0.040			1464678.645	598535.600
SU2-124-009	11/21/2005	Actinium-227	4.6	0.660	0.660	U	U	1464566.145	598548.590
SU2-124-009	11/21/2005	Actinium-228	1.93	1.120	0.480			1464566.145	598548.590
SU2-124-009	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Bismuth-207	1.2	0.099	0.099	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Cobalt-60	0.7	0.150	0.150	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Lead-210	7.4	2.800	2.800	U	U	1464566.145	598548.590
SU2-124-009	11/21/2005	Lead-212	16.6	0.970	0.240			1464566.145	598548.590
SU2-124-009	11/21/2005	Lead-214	8.9	0.850	0.200			1464566.145	598548.590
SU2-124-009	11/21/2005	Plutonium-238	55	0.176	0.058	J	J	1464566.145	598548.590
SU2-124-009	11/21/2005	Plutonium-239/240	62	0.029	0.029	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Potassium-40	47.8	35.800	1.100			1464566.145	598548.590
SU2-124-009	11/21/2005	Protactinium-231	4	3.100	3.100	U	U	1464566.145	598548.590
SU2-124-009	11/21/2005	Radium-226	2.9	0.880	0.470		J	1464566.145	598548.590
SU2-124-009	11/21/2005	Radium-228	2.1	1.120	0.480			1464566.145	598548.590
SU2-124-009	11/21/2005	Strontium-90	94.72	0.740	0.740	U	U	1464566.145	598548.590
SU2-124-009	11/21/2005	Thallium-208	0.498	0.470	0.120		J	1464566.145	598548.590

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-009	11/21/2005	Thorium-228	2.6	0.940	0.120			1464566.145	598548.590
SU2-124-009	11/21/2005	Thorium-230	2.8	0.840	0.080			1464566.145	598548.590
SU2-124-009	11/21/2005	Thorium-232	2.1	1.120	0.480			1464566.145	598548.590
SU2-124-009	11/21/2005	Thorium-232	2.1	0.790	0.090			1464566.145	598548.590
SU2-124-009	11/21/2005	Tritium	75*	3.580	0.640			1464566.145	598548.590
SU2-124-009	11/21/2005	Uranium-234	2	0.830	0.040			1464566.145	598548.590
SU2-124-009	11/21/2005	Uranium-235	3.2	0.045	0.045	U	UJ	1464566.145	598548.590
SU2-124-009	11/21/2005	Uranium-238	2.2	0.800	0.020			1464566.145	598548.590
SU2-124-010	11/21/2005	Actinium-227	4.6	0.550	0.550	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Actinium-228	1.93	0.990	0.540			1464581.145	598548.590
SU2-124-010	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Cesium-137	3.8	0.160	0.160	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Cobalt-60	0.7	0.150	0.150	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Lead-210	7.4	2.700	2.700	U	U	1464581.145	598548.590
SU2-124-010	11/21/2005	Lead-212	16.6	1.090	0.200			1464581.145	598548.590
SU2-124-010	11/21/2005	Lead-214	8.9	0.810	0.200			1464581.145	598548.590
SU2-124-010	11/21/2005	Plutonium-238	55	0.106	0.058	J	J	1464581.145	598548.590
SU2-124-010	11/21/2005	Plutonium-239/240	62	0.044	0.044	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Potassium-40	47.8	31.700	0.800			1464581.145	598548.590
SU2-124-010	11/21/2005	Protactinium-231	4	3.100	3.100	U	UJ	1464581.145	598548.590
SU2-124-010	11/21/2005	Radium-226	2.9	0.740	0.470		J	1464581.145	598548.590
SU2-124-010	11/21/2005	Radium-228	2.1	0.990	0.540			1464581.145	598548.590
SU2-124-010	11/21/2005	Strontium-90	94.72	1.300	1.300	U	U	1464581.145	598548.590
SU2-124-010	11/21/2005	Thallium-208	0.498	0.390	0.120		J	1464581.145	598548.590
SU2-124-010	11/21/2005	Thorium-228	2.6	1.120	0.180			1464581.145	598548.590
SU2-124-010	11/21/2005	Thorium-230	2.8	0.700	0.140			1464581.145	598548.590
SU2-124-010	11/21/2005	Thorium-232	2.1	1.200	0.150			1464581.145	598548.590
SU2-124-010	11/21/2005	Thorium-232	2.1	0.990	0.540			1464581.145	598548.590
SU2-124-010	11/21/2005	Tritium	75*	8.900	0.600			1464581.145	598548.590
SU2-124-010	11/21/2005	Uranium-234	2	0.670	0.030			1464581.145	598548.590
SU2-124-010	11/21/2005	Uranium-235	3.2	0.047	0.032	J	J	1464581.145	598548.590
SU2-124-010	11/21/2005	Uranium-238	2.2	0.850	0.040			1464581.145	598548.590
SU2-124-011	11/21/2005	Actinium-227	4.6	0.540	0.540	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Actinium-228	1.93	0.990	0.430			1464596.145	598548.590
SU2-124-011	11/21/2005	Americium-241	63	0.260	0.260	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Bismuth-207	1.2	0.093	0.093	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Bismuth-210M	8.3	0.160	0.160	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Cesium-137	3.8	0.130	0.130	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Lead-210	7.4	3.300	3.300	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Lead-212	16.6	0.980	0.240			1464596.145	598548.590
SU2-124-011	11/21/2005	Lead-214	8.9	0.910	0.200			1464596.145	598548.590
SU2-124-011	11/21/2005	Plutonium-238	55	14.800	0.060			1464596.145	598548.590
SU2-124-011	11/21/2005	Plutonium-239/240	62	0.122	0.038	J	J	1464596.145	598548.590
SU2-124-011	11/21/2005	Potassium-40	47.8	23.000	1.000			1464596.145	598548.590
SU2-124-011	11/21/2005	Protactinium-231	4	3.400	3.400	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Radium-226	2.9	0.570	0.520		J	1464596.145	598548.590
SU2-124-011	11/21/2005	Radium-228	2.1	0.990	0.430			1464596.145	598548.590
SU2-124-011	11/21/2005	Strontium-90	94.72	0.410	0.410	U	UJ	1464596.145	598548.590
SU2-124-011	11/21/2005	Thallium-208	0.498	0.290	0.130		J	1464596.145	598548.590
SU2-124-011	11/21/2005	Thorium-228	2.6	0.920	0.120			1464596.145	598548.590
SU2-124-011	11/21/2005	Thorium-230	2.8	0.850	0.060			1464596.145	598548.590
SU2-124-011	11/21/2005	Thorium-232	2.1	0.990	0.430			1464596.145	598548.590
SU2-124-011	11/21/2005	Thorium-232	2.1	0.920	0.100			1464596.145	598548.590
SU2-124-011	11/21/2005	Tritium	75*	28.700	0.700			1464596.145	598548.590
SU2-124-011	11/21/2005	Uranium-234	2	1.010	0.040			1464596.145	598548.590
SU2-124-011	11/21/2005	Uranium-235	3.2	0.032	0.029	J	J	1464596.145	598548.590
SU2-124-011	11/21/2005	Uranium-238	2.2	0.650	0.020			1464596.145	598548.590

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-012	11/21/2005	Actinium-227	4.6	0.730	0.730	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Cobalt-60	0.7	0.160	0.160	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Lead-210	7.4	2.900	2.900	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Lead-212	16.6	1.040	0.240			1464611.145	598548.590
SU2-124-012	11/21/2005	Lead-214	8.9	0.770	0.210			1464611.145	598548.590
SU2-124-012	11/21/2005	Plutonium-238	55	1.550	0.060			1464611.145	598548.590
SU2-124-012	11/21/2005	Plutonium-239/240	62	0.041	0.041	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Potassium-40	47.8	27.000	1.700			1464611.145	598548.590
SU2-124-012	11/21/2005	Protactinium-231	4	3.100	3.100	U	UJ	1464611.145	598548.590
SU2-124-012	11/21/2005	Radium-226	2.9	0.870	0.490		J	1464611.145	598548.590
SU2-124-012	11/21/2005	Radium-228	2.1	1.020	0.830			1464611.145	598548.590
SU2-124-012	11/21/2005	Strontium-90	94.72	0.530	0.530	U	U	1464611.145	598548.590
SU2-124-012	11/21/2005	Thallium-208	0.498	0.350	0.110		J	1464611.145	598548.590
SU2-124-012	11/21/2005	Thorium-228	2.6	0.760	0.090			1464611.145	598548.590
SU2-124-012	11/21/2005	Thorium-230	2.8	1.080	0.070			1464611.145	598548.590
SU2-124-012	11/21/2005	Thorium-232	2.1	0.910	0.070			1464611.145	598548.590
SU2-124-012	11/21/2005	Tritium	75*	7.300	0.600			1464611.145	598548.590
SU2-124-012	11/21/2005	Uranium-234	2	0.920	0.050			1464611.145	598548.590
SU2-124-012	11/21/2005	Uranium-235	3.2	0.036	0.033	J	J	1464611.145	598548.590
SU2-124-012	11/21/2005	Uranium-238	2.2	0.820	0.030			1464611.145	598548.590
SU2-124-018	11/21/2005	Actinium-227	4.6	0.500	0.500	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Actinium-228	1.93	0.980	0.270			1464573.645	598561.580
SU2-124-018	11/21/2005	Americium-241	63	0.170	0.170	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Bismuth-207	1.2	0.096	0.096	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Bismuth-210M	8.3	0.098	0.098	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Bismuth-214	1.17	0.920	0.210			1464573.645	598561.580
SU2-124-018	11/21/2005	Cesium-137	3.8	0.120	0.120	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Cobalt-60	0.7	0.130	0.130	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Lead-210	7.4	2.200	2.200	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Lead-212	16.6	0.990	0.180			1464573.645	598561.580
SU2-124-018	11/21/2005	Lead-214	8.9	0.920	0.180			1464573.645	598561.580
SU2-124-018	11/21/2005	Plutonium-238	55	0.440	0.080			1464573.645	598561.580
SU2-124-018	11/21/2005	Plutonium-239/240	62	0.051	0.051	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Potassium-40	47.8	28.100	1.100			1464573.645	598561.580
SU2-124-018	11/21/2005	Protactinium-231	4	2.800	2.800	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Radium-226	2.9	0.920	0.210		J	1464573.645	598561.580
SU2-124-018	11/21/2005	Radium-228	2.1	0.980	0.270			1464573.645	598561.580
SU2-124-018	11/21/2005	Strontium-90	94.72	0.510	0.510	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Thallium-208	0.498	0.310	0.100		J	1464573.645	598561.580
SU2-124-018	11/21/2005	Thorium-228	2.6	1.020	0.110			1464573.645	598561.580
SU2-124-018	11/21/2005	Thorium-230	2.8	0.900	0.070			1464573.645	598561.580
SU2-124-018	11/21/2005	Thorium-232	2.1	0.980	0.270			1464573.645	598561.580
SU2-124-018	11/21/2005	Thorium-232	2.1	0.890	0.070			1464573.645	598561.580
SU2-124-018	11/21/2005	Tritium	75*	0.840	0.640	J	J	1464573.645	598561.580
SU2-124-018	11/21/2005	Uranium-234	2	0.500	0.050			1464573.645	598561.580
SU2-124-018	11/21/2005	Uranium-235	3.2	0.030	0.030	U	UJ	1464573.645	598561.580
SU2-124-018	11/21/2005	Uranium-238	2.2	0.800	0.020			1464573.645	598561.580
SU2-124-019	11/21/2005	Actinium-227	4.6	0.600	0.600	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Actinium-227	4.6	0.500	0.500	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Actinium-228	1.93	0.470	0.370			1464588.645	598561.580
SU2-124-019	11/21/2005	Americium-241	63	0.300	0.300	U	U	1464588.645	598561.580
SU2-124-019D	11/21/2005	Americium-241	63	0.240	0.240	U	U	1464588.645	598561.580
SU2-124-019	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Bismuth-207	1.2	0.083	0.083	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464588.645	598561.580

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-019	11/21/2005	Bismuth-214	1.17	0.750	0.260			1464588.645	598561.580
SU2-124-019D	11/21/2005	Cesium-137	3.8	0.150	0.150	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Cesium-137	3.8	0.120	0.120	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Cobalt-60	0.7	0.130	0.130	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Lead-210	7.4	3.200	3.200	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Lead-210	7.4	2.500	2.500	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Lead-212	16.6	0.870	0.200			1464588.645	598561.580
SU2-124-019	11/21/2005	Lead-212	16.6	0.770	0.220			1464588.645	598561.580
SU2-124-019D	11/21/2005	Lead-214	8.9	0.960	0.180			1464588.645	598561.580
SU2-124-019	11/21/2005	Lead-214	8.9	0.810	0.220			1464588.645	598561.580
SU2-124-019	11/21/2005	Plutonium-238	55	35.400	0.060		J	1464588.645	598561.580
SU2-124-019D	11/21/2005	Plutonium-238	55	12.500	0.100		J	1464588.645	598561.580
SU2-124-019	11/21/2005	Plutonium-239/240	62	0.350	0.050			1464588.645	598561.580
SU2-124-019D	11/21/2005	Plutonium-239/240	62	0.099	0.050	J	J	1464588.645	598561.580
SU2-124-019	11/21/2005	Potassium-40	47.8	23.600	1.700			1464588.645	598561.580
SU2-124-019D	11/21/2005	Potassium-40	47.8	21.600	0.900			1464588.645	598561.580
SU2-124-019	11/21/2005	Protactinium-231	4	3.300	3.300	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Protactinium-231	4	2.800	2.800	U	U	1464588.645	598561.580
SU2-124-019	11/21/2005	Radium-226	2.9	0.750	0.260		J	1464588.645	598561.580
SU2-124-019D	11/21/2005	Radium-226	2.9	0.660	0.420		J	1464588.645	598561.580
SU2-124-019	11/21/2005	Radium-228	2.1	0.840	0.840	U	U	1464588.645	598561.580
SU2-124-019D	11/21/2005	Radium-228	2.1	0.470	0.370			1464588.645	598561.580
SU2-124-019D	11/21/2005	Strontium-90	94.72	0.960	0.960	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Strontium-90	94.72	0.510	0.510	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Thallium-208	0.498	0.400	0.150		J	1464588.645	598561.580
SU2-124-019D	11/21/2005	Thallium-208	0.498	0.330	0.130			1464588.645	598561.580
SU2-124-019D	11/21/2005	Thorium-228	2.6	1.180	0.120			1464588.645	598561.580
SU2-124-019	11/21/2005	Thorium-228	2.6	1.030	0.130			1464588.645	598561.580
SU2-124-019	11/21/2005	Thorium-230	2.8	0.990	0.070		J	1464588.645	598561.580
SU2-124-019D	11/21/2005	Thorium-230	2.8	0.670	0.050		J	1464588.645	598561.580
SU2-124-019	11/21/2005	Thorium-232	2.1	1.040	0.040			1464588.645	598561.580
SU2-124-019D	11/21/2005	Thorium-232	2.1	1.010	0.080			1464588.645	598561.580
SU2-124-019D	11/21/2005	Thorium-232	2.1	0.470	0.370			1464588.645	598561.580
SU2-124-019D	11/21/2005	Tritium	75*	22.400	0.500			1464588.645	598561.580
SU2-124-019	11/21/2005	Tritium	75*	17.700	0.600			1464588.645	598561.580
SU2-124-019D	11/21/2005	Uranium-234	2	0.940	0.050		J	1464588.645	598561.580
SU2-124-019	11/21/2005	Uranium-234	2	0.550	0.060		J	1464588.645	598561.580
SU2-124-019D	11/21/2005	Uranium-235	3.2	0.051	0.051	U	UJ	1464588.645	598561.580
SU2-124-019	11/21/2005	Uranium-235	3.2	0.046	0.046	U	UJ	1464588.645	598561.580
SU2-124-019D	11/21/2005	Uranium-238	2.2	0.780	0.030			1464588.645	598561.580
SU2-124-019	11/21/2005	Uranium-238	2.2	0.680	0.040			1464588.645	598561.580
SU2-124-020	11/21/2005	Actinium-227	4.6	0.610	0.610	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Actinium-228	1.93	1.070	0.470			1464603.645	598561.580
SU2-124-020	11/21/2005	Americium-241	63	0.240	0.240	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Bismuth-207	1.2	0.098	0.098	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Cesium-137	3.8	0.150	0.150	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Lead-210	7.4	2.800	2.800	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Lead-212	16.6	1.030	0.210			1464603.645	598561.580
SU2-124-020	11/21/2005	Lead-214	8.9	0.790	0.210			1464603.645	598561.580
SU2-124-020	11/21/2005	Plutonium-238	55	1.680	0.060			1464603.645	598561.580
SU2-124-020	11/21/2005	Plutonium-239/240	62	0.051	0.051	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Potassium-40	47.8	28.200	1.800			1464603.645	598561.580
SU2-124-020	11/21/2005	Protactinium-231	4	3.200	3.200	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Radium-226	2.9	0.940	0.540		J	1464603.645	598561.580
SU2-124-020	11/21/2005	Radium-228	2.1	1.070	0.470			1464603.645	598561.580
SU2-124-020	11/21/2005	Strontium-90	94.72	0.680	0.680	U	UJ	1464603.645	598561.580
SU2-124-020	11/21/2005	Thallium-208	0.498	0.310	0.120			1464603.645	598561.580

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-020	11/21/2005	Thorium-228	2.6	1.100	0.150			1464603.645	598561.580
SU2-124-020	11/21/2005	Thorium-230	2.8	1.120	0.080		J	1464603.645	598561.580
SU2-124-020	11/21/2005	Thorium-232	2.1	1.290	0.070			1464603.645	598561.580
SU2-124-020	11/21/2005	Thorium-232	2.1	1.070	0.470			1464603.645	598561.580
SU2-124-020	11/21/2005	Tritium	75*	7.200	0.600			1464603.645	598561.580
SU2-124-020	11/21/2005	Uranium-234	2	0.890	0.040			1464603.645	598561.580
SU2-124-020	11/21/2005	Uranium-235	3.2	0.036	0.032	J	J	1464603.645	598561.580
SU2-124-020	11/21/2005	Uranium-238	2.2	0.650	0.040			1464603.645	598561.580
SU2-124-021	11/21/2005	Actinium-227	4.6	0.760	0.760	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Actinium-228	1.93	1.150	0.520			1464618.645	598561.580
SU2-124-021	11/21/2005	Americium-241	63	0.340	0.340	U	U	1464618.645	598561.580
SU2-124-021	11/21/2005	Bismuth-207	1.2	0.120	0.120	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Bismuth-210M	8.3	0.180	0.180	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Cesium-137	3.8	0.170	0.170	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Cobalt-60	0.7	0.180	0.180	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Lead-210	7.4	3.700	3.700	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Lead-212	16.6	1.030	0.270			1464618.645	598561.580
SU2-124-021	11/21/2005	Lead-214	8.9	0.990	0.160			1464618.645	598561.580
SU2-124-021	11/21/2005	Plutonium-238	55	20.900	0.060			1464618.645	598561.580
SU2-124-021	11/21/2005	Plutonium-239/240	62	0.300	0.070			1464618.645	598561.580
SU2-124-021	11/21/2005	Potassium-40	47.8	28.200	1.200			1464618.645	598561.580
SU2-124-021	11/21/2005	Protactinium-231	4	3.700	3.700	U	UJ	1464618.645	598561.580
SU2-124-021	11/21/2005	Radium-226	2.9	0.630	0.570		J	1464618.645	598561.580
SU2-124-021	11/21/2005	Radium-228	2.1	1.150	0.520			1464618.645	598561.580
SU2-124-021	11/21/2005	Strontium-90	94.72	0.790	0.690	J	J	1464618.645	598561.580
SU2-124-021	11/21/2005	Thallium-208	0.498	0.260	0.160			1464618.645	598561.580
SU2-124-021	11/21/2005	Thorium-228	2.6	1.370	0.150			1464618.645	598561.580
SU2-124-021	11/21/2005	Thorium-230	2.8	0.870	0.090			1464618.645	598561.580
SU2-124-021	11/21/2005	Thorium-232	2.1	1.150	0.520			1464618.645	598561.580
SU2-124-021	11/21/2005	Thorium-232	2.1	0.970	0.080			1464618.645	598561.580
SU2-124-021	11/21/2005	Tritium	75*	43.600	0.700			1464618.645	598561.580
SU2-124-021	11/21/2005	Uranium-234	2	1.160	0.050			1464618.645	598561.580
SU2-124-021	11/21/2005	Uranium-235	3.2	0.048	0.032	J	J	1464618.645	598561.580
SU2-124-021	11/21/2005	Uranium-238	2.2	0.900	0.050			1464618.645	598561.580
SU2-124-022	11/21/2005	Actinium-227	4.6	0.690	0.670			1464633.645	598561.580
SU2-124-022	11/21/2005	Americium-241	63	0.200	0.200	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Bismuth-207	1.2	0.100	0.100	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Cobalt-60	0.7	0.160	0.160	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Lead-210	7.4	2.500	2.500	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Lead-212	16.6	0.860	0.180			1464633.645	598561.580
SU2-124-022	11/21/2005	Plutonium-238	55	2.280	0.110			1464633.645	598561.580
SU2-124-022	11/21/2005	Plutonium-239/240	62	0.076	0.076	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Potassium-40	47.8	24.600	1.700			1464633.645	598561.580
SU2-124-022	11/21/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Radium-226	2.9	0.660	0.430		J	1464633.645	598561.580
SU2-124-022	11/21/2005	Radium-228	2.1	0.730	0.680			1464633.645	598561.580
SU2-124-022	11/21/2005	Strontium-90	94.72	0.640	0.640	U	U	1464633.645	598561.580
SU2-124-022	11/21/2005	Thallium-208	0.498	0.210	0.130			1464633.645	598561.580
SU2-124-022	11/21/2005	Thorium-228	2.6	1.250	0.200			1464633.645	598561.580
SU2-124-022	11/21/2005	Thorium-230	2.8	0.830	0.120			1464633.645	598561.580
SU2-124-022	11/21/2005	Thorium-232	2.1	0.810	0.110			1464633.645	598561.580
SU2-124-022	11/21/2005	Tritium	75*	0.910	0.670	J	J	1464633.645	598561.580
SU2-124-022	11/21/2005	Uranium-234	2	0.660	0.050			1464633.645	598561.580
SU2-124-022	11/21/2005	Uranium-235	3.2	0.034	0.034	U	UJ	1464633.645	598561.580
SU2-124-022	11/21/2005	Uranium-238	2.2	0.760	0.040			1464633.645	598561.580
SU2-124-023	11/21/2005	Actinium-227	4.6	0.570	0.570	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Actinium-228	1.93	0.450	0.390			1464701.145	598548.590
SU2-124-023	11/21/2005	Americium-241	63	0.230	0.230	U	UJ	1464701.145	598548.590

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-023	11/21/2005	Bismuth-207	1.2	0.097	0.097	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Cesium-137	3.8	0.160	0.160	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Cobalt-60	0.7	0.130	0.130	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Lead-210	7.4	2.900	2.900	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Lead-212	16.6	0.910	0.210			1464701.145	598548.590
SU2-124-023	11/21/2005	Lead-214	8.9	0.710	0.170			1464701.145	598548.590
SU2-124-023	11/21/2005	Plutonium-238	55	0.230	0.080			1464701.145	598548.590
SU2-124-023	11/21/2005	Plutonium-239/240	62	0.056	0.056	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Potassium-40	47.8	30.000	1.300			1464701.145	598548.590
SU2-124-023	11/21/2005	Protactinium-231	4	3.600	3.600	U	U	1464701.145	598548.590
SU2-124-023	11/21/2005	Radium-226	2.9	0.630	0.460		J	1464701.145	598548.590
SU2-124-023	11/21/2005	Radium-228	2.1	0.450	0.390			1464701.145	598548.590
SU2-124-023	11/21/2005	Strontium-90	94.72	0.660	0.660	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Thallium-208	0.498	0.340	0.100			1464701.145	598548.590
SU2-124-023	11/21/2005	Thorium-228	2.6	1.020	0.170			1464701.145	598548.590
SU2-124-023	11/21/2005	Thorium-230	2.8	0.670	0.100			1464701.145	598548.590
SU2-124-023	11/21/2005	Thorium-232	2.1	1.470	0.100			1464701.145	598548.590
SU2-124-023	11/21/2005	Thorium-232	2.1	0.450	0.390			1464701.145	598548.590
SU2-124-023	11/21/2005	Tritium	75*	0.770	0.770	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Uranium-234	2	0.590	0.060			1464701.145	598548.590
SU2-124-023	11/21/2005	Uranium-235	3.2	0.051	0.051	U	UJ	1464701.145	598548.590
SU2-124-023	11/21/2005	Uranium-238	2.2	0.650	0.050			1464701.145	598548.590
SU2-124-024	11/21/2005	Actinium-227	4.6	0.390	0.390	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Actinium-228	1.93	0.820	0.260			1464596.145	598574.571
SU2-124-024	11/21/2005	Americium-241	63	0.140	0.140	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Bismuth-207	1.2	0.075	0.075	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Bismuth-210M	8.3	0.091	0.091	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Bismuth-214	1.17	0.490	0.170			1464596.145	598574.571
SU2-124-024	11/21/2005	Cesium-137	3.8	0.110	0.110	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Cobalt-60	0.7	0.078	0.078	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Lead-210	7.4	2.200	2.200	U	U	1464596.145	598574.571
SU2-124-024	11/21/2005	Lead-212	16.6	0.580	0.180			1464596.145	598574.571
SU2-124-024	11/21/2005	Lead-214	8.9	0.530	0.120			1464596.145	598574.571
SU2-124-024	11/21/2005	Plutonium-238	55	0.960	0.080			1464596.145	598574.571
SU2-124-024	11/21/2005	Plutonium-239/240	62	0.042	0.042	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Potassium-40	47.8	15.600	0.700			1464596.145	598574.571
SU2-124-024	11/21/2005	Protactinium-231	4	2.600	2.600	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Radium-226	2.9	0.490	0.170		J	1464596.145	598574.571
SU2-124-024	11/21/2005	Radium-228	2.1	0.820	0.260			1464596.145	598574.571
SU2-124-024	11/21/2005	Strontium-90	94.72	0.620	0.620	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Thallium-208	0.498	0.175	0.090			1464596.145	598574.571
SU2-124-024	11/21/2005	Thorium-228	2.6	0.870	0.110			1464596.145	598574.571
SU2-124-024	11/21/2005	Thorium-230	2.8	0.900	0.090			1464596.145	598574.571
SU2-124-024	11/21/2005	Thorium-232	2.1	0.990	0.070			1464596.145	598574.571
SU2-124-024	11/21/2005	Thorium-232	2.1	0.820	0.260			1464596.145	598574.571
SU2-124-024	11/21/2005	Tritium	75*	0.630	0.630	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Uranium-234	2	0.660	0.030			1464596.145	598574.571
SU2-124-024	11/21/2005	Uranium-235	3.2	0.050	0.050	U	UJ	1464596.145	598574.571
SU2-124-024	11/21/2005	Uranium-238	2.2	0.720	0.040			1464596.145	598574.571
SU2-124-025	11/21/2005	Actinium-227	4.6	0.630	0.630	U	U	1464611.145	598574.571
SU2-124-025	11/21/2005	Americium-241	63	0.190	0.190	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Bismuth-207	1.2	0.093	0.093	U	U	1464611.145	598574.571
SU2-124-025	11/21/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Cesium-137	3.8	0.099	0.099	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Cobalt-60	0.7	0.150	0.150	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Lead-210	7.4	2.600	2.600	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Lead-212	16.6	0.800	0.170			1464611.145	598574.571
SU2-124-025	11/21/2005	Lead-214	8.9	0.650	0.180			1464611.145	598574.571
SU2-124-025	11/21/2005	Plutonium-238	55	1.400	0.060			1464611.145	598574.571

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-025	11/21/2005	Plutonium-239/240	62	0.027	0.025	J	J	1464611.145	598574.571
SU2-124-025	11/21/2005	Potassium-40	47.8	22.100	1.200			1464611.145	598574.571
SU2-124-025	11/21/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Radium-226	2.9	0.600	0.390		J	1464611.145	598574.571
SU2-124-025	11/21/2005	Radium-228	2.1	0.680	0.680	U	U	1464611.145	598574.571
SU2-124-025	11/21/2005	Strontium-90	94.72	0.870	0.870	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Thallium-208	0.498	0.330	0.090			1464611.145	598574.571
SU2-124-025	11/21/2005	Thorium-228	2.6	1.260	0.130			1464611.145	598574.571
SU2-124-025	11/21/2005	Thorium-230	2.8	1.130	0.100			1464611.145	598574.571
SU2-124-025	11/21/2005	Thorium-232	2.1	0.950	0.050			1464611.145	598574.571
SU2-124-025	11/21/2005	Tritium	75*	1.760	0.620	J	J	1464611.145	598574.571
SU2-124-025	11/21/2005	Uranium-234	2	1.190	0.030			1464611.145	598574.571
SU2-124-025	11/21/2005	Uranium-235	3.2	0.032	0.032	U	UJ	1464611.145	598574.571
SU2-124-025	11/21/2005	Uranium-238	2.2	0.780	0.030			1464611.145	598574.571
SU2-124-026	11/21/2005	Actinium-227	4.6	0.640	0.640	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Americium-241	63	0.260	0.260	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Cobalt-60	0.7	0.170	0.170	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Lead-210	7.4	3.200	3.200	U	U	1464626.145	598574.571
SU2-124-026	11/21/2005	Lead-212	16.6	1.110	0.210			1464626.145	598574.571
SU2-124-026	11/21/2005	Lead-214	8.9	1.230	0.200			1464626.145	598574.571
SU2-124-026	11/21/2005	Plutonium-238	55	2.740	0.070			1464626.145	598574.571
SU2-124-026	11/21/2005	Plutonium-239/240	62	0.063	0.063	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Potassium-40	47.8	24.100	1.200			1464626.145	598574.571
SU2-124-026	11/21/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Radium-226	2.9	1.180	0.610		J	1464626.145	598574.571
SU2-124-026	11/21/2005	Radium-228	2.1	1.050	0.930			1464626.145	598574.571
SU2-124-026	11/21/2005	Strontium-90	94.72	0.810	0.810	U	UJ	1464626.145	598574.571
SU2-124-026	11/21/2005	Thallium-208	0.498	0.310	0.110			1464626.145	598574.571
SU2-124-026	11/21/2005	Thorium-228	2.6	0.910	0.080			1464626.145	598574.571
SU2-124-026	11/21/2005	Thorium-230	2.8	1.190	0.070			1464626.145	598574.571
SU2-124-026	11/21/2005	Thorium-232	2.1	1.130	0.060			1464626.145	598574.571
SU2-124-026	11/21/2005	Tritium	75*	2.590	0.640			1464626.145	598574.571
SU2-124-026	11/21/2005	Uranium-234	2	0.730	0.060			1464626.145	598574.571
SU2-124-026	11/21/2005	Uranium-235	3.2	0.036	0.032	J	J	1464626.145	598574.571
SU2-124-026	11/21/2005	Uranium-238	2.2	1.000	0.040			1464626.145	598574.571
SU2-124-027	11/21/2005	Actinium-227	4.6	0.660	0.660	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Americium-241	63	0.250	0.250	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Bismuth-210M	8.3	0.140	0.140	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Cesium-137	3.8	0.160	0.160	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Cobalt-60	0.7	0.190	0.190	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Lead-210	7.4	3.000	3.000	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Lead-212	16.6	1.280	0.240			1464716.145	598548.590
SU2-124-027	11/21/2005	Lead-214	8.9	0.950	0.230			1464716.145	598548.590
SU2-124-027	11/21/2005	Plutonium-238	55	0.094	0.094	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Plutonium-239/240	62	0.076	0.076	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Potassium-40	47.8	42.200	1.400			1464716.145	598548.590
SU2-124-027	11/21/2005	Protactinium-231	4	3.900	3.900	U	U	1464716.145	598548.590
SU2-124-027	11/21/2005	Radium-226	2.9	0.830	0.530		J	1464716.145	598548.590
SU2-124-027	11/21/2005	Radium-228	2.1	1.420	1.000			1464716.145	598548.590
SU2-124-027	11/21/2005	Strontium-90	94.72	0.930	0.930	U	UJ	1464716.145	598548.590
SU2-124-027	11/21/2005	Thallium-208	0.498	0.330	0.130			1464716.145	598548.590
SU2-124-027	11/21/2005	Thorium-228	2.6	0.990	0.150			1464716.145	598548.590
SU2-124-027	11/21/2005	Thorium-230	2.8	0.790	0.110			1464716.145	598548.590
SU2-124-027	11/21/2005	Thorium-232	2.1	1.100	0.120			1464716.145	598548.590
SU2-124-027	11/21/2005	Tritium	75*	2.320	0.660			1464716.145	598548.590
SU2-124-027	11/21/2005	Uranium-234	2	0.990	0.040			1464716.145	598548.590

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU2-124-027	11/21/2005	Uranium-235	3.2	0.048	0.033	J	J	1464716.145	598548.590
SU2-124-027	11/21/2005	Uranium-238	2.2	0.840	0.030			1464716.145	598548.590
SU2-124-028	11/21/2005	Actinium-227	4.6	0.650	0.650	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Actinium-228	1.93	0.880	0.440			1464716.145	598574.571
SU2-124-028	11/21/2005	Americium-241	63	0.230	0.230	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Bismuth-207	1.2	0.089	0.089	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Cesium-137	3.8	0.180	0.180	U	U	1464716.145	598574.571
SU2-124-028	11/21/2005	Cobalt-60	0.7	0.150	0.150	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Lead-210	7.4	3.200	3.200	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Lead-212	16.6	0.710	0.230			1464716.145	598574.571
SU2-124-028	11/21/2005	Lead-214	8.9	0.560	0.210			1464716.145	598574.571
SU2-124-028	11/21/2005	Plutonium-238	55	0.174	0.081	J	J	1464716.145	598574.571
SU2-124-028	11/21/2005	Plutonium-239/240	62	0.028	0.028	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Potassium-40	47.8	18.600	1.200			1464716.145	598574.571
SU2-124-028	11/21/2005	Protactinium-231	4	3.400	3.400	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Radium-226	2.9	0.760	0.520		J	1464716.145	598574.571
SU2-124-028	11/21/2005	Radium-228	2.1	0.880	0.440			1464716.145	598574.571
SU2-124-028	11/21/2005	Strontium-90	94.72	0.970	0.970	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Thallium-208	0.498	0.290	0.120			1464716.145	598574.571
SU2-124-028	11/21/2005	Thorium-228	2.6	0.810	0.090			1464716.145	598574.571
SU2-124-028	11/21/2005	Thorium-230	2.8	0.620	0.060			1464716.145	598574.571
SU2-124-028	11/21/2005	Thorium-232	2.1	0.910	0.040			1464716.145	598574.571
SU2-124-028	11/21/2005	Thorium-232	2.1	0.880	0.440			1464716.145	598574.571
SU2-124-028	11/21/2005	Tritium	75*	0.510	0.510	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Uranium-234	2	0.640	0.050			1464716.145	598574.571
SU2-124-028	11/21/2005	Uranium-235	3.2	0.050	0.050	U	UJ	1464716.145	598574.571
SU2-124-028	11/21/2005	Uranium-238	2.2	0.800	0.050			1464716.145	598574.571
SU1-124-029	03/01/2006	Actinium-227	4.6	0.390	0.390	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Actinium-228	1.93	0.760	0.290			1464612.250	598589.323
SU1-124-029	03/01/2006	Americium-241	63	0.180	0.180	U	U	1464612.250	598589.323
SU1-124-029	03/01/2006	Bismuth-207	1.2	0.071	0.071	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Bismuth-210M	8.3	0.091	0.091	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Cesium-137	3.8	0.120	0.120	U	U	1464612.250	598589.323
SU1-124-029	03/01/2006	Cobalt-60	0.7	0.130	0.130	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Lead-212	16.6	0.810	0.150			1464612.250	598589.323
SU1-124-029	03/01/2006	Lead-214	8.9	0.760	0.130			1464612.250	598589.323
SU1-124-029	03/01/2006	Plutonium-238	55	13.300	0.100			1464612.250	598589.323
SU1-124-029	03/01/2006	Plutonium-239/240	62	0.088	0.071	J	J	1464612.250	598589.323
SU1-124-029	03/01/2006	Potassium-40	47.8	22.400	0.600			1464612.250	598589.323
SU1-124-029	03/01/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Radium-226	2.9	0.630	0.350	J	J	1464612.250	598589.323
SU1-124-029	03/01/2006	Radium-228	2.1	0.760	0.290			1464612.250	598589.323
SU1-124-029	03/01/2006	Strontium-90	94.72	0.680	0.680	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Thallium-208	0.498	0.277	0.082			1464612.250	598589.323
SU1-124-029	03/01/2006	Thorium-228	2.6	1.130	0.180			1464612.250	598589.323
SU1-124-029	03/01/2006	Thorium-230	2.8	1.150	0.110			1464612.250	598589.323
SU1-124-029	03/01/2006	Thorium-232	2.1	0.980	0.150			1464612.250	598589.323
SU1-124-029	03/01/2006	Tritium	75*	23.400	0.500			1464612.250	598589.323
SU1-124-029	03/01/2006	Uranium-234	2	1.040	0.050			1464612.250	598589.323
SU1-124-029	03/01/2006	Uranium-235	3.2	0.034	0.034	U	UJ	1464612.250	598589.323
SU1-124-029	03/01/2006	Uranium-238	2.2	0.890	0.050			1464612.250	598589.323
SU1-124-030	11/14/2005	Actinium-227	4.6	0.590	0.590	U	U	1464604.750	598602.313
SU1-124-030	11/14/2005	Actinium-228	1.93	1.020	0.540			1464604.750	598602.313
SU1-124-030	11/14/2005	Americium-241	63	0.250	0.250	U	U	1464604.750	598602.313
SU1-124-030	11/14/2005	Bismuth-207	1.2	0.097	0.097	U	UJ	1464604.750	598602.313
SU1-124-030	11/14/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464604.750	598602.313
SU1-124-030	11/14/2005	Bismuth-214	1.17	0.780	0.250			1464604.750	598602.313
SU1-124-030	11/14/2005	Cesium-137	3.8	0.130	0.130	U	UJ	1464604.750	598602.313

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-030	11/14/2005	Cobalt-60	0.7	0.180	0.180	U	U	1464604.750	598602.313
SU1-124-030	11/14/2005	Lead-210	7.4	2.900	2.900	U	U	1464604.750	598602.313
SU1-124-030	11/14/2005	Lead-212	16.6	0.900	0.200			1464604.750	598602.313
SU1-124-030	11/14/2005	Lead-214	8.9	0.870	0.180			1464604.750	598602.313
SU1-124-030	11/14/2005	Plutonium-238	55	7.020	0.110		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Plutonium-239/240	62	0.059	0.052	J	J	1464604.750	598602.313
SU1-124-030	11/14/2005	Potassium-40	47.8	27.800	1.300			1464604.750	598602.313
SU1-124-030	11/14/2005	Protactinium-231	4	3.300	3.300	U	U	1464604.750	598602.313
SU1-124-030	11/14/2005	Radium-226	2.9	0.780	0.250		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Radium-228	2.1	1.020	0.540			1464604.750	598602.313
SU1-124-030	11/14/2005	Strontium-90	94.72	1.400	1.400	U	UJ	1464604.750	598602.313
SU1-124-030	11/14/2005	Thallium-208	0.498	0.380	0.100		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Thorium-228	2.6	1.070	0.100		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Thorium-230	2.8	1.180	0.050		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Thorium-232	2.1	1.110	0.060		J	1464604.750	598602.313
SU1-124-030	11/14/2005	Thorium-232	2.1	1.020	0.540			1464604.750	598602.313
SU1-124-030	11/14/2005	Tritium	75*	30.200	0.600			1464604.750	598602.313
SU1-124-030	11/14/2005	Uranium-234	2	0.990	0.030			1464604.750	598602.313
SU1-124-030	11/14/2005	Uranium-235	3.2	0.061	0.033	J	J	1464604.750	598602.313
SU1-124-030	11/14/2005	Uranium-238	2.2	0.800	0.040			1464604.750	598602.313
SU1-124-031	02/16/2006	Actinium-227	4.6	0.360	0.360	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Bismuth-207	1.2	0.073	0.073	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Bismuth-210M	8.3	0.073	0.073	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Cesium-137	3.8	0.097	0.097	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Cobalt-60	0.7	0.130	0.130	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Lead-210	7.4	1.800	1.800	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Lead-212	16.6	0.850	0.170			1464619.750	598602.313
SU1-124-031	02/16/2006	Lead-214	8.9	0.680	0.150			1464619.750	598602.313
SU1-124-031	02/16/2006	Plutonium-238	55	0.870	0.030			1464619.750	598602.313
SU1-124-031	02/16/2006	Plutonium-239/240	62	0.024	0.024	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Potassium-40	47.8	20.500	0.700			1464619.750	598602.313
SU1-124-031	02/16/2006	Protactinium-231	4	1.500	1.500	U	U	1464619.750	598602.313
SU1-124-031	02/16/2006	Radium-226	2.9	0.510	0.330	J	J	1464619.750	598602.313
SU1-124-031	02/16/2006	Radium-228	2.1	0.770	0.610			1464619.750	598602.313
SU1-124-031	02/16/2006	Strontium-90	94.72	0.710	0.710	U	UJ	1464619.750	598602.313
SU1-124-031	02/16/2006	Thallium-208	0.498	0.248	0.083			1464619.750	598602.313
SU1-124-031	02/16/2006	Thorium-228	2.6	1.050	0.050			1464619.750	598602.313
SU1-124-031	02/16/2006	Thorium-230	2.8	1.030	0.040			1464619.750	598602.313
SU1-124-031	02/16/2006	Thorium-232	2.1	1.000	0.100			1464619.750	598602.313
SU1-124-031	02/16/2006	Tritium	75*	1.650	0.430	J	J	1464619.750	598602.313
SU1-124-031	02/16/2006	Uranium-234	2	0.800	0.020			1464619.750	598602.313
SU1-124-031	02/16/2006	Uranium-235	3.2	0.045	0.023	J	J	1464619.750	598602.313
SU1-124-031	02/16/2006	Uranium-238	2.2	0.930	0.020			1464619.750	598602.313
SU1-124-032	02/16/2006	Actinium-227	4.6	0.500	0.500	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Actinium-228	1.93	0.750	0.200			1464597.250	598615.304
SU1-124-032	02/16/2006	Americium-241	63	0.180	0.180	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Bismuth-207	1.2	0.087	0.087	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Cesium-137	3.8	0.120	0.120	U	U	1464597.250	598615.304
SU1-124-032	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Lead-210	7.4	2.300	2.300	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Lead-212	16.6	0.660	0.160			1464597.250	598615.304
SU1-124-032	02/16/2006	Lead-214	8.9	0.640	0.180			1464597.250	598615.304
SU1-124-032	02/16/2006	Plutonium-238	55	0.820	0.030			1464597.250	598615.304
SU1-124-032	02/16/2006	Plutonium-239/240	62	0.022	0.022	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Potassium-40	47.8	18.700	0.800			1464597.250	598615.304
SU1-124-032	02/16/2006	Protactinium-231	4	1.900	1.900	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Radium-226	2.9	0.640	0.400	J	J	1464597.250	598615.304
SU1-124-032	02/16/2006	Radium-228	2.1	0.750	0.200			1464597.250	598615.304

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-032	02/16/2006	Strontium-90	94.72	1.200	1.200	U	UJ	1464597.250	598615.304
SU1-124-032	02/16/2006	Thorium-228	2.6	0.860	0.080			1464597.250	598615.304
SU1-124-032	02/16/2006	Thorium-230	2.8	1.020	0.040			1464597.250	598615.304
SU1-124-032	02/16/2006	Thorium-232	2.1	1.040	0.050			1464597.250	598615.304
SU1-124-032	02/16/2006	Tritium	75*	0.570	0.420	J	J	1464597.250	598615.304
SU1-124-032	02/16/2006	Uranium-234	2	0.780	0.020			1464597.250	598615.304
SU1-124-032	02/16/2006	Uranium-235	3.2	0.003	0.013	J	J	1464597.250	598615.304
SU1-124-032	02/16/2006	Uranium-238	2.2	0.750	0.020			1464597.250	598615.304
SU1-124-033	02/16/2006	Actinium-227	4.6	0.370	0.370	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Actinium-228	1.93	1.010	0.310			1464612.250	598615.304
SU1-124-033	02/16/2006	Americium-241	63	0.150	0.150	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Bismuth-207	1.2	0.058	0.058	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Bismuth-210M	8.3	0.083	0.083	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Bismuth-212	9.87	1.810	1.100			1464612.250	598615.304
SU1-124-033	02/16/2006	Cesium-137	3.8	0.071	0.071	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Cobalt-60	0.7	0.072	0.072	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Lead-210	7.4	1.800	1.800	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Lead-212	16.6	0.870	0.100			1464612.250	598615.304
SU1-124-033	02/16/2006	Lead-214	8.9	0.570	0.120			1464612.250	598615.304
SU1-124-033	02/16/2006	Plutonium-238	55	0.036	0.031	J	J	1464612.250	598615.304
SU1-124-033	02/16/2006	Plutonium-239/240	62	0.022	0.022	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Potassium-40	47.8	29.200	0.500			1464612.250	598615.304
SU1-124-033	02/16/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Radium-226	2.9	0.580	0.280	J	J	1464612.250	598615.304
SU1-124-033	02/16/2006	Radium-228	2.1	1.010	0.310			1464612.250	598615.304
SU1-124-033	02/16/2006	Strontium-90	94.72	1.100	1.100	U	UJ	1464612.250	598615.304
SU1-124-033	02/16/2006	Thallium-208	0.498	0.317	0.069			1464612.250	598615.304
SU1-124-033	02/16/2006	Thorium-228	2.6	1.250	0.070			1464612.250	598615.304
SU1-124-033	02/16/2006	Thorium-230	2.8	0.740	0.060			1464612.250	598615.304
SU1-124-033	02/16/2006	Thorium-232	2.1	0.980	0.040			1464612.250	598615.304
SU1-124-033	02/16/2006	Tritium	75*	20.100	0.400			1464612.250	598615.304
SU1-124-033	02/16/2006	Uranium-234	2	0.620	0.030			1464612.250	598615.304
SU1-124-033	02/16/2006	Uranium-235	3.2	0.037	0.020	J	J	1464612.250	598615.304
SU1-124-033	02/16/2006	Uranium-238	2.2	0.580	0.020			1464612.250	598615.304
SU1-124-034	11/14/2005	Actinium-227	4.6	0.610	0.610	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Americium-241	63	0.210	0.210	U	U	1464627.250	598615.304
SU1-124-034	11/14/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Bismuth-214	1.17	0.810	0.200			1464627.250	598615.304
SU1-124-034	11/14/2005	Cesium-137	3.8	0.120	0.120	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Cobalt-60	0.7	0.170	0.170	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Lead-210	7.4	2.700	2.700	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Lead-212	16.6	0.850	0.220			1464627.250	598615.304
SU1-124-034	11/14/2005	Lead-214	8.9	0.980	0.160			1464627.250	598615.304
SU1-124-034	11/14/2005	Plutonium-238	55	20.800	0.090		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Plutonium-239/240	62	0.157	0.068	J	J	1464627.250	598615.304
SU1-124-034	11/14/2005	Potassium-40	47.8	21.300	1.300			1464627.250	598615.304
SU1-124-034	11/14/2005	Protactinium-231	4	2.900	2.900	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Radium-226	2.9	0.810	0.200		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Radium-228	2.1	0.710	0.710	U	U	1464627.250	598615.304
SU1-124-034	11/14/2005	Strontium-90	94.72	1.400	1.400	U	UJ	1464627.250	598615.304
SU1-124-034	11/14/2005	Thallium-208	0.498	0.360	0.110		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Thorium-228	2.6	1.010	0.060		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Thorium-230	2.8	1.110	0.050		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Thorium-232	2.1	0.950	0.050		J	1464627.250	598615.304
SU1-124-034	11/14/2005	Tritium	75*	7.900	0.600			1464627.250	598615.304
SU1-124-034	11/14/2005	Uranium-234	2	0.990	0.050			1464627.250	598615.304
SU1-124-034	11/14/2005	Uranium-235	3.2	0.049	0.033	J	J	1464627.250	598615.304
SU1-124-034	11/14/2005	Uranium-238	2.2	0.910	0.030			1464627.250	598615.304
SU1-124-035	02/16/2006	Actinium-227	4.6	0.280	0.280	U	UJ	1464589.750	598628.294

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-035	02/16/2006	Actinium-228	1.93	0.640	0.250			1464589.750	598628.294
SU1-124-035	02/16/2006	Americium-241	63	0.100	0.100	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Bismuth-207	1.2	0.050	0.050	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Bismuth-210M	8.3	0.060	0.060	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Bismuth-214	1.17	0.700	0.110			1464589.750	598628.294
SU1-124-035	02/16/2006	Cesium-137	3.8	0.250	0.061	J	J	1464589.750	598628.294
SU1-124-035	02/16/2006	Cobalt-60	0.7	0.072	0.072	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Lead-210	7.4	1.400	1.400	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Lead-212	16.6	0.740	0.080			1464589.750	598628.294
SU1-124-035	02/16/2006	Lead-214	8.9	0.860	0.090			1464589.750	598628.294
SU1-124-035	02/16/2006	Plutonium-238	55	7.450	0.020			1464589.750	598628.294
SU1-124-035	02/16/2006	Plutonium-239/240	62	0.038	0.019	J	J	1464589.750	598628.294
SU1-124-035	02/16/2006	Potassium-40	47.8	17.700	0.500			1464589.750	598628.294
SU1-124-035	02/16/2006	Protactinium-231	4	1.200	1.200	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Radium-226	2.9	0.700	0.110	J	J	1464589.750	598628.294
SU1-124-035	02/16/2006	Radium-228	2.1	0.640	0.250			1464589.750	598628.294
SU1-124-035	02/16/2006	Strontium-90	94.72	0.810	0.810	U	UJ	1464589.750	598628.294
SU1-124-035	02/16/2006	Thallium-208	0.498	0.293	0.055			1464589.750	598628.294
SU1-124-035	02/16/2006	Thorium-228	2.6	0.930	0.070			1464589.750	598628.294
SU1-124-035	02/16/2006	Thorium-230	2.8	1.050	0.030			1464589.750	598628.294
SU1-124-035	02/16/2006	Thorium-232	2.1	0.840	0.030			1464589.750	598628.294
SU1-124-035	02/16/2006	Tritium	75*	1.510	0.450	J	J	1464589.750	598628.294
SU1-124-035	02/16/2006	Uranium-234	2	0.600	0.030			1464589.750	598628.294
SU1-124-035	02/16/2006	Uranium-235	3.2	0.037	0.026	J	J	1464589.750	598628.294
SU1-124-035	02/16/2006	Uranium-238	2.2	0.750	0.020			1464589.750	598628.294
SU1-124-036	02/16/2006	Actinium-227	4.6	0.360	0.360	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Actinium-228	1.93	0.810	0.300			1464604.750	598628.294
SU1-124-036	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Bismuth-207	1.2	0.060	0.060	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Bismuth-210M	8.3	0.082	0.082	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Bismuth-214	1.17	0.490	0.140			1464604.750	598628.294
SU1-124-036	02/16/2006	Cesium-137	3.8	0.079	0.079	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Lead-210	7.4	2.100	2.100	U	U	1464604.750	598628.294
SU1-124-036	02/16/2006	Lead-212	16.6	0.940	0.130			1464604.750	598628.294
SU1-124-036	02/16/2006	Lead-214	8.9	0.620	0.110			1464604.750	598628.294
SU1-124-036	02/16/2006	Plutonium-238	55	0.980	0.040		J	1464604.750	598628.294
SU1-124-036	02/16/2006	Plutonium-239/240	62	0.029	0.029	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Potassium-40	47.8	29.400	0.500			1464604.750	598628.294
SU1-124-036	02/16/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Radium-226	2.9	0.490	0.140	J	J	1464604.750	598628.294
SU1-124-036	02/16/2006	Radium-228	2.1	0.810	0.300			1464604.750	598628.294
SU1-124-036	02/16/2006	Strontium-90	94.72	0.880	0.880	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Thallium-208	0.498	0.340	0.059			1464604.750	598628.294
SU1-124-036	02/16/2006	Thorium-228	2.6	1.380	0.070			1464604.750	598628.294
SU1-124-036	02/16/2006	Thorium-230	2.8	0.840	0.050			1464604.750	598628.294
SU1-124-036	02/16/2006	Thorium-232	2.1	1.170	0.050			1464604.750	598628.294
SU1-124-036	02/16/2006	Tritium	75*	23.200	0.500			1464604.750	598628.294
SU1-124-036	02/16/2006	Uranium-234	2	0.840	0.030			1464604.750	598628.294
SU1-124-036	02/16/2006	Uranium-235	3.2	0.024	0.024	U	UJ	1464604.750	598628.294
SU1-124-036	02/16/2006	Uranium-238	2.2	0.880	0.020			1464604.750	598628.294
SU1-124-037	02/16/2006	Actinium-227	4.6	1.450	0.520	J	J	1464619.750	598628.294
SU1-124-037	02/16/2006	Actinium-228	1.93	1.090	0.260			1464619.750	598628.294
SU1-124-037	02/16/2006	Americium-241	63	0.140	0.140	U	U	1464619.750	598628.294
SU1-124-037	02/16/2006	Bismuth-207	1.2	0.058	0.058	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Bismuth-210M	8.3	0.076	0.076	U	U	1464619.750	598628.294
SU1-124-037	02/16/2006	Bismuth-212	9.87	0.670	0.500			1464619.750	598628.294
SU1-124-037	02/16/2006	Bismuth-214	1.17	0.540	0.130			1464619.750	598628.294
SU1-124-037	02/16/2006	Cesium-137	3.8	0.077	0.077	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Cobalt-60	0.7	0.083	0.083	U	UJ	1464619.750	598628.294

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-037	02/16/2006	Lead-210	7.4	1.800	1.800	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Lead-212	16.6	0.940	0.120			1464619.750	598628.294
SU1-124-037	02/16/2006	Lead-214	8.9	0.620	0.110			1464619.750	598628.294
SU1-124-037	02/16/2006	Plutonium-238	55	1.480	0.030			1464619.750	598628.294
SU1-124-037	02/16/2006	Plutonium-239/240	62	0.025	0.025	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Potassium-40	47.8	32.500	0.600			1464619.750	598628.294
SU1-124-037	02/16/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Radium-226	2.9	0.540	0.130	J	J	1464619.750	598628.294
SU1-124-037	02/16/2006	Radium-228	2.1	1.090	0.260			1464619.750	598628.294
SU1-124-037	02/16/2006	Strontium-90	94.72	0.870	0.870	U	UJ	1464619.750	598628.294
SU1-124-037	02/16/2006	Thallium-208	0.498	0.353	0.074			1464619.750	598628.294
SU1-124-037	02/16/2006	Thorium-228	2.6	1.050	0.100			1464619.750	598628.294
SU1-124-037	02/16/2006	Thorium-230	2.8	0.820	0.070			1464619.750	598628.294
SU1-124-037	02/16/2006	Thorium-232	2.1	0.990	0.090			1464619.750	598628.294
SU1-124-037	02/16/2006	Tritium	75*	1.090	0.430	J	J	1464619.750	598628.294
SU1-124-037	02/16/2006	Uranium-234	2	0.750	0.020			1464619.750	598628.294
SU1-124-037	02/16/2006	Uranium-235	3.2	0.053	0.014	J	J	1464619.750	598628.294
SU1-124-037	02/16/2006	Uranium-238	2.2	0.660	0.020			1464619.750	598628.294
SU1-124-038	11/14/2005	Actinium-227	4.6	0.540	0.540	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Americium-241	63	0.240	0.240	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Bismuth-207	1.2	0.093	0.093	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Cesium-137	3.8	0.150	0.150	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Cobalt-60	0.7	0.100	0.100	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Lead-210	7.4	2.800	2.800	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Lead-212	16.6	0.810	0.190			1464634.750	598628.294
SU1-124-038	11/14/2005	Lead-214	8.9	0.760	0.190			1464634.750	598628.294
SU1-124-038	11/14/2005	Plutonium-238	55	2.280	0.070		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Plutonium-239/240	62	0.051	0.051	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Potassium-40	47.8	17.400	1.200			1464634.750	598628.294
SU1-124-038	11/14/2005	Protactinium-231	4	2.700	2.700	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Radium-226	2.9	0.680	0.430		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Radium-228	2.1	0.540	0.540	U	U	1464634.750	598628.294
SU1-124-038	11/14/2005	Strontium-90	94.72	1.400	1.400	U	UJ	1464634.750	598628.294
SU1-124-038	11/14/2005	Thallium-208	0.498	0.340	0.090		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Thorium-228	2.6	0.850	0.090		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Thorium-230	2.8	0.850	0.070		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Thorium-232	2.1	0.700	0.070		J	1464634.750	598628.294
SU1-124-038	11/14/2005	Tritium	75*	68.900	5.800			1464634.750	598628.294
SU1-124-038	11/14/2005	Uranium-234	2	0.680	0.050			1464634.750	598628.294
SU1-124-038	11/14/2005	Uranium-235	3.2	0.039	0.035	J	J	1464634.750	598628.294
SU1-124-038	11/14/2005	Uranium-238	2.2	0.690	0.040			1464634.750	598628.294
SU1-124-039	11/14/2005	Actinium-227	4.6	0.510	0.510	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Actinium-228	1.93	0.910	0.420			1464582.250	598641.284
SU1-124-039	11/14/2005	Americium-241	63	0.190	0.190	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Bismuth-207	1.2	0.087	0.087	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Cesium-137	3.8	0.160	0.160	U	U	1464582.250	598641.284
SU1-124-039	11/14/2005	Cobalt-60	0.7	0.130	0.130	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Lead-210	7.4	2.300	2.300	U	UJ	1464582.250	598641.284
SU1-124-039	11/14/2005	Lead-212	16.6	0.770	0.180			1464582.250	598641.284
SU1-124-039	11/14/2005	Lead-214	8.9	0.720	0.170			1464582.250	598641.284
SU1-124-039	11/14/2005	Plutonium-238	55	27.400	0.070		J	1464582.250	598641.284
SU1-124-039	11/14/2005	Plutonium-239/240	62	0.168	0.028	J	J	1464582.250	598641.284
SU1-124-039	11/14/2005	Potassium-40	47.8	24.000	0.900			1464582.250	598641.284
SU1-124-039	11/14/2005	Protactinium-231	4	3.200	3.200	U	U	1464582.250	598641.284
SU1-124-039	11/14/2005	Radium-226	2.9	0.690	0.440		J	1464582.250	598641.284
SU1-124-039	11/14/2005	Radium-228	2.1	0.910	0.420			1464582.250	598641.284
SU1-124-039	11/14/2005	Strontium-90	94.72	1.620	0.510	J	J	1464582.250	598641.284
SU1-124-039	11/14/2005	Thallium-208	0.498	0.270	0.120		J	1464582.250	598641.284

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-039	11/14/2005	Thorium-228	2.6	1.410	0.100		J	1464582.250	598641.284
SU1-124-039	11/14/2005	Thorium-230	2.8	1.010	0.060		J	1464582.250	598641.284
SU1-124-039	11/14/2005	Thorium-232	2.1	0.910	0.090		J	1464582.250	598641.284
SU1-124-039	11/14/2005	Thorium-232	2.1	0.910	0.420			1464582.250	598641.284
SU1-124-039	11/14/2005	Tritium	75*	1.330	0.590	J	J	1464582.250	598641.284
SU1-124-039	11/14/2005	Uranium-234	2	0.770	0.030			1464582.250	598641.284
SU1-124-039	11/14/2005	Uranium-235	3.2	0.060	0.053	J	J	1464582.250	598641.284
SU1-124-039	11/14/2005	Uranium-238	2.2	0.690	0.040			1464582.250	598641.284
SU1-124-040	02/16/2006	Actinium-227	4.6	1.530	0.570	J	J	1464597.250	598641.284
SU1-124-040	02/16/2006	Actinium-228	1.93	0.990	0.280			1464597.250	598641.284
SU1-124-040	02/16/2006	Americium-241	63	0.170	0.170	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Bismuth-207	1.2	0.063	0.063	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Bismuth-210M	8.3	0.083	0.083	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Cesium-137	3.8	0.075	0.075	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Cobalt-60	0.7	0.094	0.094	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Lead-210	7.4	1.900	1.900	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Lead-212	16.6	0.930	0.120			1464597.250	598641.284
SU1-124-040	02/16/2006	Lead-214	8.9	0.730	0.120			1464597.250	598641.284
SU1-124-040	02/16/2006	Plutonium-238	55	1.070	0.020			1464597.250	598641.284
SU1-124-040	02/16/2006	Plutonium-239/240	62	0.024	0.024	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Potassium-40	47.8	33.100	0.900			1464597.250	598641.284
SU1-124-040	02/16/2006	Protactinium-231	4	1.500	1.500	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Radium-226	2.9	0.710	0.260	J	J	1464597.250	598641.284
SU1-124-040	02/16/2006	Radium-228	2.1	0.990	0.280			1464597.250	598641.284
SU1-124-040	02/16/2006	Strontium-90	94.72	1.200	1.200	U	UJ	1464597.250	598641.284
SU1-124-040	02/16/2006	Thallium-208	0.498	0.370	0.080			1464597.250	598641.284
SU1-124-040	02/16/2006	Thorium-228	2.6	1.160	0.060			1464597.250	598641.284
SU1-124-040	02/16/2006	Thorium-230	2.8	0.840	0.040			1464597.250	598641.284
SU1-124-040	02/16/2006	Thorium-232	2.1	0.920	0.050			1464597.250	598641.284
SU1-124-040	02/16/2006	Tritium	75*	1.210	0.430	J	J	1464597.250	598641.284
SU1-124-040	02/16/2006	Uranium-234	2	0.840	0.040			1464597.250	598641.284
SU1-124-040	02/16/2006	Uranium-235	3.2	0.053	0.044	J	J	1464597.250	598641.284
SU1-124-040	02/16/2006	Uranium-238	2.2	0.850	0.030			1464597.250	598641.284
SU1-124-041	02/16/2006	Actinium-227	4.6	0.330	0.330	U	U	1464612.250	598641.284
SU1-124-041	02/16/2006	Actinium-228	1.93	1.000	0.250			1464612.250	598641.284
SU1-124-041	02/16/2006	Americium-241	63	0.130	0.130	U	U	1464612.250	598641.284
SU1-124-041	02/16/2006	Bismuth-207	1.2	0.062	0.062	U	U	1464612.250	598641.284
SU1-124-041	02/16/2006	Bismuth-210M	8.3	0.068	0.068	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Bismuth-212	9.87	0.930	0.890			1464612.250	598641.284
SU1-124-041	02/16/2006	Cesium-137	3.8	0.079	0.079	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Cobalt-60	0.7	0.086	0.086	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Lead-210	7.4	1.400	1.400	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Lead-212	16.6	0.970	0.110			1464612.250	598641.284
SU1-124-041	02/16/2006	Lead-214	8.9	0.700	0.100			1464612.250	598641.284
SU1-124-041	02/16/2006	Plutonium-238	55	3.610	0.020			1464612.250	598641.284
SU1-124-041	02/16/2006	Plutonium-239/240	62	0.025	0.023	J	J	1464612.250	598641.284
SU1-124-041	02/16/2006	Potassium-40	47.8	29.800	0.400			1464612.250	598641.284
SU1-124-041	02/16/2006	Protactinium-231	4	1.300	1.300	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Radium-226	2.9	0.600	0.260	J	J	1464612.250	598641.284
SU1-124-041	02/16/2006	Radium-228	2.1	1.000	0.250			1464612.250	598641.284
SU1-124-041	02/16/2006	Strontium-90	94.72	1.100	1.100	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Thallium-208	0.498	0.280	0.059			1464612.250	598641.284
SU1-124-041	02/16/2006	Thorium-228	2.6	1.270	0.090			1464612.250	598641.284
SU1-124-041	02/16/2006	Thorium-230	2.8	1.080	0.040			1464612.250	598641.284
SU1-124-041	02/16/2006	Thorium-232	2.1	1.150	0.060			1464612.250	598641.284
SU1-124-041	02/16/2006	Tritium	75*	0.410	0.410	U	UJ	1464612.250	598641.284
SU1-124-041	02/16/2006	Uranium-234	2	0.740	0.040			1464612.250	598641.284
SU1-124-041	02/16/2006	Uranium-235	3.2	0.053	0.037	J	J	1464612.250	598641.284
SU1-124-041	02/16/2006	Uranium-238	2.2	0.790	0.040			1464612.250	598641.284
SU1-124-042	02/16/2006	Actinium-227	4.6	0.410	0.410	U	UJ	1464627.250	598641.284

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-042	02/16/2006	Actinium-228	1.93	1.150	0.340			1464627.250	598641.284
SU1-124-042	02/16/2006	Americium-241	63	0.170	0.170	U	UJ	1464627.250	598641.284
SU1-124-042	02/16/2006	Bismuth-207	1.2	0.057	0.057	U	UJ	1464627.250	598641.284
SU1-124-042	02/16/2006	Bismuth-210M	8.3	0.086	0.086	U	U	1464627.250	598641.284
SU1-124-042	02/16/2006	Bismuth-214	1.17	0.680	0.130			1464627.250	598641.284
SU1-124-042	02/16/2006	Cesium-137	3.8	0.090	0.090	U	UJ	1464627.250	598641.284
SU1-124-042	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464627.250	598641.284
SU1-124-042	02/16/2006	Lead-210	7.4	2.000	2.000	U	UJ	1464627.250	598641.284
SU1-124-042	02/16/2006	Lead-212	16.6	1.040	0.140			1464627.250	598641.284
SU1-124-042	02/16/2006	Lead-214	8.9	0.680	0.140			1464627.250	598641.284
SU1-124-042	02/16/2006	Plutonium-238	55	3.050	0.030			1464627.250	598641.284
SU1-124-042	02/16/2006	Plutonium-239/240	62	0.020	0.013	J	J	1464627.250	598641.284
SU1-124-042	02/16/2006	Potassium-40	47.8	31.100	0.600			1464627.250	598641.284
SU1-124-042	02/16/2006	Protactinium-231	4	1.700	1.700	U	U	1464627.250	598641.284
SU1-124-042	02/16/2006	Radium-226	2.9	0.680	0.130	J	J	1464627.250	598641.284
SU1-124-042	02/16/2006	Radium-228	2.1	1.150	0.340			1464627.250	598641.284
SU1-124-042	02/16/2006	Strontium-90	94.72	1.150	1.000	J	J	1464627.250	598641.284
SU1-124-042	02/16/2006	Thallium-208	0.498	0.410	0.090			1464627.250	598641.284
SU1-124-042	02/16/2006	Thorium-228	2.6	1.130	0.080			1464627.250	598641.284
SU1-124-042	02/16/2006	Thorium-230	2.8	0.860	0.050			1464627.250	598641.284
SU1-124-042	02/16/2006	Thorium-232	2.1	1.090	0.050			1464627.250	598641.284
SU1-124-042	02/16/2006	Tritium	75*	1.790	0.420	J	J	1464627.250	598641.284
SU1-124-042	02/16/2006	Uranium-234	2	1.140	0.030			1464627.250	598641.284
SU1-124-042	02/16/2006	Uranium-235	3.2	0.052	0.029	J	J	1464627.250	598641.284
SU1-124-042	02/16/2006	Uranium-238	2.2	1.010	0.030			1464627.250	598641.284
SU1-124-043	11/14/2005	Actinium-227	4.6	0.320	0.320	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Americium-241	63	0.120	0.120	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Bismuth-207	1.2	0.048	0.048	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Bismuth-210M	8.3	0.074	0.074	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Cesium-137	3.8	0.060	0.060	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Cobalt-60	0.7	0.079	0.079	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Lead-210	7.4	1.500	1.500	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Lead-212	16.6	0.259	0.100			1464642.250	598641.284
SU1-124-043	11/14/2005	Lead-214	8.9	0.540	0.110			1464642.250	598641.284
SU1-124-043	11/14/2005	Plutonium-238	55	1.540	0.060		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Plutonium-239/240	62	0.051	0.051	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Potassium-40	47.8	7.100	0.400			1464642.250	598641.284
SU1-124-043	11/14/2005	Protactinium-231	4	1.600	1.600	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Radium-226	2.9	0.390	0.270		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Radium-228	2.1	0.320	0.320	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Strontium-90	94.72	0.890	0.890	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Thallium-208	0.498	0.079	0.064		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Thorium-228	2.6	0.330	0.090		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Thorium-230	2.8	0.750	0.050		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Thorium-232	2.1	0.260	0.050		J	1464642.250	598641.284
SU1-124-043	11/14/2005	Tritium	75*	0.570	0.570	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Uranium-234	2	0.520	0.070			1464642.250	598641.284
SU1-124-043	11/14/2005	Uranium-235	3.2	0.055	0.055	U	UJ	1464642.250	598641.284
SU1-124-043	11/14/2005	Uranium-238	2.2	0.610	0.040			1464642.250	598641.284
SU1-124-044	11/21/2005	Actinium-227	4.6	0.370	0.370	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Americium-241	63	0.150	0.150	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Bismuth-207	1.2	0.058	0.058	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Bismuth-210M	8.3	0.100	0.100	U	U	1464717.250	598641.284
SU1-124-044	11/21/2005	Cesium-137	3.8	0.095	0.095	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Cobalt-60	0.7	0.140	0.140	U	U	1464717.250	598641.284
SU1-124-044	11/21/2005	Lead-210	7.4	2.300	2.300	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Lead-212	16.6	0.332	0.087			1464717.250	598641.284
SU1-124-044	11/21/2005	Lead-214	8.9	0.470	0.140			1464717.250	598641.284
SU1-124-044	11/21/2005	Plutonium-238	55	0.450	0.070		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Plutonium-239/240	62	0.054	0.054	U	UJ	1464717.250	598641.284

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-044	11/21/2005	Potassium-40	47.8	8.600	0.700			1464717.250	598641.284
SU1-124-044	11/21/2005	Protactinium-231	4	2.200	2.200	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Radium-226	2.9	0.510	0.360		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Radium-228	2.1	0.400	0.400	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Strontium-90	94.72	0.540	0.540	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Thallium-208	0.498	0.080	0.061		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Thorium-228	2.6	0.430	0.100		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Thorium-230	2.8	0.730	0.060		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Thorium-232	2.1	0.610	0.060		J	1464717.250	598641.284
SU1-124-044	11/21/2005	Tritium	75*	0.580	0.580	U	UJ	1464717.250	598641.284
SU1-124-044	11/21/2005	Uranium-234	2	0.440	0.050			1464717.250	598641.284
SU1-124-044	11/21/2005	Uranium-235	3.2	0.055	0.049	J	J	1464717.250	598641.284
SU1-124-044	11/21/2005	Uranium-238	2.2	0.420	0.050			1464717.250	598641.284
SU1-124-046	11/14/2005	Actinium-227	4.6	0.410	0.410	U	U	1464589.750	598654.275
SU1-124-046	11/14/2005	Actinium-228	1.93	0.440	0.280			1464589.750	598654.275
SU1-124-046	11/14/2005	Americium-241	63	0.150	0.150	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Bismuth-207	1.2	0.077	0.077	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Bismuth-210M	8.3	0.096	0.096	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Cesium-137	3.8	0.069	0.069	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Cobalt-60	0.7	0.068	0.068	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Lead-210	7.4	1.800	1.800	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Lead-212	16.6	0.420	0.160			1464589.750	598654.275
SU1-124-046	11/14/2005	Lead-214	8.9	0.430	0.150			1464589.750	598654.275
SU1-124-046	11/14/2005	Plutonium-238	55	7.130	0.070		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Plutonium-239/240	62	0.052	0.052	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Potassium-40	47.8	11.700	0.900			1464589.750	598654.275
SU1-124-046	11/14/2005	Protactinium-231	4	2.200	2.200	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Radium-226	2.9	0.340	0.330		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Radium-228	2.1	0.440	0.280			1464589.750	598654.275
SU1-124-046	11/14/2005	Strontium-90	94.72	1.200	1.200	U	U	1464589.750	598654.275
SU1-124-046	11/14/2005	Thallium-208	0.498	0.137	0.088		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Thorium-228	2.6	0.750	0.110		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Thorium-230	2.8	0.840	0.070		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Thorium-232	2.1	0.550	0.070		J	1464589.750	598654.275
SU1-124-046	11/14/2005	Thorium-232	2.1	0.440	0.280			1464589.750	598654.275
SU1-124-046	11/14/2005	Tritium	75*	0.820	0.590	J	J	1464589.750	598654.275
SU1-124-046	11/14/2005	Uranium-234	2	0.700	0.030			1464589.750	598654.275
SU1-124-046	11/14/2005	Uranium-235	3.2	0.072	0.072	U	UJ	1464589.750	598654.275
SU1-124-046	11/14/2005	Uranium-238	2.2	0.600	0.060			1464589.750	598654.275
SU1-124-047	02/16/2006	Actinium-227	4.6	0.550	0.440	J	J	1464604.750	598654.275
SU1-124-047	02/16/2006	Americium-241	63	0.130	0.130	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Bismuth-207	1.2	0.059	0.059	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Bismuth-210M	8.3	0.072	0.072	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Cesium-137	3.8	0.072	0.072	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Cobalt-60	0.7	0.069	0.069	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Lead-210	7.4	1.700	1.700	U	U	1464604.750	598654.275
SU1-124-047	02/16/2006	Lead-212	16.6	0.240	0.100			1464604.750	598654.275
SU1-124-047	02/16/2006	Plutonium-238	55	0.690	0.050			1464604.750	598654.275
SU1-124-047	02/16/2006	Plutonium-239/240	62	0.027	0.027	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Potassium-40	47.8	11.700	0.700			1464604.750	598654.275
SU1-124-047	02/16/2006	Protactinium-231	4	1.400	1.400	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Radium-226	2.9	0.350	0.230	J	J	1464604.750	598654.275
SU1-124-047	02/16/2006	Radium-228	2.1	0.410	0.400			1464604.750	598654.275
SU1-124-047	02/16/2006	Strontium-90	94.72	0.630	0.630	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Thallium-208	0.498	0.108	0.069			1464604.750	598654.275
SU1-124-047	02/16/2006	Thorium-228	2.6	0.350	0.020			1464604.750	598654.275
SU1-124-047	02/16/2006	Thorium-230	2.8	0.680	0.030			1464604.750	598654.275
SU1-124-047	02/16/2006	Thorium-232	2.1	0.360	0.040			1464604.750	598654.275
SU1-124-047	02/16/2006	Tritium	75*	0.440	0.440	U	U	1464604.750	598654.275
SU1-124-047	02/16/2006	Uranium-234	2	0.590	0.090			1464604.750	598654.275

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-047	02/16/2006	Uranium-235	3.2	0.074	0.074	U	UJ	1464604.750	598654.275
SU1-124-047	02/16/2006	Uranium-238	2.2	0.500	0.110			1464604.750	598654.275
SU1-124-048	02/16/2006	Actinium-227	4.6	0.350	0.350	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Actinium-228	1.93	1.280	0.260			1464619.750	598654.275
SU1-124-048	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Bismuth-207	1.2	0.071	0.071	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Bismuth-210M	8.3	0.081	0.081	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Cesium-137	3.8	0.092	0.092	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Cobalt-60	0.7	0.093	0.093	U	U	1464619.750	598654.275
SU1-124-048	02/16/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Lead-212	16.6	1.020	0.130			1464619.750	598654.275
SU1-124-048	02/16/2006	Lead-214	8.9	0.590	0.120			1464619.750	598654.275
SU1-124-048	02/16/2006	Plutonium-238	55	3.440	0.030			1464619.750	598654.275
SU1-124-048	02/16/2006	Plutonium-239/240	62	0.025	0.025	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Potassium-40	47.8	31.600	0.700			1464619.750	598654.275
SU1-124-048	02/16/2006	Protactinium-231	4	1.700	1.700	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Radium-226	2.9	0.490	0.310	J	J	1464619.750	598654.275
SU1-124-048	02/16/2006	Radium-228	2.1	1.280	0.260			1464619.750	598654.275
SU1-124-048	02/16/2006	Strontium-90	94.72	1.300	1.300	U	UJ	1464619.750	598654.275
SU1-124-048	02/16/2006	Thallium-208	0.498	0.380	0.080			1464619.750	598654.275
SU1-124-048	02/16/2006	Thorium-228	2.6	1.130	0.060			1464619.750	598654.275
SU1-124-048	02/16/2006	Thorium-230	2.8	0.710	0.020			1464619.750	598654.275
SU1-124-048	02/16/2006	Thorium-232	2.1	1.350	0.040			1464619.750	598654.275
SU1-124-048	02/16/2006	Tritium	75*	5.080	0.420			1464619.750	598654.275
SU1-124-048	02/16/2006	Uranium-234	2	0.890	0.030			1464619.750	598654.275
SU1-124-048	02/16/2006	Uranium-235	3.2	0.045	0.043	J	J	1464619.750	598654.275
SU1-124-048	02/16/2006	Uranium-238	2.2	0.750	0.040			1464619.750	598654.275
SU1-124-049	02/16/2006	Actinium-227	4.6	0.460	0.460	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Actinium-228	1.93	0.730	0.360			1464634.750	598654.275
SU1-124-049	02/16/2006	Americium-241	63	0.200	0.200	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Bismuth-207	1.2	0.064	0.064	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Bismuth-210M	8.3	0.100	0.100	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Bismuth-212	9.87	1.400	1.400	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Cesium-137	3.8	0.110	0.110	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Lead-210	7.4	2.200	2.200	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Lead-212	16.6	0.970	0.120			1464634.750	598654.275
SU1-124-049	02/16/2006	Lead-214	8.9	0.520	0.140			1464634.750	598654.275
SU1-124-049	02/16/2006	Plutonium-238	55	0.157	0.033			1464634.750	598654.275
SU1-124-049	02/16/2006	Plutonium-239/240	62	0.020	0.020	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Potassium-40	47.8	26.700	0.800			1464634.750	598654.275
SU1-124-049	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Radium-226	2.9	0.480	0.350	J	J	1464634.750	598654.275
SU1-124-049	02/16/2006	Radium-228	2.1	0.730	0.360			1464634.750	598654.275
SU1-124-049	02/16/2006	Strontium-90	94.72	0.800	0.800	U	UJ	1464634.750	598654.275
SU1-124-049	02/16/2006	Thallium-208	0.498	0.230	0.090			1464634.750	598654.275
SU1-124-049	02/16/2006	Thorium-228	2.6	1.100	0.090			1464634.750	598654.275
SU1-124-049	02/16/2006	Thorium-230	2.8	0.740	0.070			1464634.750	598654.275
SU1-124-049	02/16/2006	Thorium-232	2.1	1.080	0.040			1464634.750	598654.275
SU1-124-049	02/16/2006	Tritium	75*	9.800	0.400			1464634.750	598654.275
SU1-124-049	02/16/2006	Uranium-234	2	0.880	0.040			1464634.750	598654.275
SU1-124-049	02/16/2006	Uranium-235	3.2	0.060	0.027	J	J	1464634.750	598654.275
SU1-124-049	02/16/2006	Uranium-238	2.2	0.760	0.050			1464634.750	598654.275
SU1-124-050	02/16/2006	Actinium-227	4.6	0.360	0.360	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Actinium-228	1.93	1.140	0.290			1464649.750	598654.275
SU1-124-050	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Bismuth-207	1.2	0.075	0.075	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Bismuth-210M	8.3	0.093	0.093	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Cesium-137	3.8	0.100	0.100	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464649.750	598654.275

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-050	02/16/2006	Lead-210	7.4	1.900	1.900	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Lead-212	16.6	1.000	0.100			1464649.750	598654.275
SU1-124-050	02/16/2006	Lead-214	8.9	0.670	0.150			1464649.750	598654.275
SU1-124-050	02/16/2006	Plutonium-238	55	0.300	0.028			1464649.750	598654.275
SU1-124-050	02/16/2006	Plutonium-239/240	62	0.020	0.020	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Potassium-40	47.8	35.000	0.800			1464649.750	598654.275
SU1-124-050	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Radium-226	2.9	0.500	0.320	J	J	1464649.750	598654.275
SU1-124-050	02/16/2006	Radium-228	2.1	1.140	0.290			1464649.750	598654.275
SU1-124-050	02/16/2006	Strontium-90	94.72	1.100	1.100	U	UJ	1464649.750	598654.275
SU1-124-050	02/16/2006	Thallium-208	0.498	0.360	0.090			1464649.750	598654.275
SU1-124-050	02/16/2006	Thorium-228	2.6	1.180	0.080			1464649.750	598654.275
SU1-124-050	02/16/2006	Thorium-230	2.8	0.840	0.050			1464649.750	598654.275
SU1-124-050	02/16/2006	Thorium-232	2.1	1.080	0.040			1464649.750	598654.275
SU1-124-050	02/16/2006	Tritium	75*	14.900	0.400			1464649.750	598654.275
SU1-124-050	02/16/2006	Uranium-234	2	0.790	0.030			1464649.750	598654.275
SU1-124-050	02/16/2006	Uranium-235	3.2	0.040	0.029	J	J	1464649.750	598654.275
SU1-124-050	02/16/2006	Uranium-238	2.2	0.730	0.020			1464649.750	598654.275
SU1-124-051	11/14/2005	Actinium-227	4.6	0.430	0.430	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Actinium-228	1.93	1.000	0.430			1464694.750	598654.275
SU1-124-051	11/14/2005	Americium-241	63	0.180	0.180	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Bismuth-207	1.2	0.085	0.085	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Cobalt-60	0.7	0.160	0.160	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Lead-210	7.4	2.500	2.500	U	U	1464694.750	598654.275
SU1-124-051	11/14/2005	Lead-212	16.6	0.690	0.160			1464694.750	598654.275
SU1-124-051	11/14/2005	Lead-214	8.9	0.720	0.130			1464694.750	598654.275
SU1-124-051	11/14/2005	Plutonium-238	55	2.320	0.080		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Plutonium-239/240	62	0.053	0.053	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Potassium-40	47.8	24.100	1.300			1464694.750	598654.275
SU1-124-051	11/14/2005	Protactinium-231	4	3.000	3.000	U	U	1464694.750	598654.275
SU1-124-051	11/14/2005	Radium-226	2.9	0.840	0.460		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Radium-228	2.1	1.000	0.430			1464694.750	598654.275
SU1-124-051	11/14/2005	Strontium-90	94.72	0.450	0.450	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Thallium-208	0.498	0.240	0.100		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Thorium-228	2.6	1.000	0.060		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Thorium-230	2.8	0.920	0.040		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Thorium-232	2.1	1.000	0.430			1464694.750	598654.275
SU1-124-051	11/14/2005	Thorium-232	2.1	0.880	0.050		J	1464694.750	598654.275
SU1-124-051	11/14/2005	Tritium	75*	12.300	0.600			1464694.750	598654.275
SU1-124-051	11/14/2005	Uranium-234	2	0.870	0.060			1464694.750	598654.275
SU1-124-051	11/14/2005	Uranium-235	3.2	0.052	0.052	U	UJ	1464694.750	598654.275
SU1-124-051	11/14/2005	Uranium-238	2.2	0.750	0.050			1464694.750	598654.275
SU1-124-052	11/21/2005	Actinium-227	4.6	0.260	0.260	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Americium-241	63	0.100	0.100	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Bismuth-207	1.2	0.054	0.054	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Bismuth-210M	8.3	0.063	0.063	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Cesium-137	3.8	0.110	0.110	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Cobalt-60	0.7	0.080	0.080	U	U	1464709.750	598654.275
SU1-124-052	11/21/2005	Lead-210	7.4	1.600	1.600	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Lead-212	16.6	0.127	0.110			1464709.750	598654.275
SU1-124-052	11/21/2005	Lead-214	8.9	0.390	0.120			1464709.750	598654.275
SU1-124-052	11/21/2005	Plutonium-238	55	2.250	0.060		J	1464709.750	598654.275
SU1-124-052	11/21/2005	Plutonium-239/240	62	0.059	0.059	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Potassium-40	47.8	4.300	0.700			1464709.750	598654.275
SU1-124-052	11/21/2005	Protactinium-231	4	1.600	1.600	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Radium-226	2.9	0.380	0.290		J	1464709.750	598654.275
SU1-124-052	11/21/2005	Radium-228	2.1	0.390	0.390	U	U	1464709.750	598654.275
SU1-124-052	11/21/2005	Strontium-90	94.72	0.590	0.590	U	UJ	1464709.750	598654.275

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-052	11/21/2005	Thorium-228	2.6	0.310	0.080		J	1464709.750	598654.275
SU1-124-052	11/21/2005	Thorium-230	2.8	0.790	0.050		J	1464709.750	598654.275
SU1-124-052	11/21/2005	Thorium-232	2.1	0.280	0.030		J	1464709.750	598654.275
SU1-124-052	11/21/2005	Tritium	75*	0.610	0.610	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Uranium-234	2	0.430	0.040			1464709.750	598654.275
SU1-124-052	11/21/2005	Uranium-235	3.2	0.034	0.034	U	UJ	1464709.750	598654.275
SU1-124-052	11/21/2005	Uranium-238	2.2	0.490	0.070			1464709.750	598654.275
SU1-124-053	11/21/2005	Actinium-227	4.6	0.360	0.360	U	U	1464724.750	598654.275
SU1-124-053	11/21/2005	Americium-241	63	0.110	0.110	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Bismuth-207	1.2	0.054	0.054	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Bismuth-210M	8.3	0.073	0.073	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Cesium-137	3.8	0.069	0.069	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Cobalt-60	0.7	0.089	0.089	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Lead-210	7.4	1.600	1.600	U	U	1464724.750	598654.275
SU1-124-053	11/21/2005	Lead-214	8.9	0.400	0.100			1464724.750	598654.275
SU1-124-053	11/21/2005	Plutonium-238	55	3.310	0.060		J	1464724.750	598654.275
SU1-124-053	11/21/2005	Plutonium-239/240	62	0.135	0.049	J	J	1464724.750	598654.275
SU1-124-053	11/21/2005	Potassium-40	47.8	4.600	2.600			1464724.750	598654.275
SU1-124-053	11/21/2005	Protactinium-231	4	1.800	1.800	U	U	1464724.750	598654.275
SU1-124-053	11/21/2005	Radium-226	2.9	0.540	0.280		J	1464724.750	598654.275
SU1-124-053	11/21/2005	Radium-228	2.1	0.340	0.340	U	U	1464724.750	598654.275
SU1-124-053	11/21/2005	Strontium-90	94.72	0.610	0.610	U	U	1464724.750	598654.275
SU1-124-053	11/21/2005	Thorium-228	2.6	0.390	0.110		J	1464724.750	598654.275
SU1-124-053	11/21/2005	Thorium-230	2.8	0.700	0.080		J	1464724.750	598654.275
SU1-124-053	11/21/2005	Thorium-232	2.1	0.310	0.070		J	1464724.750	598654.275
SU1-124-053	11/21/2005	Tritium	75*	0.600	0.600	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Uranium-234	2	0.410	0.040			1464724.750	598654.275
SU1-124-053	11/21/2005	Uranium-235	3.2	0.048	0.048	U	UJ	1464724.750	598654.275
SU1-124-053	11/21/2005	Uranium-238	2.2	0.440	0.020			1464724.750	598654.275
SU1-124-054	11/21/2005	Actinium-227	4.6	0.360	0.360	U	U	1464582.250	598667.265
SU1-124-054	11/21/2005	Americium-241	63	0.120	0.120	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Bismuth-207	1.2	0.051	0.051	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Bismuth-210M	8.3	0.065	0.065	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Cesium-137	3.8	0.092	0.092	U	U	1464582.250	598667.265
SU1-124-054	11/21/2005	Cobalt-60	0.7	0.062	0.062	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Lead-210	7.4	1.600	1.600	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Lead-212	16.6	0.204	0.110			1464582.250	598667.265
SU1-124-054	11/21/2005	Lead-214	8.9	0.420	0.110			1464582.250	598667.265
SU1-124-054	11/21/2005	Plutonium-238	55	0.047	0.047	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Plutonium-239/240	62	0.041	0.041	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Potassium-40	47.8	6.100	0.500			1464582.250	598667.265
SU1-124-054	11/21/2005	Protactinium-231	4	1.500	1.500	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Radium-226	2.9	0.440	0.280		J	1464582.250	598667.265
SU1-124-054	11/21/2005	Radium-228	2.1	0.360	0.360	U	U	1464582.250	598667.265
SU1-124-054	11/21/2005	Strontium-90	94.72	0.560	0.560	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Thorium-228	2.6	0.530	0.100		J	1464582.250	598667.265
SU1-124-054	11/21/2005	Thorium-230	2.8	0.930	0.070		J	1464582.250	598667.265
SU1-124-054	11/21/2005	Thorium-232	2.1	0.350	0.070		J	1464582.250	598667.265
SU1-124-054	11/21/2005	Tritium	75*	0.590	0.590	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Uranium-234	2	0.500	0.050			1464582.250	598667.265
SU1-124-054	11/21/2005	Uranium-235	3.2	0.047	0.047	U	UJ	1464582.250	598667.265
SU1-124-054	11/21/2005	Uranium-238	2.2	0.520	0.050			1464582.250	598667.265
SU1-124-055	11/14/2005	Actinium-227	4.6	0.280	0.280	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Americium-241	63	0.100	0.100	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Bismuth-207	1.2	0.042	0.042	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Bismuth-210M	8.3	0.062	0.062	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Cesium-137	3.8	0.069	0.069	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Cobalt-60	0.7	0.084	0.084	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Lead-210	7.4	1.500	1.500	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Lead-212	16.6	0.212	0.072			1464597.250	598667.265

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-055	11/14/2005	Lead-214	8.9	0.410	0.090			1464597.250	598667.265
SU1-124-055	11/14/2005	Plutonium-238	55	0.660	0.070		J	1464597.250	598667.265
SU1-124-055	11/14/2005	Plutonium-239/240	62	0.045	0.045	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Potassium-40	47.8	6.200	0.500			1464597.250	598667.265
SU1-124-055	11/14/2005	Protactinium-231	4	1.700	1.700	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Radium-226	2.9	0.360	0.260		J	1464597.250	598667.265
SU1-124-055	11/14/2005	Radium-228	2.1	0.330	0.330	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Strontium-90	94.72	1.000	1.000	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Thorium-228	2.6	0.300	0.110			1464597.250	598667.265
SU1-124-055	11/14/2005	Thorium-230	2.8	0.720	0.090			1464597.250	598667.265
SU1-124-055	11/14/2005	Thorium-232	2.1	0.370	0.090			1464597.250	598667.265
SU1-124-055	11/14/2005	Tritium	75*	7.700	0.600			1464597.250	598667.265
SU1-124-055	11/14/2005	Uranium-234	2	0.280	0.050			1464597.250	598667.265
SU1-124-055	11/14/2005	Uranium-235	3.2	0.047	0.047	U	UJ	1464597.250	598667.265
SU1-124-055	11/14/2005	Uranium-238	2.2	0.430	0.020			1464597.250	598667.265
SU1-124-056	11/14/2005	Actinium-227	4.6	0.320	0.320	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Americium-241	63	0.120	0.120	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Bismuth-207	1.2	0.049	0.049	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Bismuth-210M	8.3	0.064	0.064	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Cesium-137	3.8	0.072	0.072	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Cobalt-60	0.7	0.099	0.099	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Lead-210	7.4	1.900	1.900	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Lead-212	16.6	0.150	0.110			1464612.250	598667.265
SU1-124-056	11/14/2005	Plutonium-238	55	0.063	0.063	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Plutonium-239/240	62	0.058	0.058	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Potassium-40	47.8	6.200	0.600			1464612.250	598667.265
SU1-124-056	11/14/2005	Protactinium-231	4	1.900	1.900	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Radium-226	2.9	0.380	0.290		J	1464612.250	598667.265
SU1-124-056	11/14/2005	Radium-228	2.1	0.450	0.450	U	U	1464612.250	598667.265
SU1-124-056	11/14/2005	Strontium-90	94.72	0.630	0.630	U	U	1464612.250	598667.265
SU1-124-056	11/14/2005	Thorium-228	2.6	0.240	0.100			1464612.250	598667.265
SU1-124-056	11/14/2005	Thorium-230	2.8	0.510	0.050			1464612.250	598667.265
SU1-124-056	11/14/2005	Thorium-232	2.1	0.170	0.080	J	J	1464612.250	598667.265
SU1-124-056	11/14/2005	Tritium	75*	0.610	0.610	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Uranium-234	2	0.490	0.060			1464612.250	598667.265
SU1-124-056	11/14/2005	Uranium-235	3.2	0.059	0.059	U	UJ	1464612.250	598667.265
SU1-124-056	11/14/2005	Uranium-238	2.2	0.370	0.060			1464612.250	598667.265
SU1-124-057	02/16/2006	Actinium-227	4.6	0.410	0.410	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Actinium-228	1.93	1.050	0.310			1464627.250	598667.265
SU1-124-057	02/16/2006	Americium-241	63	0.180	0.180	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Bismuth-207	1.2	0.067	0.067	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Bismuth-210M	8.3	0.100	0.100	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Cesium-137	3.8	0.091	0.091	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Lead-210	7.4	2.200	2.200	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Lead-212	16.6	1.010	0.170			1464627.250	598667.265
SU1-124-057	02/16/2006	Lead-214	8.9	0.570	0.150			1464627.250	598667.265
SU1-124-057	02/16/2006	Plutonium-238	55	0.129	0.022			1464627.250	598667.265
SU1-124-057	02/16/2006	Plutonium-239/240	62	0.010	0.010	U	U	1464627.250	598667.265
SU1-124-057	02/16/2006	Potassium-40	47.8	34.600	0.900			1464627.250	598667.265
SU1-124-057	02/16/2006	Protactinium-231	4	1.700	1.700	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Radium-226	2.9	0.600	0.320	J	J	1464627.250	598667.265
SU1-124-057	02/16/2006	Radium-228	2.1	1.050	0.310			1464627.250	598667.265
SU1-124-057	02/16/2006	Strontium-90	94.72	1.300	1.300	U	U	1464627.250	598667.265
SU1-124-057	02/16/2006	Thallium-208	0.498	0.370	0.090			1464627.250	598667.265
SU1-124-057	02/16/2006	Thorium-228	2.6	1.070	0.090			1464627.250	598667.265
SU1-124-057	02/16/2006	Thorium-230	2.8	0.830	0.040			1464627.250	598667.265
SU1-124-057	02/16/2006	Thorium-232	2.1	1.400	0.040			1464627.250	598667.265
SU1-124-057	02/16/2006	Tritium	75*	27.400	0.500			1464627.250	598667.265
SU1-124-057	02/16/2006	Uranium-234	2	0.840	0.040			1464627.250	598667.265

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-057	02/16/2006	Uranium-235	3.2	0.042	0.042	U	UJ	1464627.250	598667.265
SU1-124-057	02/16/2006	Uranium-238	2.2	0.770	0.020			1464627.250	598667.265
SU1-124-058	02/16/2006	Actinium-227	4.6	0.410	0.410	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Actinium-228	1.93	0.870	0.330			1464642.250	598667.265
SU1-124-058	02/16/2006	Americium-241	63	0.170	0.170	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Bismuth-207	1.2	0.066	0.066	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Bismuth-210M	8.3	0.098	0.098	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Cesium-137	3.8	0.096	0.096	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Cobalt-60	0.7	0.130	0.130	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Lead-210	7.4	1.900	1.900	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Lead-212	16.6	1.020	0.180			1464642.250	598667.265
SU1-124-058	02/16/2006	Lead-214	8.9	0.520	0.130			1464642.250	598667.265
SU1-124-058	02/16/2006	Plutonium-238	55	0.031	0.024	J	J	1464642.250	598667.265
SU1-124-058	02/16/2006	Plutonium-239/240	62	0.021	0.021	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Potassium-40	47.8	29.500	0.800			1464642.250	598667.265
SU1-124-058	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464642.250	598667.265
SU1-124-058	02/16/2006	Radium-226	2.9	0.450	0.330	J	J	1464642.250	598667.265
SU1-124-058	02/16/2006	Radium-228	2.1	0.870	0.330			1464642.250	598667.265
SU1-124-058	02/16/2006	Strontium-90	94.72	1.150	1.100	J	J	1464642.250	598667.265
SU1-124-058	02/16/2006	Thallium-208	0.498	0.330	0.070			1464642.250	598667.265
SU1-124-058	02/16/2006	Thorium-228	2.6	1.330	0.070			1464642.250	598667.265
SU1-124-058	02/16/2006	Thorium-230	2.8	0.980	0.020			1464642.250	598667.265
SU1-124-058	02/16/2006	Thorium-232	2.1	1.350	0.050			1464642.250	598667.265
SU1-124-058	02/16/2006	Tritium	75*	10.000	0.400			1464642.250	598667.265
SU1-124-058	02/16/2006	Uranium-234	2	0.720	0.030			1464642.250	598667.265
SU1-124-058	02/16/2006	Uranium-235	3.2	0.062	0.024	J	J	1464642.250	598667.265
SU1-124-058	02/16/2006	Uranium-238	2.2	0.800	0.030			1464642.250	598667.265
SU1-124-059D	02/16/2006	Actinium-227	4.6	1.510	0.580	J	J	1464672.250	598667.265
SU1-124-059	02/16/2006	Actinium-227	4.6	0.490	0.490	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Actinium-228	1.93	1.070	0.380			1464672.250	598667.265
SU1-124-059D	02/16/2006	Actinium-228	1.93	0.730	0.320			1464672.250	598667.265
SU1-124-059	02/16/2006	Americium-241	63	0.200	0.200	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Americium-241	63	0.170	0.170	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Bismuth-207	1.2	0.086	0.086	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Bismuth-207	1.2	0.064	0.064	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Bismuth-210M	8.3	0.084	0.084	U	U	1464672.250	598667.265
SU1-124-059D	02/16/2006	Bismuth-214	1.17	0.450	0.150			1464672.250	598667.265
SU1-124-059	02/16/2006	Cesium-137	3.8	0.110	0.110	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Cesium-137	3.8	0.083	0.083	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Cobalt-60	0.7	0.097	0.097	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Cobalt-60	0.7	0.087	0.087	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Lead-210	7.4	2.600	2.600	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Lead-210	7.4	2.000	2.000	U	UJ	1464672.250	598667.265
SU1-124-059D	02/16/2006	Lead-212	16.6	1.100	0.100			1464672.250	598667.265
SU1-124-059	02/16/2006	Lead-212	16.6	1.060	0.170			1464672.250	598667.265
SU1-124-059	02/16/2006	Lead-214	8.9	0.780	0.190			1464672.250	598667.265
SU1-124-059D	02/16/2006	Lead-214	8.9	0.680	0.120			1464672.250	598667.265
SU1-124-059D	02/16/2006	Plutonium-238	55	3.610	0.020			1464672.250	598667.265
SU1-124-059	02/16/2006	Plutonium-238	55	3.200	0.030			1464672.250	598667.265
SU1-124-059	02/16/2006	Plutonium-239/240	62	0.025	0.019	J	J	1464672.250	598667.265
SU1-124-059D	02/16/2006	Plutonium-239/240	62	0.019	0.019	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Potassium-40	47.8	32.900	1.100			1464672.250	598667.265
SU1-124-059D	02/16/2006	Potassium-40	47.8	28.800	0.700			1464672.250	598667.265
SU1-124-059D	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Protactinium-231	4	1.700	1.700	U	U	1464672.250	598667.265
SU1-124-059D	02/16/2006	Radium-226	2.9	0.450	0.150	J	J	1464672.250	598667.265
SU1-124-059	02/16/2006	Radium-226	2.9	0.420	0.380	J	J	1464672.250	598667.265
SU1-124-059	02/16/2006	Radium-228	2.1	1.070	0.380			1464672.250	598667.265
SU1-124-059D	02/16/2006	Radium-228	2.1	0.730	0.320			1464672.250	598667.265

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-059D	02/16/2006	Strontium-90	94.72	1.600	1.600	U	UJ	1464672.250	598667.265
SU1-124-059	02/16/2006	Strontium-90	94.72	1.200	1.200	U	U	1464672.250	598667.265
SU1-124-059	02/16/2006	Thallium-208	0.498	0.410	0.100			1464672.250	598667.265
SU1-124-059D	02/16/2006	Thallium-208	0.498	0.390	0.080			1464672.250	598667.265
SU1-124-059	02/16/2006	Thorium-228	2.6	1.220	0.070			1464672.250	598667.265
SU1-124-059D	02/16/2006	Thorium-228	2.6	1.040	0.080			1464672.250	598667.265
SU1-124-059D	02/16/2006	Thorium-230	2.8	0.920	0.050			1464672.250	598667.265
SU1-124-059	02/16/2006	Thorium-230	2.8	0.900	0.050			1464672.250	598667.265
SU1-124-059D	02/16/2006	Thorium-232	2.1	1.160	0.050			1464672.250	598667.265
SU1-124-059	02/16/2006	Thorium-232	2.1	1.050	0.020			1464672.250	598667.265
SU1-124-059	02/16/2006	Tritium	75*	21.800	0.400			1464672.250	598667.265
SU1-124-059D	02/16/2006	Tritium	75*	20.200	0.400			1464672.250	598667.265
SU1-124-059	02/16/2006	Uranium-234	2	0.960	0.050			1464672.250	598667.265
SU1-124-059D	02/16/2006	Uranium-234	2	0.940	0.020			1464672.250	598667.265
SU1-124-059	02/16/2006	Uranium-235	3.2	0.041	0.032	J	J	1464672.250	598667.265
SU1-124-059D	02/16/2006	Uranium-235	3.2	0.030	0.013	J	J	1464672.250	598667.265
SU1-124-059D	02/16/2006	Uranium-238	2.2	0.860	0.030			1464672.250	598667.265
SU1-124-059	02/16/2006	Uranium-238	2.2	0.810	0.030			1464672.250	598667.265
SU1-124-062	11/21/2005	Actinium-227	4.6	0.370	0.370	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Americium-241	63	0.140	0.140	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Bismuth-207	1.2	0.036	0.036	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Bismuth-210M	8.3	0.061	0.061	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Cesium-137	3.8	0.063	0.063	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Cobalt-60	0.7	0.075	0.075	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Lead-210	7.4	1.800	1.800	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Lead-212	16.6	0.205	0.130			1464717.250	598667.265
SU1-124-062	11/21/2005	Lead-214	8.9	0.420	0.100			1464717.250	598667.265
SU1-124-062	11/21/2005	Plutonium-238	55	7.010	0.050		J	1464717.250	598667.265
SU1-124-062	11/21/2005	Plutonium-239/240	62	0.167	0.024	J	J	1464717.250	598667.265
SU1-124-062	11/21/2005	Potassium-40	47.8	4.900	0.600			1464717.250	598667.265
SU1-124-062	11/21/2005	Protactinium-231	4	1.600	1.600	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Radium-226	2.9	0.530	0.350		J	1464717.250	598667.265
SU1-124-062	11/21/2005	Radium-228	2.1	0.310	0.310	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Strontium-90	94.72	2.400	2.400	U	U	1464717.250	598667.265
SU1-124-062	11/21/2005	Thorium-228	2.6	0.190	0.190	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Thorium-230	2.8	0.610	0.110			1464717.250	598667.265
SU1-124-062	11/21/2005	Thorium-232	2.1	0.190	0.110	J	J	1464717.250	598667.265
SU1-124-062	11/21/2005	Tritium	75*	0.610	0.610	U	UJ	1464717.250	598667.265
SU1-124-062	11/21/2005	Uranium-234	2	0.520	0.060			1464717.250	598667.265
SU1-124-062	11/21/2005	Uranium-235	3.2	0.054	0.037	J	J	1464717.250	598667.265
SU1-124-062	11/21/2005	Uranium-238	2.2	0.510	0.050			1464717.250	598667.265
SU1-124-063	11/21/2005	Actinium-227	4.6	0.340	0.340	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Americium-241	63	0.100	0.100	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Bismuth-207	1.2	0.049	0.049	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Bismuth-210M	8.3	0.063	0.063	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Cesium-137	3.8	0.073	0.073	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Cobalt-60	0.7	0.075	0.075	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Lead-210	7.4	1.600	1.600	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Lead-214	8.9	0.450	0.110			1464732.250	598667.265
SU1-124-063	11/21/2005	Plutonium-238	55	6.930	0.060		J	1464732.250	598667.265
SU1-124-063	11/21/2005	Plutonium-239/240	62	0.096	0.038	J	J	1464732.250	598667.265
SU1-124-063	11/21/2005	Potassium-40	47.8	5.300	0.800			1464732.250	598667.265
SU1-124-063	11/21/2005	Protactinium-231	4	1.600	1.600	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Radium-226	2.9	0.520	0.290		J	1464732.250	598667.265
SU1-124-063	11/21/2005	Radium-228	2.1	0.340	0.340	U	U	1464732.250	598667.265
SU1-124-063	11/21/2005	Strontium-90	94.72	1.080	1.000	J	J	1464732.250	598667.265
SU1-124-063	11/21/2005	Thorium-228	2.6	0.320	0.160			1464732.250	598667.265
SU1-124-063	11/21/2005	Thorium-230	2.8	0.700	0.100			1464732.250	598667.265
SU1-124-063	11/21/2005	Thorium-232	2.1	0.270	0.100			1464732.250	598667.265
SU1-124-063	11/21/2005	Tritium	75*	0.590	0.590	U	UJ	1464732.250	598667.265

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-063	11/21/2005	Uranium-234	2	0.470	0.060			1464732.250	598667.265
SU1-124-063	11/21/2005	Uranium-235	3.2	0.056	0.056	U	UJ	1464732.250	598667.265
SU1-124-063	11/21/2005	Uranium-238	2.2	0.390	0.060			1464732.250	598667.265
SU1-124-066	11/14/2005	Actinium-227	4.6	0.540	0.540	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Americium-241	63	0.230	0.230	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Cobalt-60	0.7	0.170	0.170	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Lead-210	7.4	3.000	3.000	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Lead-212	16.6	0.580	0.220			1464619.750	598680.255
SU1-124-066	11/14/2005	Lead-214	8.9	0.550	0.160			1464619.750	598680.255
SU1-124-066	11/14/2005	Plutonium-238	55	3.860	0.050		J	1464619.750	598680.255
SU1-124-066	11/14/2005	Plutonium-239/240	62	0.113	0.048	J	J	1464619.750	598680.255
SU1-124-066	11/14/2005	Potassium-40	47.8	24.400	1.100			1464619.750	598680.255
SU1-124-066	11/14/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464619.750	598680.255
SU1-124-066	11/14/2005	Radium-226	2.9	0.670	0.460		J	1464619.750	598680.255
SU1-124-066	11/14/2005	Radium-228	2.1	0.840	0.840	U	U	1464619.750	598680.255
SU1-124-066	11/14/2005	Strontium-90	94.72	0.750	0.700	J	J	1464619.750	598680.255
SU1-124-066	11/14/2005	Thallium-208	0.498	0.180	0.090			1464619.750	598680.255
SU1-124-066	11/14/2005	Thorium-228	2.6	0.830	0.160			1464619.750	598680.255
SU1-124-066	11/14/2005	Thorium-230	2.8	0.960	0.130			1464619.750	598680.255
SU1-124-066	11/14/2005	Thorium-232	2.1	0.830	0.100			1464619.750	598680.255
SU1-124-066	11/14/2005	Tritium	75*	0.720	0.600	J	J	1464619.750	598680.255
SU1-124-066	11/14/2005	Uranium-234	2	0.700	0.050			1464619.750	598680.255
SU1-124-066	11/14/2005	Uranium-235	3.2	0.067	0.049	J	J	1464619.750	598680.255
SU1-124-066	11/14/2005	Uranium-238	2.2	0.720	0.050			1464619.750	598680.255
SU1-124-067	11/14/2005	Actinium-227	4.6	0.450	0.450	U	U	1464634.750	598680.255
SU1-124-067	11/14/2005	Americium-241	63	0.140	0.140	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Bismuth-207	1.2	0.062	0.062	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Bismuth-210M	8.3	0.080	0.080	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Cesium-137	3.8	0.071	0.071	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Cobalt-60	0.7	0.100	0.100	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Lead-210	7.4	1.800	1.800	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Plutonium-238	55	0.610	0.070		J	1464634.750	598680.255
SU1-124-067	11/14/2005	Plutonium-239/240	62	0.046	0.046	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Potassium-40	47.8	9.700	0.900			1464634.750	598680.255
SU1-124-067	11/14/2005	Protactinium-231	4	2.000	2.000	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Radium-226	2.9	0.530	0.320		J	1464634.750	598680.255
SU1-124-067	11/14/2005	Radium-228	2.1	0.490	0.490			1464634.750	598680.255
SU1-124-067	11/14/2005	Strontium-90	94.72	1.100	1.100	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Thorium-228	2.6	0.430	0.120			1464634.750	598680.255
SU1-124-067	11/14/2005	Thorium-230	2.8	0.540	0.090			1464634.750	598680.255
SU1-124-067	11/14/2005	Thorium-232	2.1	0.310	0.050			1464634.750	598680.255
SU1-124-067	11/14/2005	Tritium	75*	14.300	0.600			1464634.750	598680.255
SU1-124-067	11/14/2005	Uranium-234	2	0.420	0.040			1464634.750	598680.255
SU1-124-067	11/14/2005	Uranium-235	3.2	0.053	0.053	U	UJ	1464634.750	598680.255
SU1-124-067	11/14/2005	Uranium-238	2.2	0.340	0.040			1464634.750	598680.255
SU1-124-068	02/16/2006	Actinium-227	4.6	0.410	0.410	U	U	1464649.750	598680.255
SU1-124-068	02/16/2006	Actinium-228	1.93	1.050	0.330			1464649.750	598680.255
SU1-124-068	02/16/2006	Americium-241	63	0.170	0.170	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Bismuth-207	1.2	0.077	0.077	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Bismuth-210M	8.3	0.090	0.090	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Cesium-137	3.8	0.110	0.110	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Cobalt-60	0.7	0.130	0.130	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Lead-210	7.4	2.000	2.000	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Lead-212	16.6	0.980	0.150			1464649.750	598680.255
SU1-124-068	02/16/2006	Lead-214	8.9	0.710	0.150			1464649.750	598680.255
SU1-124-068	02/16/2006	Plutonium-238	55	2.310	0.030			1464649.750	598680.255
SU1-124-068	02/16/2006	Plutonium-239/240	62	0.028	0.028	U	U	1464649.750	598680.255

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-068	02/16/2006	Potassium-40	47.8	32.600	1.100			1464649.750	598680.255
SU1-124-068	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464649.750	598680.255
SU1-124-068	02/16/2006	Radium-226	2.9	0.560	0.360	J	J	1464649.750	598680.255
SU1-124-068	02/16/2006	Radium-228	2.1	1.050	0.330			1464649.750	598680.255
SU1-124-068	02/16/2006	Strontium-90	94.72	1.100	1.100	U	U	1464649.750	598680.255
SU1-124-068	02/16/2006	Thallium-208	0.498	0.360	0.100			1464649.750	598680.255
SU1-124-068	02/16/2006	Thorium-228	2.6	1.070	0.060			1464649.750	598680.255
SU1-124-068	02/16/2006	Thorium-230	2.8	0.670	0.030			1464649.750	598680.255
SU1-124-068	02/16/2006	Thorium-232	2.1	1.150	0.050			1464649.750	598680.255
SU1-124-068	02/16/2006	Tritium	75*	13.600	0.400			1464649.750	598680.255
SU1-124-068	02/16/2006	Uranium-234	2	0.690	0.030			1464649.750	598680.255
SU1-124-068	02/16/2006	Uranium-235	3.2	0.052	0.042	J	J	1464649.750	598680.255
SU1-124-068	02/16/2006	Uranium-238	2.2	0.890	0.020			1464649.750	598680.255
SU1-124-069	02/16/2006	Actinium-227	4.6	0.430	0.430	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Actinium-228	1.93	1.000	0.350			1464664.750	598680.255
SU1-124-069	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Bismuth-207	1.2	0.064	0.064	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Bismuth-210M	8.3	0.082	0.082	U	U	1464664.750	598680.255
SU1-124-069	02/16/2006	Cesium-137	3.8	0.084	0.084	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Cobalt-60	0.7	0.090	0.090	U	U	1464664.750	598680.255
SU1-124-069	02/16/2006	Lead-210	7.4	2.200	2.200	U	U	1464664.750	598680.255
SU1-124-069	02/16/2006	Lead-212	16.6	1.020	0.170			1464664.750	598680.255
SU1-124-069	02/16/2006	Lead-214	8.9	0.510	0.150			1464664.750	598680.255
SU1-124-069	02/16/2006	Plutonium-238	55	0.303	0.030			1464664.750	598680.255
SU1-124-069	02/16/2006	Plutonium-239/240	62	0.012	0.012	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Potassium-40	47.8	33.000	0.900			1464664.750	598680.255
SU1-124-069	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Radium-226	2.9	0.660	0.320	J	J	1464664.750	598680.255
SU1-124-069	02/16/2006	Radium-228	2.1	1.000	0.350			1464664.750	598680.255
SU1-124-069	02/16/2006	Strontium-90	94.72	1.200	1.200	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Thallium-208	0.498	0.380	0.090			1464664.750	598680.255
SU1-124-069	02/16/2006	Thorium-228	2.6	1.290	0.090			1464664.750	598680.255
SU1-124-069	02/16/2006	Thorium-230	2.8	0.770	0.030			1464664.750	598680.255
SU1-124-069	02/16/2006	Thorium-232	2.1	1.070	0.050			1464664.750	598680.255
SU1-124-069	02/16/2006	Tritium	75*	15.300	0.400			1464664.750	598680.255
SU1-124-069	02/16/2006	Uranium-234	2	1.080	0.020			1464664.750	598680.255
SU1-124-069	02/16/2006	Uranium-235	3.2	0.025	0.025	U	UJ	1464664.750	598680.255
SU1-124-069	02/16/2006	Uranium-238	2.2	0.880	0.010			1464664.750	598680.255
SU1-124-070	02/16/2006	Actinium-227	4.6	1.330	0.610	J	J	1464679.750	598680.255
SU1-124-070	02/16/2006	Actinium-228	1.93	1.180	0.310			1464679.750	598680.255
SU1-124-070	02/16/2006	Americium-241	63	0.180	0.180	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Bismuth-207	1.2	0.069	0.069	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Bismuth-210M	8.3	0.094	0.094	U	U	1464679.750	598680.255
SU1-124-070	02/16/2006	Cesium-137	3.8	0.086	0.086	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Lead-210	7.4	2.200	2.200	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Lead-212	16.6	0.860	0.140			1464679.750	598680.255
SU1-124-070	02/16/2006	Lead-214	8.9	0.630	0.140			1464679.750	598680.255
SU1-124-070	02/16/2006	Plutonium-238	55	0.068	0.034	J	J	1464679.750	598680.255
SU1-124-070	02/16/2006	Plutonium-239/240	62	0.027	0.027	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Potassium-40	47.8	36.000	0.800			1464679.750	598680.255
SU1-124-070	02/16/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Radium-226	2.9	0.500	0.280	J	J	1464679.750	598680.255
SU1-124-070	02/16/2006	Radium-228	2.1	1.180	0.310			1464679.750	598680.255
SU1-124-070	02/16/2006	Strontium-90	94.72	0.950	0.950	U	UJ	1464679.750	598680.255
SU1-124-070	02/16/2006	Thallium-208	0.498	0.350	0.080			1464679.750	598680.255
SU1-124-070	02/16/2006	Thorium-228	2.6	1.440	0.090			1464679.750	598680.255
SU1-124-070	02/16/2006	Thorium-230	2.8	0.900	0.060			1464679.750	598680.255
SU1-124-070	02/16/2006	Thorium-232	2.1	1.240	0.040			1464679.750	598680.255
SU1-124-070	02/16/2006	Tritium	75*	25.300	0.400			1464679.750	598680.255

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-070	02/16/2006	Uranium-234	2	1.580	0.050			1464679.750	598680.255
SU1-124-070	02/16/2006	Uranium-235	3.2	0.082	0.025	J	J	1464679.750	598680.255
SU1-124-070	02/16/2006	Uranium-238	2.2	0.960	0.040			1464679.750	598680.255
SU1-124-071	11/21/2005	Actinium-227	4.6	0.770	0.770	U	U	1464694.750	598680.255
SU1-124-071	11/21/2005	Americium-241	63	0.260	0.260	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Bismuth-207	1.2	0.140	0.140	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Bismuth-210M	8.3	0.160	0.160	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Cesium-137	3.8	0.170	0.170	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Cobalt-60	0.7	0.210	0.210	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Lead-210	7.4	3.700	3.700	U	U	1464694.750	598680.255
SU1-124-071	11/21/2005	Lead-212	16.6	1.110	0.280			1464694.750	598680.255
SU1-124-071	11/21/2005	Lead-214	8.9	1.080	0.220			1464694.750	598680.255
SU1-124-071	11/21/2005	Plutonium-238	55	2.760	0.060		J	1464694.750	598680.255
SU1-124-071	11/21/2005	Plutonium-239/240	62	0.046	0.046	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Potassium-40	47.8	31.300	1.200			1464694.750	598680.255
SU1-124-071	11/21/2005	Protactinium-231	4	3.500	3.500	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Radium-226	2.9	0.790	0.570		J	1464694.750	598680.255
SU1-124-071	11/21/2005	Radium-228	2.1	1.240	1.100			1464694.750	598680.255
SU1-124-071	11/21/2005	Strontium-90	94.72	1.200	1.200	U	UJ	1464694.750	598680.255
SU1-124-071	11/21/2005	Thallium-208	0.498	0.380	0.110			1464694.750	598680.255
SU1-124-071	11/21/2005	Thorium-228	2.6	1.410	0.130			1464694.750	598680.255
SU1-124-071	11/21/2005	Thorium-230	2.8	1.020	0.110			1464694.750	598680.255
SU1-124-071	11/21/2005	Thorium-232	2.1	0.990	0.120			1464694.750	598680.255
SU1-124-071	11/21/2005	Tritium	75*	1.580	0.600	J	J	1464694.750	598680.255
SU1-124-071	11/21/2005	Uranium-234	2	1.470	0.040			1464694.750	598680.255
SU1-124-071	11/21/2005	Uranium-235	3.2	0.100	0.030	J	J	1464694.750	598680.255
SU1-124-071	11/21/2005	Uranium-238	2.2	0.890	0.040			1464694.750	598680.255
SU1-124-072	11/21/2005	Actinium-227	4.6	0.590	0.590	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Actinium-228	1.93	1.460	0.540			1464709.750	598680.255
SU1-124-072	11/21/2005	Americium-241	63	0.260	0.260	U	U	1464709.750	598680.255
SU1-124-072	11/21/2005	Bismuth-207	1.2	0.100	0.100	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Cesium-137	3.8	0.170	0.170	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Cobalt-60	0.7	0.200	0.200	U	U	1464709.750	598680.255
SU1-124-072	11/21/2005	Lead-210	7.4	2.800	2.800	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Lead-212	16.6	0.980	0.210			1464709.750	598680.255
SU1-124-072	11/21/2005	Lead-214	8.9	0.650	0.160			1464709.750	598680.255
SU1-124-072	11/21/2005	Plutonium-238	55	11.100	0.060		J	1464709.750	598680.255
SU1-124-072	11/21/2005	Plutonium-239/240	62	0.320	0.050			1464709.750	598680.255
SU1-124-072	11/21/2005	Potassium-40	47.8	30.300	0.300			1464709.750	598680.255
SU1-124-072	11/21/2005	Protactinium-231	4	3.400	3.400	U	UJ	1464709.750	598680.255
SU1-124-072	11/21/2005	Radium-226	2.9	0.700	0.560		J	1464709.750	598680.255
SU1-124-072	11/21/2005	Radium-228	2.1	1.460	0.540			1464709.750	598680.255
SU1-124-072	11/21/2005	Strontium-90	94.72	1.300	1.300	U	U	1464709.750	598680.255
SU1-124-072	11/21/2005	Thallium-208	0.498	0.410	0.120			1464709.750	598680.255
SU1-124-072	11/21/2005	Thorium-228	2.6	0.850	0.100			1464709.750	598680.255
SU1-124-072	11/21/2005	Thorium-230	2.8	0.770	0.070			1464709.750	598680.255
SU1-124-072	11/21/2005	Thorium-232	2.1	1.460	0.540			1464709.750	598680.255
SU1-124-072	11/21/2005	Thorium-232	2.1	0.860	0.040			1464709.750	598680.255
SU1-124-072	11/21/2005	Tritium	75*	1.280	0.650	J	J	1464709.750	598680.255
SU1-124-072	11/21/2005	Uranium-234	2	0.850	0.040			1464709.750	598680.255
SU1-124-072	11/21/2005	Uranium-235	3.2	0.055	0.048	J	J	1464709.750	598680.255
SU1-124-072	11/21/2005	Uranium-238	2.2	0.840	0.020			1464709.750	598680.255
SU1-124-073	11/21/2005	Actinium-227	4.6	0.570	0.570	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Americium-241	63	0.220	0.220	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Bismuth-210M	8.3	0.140	0.140	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Cobalt-60	0.7	0.100	0.100	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Lead-210	7.4	3.800	3.800	U	U	1464724.750	598680.255

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-073	11/21/2005	Lead-212	16.6	0.560	0.270			1464724.750	598680.255
SU1-124-073	11/21/2005	Lead-214	8.9	0.420	0.190			1464724.750	598680.255
SU1-124-073	11/21/2005	Plutonium-238	55	6.450	0.070		J	1464724.750	598680.255
SU1-124-073	11/21/2005	Plutonium-239/240	62	0.097	0.049	J	J	1464724.750	598680.255
SU1-124-073	11/21/2005	Potassium-40	47.8	21.200	1.600			1464724.750	598680.255
SU1-124-073	11/21/2005	Protactinium-231	4	3.500	3.500	U	U	1464724.750	598680.255
SU1-124-073	11/21/2005	Radium-226	2.9	0.570	0.490		J	1464724.750	598680.255
SU1-124-073	11/21/2005	Radium-228	2.1	0.940	0.940	U	U	1464724.750	598680.255
SU1-124-073	11/21/2005	Strontium-90	94.72	0.560	0.560	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Thallium-208	0.498	0.240	0.120			1464724.750	598680.255
SU1-124-073	11/21/2005	Thorium-228	2.6	1.010	0.140			1464724.750	598680.255
SU1-124-073	11/21/2005	Thorium-230	2.8	0.940	0.090			1464724.750	598680.255
SU1-124-073	11/21/2005	Thorium-232	2.1	1.170	0.090			1464724.750	598680.255
SU1-124-073	11/21/2005	Tritium	75*	1.810	0.550	J	J	1464724.750	598680.255
SU1-124-073	11/21/2005	Uranium-234	2	0.540	0.040			1464724.750	598680.255
SU1-124-073	11/21/2005	Uranium-235	3.2	0.049	0.049	U	UJ	1464724.750	598680.255
SU1-124-073	11/21/2005	Uranium-238	2.2	0.720	0.020			1464724.750	598680.255
SU1-124-074	11/21/2005	Actinium-227	4.6	0.650	0.650	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Actinium-228	1.93	0.820	0.470			1464612.250	598693.246
SU1-124-074	11/21/2005	Americium-241	63	0.250	0.250	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Bismuth-207	1.2	0.120	0.120	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Bismuth-210M	8.3	0.150	0.150	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Cesium-137	3.8	0.150	0.150	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Cobalt-60	0.7	0.210	0.210	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Lead-210	7.4	3.200	3.200	U	UJ	1464612.250	598693.246
SU1-124-074	11/21/2005	Lead-212	16.6	0.890	0.220			1464612.250	598693.246
SU1-124-074	11/21/2005	Lead-214	8.9	0.750	0.200			1464612.250	598693.246
SU1-124-074	11/21/2005	Plutonium-238	55	5.980	0.060		J	1464612.250	598693.246
SU1-124-074	11/21/2005	Plutonium-239/240	62	0.208	0.027			1464612.250	598693.246
SU1-124-074	11/21/2005	Potassium-40	47.8	25.800	1.500			1464612.250	598693.246
SU1-124-074	11/21/2005	Protactinium-231	4	3.800	3.800	U	U	1464612.250	598693.246
SU1-124-074	11/21/2005	Radium-226	2.9	0.550	0.500		J	1464612.250	598693.246
SU1-124-074	11/21/2005	Radium-228	2.1	0.820	0.470			1464612.250	598693.246
SU1-124-074	11/21/2005	Strontium-90	94.72	1.400	1.400	U	U	1464612.250	598693.246
SU1-124-074	11/21/2005	Thallium-208	0.498	0.380	0.180			1464612.250	598693.246
SU1-124-074	11/21/2005	Thorium-228	2.6	1.090	0.110			1464612.250	598693.246
SU1-124-074	11/21/2005	Thorium-230	2.8	0.650	0.050			1464612.250	598693.246
SU1-124-074	11/21/2005	Thorium-232	2.1	0.970	0.080			1464612.250	598693.246
SU1-124-074	11/21/2005	Thorium-232	2.1	0.820	0.470			1464612.250	598693.246
SU1-124-074	11/21/2005	Tritium	75*	2.700	0.560		J	1464612.250	598693.246
SU1-124-074	11/21/2005	Uranium-234	2	0.630	0.040			1464612.250	598693.246
SU1-124-074	11/21/2005	Uranium-235	3.2	0.035	0.032	J	J	1464612.250	598693.246
SU1-124-074	11/21/2005	Uranium-238	2.2	0.590	0.030			1464612.250	598693.246
SU1-124-075	11/21/2005	Actinium-227	4.6	0.480	0.480	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Actinium-228	1.93	0.690	0.330			1464627.250	598693.246
SU1-124-075	11/21/2005	Americium-241	63	0.180	0.180	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Bismuth-207	1.2	0.079	0.079	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Cobalt-60	0.7	0.160	0.160	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Lead-210	7.4	2.500	2.500	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Lead-212	16.6	0.820	0.160			1464627.250	598693.246
SU1-124-075	11/21/2005	Lead-214	8.9	0.790	0.170			1464627.250	598693.246
SU1-124-075	11/21/2005	Plutonium-238	55	13.600	0.080			1464627.250	598693.246
SU1-124-075	11/21/2005	Plutonium-239/240	62	0.330	0.060			1464627.250	598693.246
SU1-124-075	11/21/2005	Potassium-40	47.8	19.600	1.000			1464627.250	598693.246
SU1-124-075	11/21/2005	Protactinium-231	4	3.000	3.000	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Radium-226	2.9	0.640	0.420		J	1464627.250	598693.246
SU1-124-075	11/21/2005	Radium-228	2.1	0.690	0.330			1464627.250	598693.246
SU1-124-075	11/21/2005	Strontium-90	94.72	1.400	1.400	U	UJ	1464627.250	598693.246

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-075	11/21/2005	Thallium-208	0.498	0.306	0.110			1464627.250	598693.246
SU1-124-075	11/21/2005	Thorium-228	2.6	1.100	0.120			1464627.250	598693.246
SU1-124-075	11/21/2005	Thorium-230	2.8	0.770	0.080			1464627.250	598693.246
SU1-124-075	11/21/2005	Thorium-232	2.1	0.810	0.070			1464627.250	598693.246
SU1-124-075	11/21/2005	Thorium-232	2.1	0.690	0.330			1464627.250	598693.246
SU1-124-075	11/21/2005	Tritium	75*	0.570	0.570	U	UJ	1464627.250	598693.246
SU1-124-075	11/21/2005	Uranium-234	2	0.770	0.050			1464627.250	598693.246
SU1-124-075	11/21/2005	Uranium-235	3.2	0.069	0.051	J	J	1464627.250	598693.246
SU1-124-075	11/21/2005	Uranium-238	2.2	0.680	0.040			1464627.250	598693.246
SU1-124-076	02/16/2006	Actinium-227	4.6	0.220	0.220	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Actinium-228	1.93	0.990	0.170			1464642.250	598693.246
SU1-124-076	02/16/2006	Americium-241	63	0.093	0.093	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Bismuth-207	1.2	0.044	0.044	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Bismuth-210M	8.3	0.053	0.053	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Bismuth-212	9.87	1.050	0.690			1464642.250	598693.246
SU1-124-076	02/16/2006	Bismuth-214	1.17	0.550	0.110			1464642.250	598693.246
SU1-124-076	02/16/2006	Cesium-137	3.8	0.059	0.059	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Cobalt-60	0.7	0.061	0.061	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Lead-210	7.4	1.100	1.100	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Lead-212	16.6	1.060	0.060			1464642.250	598693.246
SU1-124-076	02/16/2006	Lead-214	8.9	0.590	0.080			1464642.250	598693.246
SU1-124-076	02/16/2006	Plutonium-238	55	0.890	0.020			1464642.250	598693.246
SU1-124-076	02/16/2006	Plutonium-239/240	62	0.023	0.023	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Potassium-40	47.8	26.800	0.400			1464642.250	598693.246
SU1-124-076	02/16/2006	Protactinium-231	4	0.930	0.930	U	U	1464642.250	598693.246
SU1-124-076	02/16/2006	Radium-226	2.9	0.550	0.110	J	J	1464642.250	598693.246
SU1-124-076	02/16/2006	Radium-228	2.1	0.990	0.170			1464642.250	598693.246
SU1-124-076	02/16/2006	Strontium-90	94.72	0.850	0.850	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Thallium-208	0.498	0.376	0.050			1464642.250	598693.246
SU1-124-076	02/16/2006	Thorium-228	2.6	1.140	0.050			1464642.250	598693.246
SU1-124-076	02/16/2006	Thorium-230	2.8	1.060	0.030			1464642.250	598693.246
SU1-124-076	02/16/2006	Thorium-232	2.1	1.380	0.030			1464642.250	598693.246
SU1-124-076	02/16/2006	Tritium	75*	0.380	0.380	U	UJ	1464642.250	598693.246
SU1-124-076	02/16/2006	Uranium-234	2	0.620	0.020			1464642.250	598693.246
SU1-124-076	02/16/2006	Uranium-235	3.2	0.041	0.023	J	J	1464642.250	598693.246
SU1-124-076	02/16/2006	Uranium-238	2.2	0.710	0.010			1464642.250	598693.246
SU1-124-077	02/16/2006	Actinium-227	4.6	0.280	0.280	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Americium-241	63	0.120	0.120	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Bismuth-207	1.2	0.047	0.047	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Bismuth-210M	8.3	0.064	0.064	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Cesium-137	3.8	0.056	0.056	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Cobalt-60	0.7	0.061	0.061	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Lead-210	7.4	1.400	1.400	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Plutonium-238	55	3.320	0.020			1464657.250	598693.246
SU1-124-077	02/16/2006	Plutonium-239/240	62	0.040	0.018	J	J	1464657.250	598693.246
SU1-124-077	02/16/2006	Potassium-40	47.8	25.800	0.700			1464657.250	598693.246
SU1-124-077	02/16/2006	Protactinium-231	4	1.200	1.200	U	U	1464657.250	598693.246
SU1-124-077	02/16/2006	Radium-226	2.9	0.560	0.110	J	J	1464657.250	598693.246
SU1-124-077	02/16/2006	Radium-228	2.1	0.850	0.230			1464657.250	598693.246
SU1-124-077	02/16/2006	Strontium-90	94.72	0.710	0.710	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Thorium-228	2.6	0.890	0.070			1464657.250	598693.246
SU1-124-077	02/16/2006	Thorium-230	2.8	0.680	0.050			1464657.250	598693.246
SU1-124-077	02/16/2006	Thorium-232	2.1	0.920	0.050			1464657.250	598693.246
SU1-124-077	02/16/2006	Tritium	75*	0.380	0.380	U	UJ	1464657.250	598693.246
SU1-124-077	02/16/2006	Uranium-234	2	0.670	0.020			1464657.250	598693.246
SU1-124-077	02/16/2006	Uranium-235	3.2	0.049	0.013	J	J	1464657.250	598693.246
SU1-124-077	02/16/2006	Uranium-238	2.2	0.640	0.020			1464657.250	598693.246
SU1-124-078	02/16/2006	Actinium-227	4.6	1.480	0.470	J	J	1464672.250	598693.246
SU1-124-078	02/16/2006	Actinium-228	1.93	1.120	0.230			1464672.250	598693.246
SU1-124-078	02/16/2006	Americium-241	63	0.130	0.130	U	U	1464672.250	598693.246

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-078	02/16/2006	Bismuth-207	1.2	0.052	0.052	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Bismuth-210M	8.3	0.070	0.070	U	U	1464672.250	598693.246
SU1-124-078	02/16/2006	Bismuth-212	9.87	0.880	0.880			1464672.250	598693.246
SU1-124-078	02/16/2006	Bismuth-214	1.17	0.550	0.120			1464672.250	598693.246
SU1-124-078	02/16/2006	Cesium-137	3.8	0.068	0.068	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Cobalt-60	0.7	0.076	0.076	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Lead-210	7.4	1.500	1.500	U	U	1464672.250	598693.246
SU1-124-078	02/16/2006	Plutonium-238	55	0.530	0.040			1464672.250	598693.246
SU1-124-078	02/16/2006	Plutonium-239/240	62	0.019	0.019	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Potassium-40	47.8	28.000	0.700			1464672.250	598693.246
SU1-124-078	02/16/2006	Protactinium-231	4	1.400	1.400	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Radium-226	2.9	0.550	0.120	J	J	1464672.250	598693.246
SU1-124-078	02/16/2006	Radium-228	2.1	1.120	0.230			1464672.250	598693.246
SU1-124-078	02/16/2006	Strontium-90	94.72	0.880	0.880	U	UJ	1464672.250	598693.246
SU1-124-078	02/16/2006	Thallium-208	0.498	0.344	0.063			1464672.250	598693.246
SU1-124-078	02/16/2006	Thorium-228	2.6	0.890	0.060			1464672.250	598693.246
SU1-124-078	02/16/2006	Thorium-230	2.8	0.800	0.030			1464672.250	598693.246
SU1-124-078	02/16/2006	Thorium-232	2.1	0.910	0.050			1464672.250	598693.246
SU1-124-078	02/16/2006	Tritium	75*	50.200	0.400			1464672.250	598693.246
SU1-124-078	**02/16/2006**	**Uranium-234**	**2**	**2.400**	**0.030**			**1464672.250**	**598693.246**
SU1-124-078	02/16/2006	Uranium-235	3.2	0.031	0.014	J	J	1464672.250	598693.246
SU1-124-078	02/16/2006	Uranium-238	2.2	0.780	0.020			1464672.250	598693.246
SU1-124-079	02/16/2006	Actinium-227	4.6	0.330	0.330	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Actinium-228	1.93	0.990	0.240			1464687.250	598693.246
SU1-124-079	02/16/2006	Americium-241	63	0.130	0.130	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Bismuth-207	1.2	0.058	0.058	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Bismuth-210M	8.3	0.066	0.066	U	U	1464687.250	598693.246
SU1-124-079	02/16/2006	Bismuth-214	1.17	0.700	0.130			1464687.250	598693.246
SU1-124-079	02/16/2006	Cesium-137	3.8	0.077	0.077	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Cobalt-60	0.7	0.093	0.093	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Lead-210	7.4	1.600	1.600	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Lead-212	16.6	0.910	0.110			1464687.250	598693.246
SU1-124-079	02/16/2006	Lead-214	8.9	0.710	0.110			1464687.250	598693.246
SU1-124-079	02/16/2006	Plutonium-238	55	16.500	0.050			1464687.250	598693.246
SU1-124-079	02/16/2006	Plutonium-239/240	62	0.219	0.032			1464687.250	598693.246
SU1-124-079	02/16/2006	Potassium-40	47.8	29.300	0.600			1464687.250	598693.246
SU1-124-079	02/16/2006	Protactinium-231	4	1.400	1.400	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Radium-226	2.9	0.700	0.130	J	J	1464687.250	598693.246
SU1-124-079	02/16/2006	Radium-228	2.1	0.990	0.240			1464687.250	598693.246
SU1-124-079	02/16/2006	Strontium-90	94.72	0.580	0.580	U	UJ	1464687.250	598693.246
SU1-124-079	02/16/2006	Thallium-208	0.498	0.338	0.071			1464687.250	598693.246
SU1-124-079	02/16/2006	Thorium-228	2.6	1.100	0.040			1464687.250	598693.246
SU1-124-079	02/16/2006	Thorium-230	2.8	0.710	0.040			1464687.250	598693.246
SU1-124-079	02/16/2006	Thorium-232	2.1	0.960	0.050			1464687.250	598693.246
SU1-124-079	02/16/2006	Tritium	75*	40.100	0.400			1464687.250	598693.246
SU1-124-079	02/16/2006	Uranium-234	2	1.400	0.020			1464687.250	598693.246
SU1-124-079	02/16/2006	Uranium-235	3.2	0.039	0.013	J	J	1464687.250	598693.246
SU1-124-079	02/16/2006	Uranium-238	2.2	0.580	0.020			1464687.250	598693.246
SU1-124-080	11/14/2005	Actinium-227	4.6	0.600	0.600	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Americium-241	63	0.270	0.270	U	U	1464702.250	598693.246
SU1-124-080	11/14/2005	Bismuth-207	1.2	0.120	0.120	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Bismuth-210M	8.3	0.120	0.120	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Cesium-137	3.8	0.160	0.160	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Cobalt-60	0.7	0.180	0.180	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Lead-210	7.4	2.900	2.900	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Lead-212	16.6	1.380	0.220			1464702.250	598693.246
SU1-124-080	11/14/2005	Lead-214	8.9	1.040	0.220			1464702.250	598693.246
SU1-124-080	11/14/2005	Plutonium-238	55	3.730	0.070			1464702.250	598693.246
SU1-124-080	11/14/2005	Plutonium-239/240	62	0.070	0.066	J	J	1464702.250	598693.246
SU1-124-080	11/14/2005	Potassium-40	47.8	43.600	0.800			1464702.250	598693.246

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-080	11/14/2005	Protactinium-231	4	3.600	3.600	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Radium-226	2.9	0.800	0.510		J	1464702.250	598693.246
SU1-124-080	11/14/2005	Radium-228	2.1	1.200	0.970			1464702.250	598693.246
SU1-124-080	11/14/2005	Strontium-90	94.72	0.610	0.610	U	UJ	1464702.250	598693.246
SU1-124-080	11/14/2005	Thallium-208	0.498	0.490	0.110			1464702.250	598693.246
SU1-124-080	11/14/2005	Thorium-228	2.6	1.400	0.120			1464702.250	598693.246
SU1-124-080	11/14/2005	Thorium-230	2.8	0.900	0.090			1464702.250	598693.246
SU1-124-080	11/14/2005	Thorium-232	2.1	1.140	0.050			1464702.250	598693.246
SU1-124-080	11/14/2005	Tritium	75*	15.700	0.600		J	1464702.250	598693.246
SU1-124-080	11/14/2005	Uranium-234	2	0.980	0.020			1464702.250	598693.246
SU1-124-080	11/14/2005	Uranium-235	3.2	0.063	0.028	J	J	1464702.250	598693.246
SU1-124-080	11/14/2005	Uranium-238	2.2	0.610	0.040			1464702.250	598693.246
SU1-124-081	11/21/2005	Actinium-227	4.6	0.640	0.640	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Actinium-228	1.93	0.690	0.420			1464717.250	598693.246
SU1-124-081	11/21/2005	Americium-241	63	0.230	0.230	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Bismuth-207	1.2	0.110	0.110	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Cesium-137	3.8	0.099	0.099	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Cobalt-60	0.7	0.180	0.180	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Lead-210	7.4	2.600	2.600	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Lead-212	16.6	0.840	0.230			1464717.250	598693.246
SU1-124-081	11/21/2005	Lead-214	8.9	0.680	0.170			1464717.250	598693.246
SU1-124-081	11/21/2005	Plutonium-238	55	6.330	0.080			1464717.250	598693.246
SU1-124-081	11/21/2005	Plutonium-239/240	62	0.085	0.067	J	J	1464717.250	598693.246
SU1-124-081	11/21/2005	Potassium-40	47.8	23.500	1.100			1464717.250	598693.246
SU1-124-081	11/21/2005	Protactinium-231	4	3.200	3.200	U	UJ	1464717.250	598693.246
SU1-124-081	11/21/2005	Radium-226	2.9	0.730	0.460		J	1464717.250	598693.246
SU1-124-081	11/21/2005	Radium-228	2.1	0.690	0.420			1464717.250	598693.246
SU1-124-081	11/21/2005	Strontium-90	94.72	0.700	0.700	U	U	1464717.250	598693.246
SU1-124-081	11/21/2005	Thallium-208	0.498	0.210	0.110		J	1464717.250	598693.246
SU1-124-081	11/21/2005	Thorium-228	2.6	0.800	0.090			1464717.250	598693.246
SU1-124-081	11/21/2005	Thorium-230	2.8	0.850	0.080			1464717.250	598693.246
SU1-124-081	11/21/2005	Thorium-232	2.1	0.690	0.420			1464717.250	598693.246
SU1-124-081	11/21/2005	Thorium-232	2.1	0.600	0.060			1464717.250	598693.246
SU1-124-081	11/21/2005	Tritium	75*	0.800	0.570	J	J	1464717.250	598693.246
SU1-124-081	11/21/2005	Uranium-234	2	0.730	0.040			1464717.250	598693.246
SU1-124-081	11/21/2005	Uranium-235	3.2	0.049	0.033	J	J	1464717.250	598693.246
SU1-124-081	11/21/2005	Uranium-238	2.2	0.830	0.030			1464717.250	598693.246
SU1-124-082	02/16/2006	Actinium-227	4.6	0.410	0.410	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Actinium-228	1.93	0.910	0.340			1464732.250	598693.246
SU1-124-082	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Bismuth-207	1.2	0.064	0.064	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Bismuth-210M	8.3	0.087	0.087	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Cesium-137	3.8	0.086	0.086	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Cobalt-60	0.7	0.088	0.088	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Lead-210	7.4	2.000	2.000	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Lead-212	16.6	0.920	0.140			1464732.250	598693.246
SU1-124-082	02/16/2006	Lead-214	8.9	0.570	0.140			1464732.250	598693.246
SU1-124-082	02/16/2006	Plutonium-238	55	1.400	0.040			1464732.250	598693.246
SU1-124-082	02/16/2006	Plutonium-239/240	62	0.019	0.019	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Potassium-40	47.8	27.200	0.800			1464732.250	598693.246
SU1-124-082	02/16/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Radium-226	2.9	0.570	0.300	J	J	1464732.250	598693.246
SU1-124-082	02/16/2006	Radium-228	2.1	0.910	0.340			1464732.250	598693.246
SU1-124-082	02/16/2006	Strontium-90	94.72	0.770	0.770	U	UJ	1464732.250	598693.246
SU1-124-082	02/16/2006	Thallium-208	0.498	0.284	0.083			1464732.250	598693.246
SU1-124-082	02/16/2006	Thorium-228	2.6	1.200	0.070			1464732.250	598693.246
SU1-124-082	02/16/2006	Thorium-230	2.8	0.800	0.050		J	1464732.250	598693.246
SU1-124-082	02/16/2006	Thorium-232	2.1	1.010	0.060			1464732.250	598693.246
SU1-124-082	02/16/2006	Tritium	75*	69.800	0.400			1464732.250	598693.246

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-082	02/16/2006	Uranium-234	2	0.710	0.020			1464732.250	598693.246
SU1-124-082	02/16/2006	Uranium-235	3.2	0.035	0.013	J	J	1464732.250	598693.246
SU1-124-082	02/16/2006	Uranium-238	2.2	0.720	0.010			1464732.250	598693.246
SU1-124-083	02/16/2006	Actinium-227	4.6	1.290	0.500	J	J	1464634.750	598706.236
SU1-124-083	02/16/2006	Actinium-228	1.93	0.780	0.260			1464634.750	598706.236
SU1-124-083	02/16/2006	Americium-241	63	0.140	0.140	U	U	1464634.750	598706.236
SU1-124-083	02/16/2006	Bismuth-207	1.2	0.058	0.058	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Bismuth-210M	8.3	0.077	0.077	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Cesium-137	3.8	0.073	0.073	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Cobalt-60	0.7	0.084	0.084	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Lead-212	16.6	0.880	0.090			1464634.750	598706.236
SU1-124-083	02/16/2006	Lead-214	8.9	0.430	0.110			1464634.750	598706.236
SU1-124-083	02/16/2006	Plutonium-238	55	3.780	0.050			1464634.750	598706.236
SU1-124-083	02/16/2006	Plutonium-239/240	62	0.041	0.033	J	J	1464634.750	598706.236
SU1-124-083	02/16/2006	Potassium-40	47.8	25.200	0.600			1464634.750	598706.236
SU1-124-083	02/16/2006	Protactinium-231	4	1.400	1.400	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Radium-226	2.9	0.390	0.220	J	J	1464634.750	598706.236
SU1-124-083	02/16/2006	Radium-228	2.1	0.780	0.260			1464634.750	598706.236
SU1-124-083	02/16/2006	Strontium-90	94.72	0.540	0.540	U	UJ	1464634.750	598706.236
SU1-124-083	02/16/2006	Thallium-208	0.498	0.271	0.068			1464634.750	598706.236
SU1-124-083	02/16/2006	Thorium-228	2.6	1.110	0.080			1464634.750	598706.236
SU1-124-083	02/16/2006	Thorium-230	2.8	0.760	0.040			1464634.750	598706.236
SU1-124-083	02/16/2006	Thorium-232	2.1	0.990	0.040			1464634.750	598706.236
SU1-124-083	02/16/2006	Tritium	75*	11.400	0.400			1464634.750	598706.236
SU1-124-083	02/16/2006	Uranium-234	2	0.720	0.020			1464634.750	598706.236
SU1-124-083	02/16/2006	Uranium-235	3.2	0.026	0.024	J	J	1464634.750	598706.236
SU1-124-083	02/16/2006	Uranium-238	2.2	0.640	0.020			1464634.750	598706.236
SU1-124-084	11/21/2005	Actinium-227	4.6	0.550	0.550	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Americium-241	63	0.210	0.210	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Bismuth-207	1.2	0.099	0.099	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Bismuth-210M	8.3	0.130	0.130	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Cesium-137	3.8	0.160	0.160	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Cobalt-60	0.7	0.094	0.094	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Lead-210	7.4	3.100	3.100	U	U	1464664.750	598706.236
SU1-124-084	11/21/2005	Lead-212	16.6	0.740	0.240			1464664.750	598706.236
SU1-124-084	11/21/2005	Lead-214	8.9	0.750	0.190			1464664.750	598706.236
SU1-124-084	11/21/2005	Plutonium-238	55	0.560	0.070			1464664.750	598706.236
SU1-124-084	11/21/2005	Plutonium-239/240	62	0.054	0.054	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Potassium-40	47.8	19.800	1.200			1464664.750	598706.236
SU1-124-084	11/21/2005	Protactinium-231	4	2.600	2.600	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Radium-226	2.9	0.810	0.510		J	1464664.750	598706.236
SU1-124-084	11/21/2005	Radium-228	2.1	0.850	0.850	U	U	1464664.750	598706.236
SU1-124-084	11/21/2005	Strontium-90	94.72	0.690	0.690	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Thallium-208	0.498	0.210	0.120		J	1464664.750	598706.236
SU1-124-084	11/21/2005	Thorium-228	2.6	1.200	0.140			1464664.750	598706.236
SU1-124-084	11/21/2005	Thorium-230	2.8	0.970	0.090			1464664.750	598706.236
SU1-124-084	11/21/2005	Thorium-232	2.1	0.990	0.090			1464664.750	598706.236
SU1-124-084	11/21/2005	Tritium	75*	0.560	0.560	U	UJ	1464664.750	598706.236
SU1-124-084	11/21/2005	Uranium-234	2	0.740	0.050			1464664.750	598706.236
SU1-124-084	11/21/2005	Uranium-235	3.2	0.055	0.030	J	J	1464664.750	598706.236
SU1-124-084	11/21/2005	Uranium-238	2.2	0.670	0.020			1464664.750	598706.236
SU1-124-085	02/16/2006	Actinium-227	4.6	0.380	0.380	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Actinium-228	1.93	0.930	0.260			1464679.750	598706.236
SU1-124-085	02/16/2006	Americium-241	63	0.140	0.140	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Bismuth-207	1.2	0.060	0.060	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Bismuth-210M	8.3	0.076	0.076	U	U	1464679.750	598706.236
SU1-124-085	02/16/2006	Cesium-137	3.8	0.090	0.090	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Cobalt-60	0.7	0.080	0.080	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Lead-210	7.4	2.000	2.000	U	U	1464679.750	598706.236

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-085	02/16/2006	Lead-212	16.6	0.720	0.130			1464679.750	598706.236
SU1-124-085	02/16/2006	Lead-214	8.9	0.630	0.130			1464679.750	598706.236
SU1-124-085	02/16/2006	Plutonium-238	55	2.130	0.030			1464679.750	598706.236
SU1-124-085	02/16/2006	Plutonium-239/240	62	0.020	0.020	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Potassium-40	47.8	26.100	0.600			1464679.750	598706.236
SU1-124-085	02/16/2006	Protactinium-231	4	1.500	1.500	U	U	1464679.750	598706.236
SU1-124-085	02/16/2006	Radium-226	2.9	0.580	0.300	J	J	1464679.750	598706.236
SU1-124-085	02/16/2006	Radium-228	2.1	0.930	0.260			1464679.750	598706.236
SU1-124-085	02/16/2006	Strontium-90	94.72	0.730	0.730	U	UJ	1464679.750	598706.236
SU1-124-085	02/16/2006	Thallium-208	0.498	0.320	0.075			1464679.750	598706.236
SU1-124-085	02/16/2006	Thorium-228	2.6	1.020	0.030			1464679.750	598706.236
SU1-124-085	02/16/2006	Thorium-230	2.8	0.790	0.050			1464679.750	598706.236
SU1-124-085	02/16/2006	Thorium-232	2.1	0.990	0.060			1464679.750	598706.236
SU1-124-085	02/16/2006	Tritium	75*	10.100	0.400			1464679.750	598706.236
SU1-124-085	02/16/2006	Uranium-234	2	0.750	0.020			1464679.750	598706.236
SU1-124-085	02/16/2006	Uranium-235	3.2	0.078	0.015	J	J	1464679.750	598706.236
SU1-124-085	02/16/2006	Uranium-238	2.2	0.760	0.020			1464679.750	598706.236
SU1-124-086	03/01/2006	Actinium-227	4.6	1.500	0.580	J	J	1464694.750	598706.236
SU1-124-086	03/01/2006	Actinium-228	1.93	0.920	0.310			1464694.750	598706.236
SU1-124-086	03/01/2006	Americium-241	63	0.170	0.170	U	U	1464694.750	598706.236
SU1-124-086	03/01/2006	Bismuth-207	1.2	0.072	0.072	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Bismuth-210M	8.3	0.094	0.094	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Bismuth-212	9.87	1.600	1.100			1464694.750	598706.236
SU1-124-086	03/01/2006	Bismuth-214	1.17	0.730	0.150			1464694.750	598706.236
SU1-124-086	03/01/2006	Cesium-137	3.8	0.078	0.078	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Cobalt-60	0.7	0.091	0.091	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Lead-210	7.4	1.900	1.900	U	U	1464694.750	598706.236
SU1-124-086	03/01/2006	Lead-212	16.6	0.950	0.140			1464694.750	598706.236
SU1-124-086	03/01/2006	Lead-214	8.9	0.570	0.120			1464694.750	598706.236
SU1-124-086	03/01/2006	Plutonium-238	55	0.094	0.059	J	J	1464694.750	598706.236
SU1-124-086	03/01/2006	Plutonium-239/240	62	0.053	0.053	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Potassium-40	47.8	31.400	0.800			1464694.750	598706.236
SU1-124-086	03/01/2006	Protactinium-231	4	1.800	1.800	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Radium-226	2.9	0.730	0.150	J	J	1464694.750	598706.236
SU1-124-086	03/01/2006	Radium-228	2.1	0.920	0.310			1464694.750	598706.236
SU1-124-086	03/01/2006	Strontium-90	94.72	1.100	1.100	U	UJ	1464694.750	598706.236
SU1-124-086	03/01/2006	Thallium-208	0.498	0.320	0.070			1464694.750	598706.236
SU1-124-086	03/01/2006	Thorium-228	2.6	1.420	0.090			1464694.750	598706.236
SU1-124-086	03/01/2006	Thorium-230	2.8	1.080	0.050			1464694.750	598706.236
SU1-124-086	03/01/2006	Thorium-232	2.1	1.270	0.040			1464694.750	598706.236
SU1-124-086	03/01/2006	Tritium	75*	4.910	0.520			1464694.750	598706.236
SU1-124-086	03/01/2006	Uranium-234	2	0.730	0.060			1464694.750	598706.236
SU1-124-086	03/01/2006	Uranium-235	3.2	0.035	0.032	J	J	1464694.750	598706.236
SU1-124-086	03/01/2006	Uranium-238	2.2	0.770	0.030			1464694.750	598706.236
SU1-124-087	02/16/2006	Actinium-227	4.6	0.390	0.390	U	U	1464709.750	598706.236
SU1-124-087	02/16/2006	Actinium-228	1.93	1.000	0.240			1464709.750	598706.236
SU1-124-087	02/16/2006	Americium-241	63	0.150	0.150	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Bismuth-207	1.2	0.061	0.061	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Bismuth-210M	8.3	0.078	0.078	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Bismuth-214	1.17	0.610	0.120			1464709.750	598706.236
SU1-124-087	02/16/2006	Cesium-137	3.8	0.072	0.072	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Cobalt-60	0.7	0.075	0.075	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Lead-210	7.4	2.000	2.000	U	U	1464709.750	598706.236
SU1-124-087	02/16/2006	Lead-212	16.6	0.880	0.110			1464709.750	598706.236
SU1-124-087	02/16/2006	Lead-214	8.9	0.740	0.110			1464709.750	598706.236
SU1-124-087	02/16/2006	Plutonium-238	55	13.200	0.040			1464709.750	598706.236
SU1-124-087	02/16/2006	Plutonium-239/240	62	0.108	0.025			1464709.750	598706.236
SU1-124-087	02/16/2006	Potassium-40	47.8	25.800	0.800			1464709.750	598706.236
SU1-124-087	02/16/2006	Protactinium-231	4	1.500	1.500	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Radium-226	2.9	0.610	0.120	J	J	1464709.750	598706.236

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-087	02/16/2006	Radium-228	2.1	1.000	0.240			1464709.750	598706.236
SU1-124-087	02/16/2006	Strontium-90	94.72	0.670	0.670	U	UJ	1464709.750	598706.236
SU1-124-087	02/16/2006	Thallium-208	0.498	0.281	0.069			1464709.750	598706.236
SU1-124-087	02/16/2006	Thorium-228	2.6	1.170	0.050			1464709.750	598706.236
SU1-124-087	02/16/2006	Thorium-230	2.8	0.840	0.020			1464709.750	598706.236
SU1-124-087	02/16/2006	Thorium-232	2.1	0.980	0.040			1464709.750	598706.236
SU1-124-087	02/16/2006	Tritium	75*	36.100	0.400			1464709.750	598706.236
SU1-124-087	**02/16/2006**	**Uranium-234**	**2**	**2.510**	**0.020**			**1464709.750**	**598706.236**
SU1-124-087	02/16/2006	Uranium-235	3.2	0.034	0.013	J	J	1464709.750	598706.236
SU1-124-087	02/16/2006	Uranium-238	2.2	0.690	0.020			1464709.750	598706.236
SU1-124-088	02/16/2006	Actinium-227	4.6	0.320	0.320	U	U	1464724.750	598706.236
SU1-124-088	02/16/2006	Actinium-228	1.93	1.070	0.270			1464724.750	598706.236
SU1-124-088	02/16/2006	Americium-241	63	0.120	0.120	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Bismuth-207	1.2	0.060	0.060	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Bismuth-210M	8.3	0.075	0.075	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Bismuth-212	9.87	1.280	0.980			1464724.750	598706.236
SU1-124-088	02/16/2006	Cesium-137	3.8	0.088	0.088	U	U	1464724.750	598706.236
SU1-124-088	02/16/2006	Cobalt-60	0.7	0.096	0.096	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Lead-210	7.4	1.500	1.500	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Lead-212	16.6	0.850	0.120			1464724.750	598706.236
SU1-124-088	02/16/2006	Lead-214	8.9	0.700	0.100			1464724.750	598706.236
SU1-124-088	02/16/2006	Plutonium-238	55	0.222	0.028			1464724.750	598706.236
SU1-124-088	02/16/2006	Plutonium-239/240	62	0.027	0.027	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Potassium-40	47.8	30.800	0.500			1464724.750	598706.236
SU1-124-088	02/16/2006	Protactinium-231	4	1.300	1.300	U	U	1464724.750	598706.236
SU1-124-088	02/16/2006	Radium-226	2.9	0.740	0.280	J	J	1464724.750	598706.236
SU1-124-088	02/16/2006	Radium-228	2.1	1.070	0.270			1464724.750	598706.236
SU1-124-088	02/16/2006	Strontium-90	94.72	0.950	0.950	U	UJ	1464724.750	598706.236
SU1-124-088	02/16/2006	Thallium-208	0.498	0.310	0.078			1464724.750	598706.236
SU1-124-088	02/16/2006	Thorium-228	2.6	1.030	0.110			1464724.750	598706.236
SU1-124-088	02/16/2006	Thorium-230	2.8	0.710	0.090			1464724.750	598706.236
SU1-124-088	02/16/2006	Thorium-232	2.1	0.980	0.050			1464724.750	598706.236
SU1-124-088	02/16/2006	Thorium-234	176	1.310	0.900			1464724.750	598706.236
SU1-124-088	02/16/2006	Tritium	75*	19.200	0.400			1464724.750	598706.236
SU1-124-088	02/16/2006	Uranium-234	2	0.750	0.020			1464724.750	598706.236
SU1-124-088	02/16/2006	Uranium-235	3.2	0.039	0.022	J	J	1464724.750	598706.236
SU1-124-088	02/16/2006	Uranium-238	2.2	0.740	0.020			1464724.750	598706.236
SU1-124-089	02/16/2006	Actinium-227	4.6	0.400	0.400	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Actinium-228	1.93	0.920	0.270			1464739.750	598706.236
SU1-124-089	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Bismuth-207	1.2	0.066	0.066	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Bismuth-210M	8.3	0.085	0.085	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Cesium-137	3.8	0.090	0.090	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Cobalt-60	0.7	0.086	0.086	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Lead-210	7.4	2.200	2.200	U	U	1464739.750	598706.236
SU1-124-089	02/16/2006	Lead-212	16.6	0.940	0.110			1464739.750	598706.236
SU1-124-089	02/16/2006	Lead-214	8.9	0.630	0.140			1464739.750	598706.236
SU1-124-089	02/16/2006	Plutonium-238	55	1.020	0.030			1464739.750	598706.236
SU1-124-089	02/16/2006	Plutonium-239/240	62	0.033	0.013	J	J	1464739.750	598706.236
SU1-124-089	02/16/2006	Potassium-40	47.8	26.400	0.800			1464739.750	598706.236
SU1-124-089	02/16/2006	Protactinium-231	4	1.500	1.500	U	U	1464739.750	598706.236
SU1-124-089	02/16/2006	Radium-226	2.9	0.640	0.320	J	J	1464739.750	598706.236
SU1-124-089	02/16/2006	Radium-228	2.1	0.920	0.270			1464739.750	598706.236
SU1-124-089	02/16/2006	Strontium-90	94.72	0.740	0.740	U	UJ	1464739.750	598706.236
SU1-124-089	02/16/2006	Thallium-208	0.498	0.317	0.081			1464739.750	598706.236
SU1-124-089	02/16/2006	Thorium-228	2.6	1.120	0.060			1464739.750	598706.236
SU1-124-089	02/16/2006	Thorium-230	2.8	0.930	0.040			1464739.750	598706.236
SU1-124-089	02/16/2006	Thorium-232	2.1	1.170	0.040			1464739.750	598706.236
SU1-124-089	02/16/2006	Tritium	75*	27.900	0.600			1464739.750	598706.236
SU1-124-089	02/16/2006	Uranium-234	2	0.740	0.020			1464739.750	598706.236

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-089	02/16/2006	Uranium-235	3.2	0.039	0.022	J	J	1464739.750	598706.236
SU1-124-089	02/16/2006	Uranium-238	2.2	0.780	0.020			1464739.750	598706.236
SU1-124-090	02/16/2006	Actinium-227	4.6	1.080	0.420	J	J	1464672.250	598719.227
SU1-124-090D	02/16/2006	Actinium-227	4.6	0.250	0.250	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Actinium-228	1.93	0.790	0.250			1464672.250	598719.227
SU1-124-090D	02/16/2006	Actinium-228	1.93	0.710	0.190			1464672.250	598719.227
SU1-124-090	02/16/2006	Americium-241	63	0.120	0.120	U	U	1464672.250	598719.227
SU1-124-090D	02/16/2006	Americium-241	63	0.092	0.092	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Bismuth-207	1.2	0.048	0.048	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Bismuth-207	1.2	0.046	0.046	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Bismuth-210M	8.3	0.064	0.064	U	U	1464672.250	598719.227
SU1-124-090D	02/16/2006	Bismuth-210M	8.3	0.055	0.055	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Bismuth-214	1.17	0.540	0.100			1464672.250	598719.227
SU1-124-090	02/16/2006	Bismuth-214	1.17	0.510	0.110			1464672.250	598719.227
SU1-124-090D	02/16/2006	Cesium-137	3.8	0.062	0.062	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Cesium-137	3.8	0.058	0.058	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Cobalt-60	0.7	0.075	0.075	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Cobalt-60	0.7	0.073	0.073	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Lead-210	7.4	1.500	1.500	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Lead-210	7.4	1.200	1.200	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Lead-212	16.6	0.700	0.070			1464672.250	598719.227
SU1-124-090	02/16/2006	Lead-212	16.6	0.550	0.100			1464672.250	598719.227
SU1-124-090	02/16/2006	Lead-214	8.9	0.590	0.100			1464672.250	598719.227
SU1-124-090D	02/16/2006	Lead-214	8.9	0.540	0.080			1464672.250	598719.227
SU1-124-090D	02/16/2006	Plutonium-238	55	2.360	0.040		J	1464672.250	598719.227
SU1-124-090	02/16/2006	Plutonium-238	55	1.500	0.030		J	1464672.250	598719.227
SU1-124-090D	02/16/2006	Plutonium-239/240	62	0.028	0.028	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Plutonium-239/240	62	0.021	0.021	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Potassium-40	47.8	18.700	0.500			1464672.250	598719.227
SU1-124-090D	02/16/2006	Potassium-40	47.8	17.600	0.400			1464672.250	598719.227
SU1-124-090	02/16/2006	Protactinium-231	4	1.300	1.300	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Protactinium-231	4	1.100	1.100	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Radium-226	2.9	0.540	0.100	J	J	1464672.250	598719.227
SU1-124-090	02/16/2006	Radium-226	2.9	0.510	0.110	J	J	1464672.250	598719.227
SU1-124-090	02/16/2006	Radium-228	2.1	0.790	0.250			1464672.250	598719.227
SU1-124-090D	02/16/2006	Radium-228	2.1	0.710	0.190			1464672.250	598719.227
SU1-124-090D	02/16/2006	Strontium-90	94.72	0.710	0.710	U	UJ	1464672.250	598719.227
SU1-124-090	02/16/2006	Strontium-90	94.72	0.460	0.460	U	UJ	1464672.250	598719.227
SU1-124-090D	02/16/2006	Thallium-208	0.498	0.227	0.052			1464672.250	598719.227
SU1-124-090	02/16/2006	Thallium-208	0.498	0.205	0.055			1464672.250	598719.227
SU1-124-090D	02/16/2006	Thorium-228	2.6	0.880	0.060			1464672.250	598719.227
SU1-124-090	02/16/2006	Thorium-228	2.6	0.760	0.100			1464672.250	598719.227
SU1-124-090D	02/16/2006	Thorium-230	2.8	1.050	0.020		J	1464672.250	598719.227
SU1-124-090	02/16/2006	Thorium-230	2.8	0.660	0.050		J	1464672.250	598719.227
SU1-124-090D	02/16/2006	Thorium-232	2.1	0.750	0.040			1464672.250	598719.227
SU1-124-090	02/16/2006	Thorium-232	2.1	0.630	0.050			1464672.250	598719.227
SU1-124-090	02/16/2006	Tritium	75*	23.200	0.600			1464672.250	598719.227
SU1-124-090D	02/16/2006	Tritium	75*	21.700	0.600			1464672.250	598719.227
SU1-124-090	02/16/2006	Uranium-234	2	0.620	0.020			1464672.250	598719.227
SU1-124-090D	02/16/2006	Uranium-234	2	0.560	0.020			1464672.250	598719.227
SU1-124-090D	02/16/2006	Uranium-235	3.2	0.055	0.014	J	J	1464672.250	598719.227
SU1-124-090	02/16/2006	Uranium-235	3.2	0.050	0.013	J	J	1464672.250	598719.227
SU1-124-090	02/16/2006	Uranium-238	2.2	0.630	0.010			1464672.250	598719.227
SU1-124-090D	02/16/2006	Uranium-238	2.2	0.610	0.010			1464672.250	598719.227
SU1-124-091	02/16/2006	Actinium-227	4.6	0.340	0.340	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Actinium-228	1.93	0.680	0.210			1464687.250	598719.227
SU1-124-091	02/16/2006	Americium-241	63	0.200	0.150	J	J	1464687.250	598719.227
SU1-124-091	02/16/2006	Bismuth-207	1.2	0.054	0.054	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Bismuth-210M	8.3	0.068	0.068	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Bismuth-214	1.17	0.680	0.120			1464687.250	598719.227

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-091	02/16/2006	Cesium-137	3.8	0.080	0.080	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Cobalt-60	0.7	0.067	0.067	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Lead-212	16.6	0.700	0.120			1464687.250	598719.227
SU1-124-091	02/16/2006	Lead-214	8.9	0.590	0.110			1464687.250	598719.227
SU1-124-091	**02/16/2006**	**Plutonium-238**	**55**	**99.000**	**0.040**			**1464687.250**	**598719.227**
SU1-124-091	02/16/2006	Plutonium-239/240	62	0.860	0.010			1464687.250	598719.227
SU1-124-091	02/16/2006	Potassium-40	47.8	18.800	0.700			1464687.250	598719.227
SU1-124-091	02/16/2006	Protactinium-231	4	1.300	1.300	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Radium-226	2.9	0.680	0.120	J	J	1464687.250	598719.227
SU1-124-091	02/16/2006	Radium-228	2.1	0.680	0.210			1464687.250	598719.227
SU1-124-091	02/16/2006	Strontium-90	94.72	0.870	0.870	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Thallium-208	0.498	0.208	0.065			1464687.250	598719.227
SU1-124-091	02/16/2006	Thorium-228	2.6	2.570	0.070			1464687.250	598719.227
SU1-124-091	02/16/2006	Thorium-230	2.8	0.940	0.060			1464687.250	598719.227
SU1-124-091	02/16/2006	Thorium-232	2.1	0.990	0.020			1464687.250	598719.227
SU1-124-091	02/16/2006	Tritium	75*	0.580	0.580	U	UJ	1464687.250	598719.227
SU1-124-091	02/16/2006	Uranium-234	2	0.730	0.020			1464687.250	598719.227
SU1-124-091	02/16/2006	Uranium-235	3.2	0.040	0.013	J	J	1464687.250	598719.227
SU1-124-091	02/16/2006	Uranium-238	2.2	0.620	0.020			1464687.250	598719.227
SU1-124-092	03/01/2006	Actinium-227	4.6	0.350	0.350	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Actinium-228	1.93	0.830	0.290			1464702.250	598719.227
SU1-124-092	03/01/2006	Americium-241	63	0.140	0.140	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Bismuth-207	1.2	0.068	0.068	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Bismuth-210M	8.3	0.080	0.080	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Bismuth-214	1.17	0.660	0.150			1464702.250	598719.227
SU1-124-092	03/01/2006	Cesium-137	3.8	0.075	0.075	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Cobalt-60	0.7	0.070	0.070	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Lead-210	7.4	1.900	1.900	U	U	1464702.250	598719.227
SU1-124-092	03/01/2006	Lead-212	16.6	0.860	0.150			1464702.250	598719.227
SU1-124-092	03/01/2006	Lead-214	8.9	0.550	0.130			1464702.250	598719.227
SU1-124-092	03/01/2006	Plutonium-238	55	0.099	0.064	J	J	1464702.250	598719.227
SU1-124-092	03/01/2006	Plutonium-239/240	62	0.041	0.041	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Potassium-40	47.8	31.000	0.500			1464702.250	598719.227
SU1-124-092	03/01/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Radium-226	2.9	0.660	0.150	J	J	1464702.250	598719.227
SU1-124-092	03/01/2006	Radium-228	2.1	0.830	0.290			1464702.250	598719.227
SU1-124-092	03/01/2006	Strontium-90	94.72	0.700	0.700	U	UJ	1464702.250	598719.227
SU1-124-092	03/01/2006	Thallium-208	0.498	0.341	0.074			1464702.250	598719.227
SU1-124-092	03/01/2006	Thorium-228	2.6	1.290	0.350		J	1464702.250	598719.227
SU1-124-092	03/01/2006	Thorium-230	2.8	1.030	0.280		J	1464702.250	598719.227
SU1-124-092	03/01/2006	Thorium-232	2.1	1.640	0.190		J	1464702.250	598719.227
SU1-124-092	03/01/2006	Tritium	75*	25.500	0.600			1464702.250	598719.227
SU1-124-092	03/01/2006	Uranium-234	2	0.740	0.050			1464702.250	598719.227
SU1-124-092	03/01/2006	Uranium-235	3.2	0.076	0.034	J	J	1464702.250	598719.227
SU1-124-092	03/01/2006	Uranium-238	2.2	0.650	0.050			1464702.250	598719.227
SU1-124-093	02/16/2006	Actinium-227	4.6	1.640	0.540	J	J	1464717.250	598719.227
SU1-124-093	02/16/2006	Americium-241	63	0.160	0.160	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Bismuth-207	1.2	0.060	0.060	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Bismuth-210M	8.3	0.080	0.080	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Cesium-137	3.8	0.077	0.077	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Cobalt-60	0.7	0.087	0.087	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Plutonium-238	55	2.440	0.040			1464717.250	598719.227
SU1-124-093	02/16/2006	Plutonium-239/240	62	0.054	0.019	J	J	1464717.250	598719.227
SU1-124-093	02/16/2006	Potassium-40	47.8	29.400	0.600			1464717.250	598719.227
SU1-124-093	02/16/2006	Protactinium-231	4	1.500	1.500	U	UJ	1464717.250	598719.227
SU1-124-093	02/16/2006	Radium-226	2.9	0.540	0.240	J	J	1464717.250	598719.227
SU1-124-093	02/16/2006	Radium-228	2.1	1.020	0.270			1464717.250	598719.227
SU1-124-093	02/16/2006	Strontium-90	94.72	1.300	1.100	J	J	1464717.250	598719.227

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-093	02/16/2006	Thorium-228	2.6	0.970	0.070			1464717.250	598719.227
SU1-124-093	02/16/2006	Thorium-230	2.8	0.740	0.030			1464717.250	598719.227
SU1-124-093	02/16/2006	Thorium-232	2.1	1.010	0.030			1464717.250	598719.227
SU1-124-093	02/16/2006	Tritium	75*	10.500	0.600		J	1464717.250	598719.227
SU1-124-093	02/16/2006	Uranium-234	2	0.690	0.020			1464717.250	598719.227
SU1-124-093	02/16/2006	Uranium-235	3.2	0.027	0.021	J	J	1464717.250	598719.227
SU1-124-093	02/16/2006	Uranium-238	2.2	0.710	0.020			1464717.250	598719.227
SU1-124-094	02/16/2006	Actinium-227	4.6	0.360	0.360	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Actinium-228	1.93	1.100	0.240			1464732.250	598719.227
SU1-124-094	02/16/2006	Americium-241	63	0.140	0.140	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Bismuth-207	1.2	0.071	0.071	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Bismuth-210M	8.3	0.085	0.085	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Bismuth-214	1.17	0.720	0.150			1464732.250	598719.227
SU1-124-094	02/16/2006	Cesium-137	3.8	0.110	0.110	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Cobalt-60	0.7	0.110	0.110	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Lead-210	7.4	1.800	1.800	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Lead-212	16.6	1.180	0.090			1464732.250	598719.227
SU1-124-094	02/16/2006	Lead-214	8.9	0.770	0.120			1464732.250	598719.227
SU1-124-094	02/16/2006	Plutonium-238	55	0.355	0.033			1464732.250	598719.227
SU1-124-094	02/16/2006	Plutonium-239/240	62	0.021	0.021	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Potassium-40	47.8	36.000	0.800			1464732.250	598719.227
SU1-124-094	02/16/2006	Protactinium-231	4	1.600	1.600	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Radium-226	2.9	0.720	0.150	J	J	1464732.250	598719.227
SU1-124-094	02/16/2006	Radium-228	2.1	1.100	0.240			1464732.250	598719.227
SU1-124-094	02/16/2006	Strontium-90	94.72	0.750	0.750	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Thallium-208	0.498	0.382	0.076			1464732.250	598719.227
SU1-124-094	02/16/2006	Thorium-228	2.6	1.080	0.060			1464732.250	598719.227
SU1-124-094	02/16/2006	Thorium-230	2.8	0.840	0.030			1464732.250	598719.227
SU1-124-094	02/16/2006	Thorium-232	2.1	1.070	0.020			1464732.250	598719.227
SU1-124-094	02/16/2006	Tritium	75*	21.500	0.700			1464732.250	598719.227
SU1-124-094	02/16/2006	Uranium-234	2	0.890	0.020			1464732.250	598719.227
SU1-124-094	02/16/2006	Uranium-235	3.2	0.024	0.024	U	UJ	1464732.250	598719.227
SU1-124-094	02/16/2006	Uranium-238	2.2	0.870	0.020			1464732.250	598719.227
SU1-124-095	02/16/2006	Actinium-227	4.6	0.300	0.300	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Actinium-228	1.93	0.830	0.250			1464694.750	598732.217
SU1-124-095	02/16/2006	Americium-241	63	0.130	0.130	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Bismuth-207	1.2	0.061	0.061	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Bismuth-210M	8.3	0.077	0.077	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Bismuth-214	1.17	0.520	0.110			1464694.750	598732.217
SU1-124-095	02/16/2006	Cesium-137	3.8	0.067	0.067	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Cobalt-60	0.7	0.093	0.093	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Lead-210	7.4	1.700	1.700	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Lead-212	16.6	0.820	0.080			1464694.750	598732.217
SU1-124-095	02/16/2006	Lead-214	8.9	0.460	0.110			1464694.750	598732.217
SU1-124-095	02/16/2006	Plutonium-238	55	0.070	0.049	J	J	1464694.750	598732.217
SU1-124-095	02/16/2006	Plutonium-239/240	62	0.041	0.041	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Potassium-40	47.8	24.600	0.400			1464694.750	598732.217
SU1-124-095	02/16/2006	Protactinium-231	4	1.300	1.300	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Radium-226	2.9	0.520	0.110	J	J	1464694.750	598732.217
SU1-124-095	02/16/2006	Radium-228	2.1	0.830	0.250			1464694.750	598732.217
SU1-124-095	02/16/2006	Strontium-90	94.72	0.590	0.590	U	UJ	1464694.750	598732.217
SU1-124-095	02/16/2006	Thallium-208	0.498	0.280	0.063			1464694.750	598732.217
SU1-124-095	02/16/2006	Thorium-228	2.6	0.980	0.070			1464694.750	598732.217
SU1-124-095	02/16/2006	Thorium-230	2.8	0.660	0.060			1464694.750	598732.217
SU1-124-095	02/16/2006	Thorium-232	2.1	0.970	0.040			1464694.750	598732.217
SU1-124-095	02/16/2006	Tritium	75*	65.900	0.600			1464694.750	598732.217
SU1-124-095	02/16/2006	Uranium-234	2	0.496	0.026			1464694.750	598732.217
SU1-124-095	02/16/2006	Uranium-235	3.2	0.053	0.022	J	J	1464694.750	598732.217
SU1-124-095	02/16/2006	Uranium-238	2.2	0.670	0.010			1464694.750	598732.217
SU1-124-096	02/16/2006	Actinium-227	4.6	0.890	0.420	J	J	1464709.750	598732.217

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-096	02/16/2006	Actinium-228	1.93	0.600	0.250			1464709.750	598732.217
SU1-124-096	02/16/2006	Americium-241	63	0.130	0.130	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Bismuth-207	1.2	0.049	0.049	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Bismuth-210M	8.3	0.068	0.068	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Cesium-137	3.8	0.084	0.082	J	J	1464709.750	598732.217
SU1-124-096	02/16/2006	Cobalt-60	0.7	0.081	0.081	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Lead-210	7.4	1.600	1.600	U	U	1464709.750	598732.217
SU1-124-096	02/16/2006	Lead-212	16.6	0.567	0.083			1464709.750	598732.217
SU1-124-096	02/16/2006	Lead-214	8.9	0.520	0.110			1464709.750	598732.217
SU1-124-096	02/16/2006	Plutonium-238	55	8.040	0.040			1464709.750	598732.217
SU1-124-096	02/16/2006	Plutonium-239/240	62	0.067	0.025	J	J	1464709.750	598732.217
SU1-124-096	02/16/2006	Potassium-40	47.8	16.500	0.700			1464709.750	598732.217
SU1-124-096	02/16/2006	Protactinium-231	4	1.300	1.300	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Radium-226	2.9	0.630	0.240	J	J	1464709.750	598732.217
SU1-124-096	02/16/2006	Radium-228	2.1	0.600	0.250			1464709.750	598732.217
SU1-124-096	02/16/2006	Strontium-90	94.72	0.770	0.770	U	UJ	1464709.750	598732.217
SU1-124-096	02/16/2006	Thallium-208	0.498	0.189	0.055			1464709.750	598732.217
SU1-124-096	02/16/2006	Thorium-228	2.6	0.800	0.060			1464709.750	598732.217
SU1-124-096	02/16/2006	Thorium-230	2.8	0.660	0.040			1464709.750	598732.217
SU1-124-096	02/16/2006	Thorium-232	2.1	0.690	0.030			1464709.750	598732.217
SU1-124-096	02/16/2006	Tritium	75*	0.620	0.600	J	J	1464709.750	598732.217
SU1-124-096	02/16/2006	Uranium-234	2	0.650	0.030			1464709.750	598732.217
SU1-124-096	02/16/2006	Uranium-235	3.2	0.039	0.015	J	J	1464709.750	598732.217
SU1-124-096	02/16/2006	Uranium-238	2.2	0.620	0.010			1464709.750	598732.217
SU1-124-097	02/16/2006	Actinium-227	4.6	0.240	0.240	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Actinium-228	1.93	0.590	0.200			1464724.750	598732.217
SU1-124-097	02/16/2006	Americium-241	63	0.093	0.093	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Bismuth-207	1.2	0.041	0.041	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Bismuth-210M	8.3	0.057	0.057	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Bismuth-214	1.17	0.560	0.100			1464724.750	598732.217
SU1-124-097	02/16/2006	Cesium-137	3.8	0.079	0.079	U	U	1464724.750	598732.217
SU1-124-097	02/16/2006	Cobalt-60	0.7	0.073	0.073	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Lead-210	7.4	1.200	1.200	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Lead-212	16.6	0.630	0.060			1464724.750	598732.217
SU1-124-097	02/16/2006	Lead-214	8.9	0.550	0.080			1464724.750	598732.217
SU1-124-097	02/16/2006	Plutonium-238	55	0.520	0.050			1464724.750	598732.217
SU1-124-097	02/16/2006	Plutonium-239/240	62	0.039	0.039	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Potassium-40	47.8	18.200	0.400			1464724.750	598732.217
SU1-124-097	02/16/2006	Protactinium-231	4	1.000	1.000	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Radium-226	2.9	0.560	0.100	J	J	1464724.750	598732.217
SU1-124-097	02/16/2006	Radium-228	2.1	0.590	0.200			1464724.750	598732.217
SU1-124-097	02/16/2006	Strontium-90	94.72	0.570	0.570	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Thallium-208	0.498	0.219	0.051			1464724.750	598732.217
SU1-124-097	02/16/2006	Thorium-228	2.6	0.740	0.040			1464724.750	598732.217
SU1-124-097	02/16/2006	Thorium-230	2.8	0.850	0.030			1464724.750	598732.217
SU1-124-097	02/16/2006	Thorium-232	2.1	0.730	0.020			1464724.750	598732.217
SU1-124-097	02/16/2006	Tritium	75*	0.600	0.600	U	UJ	1464724.750	598732.217
SU1-124-097	02/16/2006	Uranium-234	2	0.540	0.020			1464724.750	598732.217
SU1-124-097	02/16/2006	Uranium-235	3.2	0.031	0.014	J	J	1464724.750	598732.217
SU1-124-097	02/16/2006	Uranium-238	2.2	0.620	0.020			1464724.750	598732.217
SU1-124-098	02/16/2006	Actinium-227	4.6	0.280	0.280	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Actinium-228	1.93	0.620	0.240			1464739.750	598732.217
SU1-124-098	02/16/2006	Americium-241	63	0.120	0.120	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Bismuth-207	1.2	0.050	0.050	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Bismuth-210M	8.3	0.064	0.064	U	U	1464739.750	598732.217
SU1-124-098	02/16/2006	Bismuth-214	1.17	0.440	0.110			1464739.750	598732.217
SU1-124-098	02/16/2006	Cesium-137	3.8	0.064	0.064	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Cobalt-60	0.7	0.066	0.066	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Lead-210	7.4	1.400	1.400	U	U	1464739.750	598732.217
SU1-124-098	02/16/2006	Lead-212	16.6	0.590	0.080			1464739.750	598732.217

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-098	02/16/2006	Lead-214	8.9	0.510	0.100			1464739.750	598732.217
SU1-124-098	02/16/2006	Plutonium-238	55	0.620	0.030			1464739.750	598732.217
SU1-124-098	02/16/2006	Plutonium-239/240	62	0.021	0.021	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Potassium-40	47.8	16.000	0.600			1464739.750	598732.217
SU1-124-098	02/16/2006	Protactinium-231	4	1.200	1.200	U	U	1464739.750	598732.217
SU1-124-098	02/16/2006	Radium-226	2.9	0.440	0.110	J	J	1464739.750	598732.217
SU1-124-098	02/16/2006	Radium-228	2.1	0.620	0.240			1464739.750	598732.217
SU1-124-098	02/16/2006	Strontium-90	94.72	0.640	0.640	U	UJ	1464739.750	598732.217
SU1-124-098	02/16/2006	Thallium-208	0.498	0.207	0.068			1464739.750	598732.217
SU1-124-098	02/16/2006	Thorium-228	2.6	0.650	0.100			1464739.750	598732.217
SU1-124-098	02/16/2006	Thorium-230	2.8	0.650	0.080		J	1464739.750	598732.217
SU1-124-098	02/16/2006	Thorium-232	2.1	0.700	0.090			1464739.750	598732.217
SU1-124-098	02/16/2006	Thorium-232	2.1	0.620	0.240			1464739.750	598732.217
SU1-124-098	02/16/2006	Tritium	75*	8.400	0.600			1464739.750	598732.217
SU1-124-098	02/16/2006	Uranium-234	2	1.150	0.030			1464739.750	598732.217
SU1-124-098	02/16/2006	Uranium-235	3.2	0.038	0.029	J	J	1464739.750	598732.217
SU1-124-098	02/16/2006	Uranium-238	2.2	0.800	0.020			1464739.750	598732.217
SU1-124-099	02/16/2006	Actinium-227	4.6	0.930	0.410	J	J	1464687.250	598745.207
SU1-124-099	02/16/2006	Actinium-228	1.93	0.390	0.230			1464687.250	598745.207
SU1-124-099	02/16/2006	Americium-241	63	0.130	0.130	U	U	1464687.250	598745.207
SU1-124-099	02/16/2006	Bismuth-207	1.2	0.044	0.044	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Bismuth-210M	8.3	0.069	0.069	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Bismuth-214	1.17	0.570	0.110			1464687.250	598745.207
SU1-124-099	02/16/2006	Cesium-137	3.8	0.254	0.065	J	J	1464687.250	598745.207
SU1-124-099	02/16/2006	Cobalt-60	0.7	0.065	0.065	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Lead-210	7.4	1.500	1.500	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Lead-212	16.6	0.597	0.077			1464687.250	598745.207
SU1-124-099	02/16/2006	Lead-214	8.9	0.500	0.110			1464687.250	598745.207
SU1-124-099	02/16/2006	Plutonium-238	55	0.920	0.030			1464687.250	598745.207
SU1-124-099	02/16/2006	Plutonium-239/240	62	0.041	0.023	J	J	1464687.250	598745.207
SU1-124-099	02/16/2006	Potassium-40	47.8	14.700	0.500			1464687.250	598745.207
SU1-124-099	02/16/2006	Protactinium-231	4	1.200	1.200	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Radium-226	2.9	0.570	0.110	J	J	1464687.250	598745.207
SU1-124-099	02/16/2006	Radium-228	2.1	0.390	0.230			1464687.250	598745.207
SU1-124-099	02/16/2006	Strontium-90	94.72	0.740	0.740	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Thallium-208	0.498	0.240	0.063			1464687.250	598745.207
SU1-124-099	02/16/2006	Thorium-228	2.6	0.740	0.070			1464687.250	598745.207
SU1-124-099	02/16/2006	Thorium-230	2.8	1.050	0.030		J	1464687.250	598745.207
SU1-124-099	02/16/2006	Thorium-232	2.1	0.870	0.040			1464687.250	598745.207
SU1-124-099	02/16/2006	Thorium-232	2.1	0.390	0.230			1464687.250	598745.207
SU1-124-099	02/16/2006	Tritium	75*	0.640	0.640	U	U	1464687.250	598745.207
SU1-124-099	02/16/2006	Uranium-234	2	0.640	0.030			1464687.250	598745.207
SU1-124-099	02/16/2006	Uranium-235	3.2	0.024	0.024	U	UJ	1464687.250	598745.207
SU1-124-099	02/16/2006	Uranium-238	2.2	0.710	0.020			1464687.250	598745.207
SU1-124-100	11/14/2005	Actinium-227	4.6	0.510	0.510	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Americium-241	63	0.190	0.190	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Bismuth-207	1.2	0.094	0.094	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Bismuth-210M	8.3	0.095	0.095	U	U	1464702.250	598745.207
SU1-124-100	11/14/2005	Cesium-137	3.8	0.100	0.100	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Cobalt-60	0.7	0.130	0.130	U	U	1464702.250	598745.207
SU1-124-100	11/14/2005	Lead-210	7.4	2.000	2.000	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Lead-212	16.6	0.570	0.200			1464702.250	598745.207
SU1-124-100	11/14/2005	Lead-214	8.9	0.670	0.160			1464702.250	598745.207
SU1-124-100	11/14/2005	Plutonium-238	55	13.500	0.090			1464702.250	598745.207
SU1-124-100	11/14/2005	Plutonium-239/240	62	0.070	0.062	J	J	1464702.250	598745.207
SU1-124-100	11/14/2005	Potassium-40	47.8	17.500	1.200			1464702.250	598745.207
SU1-124-100	11/14/2005	Protactinium-231	4	2.700	2.700	U	UJ	1464702.250	598745.207
SU1-124-100	11/14/2005	Radium-226	2.9	0.600	0.430		J	1464702.250	598745.207
SU1-124-100	11/14/2005	Radium-228	2.1	0.890	0.740			1464702.250	598745.207
SU1-124-100	11/14/2005	Strontium-90	94.72	0.400	0.400	U	U	1464702.250	598745.207

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-100	11/14/2005	Thallium-208	0.498	0.223	0.100		J	1464702.250	598745.207
SU1-124-100	11/14/2005	Thorium-228	2.6	0.790	0.120			1464702.250	598745.207
SU1-124-100	11/14/2005	Thorium-230	2.8	1.010	0.040			1464702.250	598745.207
SU1-124-100	11/14/2005	Thorium-232	2.1	0.850	0.070			1464702.250	598745.207
SU1-124-100	11/14/2005	Tritium	75*	0.570	0.560	J	J	1464702.250	598745.207
SU1-124-100	11/14/2005	Uranium-234	2	0.680	0.030			1464702.250	598745.207
SU1-124-100	11/14/2005	Uranium-235	3.2	0.058	0.051	J	J	1464702.250	598745.207
SU1-124-100	11/14/2005	Uranium-238	2.2	0.700	0.040			1464702.250	598745.207
SU1-124-101	11/14/2005	Actinium-227	4.6	0.390	0.390	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Actinium-228	1.93	0.830	0.170			1464717.250	598745.207
SU1-124-101	11/14/2005	Americium-241	63	0.180	0.180	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Bismuth-207	1.2	0.064	0.064	U	U	1464717.250	598745.207
SU1-124-101	11/14/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Cobalt-60	0.7	0.120	0.120	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Lead-210	7.4	2.100	2.100	U	U	1464717.250	598745.207
SU1-124-101	11/14/2005	Lead-212	16.6	0.640	0.150			1464717.250	598745.207
SU1-124-101	11/14/2005	Lead-214	8.9	0.520	0.160			1464717.250	598745.207
SU1-124-101	11/14/2005	Plutonium-238	55	0.980	0.090			1464717.250	598745.207
SU1-124-101	11/14/2005	Plutonium-239/240	62	0.030	0.030	U	U	1464717.250	598745.207
SU1-124-101	11/14/2005	Potassium-40	47.8	20.800	1.400			1464717.250	598745.207
SU1-124-101	11/14/2005	Protactinium-231	4	2.600	2.600	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Radium-226	2.9	0.540	0.380		J	1464717.250	598745.207
SU1-124-101	11/14/2005	Radium-228	2.1	0.830	0.170			1464717.250	598745.207
SU1-124-101	11/14/2005	Strontium-90	94.72	0.520	0.520	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Thallium-208	0.498	0.178	0.097		J	1464717.250	598745.207
SU1-124-101	11/14/2005	Thorium-228	2.6	0.800	0.110			1464717.250	598745.207
SU1-124-101	11/14/2005	Thorium-230	2.8	0.820	0.070			1464717.250	598745.207
SU1-124-101	11/14/2005	Thorium-232	2.1	0.830	0.170			1464717.250	598745.207
SU1-124-101	11/14/2005	Thorium-232	2.1	0.710	0.070			1464717.250	598745.207
SU1-124-101	11/14/2005	Tritium	75*	0.550	0.550	U	U	1464717.250	598745.207
SU1-124-101	11/14/2005	Uranium-234	2	0.700	0.030			1464717.250	598745.207
SU1-124-101	11/14/2005	Uranium-235	3.2	0.031	0.031	U	UJ	1464717.250	598745.207
SU1-124-101	11/14/2005	Uranium-238	2.2	0.610	0.030			1464717.250	598745.207
SU1-124-102	11/14/2005	Actinium-227	4.6	0.580	0.580	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Americium-241	63	0.250	0.250	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Bismuth-207	1.2	0.098	0.098	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Bismuth-210M	8.3	0.110	0.110	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Cesium-137	3.8	0.140	0.140	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Cobalt-60	0.7	0.150	0.150	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Lead-210	7.4	3.000	3.000	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Lead-212	16.6	0.750	0.200			1464732.250	598745.207
SU1-124-102	11/14/2005	Lead-214	8.9	0.860	0.170			1464732.250	598745.207
SU1-124-102	11/14/2005	Plutonium-238	55	1.170	0.070			1464732.250	598745.207
SU1-124-102	11/14/2005	Plutonium-239/240	62	0.057	0.057	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Potassium-40	47.8	21.200	1.000			1464732.250	598745.207
SU1-124-102	11/14/2005	Protactinium-231	4	3.400	3.400	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Radium-226	2.9	1.130	0.590		J	1464732.250	598745.207
SU1-124-102	11/14/2005	Radium-228	2.1	0.850	0.850	U	U	1464732.250	598745.207
SU1-124-102	11/14/2005	Strontium-90	94.72	0.570	0.480	J	J	1464732.250	598745.207
SU1-124-102	11/14/2005	Thallium-208	0.498	0.270	0.120		J	1464732.250	598745.207
SU1-124-102	11/14/2005	Thorium-228	2.6	0.750	0.070			1464732.250	598745.207
SU1-124-102	11/14/2005	Thorium-230	2.8	0.830	0.080			1464732.250	598745.207
SU1-124-102	11/14/2005	Thorium-232	2.1	0.920	0.050			1464732.250	598745.207
SU1-124-102	11/14/2005	Tritium	75*	0.550	0.550	U	U	1464732.250	598745.207
SU1-124-102	11/14/2005	Uranium-234	2	0.550	0.060			1464732.250	598745.207
SU1-124-102	11/14/2005	Uranium-235	3.2	0.031	0.031	U	UJ	1464732.250	598745.207
SU1-124-102	11/14/2005	Uranium-238	2.2	0.910	0.040			1464732.250	598745.207
SU1-124-103	02/16/2006	Actinium-227	4.6	0.240	0.240	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Actinium-228	1.93	0.360	0.140			1464747.250	598745.207

Table 1: Offsite Verification Results [pCi/g]

(bold values are > CO)

Location	Date	Analyte	CO	Result	DL	LQ	DQ	X Coord	Y Coord
SU1-124-103	02/16/2006	Americium-241	63	0.092	0.092	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Bismuth-207	1.2	0.033	0.033	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Bismuth-210M	8.3	0.042	0.042	U	U	1464747.250	598745.207
SU1-124-103	02/16/2006	Cesium-137	3.8	0.048	0.048	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Cobalt-60	0.7	0.059	0.059	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Lead-210	7.4	1.200	1.200	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Lead-212	16.6	0.259	0.071			1464747.250	598745.207
SU1-124-103	02/16/2006	Lead-214	8.9	0.410	0.070			1464747.250	598745.207
SU1-124-103	02/16/2006	Plutonium-238	55	2.270	0.020			1464747.250	598745.207
SU1-124-103	02/16/2006	Plutonium-239/240	62	0.033	0.024	J	J	1464747.250	598745.207
SU1-124-103	02/16/2006	Potassium-40	47.8	6.800	0.400			1464747.250	598745.207
SU1-124-103	02/16/2006	Protactinium-231	4	0.970	0.970	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Radium-226	2.9	0.500	0.200	J	J	1464747.250	598745.207
SU1-124-103	02/16/2006	Radium-228	2.1	0.360	0.140			1464747.250	598745.207
SU1-124-103	02/16/2006	Strontium-90	94.72	0.560	0.560	U	UJ	1464747.250	598745.207
SU1-124-103	02/16/2006	Thallium-208	0.498	0.048	0.046			1464747.250	598745.207
SU1-124-103	02/16/2006	Thorium-228	2.6	0.390	0.120			1464747.250	598745.207
SU1-124-103	02/16/2006	Thorium-230	2.8	0.910	0.070		J	1464747.250	598745.207
SU1-124-103	02/16/2006	Thorium-232	2.1	0.370	0.070			1464747.250	598745.207
SU1-124-103	02/16/2006	Thorium-232	2.1	0.360	0.140			1464747.250	598745.207
SU1-124-103	02/16/2006	Tritium	75*	6.170	0.600			1464747.250	598745.207
SU1-124-103	02/16/2006	Uranium-234	2	1.460	0.020			1464747.250	598745.207
SU1-124-103	02/16/2006	Uranium-235	3.2	0.049	0.015	J	J	1464747.250	598745.207
SU1-124-103	02/16/2006	Uranium-238	2.2	0.670	0.030			1464747.250	598745.207

CO: cleanup objective
DL: detection limit
DQ: data qualifier
LQ: lab qualifiier
U: not detected
J: estimated
D: duplicate
* screening level

APPENDIX C

POST-EX SUD EXCERPT

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Survey Unit Design (SUD)

Project: PRSs 124, 427, 428, 439 and a portion of 438 and 440.

Review & Approval

Project Engineer: R. C. Ransbottom R.C. Ransbottom

Reviewer: James Fontaine

Reviewer:

Document	Title
Action Memo	*UGL Action Memorandum, Final, September 2003*
RP	*UGLs Removal Plan, Final, April 2004*
WP	*Soil Removal, ELT-MND-105-00, April 2004*
WP	*Underground Lines Removal, ELT-MND-106-00, April 2004*
VSAP	*Standard Verification Sampling & Analysis Plan, Final, August 2004*

☐ **Pre-Excavation** or ☒ **Post-Excavation?** **Date:** 02-22-06

Summary of Changes (for Post-Excavation SUDs ONLY) (see following pages for details)	YES	NO	COMMENT
1. Did the COC(s) change?		X	
2. Did the grid size or N change?	X		See Item 6a
3. Did the classification change?		X	
4. Were bias/judgmental samples collected?		X	
5. Other significant change?	X		Added SU2

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SUD Worksheet

Acronyms

AM	Action Memo
BGS	Below Ground Surface
COs	Cleanup Objectives
COCs	Contaminants of Concern
ELT	Earthline Technologies (Subcontractor for the UGL project)
FIDLER	Field Instrument for Detection of Low Energy Radiation
FT	Feet
FT/M	Feet per Minute
FSS	Final Status Survey
H	H Building (Environmental Labs)
HW	Hot Waste
M^2	Square Meters
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
mCi	milli (10^{-3}) curies
MDC	Minimum Detectable Concentration
mL	Milliliter
MND	Mound
N	Number of samples
nCi/g	nano (10^{-9}) curies per gram
pCi/g	pico (10^{-12})curies per gram
QA/QC	Quality Assurance/Quality Control
PRS	Potential Release Site
R	R Building (Research)
RASS	Remedial Action Support Survey
RBGV	Risk-Based Guideline Value
s	Standard Deviation
SQ FT	Square Feet
SU	Survey Unit
SUD	Survey Unit Design
SW	SW Building (Special Works)
UGL	Underground Lines
VCP	Vitreous Clay Pipe
VSAP	Verification Sampling and Analysis Plan
WD	WD Building (Waste Disposal)
WDA	WDA Building (Waste Disposal Annex)
WP	Work Package

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Item 1	Summary of historic **information** relevant to SU:

The Work Plan associated with this SUD addressed removal of the underground lines associated with PRSs 427, 428, 439, 440, and a portion of 438, as well as identified contamination areas (PRS 124 and other historic results) with contaminants of concern (COCs) **above the cleanup objectives (COs)**. The areas are described individually below and shown on Figure 1 for information purposes but jointly (one survey unit) in Item 5 as a conservative measure.

PRS 124 resulted from a November 1967 spill during modifications to the waste transfer system on the hillside west of the former Building 48 near manhole HW-6. A temporary plug inserted in manhole HW-12 failed, releasing about 2,000 gallons of low level wastewater containing an estimated 7.64 mCi of activity (primarily Pu238). The spill contaminated the hillside above the WD Facility. Samples obtained during a 1968 construction effort near HW-6 indicated soil contamination to 32nCi/g.

PRSs 427 and 428 address the continuation of the concrete-encased eight-inch vitrified clay pipe that began at H Building and ran to WD Building carrying radioactively contaminated wastes from H Building (environmental laboratories, laundry, and change room) operations. PRS 427 runs from manhole HW-16 approximately 60' to manhole HW-6 at an average depth of approximately seven feet. PRS 428 runs from manhole HW-6 approximately 125' to manhole HW-4, 90' to manhole HW-2, and then another 40' to WD Building. Average depth of this PRS is approximately seven feet.

PRS 439 and a portion of **PRS 438** are physically connected and have the same COCs. PRS 438 was originally part of the eight inch VCP trunk line from H Building. After SW was constructed and a new VCP trunk was built around SW, this line was isolated from H Building wastes and only conveyed R/SW Complex wastes. From manhole HW-12, this eight-inch VCP line proceeds approximately 75' southwest to manhole HW-6. (Manhole HW-12 is not part of this remediation, but will be removed and verified after the R/SW slab demolition activities.) This line ranges in depth from approximately 16 feet at manhole HW-12 to approximately five feet at manhole MW-6. PRS 439 is a two-inch plastic (saran) lined steel pipe, which connects to the eight inch R/SW VCP waste line (PRS438) approximately ten feet northeast of manhole HW-6. This line runs approximately 230 feet down the hillside to WD Building at a depth of approximately five feet. This line, originally built in the mid-1960s, was abandoned in the 1970s and replaced with a double-walled polyethylene line.

PRS 440 addresses the approximately 350' underground 1.5" steel saran lined pipe that ran from the south wall of SW Building southwesterly to WD building. This line was constructed in approximately 1967 to convey wastes from SW to WDA. The line was buried at depths averaging five feet. The line was constructed of flanged carbon steel piping lined with plastic (saran), with flanged joints held together by carbon steel bolts. The line was abandoned in the mid-1970s and replaced with an aboveground double-walled polyethylene line.

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Item 2 Summary of historic **data** relevant to SU:

PRS 124: Authorizing Document: UGL Action Memo, Final, September 2003. Contaminants include Pu238, Th230, Th232, and U238. The depth of contamination varies from the surface to a maximum depth of about five feet bgs.

PRS 427 and 428: Authorizing Document: UGL AM, Final, October 2003. Contaminants include Actinium227, Americium241, Cesium137, Cobalt60, Ra226, Pu238, Th230, and Th232. The depth of contamination varies from the surface to a depth of about six feet bgs.

PRS 438 - 439: Authorizing Document: UGL Action Memo, Final, September 2003. Contaminants include Pu238, Th232, and Tritium. The depth of contamination varies from about four feet to about eight feet bgs.

PRS 440: Authorizing Document: UGL Action Memo, Final, September 2003. Contaminants include Actinium227, Americium241, Bismuth207, Cesium137, Lead210, Protactinium231, Ra226, Sr90, Pu238, Pu239/240, Th228, Th230, Th232, Tritium, U233, U234, and U238. This line is buried at a depth averaging five feet bgs.

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Item 3a

COC	BASIS	(pCi/g) CO	(pCi/g) HS	Offsite Analysis & Compendium Method: tritium (A-014)	Sr-90 (A-016)	Iso Pu (A-012)	Iso Th (A-012)	Iso U (A-012)	gamma (A-015)
Ac227	*UGL AM: PRSs 427, 428, and 440*	4.64	13.61						X
Am241	*UGL AM: PRSs 427, 428, and 440*	63.1	189						X
Bi207	*UGL AM: PRS 440*	1.24	3.6						X
Cs137	*UGL AM: PRSs 427, 428, and 440*	3.84	10.62						X
Co60	*UGL AM: PRS 427 and 428*	0.7	2.1						X
Pb210	*UGL AM: PRS 440*	7.45	19.8						X
Pa231	*UGL AM: PRS 440*	4.0	11.81						X
Ra226	*UGL AM: PRSs427, 428, and 440*	2.93	4.7						X
Sr90	*UGL AM: PRS 440*	94.72	282.72		X				
Pu238	*UGL AM: PRSs 124, 427, 428, 438-440*	55	165.13			X			
Pu239 /240	*UGL AM: PRS 440*	62	181			X			
Th228	*UGL AM PRS 440*	2.6	4.8				X		
Th230	*UGL AM: PRSs 124, 427, 428, and 440*	2.8	4.6				X		
Th232	*UGL AM: PRSs 124, 427, 428, 438 - 440*	2.1	3.5				X		
Tritium	*UGL AM: 438 – 440*	7580	2.27E5	See note					
U233	*UGL AM PRS 440*	4.8	NA					X	
U234	*UGL AM PRS 440*	2.0	NA					X	
U238	*UGL AM PRSs 124 and 440*	2.2	4.2					X	

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Analyses are to be performed per Mound Methods Compendium and COs (for surface samples/analysis i.e., bedrock, asphalt, concrete) as applicable. Compendium Method A-012 is Isotopic Uranium, Isotopic Plutonium, and Isotopic Thorium by Alpha Spectrometry and Compendium Method A-015 is Gamma Spectrometry. Surface samples/analysis are to be in accordance with MD-80036 Ops 10001, 10002, 30005, 30007, and 30040. Hard surfaces will be swiped and gross alpha and beta measurements will be performed and compared to the most restrictive COC in Mound 2000 Work Plan Appendix A Table 1 (NUREG 1.86 Regulatory Guide). If the location fails to meet the most restrictive criteria then it will be sent to alpha spec for determination of the COC so the applicable, instead of the most restrictive, criteria can be applied.

NOTE: Tritium to be analyzed by Compendium Method A-014. The 10^{-6} RBGV is 7580 pCi/g. This value represents the cleanup objective for tritium in soil. A conservative model was developed to account for the potential for tritium in soil to "leach" to groundwater at unacceptable levels. The model used is described in draft information shared with Ohio EPA, i.e., Draft Soil Screening Level for Tritium Migration to Groundwater at the Mound Facility; facsimile dated 3 December 2002 (Darnell to Nickel). The resulting value of 75 pCi/g is comparable to a screening level that represents the activity of tritium in soil that, if transported via groundwater to the Buried Valley Aquifer (BVA), could pose unacceptable risk (exceed the MCL). If the 95% upper confidence limit (UCL) of the measurements of tritium in soil is less than the screening level of 75 pCi/g, removal is not required. If the 95% UCL is greater than 75 pCi/g, further evaluation is needed.

Changes if any, from Pre-ex SUD:

Item 3b

Chem. basis for std dev, AM COCs/New COCs NA

Item 4

Classify Areas & provide justification:

SU1 is Class 1 based on required soil removal >COs.

Selection	Class	Scan Coverage guidelines
X	1	100%
	2	10-90%
	3	Judgmental

Changes if any, from Pre-ex SUD: SU2 was added. It is Class 1 based on required soil removal >COs. See Figure 1.

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Item 5	Subdivide areas into SUs See Attachment A for Historical Sample Data < CO. The data set is historical data without results that exceed COs in order to mimic the "as-left" condition. See Attachment B for MARSSIMS SU Spreadsheet	This SUD consists of 1 SU (see Figure 2) that includes all PRSs and historic data references in Item 1 of this SUD. Due to the complex and often overlapping nature of this work area, the COCs for this SU are based on the sum of all that are identified in the COC table in Item 3a. Samples shown located on 15' triangular grid (for areas) and 15' linear along the base of trenches. "Areas" refer to the non-trench remediations included in this SUD, PRS 124 and a small area at the end of PRS 440 where several historical samples are above COs. (See Figure 1 for location of PRS 124 and historic sample locations.)
	Changes If any, from Pre-ex SUD: Added an SU to the SUD. This encompasses the area between the original PRS 124 area and PRS 159, but excludes the ledge where the WD influent tanks sat, which will be included in the PRS 159 SUD. See Item 7: All PRSs covered by this SUD will be collectively called "PRS 124 Consolidated"	

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Item 6a	Calculations / Rad 1. Calculate the (s) for each COC listed above: See Attachment B. 2. Number of Samples (N): See Attachment B. Spreadsheet-Calculated Numbers of Samples: SU1 = 16 SU1 Scanning MDC (Area Factor) corrected = 194 samples Default 15 foot triangular grid = 54 samples The determination of the number of samples is consistent with section 3.7 of the standard VSAP, which provides for a default grid spacing. Sample locations were selected by overlaying onto the SU a 15-foot triangular or linear plan with a random starting point. A total of 54 sample locations will be assessed.
	Changes if any, from Pre-ex SUD: Because of SU1 area change and new data, the MARSSIM data sheet calculation for SU1 resulted in a changed number of samples SU1 Scanning MDC (Area Factor) corrected = 737 samples. Default 15 foot triangular grid = 72 samples. SU2 Spreadsheet-Calculated Numbers of Samples = 16, Scanning MDC (Area Factor) corrected = 223 samples Default 15 foot triangular grid = 19 samples. A total of 91 sample locations will be assessed.
Item 6b	Calculations/Chem, Std dev, Number of Samples n/a
	Changes if any, from Pre-ex SUD: n/a

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Item 7	Grid spacing	Triangular 15-foot grid for surface areas and 15 foot linear spacing for areas <15' wide at the base (length between sample points for linear spacing determined per the equation found in Section 3.8 of the Standard VSAP) L= $\sqrt{(335\ m2/(0.866)(16)}$ = 4.92m x 3.2808 ft/m = 16.14 ft Note: 335 m2 is the approximate surface area for this Survey Unit calculated as follows: total length of the trenches times the width, (750 ft x 4 ft = 3,000 sq ft) plus the area of PRS 124 (approximately 605 sq ft) = 3,605 sq ft or 335 m2.
	Changes if any, from Pre-ex SUD: During the remediation process, excavation to chase soil contamination was extensive based upon FIDLER readings. There are now almost no definable trenches, which followed the various PRS pipeline locations. In addition to this growth of the Survey Unit, a portion of PRS 440 was excluded from this Post EX SUD (see Fig. 1 Appendix II), and will be added to the verification sampling of the R/SW footprint Post EX SUD. During field measurements the size of SU1 was revised. The net size of SU1 is now 13,705 sq. ft. The net size of SU2 is 4,142 sq. ft.	
Item 8	**QA/QC:** Collection of QA/QC samples shall be in accordance with the Standard VSAP, Final, August 2004. Q-002 Chain-of-Custody Procedures Q-003 Documentation Requirements Q-004 Laboratory Data Reduction Q-006 Validation of Laboratory Data Packages Q-007 Data Assessment Q-008 Data Integrity Verification Q-010 Electronic Data Deliverable Format Specifications – MEIMS Std. ...	S-001 General Instructions for Field Personnel S-002 Soil Sampling With a Spade and Scoop S-028 Sample Control and Documentation S-029 Guide to Handling, Packaging, and Shipping of Samples and Method Q-002
Item 9	Bias/judgement samples	No bias samples are planned by CH2M Hill at this time. (Additional bias samples are always within the discretion of the EPA.)

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Item 10	Not otherwise covered.../ comments Potentially impacted work areas atop the excavation, where excavated materials will be loaded into haulers, and are not hard surfaces (i.e., soil) will be included in the Post-excavation SUD as a new Survey Unit or combined into the existing Survey Unit. Potentially impacted work areas atop the excavation, where excavated materials will be loaded into haulers, and are hard surfaces (i.e., concrete and asphalt) will be surveyed and released per RadCon procedures (MD-80036) in accordance **with DOE Order 5400.5 and Mound 2000 Work Plan Appendix A Table 1**. Site policy requires performance of onsite soil screening (NaI or germanium) on verification samples slated for offsite analysis and evaluation of the results prior to shipment. This analysis will generally be performed on a split of the verification sample containerized in an EPA dish (approximately 500 mL) but may be performed on the actual verification sample as long as containerization requirements are maintained for the offsite lab. Count time of the analysis will be sufficient to meet the cleanup objectives (COs) of the contaminants of concern (COCs) requiring verification. In-process sampling events (Characterization and Remedial Action Support Survey (RASS) samples) will be conducted during the entire PRS remediation. Those samples will undergo gamma spectrometry analysis to guide actions. 100% FIDLER walkover surveys will be conducted to detect hot spots for the areas included within and adjacent to the SU included in this SUD. Traditional trenches for the most part will not be the post excavation reality. Walkover surveys will be possible in this area because the removal of the overlapping lines will create an accessible area. RASS sampling and process knowledge of the remediated areas will be used to determine when the FSS (verification) sampling could be conducted. These samples undergo gamma spectroscopy analysis and, where historical Th230, U233/U234, or U238 locations are above cleanup objectives, samples will be taken and analyzed via alpha spectroscopy. RASS samples will be collected and analyzed onsite during the removals. Any contaminant found in the RASS sampling process above the CO will be added to the list of COCs.
	Changes if any, from Pre-ex SUD: If there is an insufficient volume of material to fill an EPA dish within a 1m x 1m square centered on the proposed sample location, due to bedrock or obstruction (such as a structure, foundation, concrete, pavement/asphalt, large rock formations, utility bank, etc. which is not to be removed), then sediment/soil analysis will not be performed. In lieu of a sediment/soil analysis result, RadCon will survey the surface per COs and provide documentation thereof in an RSDS. The RSDS(s) will be included as documentation. Any final sample location that does not meet the surface release criteria will be submitted to the Core Team for concurrence or determination of further action.

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APPENDIX D

BACKFILL PACKAGE

STD VSAP BACKFILL INFO

This information will be represented in the Data Report.

For: SU1 & SU2 / PRS 124

Checklist:

(per Section 5.6 of Std VSAP, Final, Aug 04)

- [x] final Graphic EXHIBIT 1
  (show sample locations & note any >CO and/or >HS)
- [x] sample results EXHIBIT 2
  (show DLs, HS, COs, and COC std deviation(s))
- [x] recalc of N EXHIBIT 3
- [x] preliminary data were reviewed
  (Data Review & Validation Report will be submitted with the Data Report)
- [x] Sign test & 95%UCL (per SU) EXHIBIT 4
  (not required if all results <CO, see pg 19/21 of VSAP)
- [x] retro curve EXHIBIT 3

From: (sign/date) 29 March 06

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SU1 and SU2 Backfill Package Summary

Soil Samples. SU1 and SU2 were verified with locations shown on Exhibit 1. Contaminants of concern (COCs) for both SUs are Ac-227, Am-241, Cs-137, Co-60, Pb-210, Pu-238, Pu-239/240, Pa-231, Ra-226, Th-228, Th-230, Th-232, U-233 (see note below), U-234, U-238, Bi-207, tritium, and Sr-90. Results for COCs (except U-233) are reported per SU in Exhibit 2.

All COC results in SU1 (except Pu-238 & U-234) are below cleanup objectives (COs) as shown on Exhibit 1 and reported in Exhibit 2; results above CO are in bold. Because sample SU1-124-91 was >CO for Pu-238 and near the boundary of the SU, a RadCon sample was collected between the boundary and the location >CO and analyzed onsite with the lab FIDLER; the result was <CO as reported on the lab sheet in Exhibit 2. All results in SU2 are below COs.

Statistical Tests. Per the standard VSAP, N was recalculated and a Power Curve was generated for SU1 and SU2 using actual verification data. Recalculation of N and Power Curves are included in Exhibit 3. Because there were exceedances to CO in SU1, a 95%UCL and Sign test were performed on the SU1 U-234 & Pu-238 verification data (Exhibit 4). Both analytical data sets passed the 95%UCL and Sign tests.

Walkover. Documentation of walkover surveys for SUs 1 and 2 (excerpts from RSDSs 06-ER-068, 069, 070, 079, & 099) is presented in Exhibit 5.

Variance to Post Ex SUD. Sample locations 104 and 105 (see Exhibit 1) were included in the Post Ex SUD for PRS 124 but could not be accessed at the time PRS 124 was verified. The area that included samples 104 and 105 was relocated to the RSW Post-Ex SUD.

Exhibit 1	SU1 and SU2 Verification Locations
Exhibit 2	Verification Results
Exhibit 3	Recalculation of N and Power Curve for SU1 and SU2
Exhibit 4	95%UCL & Sign tests for Pu-238 & U-233/234 in SU1
Exhibit 5	Walkover Results

We plan to commence backfill on 12 April 2006.

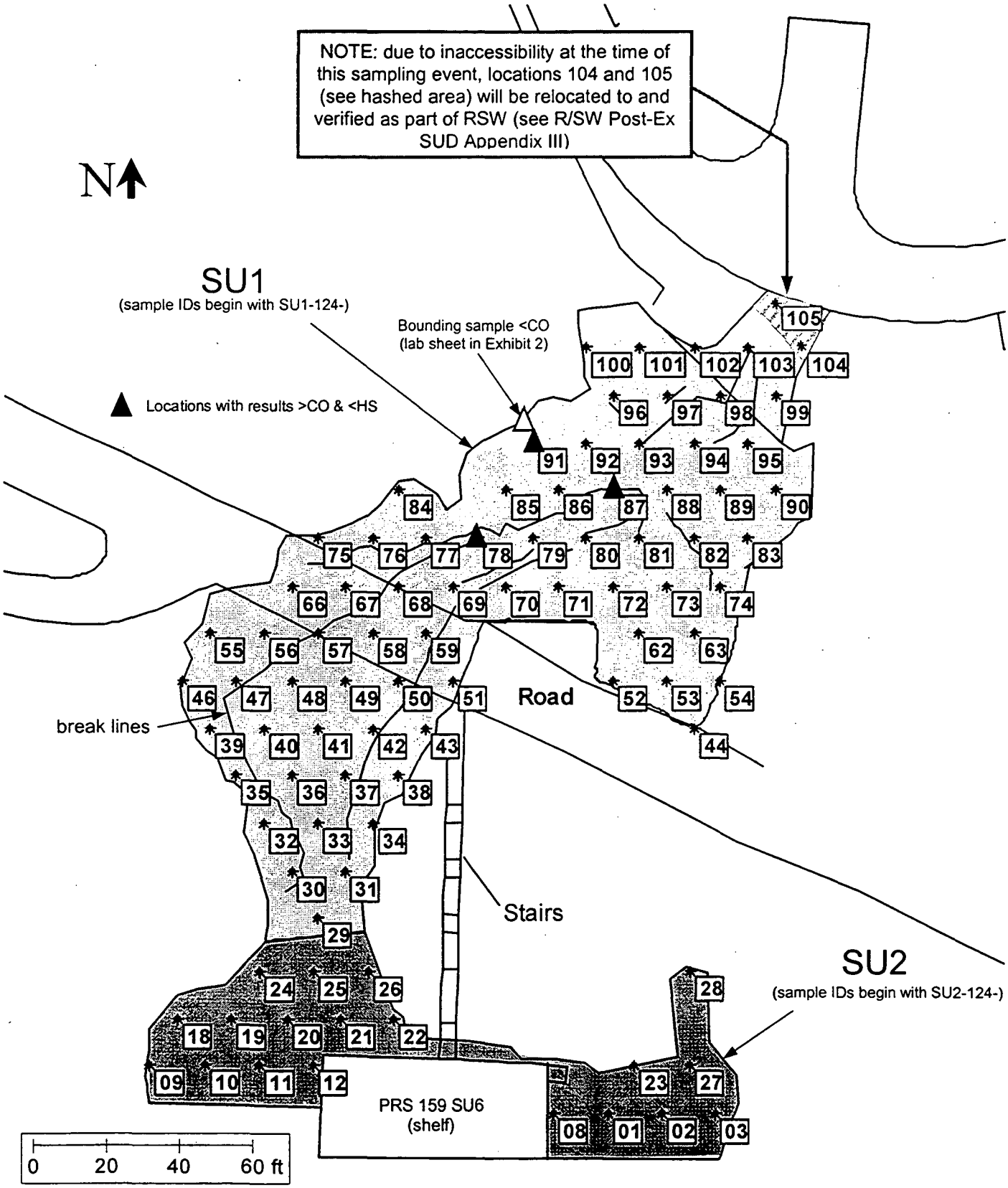

Exhibit 1: SU1 and SU2 Verification Locations

[shaded areas indicate limits of verification]

EXHIBIT 1

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SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Actinium 227	0.19	U	0.39	PCI/G	0.190
30	Actinium 227	0.34	U	0.59	PCI/G	0.340
31	Actinium 227	-0.19	U	0.36	PCI/G	0.180
32	Actinium 227	-0.003	U	0.5	PCI/G	0.250
33	Actinium 227	-0.11	U	0.37	PCI/G	0.185
34	Actinium 227	0.19	U	0.61	PCI/G	0.190
35	Actinium 227	0.003	U	0.28	PCI/G	0.003
36	Actinium 227	0.09	U	0.36	PCI/G	0.090
37	Actinium 227	1.45	J	0.52	PCI/G	1.450
38	Actinium 227	0.1	U	0.54	PCI/G	0.100
39	Actinium 227	0.12	U	0.51	PCI/G	0.120
40	Actinium 227	1.53	J	0.57	PCI/G	1.530
41	Actinium 227	0.22	U	0.33	PCI/G	0.220
42	Actinium 227	0.21	U	0.41	PCI/G	0.210
43	Actinium 227	0.03	U	0.32	PCI/G	0.030
44	Actinium 227	-0.05	U	0.37	PCI/G	0.185
46	Actinium 227	0.24	U	0.41	PCI/G	0.240
47	Actinium 227	0.55	J	0.44	PCI/G	0.550
48	Actinium 227	0.06	U	0.35	PCI/G	0.060
49	Actinium 227	-0.22	U	0.46	PCI/G	0.230
50	Actinium 227	-0.15	U	0.36	PCI/G	0.180
51	Actinium 227	-0.02	U	0.43	PCI/G	0.215
52	Actinium 227	-0.04	U	0.26	PCI/G	0.130
53	Actinium 227	-0.27	U	0.36	PCI/G	0.180
54	Actinium 227	0.24	U	0.36	PCI/G	0.240
55	Actinium 227	0.02	U	0.28	PCI/G	0.020
56	Actinium 227	-0.06	U	0.32	PCI/G	0.160
57	Actinium 227	-0.09	U	0.41	PCI/G	0.205
58	Actinium 227	0.08	U	0.41	PCI/G	0.080
59	Actinium 227	0.15	U	0.49	PCI/G	0.150
62	Actinium 227	0.18	U	0.37	PCI/G	0.180
63	Actinium 227	-0.4	U	0.34	PCI/G	0.170
66	Actinium 227	-0.18	U	0.54	PCI/G	0.270
67	Actinium 227	-0.51	U	0.45	PCI/G	0.225
68	Actinium 227	-0.39	U	0.41	PCI/G	0.205
69	Actinium 227	0.07	U	0.43	PCI/G	0.070
70	Actinium 227	1.33	J	0.61	PCI/G	1.330
71	Actinium 227	0.57	U	0.77	PCI/G	0.570
72	Actinium 227	0.06	U	0.59	PCI/G	0.060
73	Actinium 227	0.12	U	0.57	PCI/G	0.120
74	Actinium 227	0.29	U	0.65	PCI/G	0.290
75	Actinium 227	0.07	U	0.48	PCI/G	0.070
76	Actinium 227	0.006	U	0.22	PCI/G	0.006
77	Actinium 227	0.11	U	0.28	PCI/G	0.110
78	Actinium 227	1.48	J	0.47	PCI/G	1.480
79	Actinium 227	0.03	U	0.33	PCI/G	0.030
80	Actinium 227	-0.03	U	0.6	PCI/G	0.300
81	Actinium 227	0.35	U	0.64	PCI/G	0.350
82	Actinium 227	0.24	U	0.41	PCI/G	0.240
83	Actinium 227	1.29	J	0.5	PCI/G	1.290
84	Actinium 227	-0.05	U	0.55	PCI/G	0.275
85	Actinium 227	0.17	U	0.38	PCI/G	0.170

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A65/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Actinium 227	1.5	J	0.58	PCI/G	1.500
87	Actinium 227	0.34	U	0.39	PCI/G	0.340
88	Actinium 227	0.2	U	0.32	PCI/G	0.200
89	Actinium 227	-0.03	U	0.4	PCI/G	0.200
90	Actinium 227	1.08	J	0.42	PCI/G	1.080
91	Actinium 227	0.07	U	0.34	PCI/G	0.070
92	Actinium 227	-0.1	U	0.35	PCI/G	0.175
93	Actinium 227	1.64	J	0.54	PCI/G	1.640
94	Actinium 227	0.09	U	0.36	PCI/G	0.090
95	Actinium 227	-0.04	U	0.3	PCI/G	0.150
96	Actinium 227	0.89	J	0.42	PCI/G	0.890
97	Actinium 227	-0.02	U	0.24	PCI/G	0.120
98	Actinium 227	-0.05	U	0.28	PCI/G	0.140
99	Actinium 227	0.93	J	0.41	PCI/G	0.930
100	Actinium 227	0.16	U	0.51	PCI/G	0.160
101	Actinium 227	-0.05	U	0.39	PCI/G	0.195
102	Actinium 227	-0.08	U	0.58	PCI/G	0.290
103	Actinium 227	0.12	U	0.24	PCI/G	0.120
SU1 Ac-227					Standard Deviation	0.422
					Max Result	1.640
					Cleanup Objective	4.600
					Hot Spot criteria	13.610

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A66/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Americium 241	0.147	U	0.18	PCI/G	0.147
30	Americium 241	0.17	U	0.25	PCI/G	0.170
31	Americium 241	0.043	U	0.16	PCI/G	0.043
32	Americium 241	-0.03	U	0.18	PCI/G	0.090
33	Americium 241	0.006	U	0.15	PCI/G	0.006
34	Americium 241	0.11	U	0.21	PCI/G	0.110
35	Americium 241	-0.018	U	0.1	PCI/G	0.050
36	Americium 241	-0.006	U	0.16	PCI/G	0.080
37	Americium 241	-0.124	U	0.14	PCI/G	0.070
38	Americium 241	0.12	U	0.24	PCI/G	0.120
39	Americium 241	0.03	U	0.19	PCI/G	0.030
40	Americium 241	-0.0723	U	0.17	PCI/G	0.085
41	Americium 241	0.076	U	0.13	PCI/G	0.076
42	Americium 241	0.028	U	0.17	PCI/G	0.028
43	Americium 241	0.026	U	0.12	PCI/G	0.026
44	Americium 241	-0.027	U	0.15	PCI/G	0.075
46	Americium 241	-0.027	U	0.15	PCI/G	0.075
47	Americium 241	-0.008	U	0.13	PCI/G	0.065
48	Americium 241	0.067	U	0.16	PCI/G	0.067
49	Americium 241	0.09	U	0.2	PCI/G	0.090
50	Americium 241	0.006	U	0.16	PCI/G	0.006
51	Americium 241	0.01	U	0.18	PCI/G	0.010
52	Americium 241	-0.007	U	0.1	PCI/G	0.050
53	Americium 241	-0.026	U	0.11	PCI/G	0.055
54	Americium 241	0.009	U	0.12	PCI/G	0.009
55	Americium 241	-0.003	U	0.1	PCI/G	0.050
56	Americium 241	-0.035	U	0.12	PCI/G	0.060
57	Americium 241	0.02	U	0.18	PCI/G	0.020
58	Americium 241	-0.005	U	0.17	PCI/G	0.085
59	Americium 241	-0.005	U	0.2	PCI/G	0.100
62	Americium 241	0.018	U	0.14	PCI/G	0.018
63	Americium 241	-0.018	U	0.1	PCI/G	0.050
66	Americium 241	0.03	U	0.23	PCI/G	0.030
67	Americium 241	-0.019	U	0.14	PCI/G	0.070
68	Americium 241	0.018	U	0.17	PCI/G	0.018
69	Americium 241	-0.04	U	0.16	PCI/G	0.080
70	Americium 241	-0.13	U	0.18	PCI/G	0.090
71	Americium 241	-0.05	U	0.26	PCI/G	0.130
72	Americium 241	0.17	U	0.26	PCI/G	0.170
73	Americium 241	-0.02	U	0.22	PCI/G	0.110
74	Americium 241	-0.05	U	0.25	PCI/G	0.125
75	Americium 241	0.053	U	0.18	PCI/G	0.053
76	Americium 241	0.049	U	0.093	PCI/G	0.049
77	Americium 241	-0.003	U	0.12	PCI/G	0.060
78	Americium 241	-0.16	U	0.13	PCI/G	0.065
79	Americium 241	0.046	U	0.13	PCI/G	0.046
80	Americium 241	0.18	U	0.27	PCI/G	0.180
81	Americium 241	-0.04	U	0.23	PCI/G	0.115
82	Americium 241	0.053	U	0.16	PCI/G	0.053
83	Americium 241	-0.156	U	0.14	PCI/G	0.070
84	Americium 241	-0.05	U	0.21	PCI/G	0.105
85	Americium 241	-0.038	U	0.14	PCI/G	0.070

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A67/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Americium 241	-0.14	U	0.17	PCI/G	0.085
87	Americium 241	0.073	U	0.15	PCI/G	0.073
88	Americium 241	-0.006	U	0.12	PCI/G	0.060
89	Americium 241	-0.018	U	0.16	PCI/G	0.080
90	Americium 241	-0.096	U	0.12	PCI/G	0.060
91	Americium 241	0.2	J	0.15	PCI/G	0.200
92	Americium 241	-0.014	U	0.14	PCI/G	0.070
93	Americium 241	-0.063	U	0.16	PCI/G	0.080
94	Americium 241	-0.048	U	0.14	PCI/G	0.070
95	Americium 241	0.023	U	0.13	PCI/G	0.023
96	Americium 241	-0.075	U	0.13	PCI/G	0.065
97	Americium 241	-0.01	U	0.093	PCI/G	0.047
98	Americium 241	0.0007	U	0.12	PCI/G	0.001
99	Americium 241	-0.079	U	0.13	PCI/G	0.065
100	Americium 241	0.03	U	0.19	PCI/G	0.030
101	Americium 241	0.032	U	0.18	PCI/G	0.032
102	Americium 241	0.08	U	0.25	PCI/G	0.080
103	Americium 241	0.028	U	0.092	PCI/G	0.028
SU1 Am-241					Standard Deviation	0.042
					Max Result	0.200
					Cleanup Objective	63.000
					Hot Spot criteria	189.000

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A68/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Bismuth-207	-0.014	U	0.071	PCI/G	0.036
30	Bismuth-207	-0.035	U	0.097	PCI/G	0.049
31	Bismuth-207	-0.003	U	0.073	PCI/G	0.037
32	Bismuth-207	0.04	U	0.087	PCI/G	0.040
33	Bismuth-207	-0.016	U	0.058	PCI/G	0.029
34	Bismuth-207	0.049	U	0.11	PCI/G	0.049
35	Bismuth-207	0.012	U	0.05	PCI/G	0.012
36	Bismuth-207	-0.031	U	0.06	PCI/G	0.030
37	Bismuth-207	-0.011	U	0.058	PCI/G	0.029
38	Bismuth-207	0.007	U	0.093	PCI/G	0.007
39	Bismuth-207	-0.031	U	0.087	PCI/G	0.044
40	Bismuth-207	0.02	U	0.063	PCI/G	0.020
41	Bismuth-207	0.035	U	0.062	PCI/G	0.035
42	Bismuth-207	-0.009	U	0.057	PCI/G	0.029
43	Bismuth-207	-0.005	U	0.048	PCI/G	0.024
44	Bismuth-207	-0.003	U	0.058	PCI/G	0.029
46	Bismuth-207	0.021	U	0.077	PCI/G	0.021
47	Bismuth-207	0.016	U	0.059	PCI/G	0.016
48	Bismuth-207	0.019	U	0.071	PCI/G	0.019
49	Bismuth-207	-0.003	U	0.064	PCI/G	0.032
50	Bismuth-207	-0.0009	U	0.075	PCI/G	0.038
51	Bismuth-207	0.018	U	0.085	PCI/G	0.018
52	Bismuth-207	0.007	U	0.054	PCI/G	0.007
53	Bismuth-207	0.014	U	0.054	PCI/G	0.014
54	Bismuth-207	0.006	U	0.051	PCI/G	0.006
55	Bismuth-207	-0.007	U	0.042	PCI/G	0.021
56	Bismuth-207	-0.008	U	0.049	PCI/G	0.025
57	Bismuth-207	-0.032	U	0.067	PCI/G	0.034
58	Bismuth-207	-0.016	U	0.066	PCI/G	0.033
59	Bismuth-207	0.01	U	0.086	PCI/G	0.010
62	Bismuth-207	-0.019	U	0.036	PCI/G	0.018
63	Bismuth-207	0.004	U	0.049	PCI/G	0.004
66	Bismuth-207	0.04	U	0.11	PCI/G	0.040
67	Bismuth-207	-0.007	U	0.062	PCI/G	0.031
68	Bismuth-207	0.004	U	0.077	PCI/G	0.004
69	Bismuth-207	-0.034	U	0.064	PCI/G	0.032
70	Bismuth-207	0.002	U	0.069	PCI/G	0.002
71	Bismuth-207	0.046	U	0.14	PCI/G	0.046
72	Bismuth-207	0.003	U	0.1	PCI/G	0.003
73	Bismuth-207	-0.016	U	0.11	PCI/G	0.055
74	Bismuth-207	-0.011	U	0.12	PCI/G	0.060
75	Bismuth-207	-0.002	U	0.079	PCI/G	0.040
76	Bismuth-207	0.009	U	0.044	PCI/G	0.009
77	Bismuth-207	-0.003	U	0.047	PCI/G	0.024
78	Bismuth-207	0.006	U	0.052	PCI/G	0.006
79	Bismuth-207	0.008	U	0.058	PCI/G	0.008
80	Bismuth-207	-0.037	U	0.12	PCI/G	0.060
81	Bismuth-207	0.008	U	0.11	PCI/G	0.008
82	Bismuth-207	-0.019	U	0.064	PCI/G	0.032
83	Bismuth-207	0.02	U	0.058	PCI/G	0.020
84	Bismuth-207	-0.017	U	0.099	PCI/G	0.050
85	Bismuth-207	0.012	U	0.06	PCI/G	0.012

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A69/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Bismuth-207	0.03	U	0.072	PCI/G	0.030
87	Bismuth-207	0.005	U	0.061	PCI/G	0.005
88	Bismuth-207	0.003	U	0.06	PCI/G	0.003
89	Bismuth-207	-0.022	U	0.066	PCI/G	0.033
90	Bismuth-207	-0.004	U	0.046	PCI/G	0.023
91	Bismuth-207	-0.007	U	0.054	PCI/G	0.027
92	Bismuth-207	0.027	U	0.068	PCI/G	0.027
93	Bismuth-207	0.012	U	0.06	PCI/G	0.012
94	Bismuth-207	0.015	U	0.071	PCI/G	0.015
95	Bismuth-207	0.002	U	0.061	PCI/G	0.002
96	Bismuth-207	-0.007	U	0.049	PCI/G	0.025
97	Bismuth-207	0.003	U	0.041	PCI/G	0.003
98	Bismuth-207	-0.018	U	0.05	PCI/G	0.025
99	Bismuth-207	-0.004	U	0.044	PCI/G	0.022
100	Bismuth-207	0.018	U	0.094	PCI/G	0.018
101	Bismuth-207	-0.061	U	0.064	PCI/G	0.032
102	Bismuth-207	-0.004	U	0.098	PCI/G	0.049
103	Bismuth-207	-0.007	U	0.033	PCI/G	0.017
SU1 Bi-207					Standard Deviation	0.015
					Max Result	0.060
					Cleanup Objective	1.200
					Hot Spot criteria	3.600

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A70/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Cesium 137	0.064	U	0.12	PCI/G	0.064
30	Cesium 137	-0.004	U	0.13	PCI/G	0.065
31	Cesium 137	-0.048	U	0.097	PCI/G	0.049
32	Cesium 137	0.069	U	0.12	PCI/G	0.069
33	Cesium 137	-0.037	U	0.071	PCI/G	0.036
34	Cesium 137	-0.014	U	0.12	PCI/G	0.060
35	Cesium 137	0.25	J	0.061	PCI/G	0.250
36	Cesium 137	0.007	U	0.079	PCI/G	0.007
37	Cesium 137	0.014	U	0.077	PCI/G	0.014
38	Cesium 137	0.054	U	0.15	PCI/G	0.054
39	Cesium 137	0.122	U	0.16	PCI/G	0.122
40	Cesium 137	-0.016	U	0.075	PCI/G	0.038
41	Cesium 137	0.015	U	0.079	PCI/G	0.015
42	Cesium 137	0.01	U	0.09	PCI/G	0.010
43	Cesium 137	-0.028	U	0.06	PCI/G	0.030
44	Cesium 137	0.019	U	0.095	PCI/G	0.019
46	Cesium 137	-0.013	U	0.069	PCI/G	0.035
47	Cesium 137	0.012	U	0.072	PCI/G	0.012
48	Cesium 137	-0.023	U	0.092	PCI/G	0.046
49	Cesium 137	0.034	U	0.11	PCI/G	0.034
50	Cesium 137	-0.012	U	0.1	PCI/G	0.050
51	Cesium 137	-0.007	U	0.14	PCI/G	0.070
52	Cesium 137	0.042	U	0.11	PCI/G	0.042
53	Cesium 137	0.0007	U	0.069	PCI/G	0.001
54	Cesium 137	0.047	U	0.092	PCI/G	0.047
55	Cesium 137	-0.003	U	0.069	PCI/G	0.035
56	Cesium 137	-0.003	U	0.072	PCI/G	0.036
57	Cesium 137	-0.009	U	0.091	PCI/G	0.046
58	Cesium 137	-0.032	U	0.096	PCI/G	0.048
59	Cesium 137	0.009	U	0.11	PCI/G	0.009
62	Cesium 137	-0.027	U	0.063	PCI/G	0.032
63	Cesium 137	-0.004	U	0.073	PCI/G	0.037
66	Cesium 137	-0.028	U	0.14	PCI/G	0.070
67	Cesium 137	-0.03	U	0.071	PCI/G	0.036
68	Cesium 137	-0.016	U	0.11	PCI/G	0.055
69	Cesium 137	0.004	U	0.084	PCI/G	0.004
70	Cesium 137	-0.014	U	0.086	PCI/G	0.043
71	Cesium 137	0.065	U	0.17	PCI/G	0.065
72	Cesium 137	-0.007	U	0.17	PCI/G	0.085
73	Cesium 137	-0.044	U	0.14	PCI/G	0.070
74	Cesium 137	-0.029	U	0.15	PCI/G	0.075
75	Cesium 137	0.028	U	0.14	PCI/G	0.028
76	Cesium 137	-0.003	U	0.059	PCI/G	0.030
77	Cesium 137	-0.005	U	0.056	PCI/G	0.028
78	Cesium 137	-0.001	U	0.068	PCI/G	0.034
79	Cesium 137	-0.016	U	0.077	PCI/G	0.039
80	Cesium 137	-0.023	U	0.16	PCI/G	0.080
81	Cesium 137	-0.023	U	0.099	PCI/G	0.050
82	Cesium 137	0.007	U	0.086	PCI/G	0.007
83	Cesium 137	-0.005	U	0.073	PCI/G	0.037
84	Cesium 137	0.042	U	0.16	PCI/G	0.042
85	Cesium 137	0.032	U	0.09	PCI/G	0.032

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A71/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Cesium 137	0.004	U	0.078	PCI/G	0.004
87	Cesium 137	0.005	U	0.072	PCI/G	0.005
88	Cesium 137	0.048	U	0.088	PCI/G	0.048
89	Cesium 137	0.037	U	0.09	PCI/G	0.037
90	Cesium 137	-0.0004	U	0.058	PCI/G	0.029
91	Cesium 137	0.034	U	0.08	PCI/G	0.034
92	Cesium 137	-0.013	U	0.075	PCI/G	0.038
93	Cesium 137	0.013	U	0.077	PCI/G	0.013
94	Cesium 137	0.005	U	0.11	PCI/G	0.005
95	Cesium 137	-0.025	U	0.067	PCI/G	0.034
96	Cesium 137	0.084	J	0.082	PCI/G	0.084
97	Cesium 137	0.067	U	0.079	PCI/G	0.067
98	Cesium 137	-0.005	U	0.064	PCI/G	0.032
99	Cesium 137	0.254	J	0.065	PCI/G	0.254
100	Cesium 137	-0.015	U	0.1	PCI/G	0.050
101	Cesium 137	0.05	U	0.14	PCI/G	0.050
102	Cesium 137	0.014	U	0.14	PCI/G	0.014
103	Cesium 137	0.012	U	0.048	PCI/G	0.012
SU1 Cs-137					Standard Deviation	0.043
					Max Result	0.254
					Cleanup Objective	3.800
					Hot Spot criteria	10.620

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A72/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Cobalt 60	0.05	U	0.13	PCI/G	0.050
30	Cobalt 60	0.075	U	0.18	PCI/G	0.075
31	Cobalt 60	0.018	U	0.13	PCI/G	0.018
32	Cobalt 60	-0.018	U	0.11	PCI/G	0.055
33	Cobalt 60	-0.006	U	0.072	PCI/G	0.036
34	Cobalt 60	0.036	U	0.17	PCI/G	0.036
35	Cobalt 60	0.011	U	0.072	PCI/G	0.011
36	Cobalt 60	0.025	U	0.11	PCI/G	0.025
37	Cobalt 60	0.002	U	0.083	PCI/G	0.002
38	Cobalt 60	-0.026	U	0.1	PCI/G	0.050
39	Cobalt 60	0.016	U	0.13	PCI/G	0.016
40	Cobalt 60	0.007	U	0.094	PCI/G	0.007
41	Cobalt 60	0.028	U	0.086	PCI/G	0.028
42	Cobalt 60	-0.009	U	0.11	PCI/G	0.055
43	Cobalt 60	0.011	U	0.079	PCI/G	0.011
44	Cobalt 60	0.071	U	0.14	PCI/G	0.071
46	Cobalt 60	-0.027	U	0.068	PCI/G	0.034
47	Cobalt 60	-0.0005	U	0.069	PCI/G	0.035
48	Cobalt 60	-0.075	U	0.093	PCI/G	0.047
49	Cobalt 60	0.012	U	0.11	PCI/G	0.012
50	Cobalt 60	-0.042	U	0.11	PCI/G	0.055
51	Cobalt 60	0.023	U	0.16	PCI/G	0.023
52	Cobalt 60	0.027	U	0.08	PCI/G	0.027
53	Cobalt 60	0.011	U	0.089	PCI/G	0.011
54	Cobalt 60	-0.016	U	0.062	PCI/G	0.031
55	Cobalt 60	0.005	U	0.084	PCI/G	0.005
56	Cobalt 60	-0.0001	U	0.099	PCI/G	0.050
57	Cobalt 60	-0.016	U	0.11	PCI/G	0.055
58	Cobalt 60	0.036	U	0.13	PCI/G	0.036
59	Cobalt 60	-0.054	U	0.087	PCI/G	0.044
62	Cobalt 60	-0.029	U	0.075	PCI/G	0.038
63	Cobalt 60	-0.0007	U	0.075	PCI/G	0.038
66	Cobalt 60	0.03	U	0.17	PCI/G	0.030
67	Cobalt 60	0.028	U	0.1	PCI/G	0.028
68	Cobalt 60	0.012	U	0.13	PCI/G	0.012
69	Cobalt 60	-0.076	U	0.09	PCI/G	0.045
70	Cobalt 60	0.044	U	0.11	PCI/G	0.044
71	Cobalt 60	0.0283	U	0.21	PCI/G	0.028
72	Cobalt 60	0.101	U	0.2	PCI/G	0.101
73	Cobalt 60	-0.073	U	0.1	PCI/G	0.050
74	Cobalt 60	0.071	U	0.21	PCI/G	0.071
75	Cobalt 60	0.033	U	0.16	PCI/G	0.033
76	Cobalt 60	0.001	U	0.061	PCI/G	0.001
77	Cobalt 60	-0.016	U	0.061	PCI/G	0.031
78	Cobalt 60	0.007	U	0.076	PCI/G	0.007
79	Cobalt 60	0.01	U	0.093	PCI/G	0.010
80	Cobalt 60	0.054	U	0.18	PCI/G	0.054
81	Cobalt 60	0.059	U	0.18	PCI/G	0.059
82	Cobalt 60	-0.014	U	0.088	PCI/G	0.044
83	Cobalt 60	-0.006	U	0.084	PCI/G	0.042
84	Cobalt 60	-0.011	U	0.094	PCI/G	0.047
85	Cobalt 60	-0.018	U	0.08	PCI/G	0.040

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A73/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Cobalt 60	-0.044	U	0.091	PCI/G	0.046
87	Cobalt 60	0.0004	U	0.075	PCI/G	0.000
88	Cobalt 60	0.01	U	0.096	PCI/G	0.010
89	Cobalt 60	0.002	U	0.086	PCI/G	0.002
90	Cobalt 60	0.009	U	0.075	PCI/G	0.009
91	Cobalt 60	0.006	U	0.067	PCI/G	0.006
92	Cobalt 60	-0.001	U	0.07	PCI/G	0.035
93	Cobalt 60	-0.004	U	0.087	PCI/G	0.044
94	Cobalt 60	0	U	0.11	PCI/G	0.055
95	Cobalt 60	0.022	U	0.093	PCI/G	0.022
96	Cobalt 60	0.03	U	0.081	PCI/G	0.030
97	Cobalt 60	0.009	U	0.073	PCI/G	0.009
98	Cobalt 60	0.002	U	0.066	PCI/G	0.002
99	Cobalt 60	0.005	U	0.065	PCI/G	0.005
100	Cobalt 60	0.06	U	0.13	PCI/G	0.060
101	Cobalt 60	0.023	U	0.12	PCI/G	0.023
102	Cobalt 60	0.022	U	0.15	PCI/G	0.022
103	Cobalt 60	0.018	U	0.059	PCI/G	0.018
SU1 Co-60					Standard Deviation	0.021
					Max Result	0.101
					Cleanup Objective	0.700
					Hot Spot criteria	2.100

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A79/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Lead 210	-0.28	U	1.7	PCI/G	0.850
30	Lead 210	1.7	U	2.9	PCI/G	1.700
31	Lead 210	0.53	U	1.8	PCI/G	0.530
32	Lead 210	0.6	U	2.3	PCI/G	0.600
33	Lead 210	-0.04	U	1.8	PCI/G	0.900
34	Lead 210	1.1	U	2.7	PCI/G	1.100
35	Lead 210	0.63	U	1.4	PCI/G	0.630
36	Lead 210	1.5	U	2.1	PCI/G	1.500
37	Lead 210	0.8	U	1.8	PCI/G	0.800
38	Lead 210	0.9	U	2.8	PCI/G	0.900
39	Lead 210	0.7	U	2.3	PCI/G	0.700
40	Lead 210	1	U	1.9	PCI/G	1.000
41	Lead 210	0.38	U	1.4	PCI/G	0.380
42	Lead 210	-0.3	U	2	PCI/G	1.000
43	Lead 210	0.43	U	1.5	PCI/G	0.430
44	Lead 210	1	U	2.3	PCI/G	1.000
46	Lead 210	0.21	U	1.8	PCI/G	0.210
47	Lead 210	1.1	U	1.7	PCI/G	1.100
48	Lead 210	0.44	U	1.7	PCI/G	0.440
49	Lead 210	0.4	U	2.2	PCI/G	0.400
50	Lead 210	0.2	U	1.9	PCI/G	0.200
51	Lead 210	1.8	U	2.5	PCI/G	1.800
52	Lead 210	0.32	U	1.6	PCI/G	0.320
53	Lead 210	0.79	U	1.6	PCI/G	0.790
54	Lead 210	0.39	U	1.6	PCI/G	0.390
55	Lead 210	0.65	U	1.5	PCI/G	0.650
56	Lead 210	0.74	U	1.9	PCI/G	0.740
57	Lead 210	0.08	U	2.2	PCI/G	0.080
58	Lead 210	0.5	U	1.9	PCI/G	0.500
59	Lead 210	0.4	U	2.6	PCI/G	0.400
62	Lead 210	0.07	U	1.8	PCI/G	0.070
63	Lead 210	0.66	U	1.6	PCI/G	0.660
66	Lead 210	1.2	U	3	PCI/G	1.200
67	Lead 210	0.72	U	1.8	PCI/G	0.720
68	Lead 210	0.9	U	2	PCI/G	0.900
69	Lead 210	1.5	U	2.2	PCI/G	1.500
70	Lead 210	0.8	U	2.2	PCI/G	0.800
71	Lead 210	2.5	U	3.7	PCI/G	2.500
72	Lead 210	0.2	U	2.8	PCI/G	0.200
73	Lead 210	2.1	U	3.8	PCI/G	2.100
74	Lead 210	1.4	U	3.2	PCI/G	1.400
75	Lead 210	1.1	U	2.5	PCI/G	1.100
76	Lead 210	0.58	U	1.1	PCI/G	0.580
77	Lead 210	-0.37	U	1.4	PCI/G	0.700
78	Lead 210	1.3	U	1.5	PCI/G	1.300
79	Lead 210	0.73	U	1.6	PCI/G	0.730
80	Lead 210	0.1	U	2.9	PCI/G	0.100
81	Lead 210	0.4	U	2.6	PCI/G	0.400
82	Lead 210	0.4	U	2	PCI/G	0.400
83	Lead 210	-0.1	U	1.7	PCI/G	0.850
84	Lead 210	1.8	U	3.1	PCI/G	1.800
85	Lead 210	1.2	U	2	PCI/G	1.200

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A75/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Lead 210	1.8	U	1.9	PCI/G	1.800
87	Lead 210	1.6	U	2	PCI/G	1.600
88	Lead 210	0.69	U	1.5	PCI/G	0.690
89	Lead 210	1.3	U	2.2	PCI/G	1.300
90	Lead 210	0.52	U	1.5	PCI/G	0.520
91	Lead 210	0.21	U	1.7	PCI/G	0.210
92	Lead 210	1.1	U	1.9	PCI/G	1.100
93	Lead 210	-0.31	U	1.7	PCI/G	0.850
94	Lead 210	0.1	U	1.8	PCI/G	0.100
95	Lead 210	0.15	U	1.7	PCI/G	0.150
96	Lead 210	0.89	U	1.6	PCI/G	0.890
97	Lead 210	0.12	U	1.2	PCI/G	0.120
98	Lead 210	-0.82	U	1.4	PCI/G	0.700
99	Lead 210	0.24	U	1.5	PCI/G	0.240
100	Lead 210	-0.06	U	2	PCI/G	1.000
101	Lead 210	1.1	U	2.1	PCI/G	1.100
102	Lead 210	-0.007	U	3	PCI/G	1.500
103	Lead 210	0.21	U	1.2	PCI/G	0.210
SU1 Pb-210					Standard Deviation	0.805
					Max Result	2.100
					Cleanup Objective	7.400
					Hot Spot criteria	19.800

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A76/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Plutonium-238	13.3		0.1	PCI/G	13.300
30	Plutonium-238	7.02		0.11	PCI/G	7.020
31	Plutonium-238	0.87		0.03	PCI/G	0.870
32	Plutonium-238	0.82		0.03	PCI/G	0.820
33	Plutonium-238	0.036	J	0.031	PCI/G	0.036
34	Plutonium-238	20.8		0.09	PCI/G	20.800
35	Plutonium-238	7.45		0.02	PCI/G	7.450
36	Plutonium-238	0.98		0.04	PCI/G	0.980
37	Plutonium-238	1.48		0.03	PCI/G	1.480
38	Plutonium-238	2.28		0.07	PCI/G	2.280
39	Plutonium-238	27.4		0.07	PCI/G	27.400
40	Plutonium-238	1.07		0.02	PCI/G	1.070
41	Plutonium-238	3.61		0.02	PCI/G	3.610
42	Plutonium-238	3.05		0.03	PCI/G	3.050
43	Plutonium-238	1.54		0.06	PCI/G	1.540
44	Plutonium-238	0.45		0.07	PCI/G	0.450
46	Plutonium-238	7.13		0.07	PCI/G	7.130
47	Plutonium-238	0.69		0.05	PCI/G	0.690
48	Plutonium-238	3.44		0.03	PCI/G	3.440
49	Plutonium-238	0.157		0.033	PCI/G	0.157
50	Plutonium-238	0.3		0.028	PCI/G	0.300
51	Plutonium-238	2.32		0.08	PCI/G	2.320
52	Plutonium-238	2.25		0.06	PCI/G	2.250
53	Plutonium-238	3.31		0.06	PCI/G	3.310
54	Plutonium-238	0.035	U	0.047	PCI/G	0.035
55	Plutonium-238	0.66		0.07	PCI/G	0.660
56	Plutonium-238	0.014	U	0.063	PCI/G	0.014
57	Plutonium-238	0.129		0.022	PCI/G	0.129
58	Plutonium-238	0.031	J	0.024	PCI/G	0.031
59	Plutonium-238	3.2		0.03	PCI/G	3.200
62	Plutonium-238	7.01		0.05	PCI/G	7.010
63	Plutonium-238	6.93		0.06	PCI/G	6.930
66	Plutonium-238	3.86		0.05	PCI/G	3.860
67	Plutonium-238	0.61		0.07	PCI/G	0.610
68	Plutonium-238	2.31		0.03	PCI/G	2.310
69	Plutonium-238	0.303		0.03	PCI/G	0.303
70	Plutonium-238	0.068	J	0.034	PCI/G	0.068
71	Plutonium-238	2.76		0.06	PCI/G	2.760
72	Plutonium-238	11.1		0.06	PCI/G	11.100
73	Plutonium-238	6.45		0.07	PCI/G	6.450
74	Plutonium-238	5.98		0.06	PCI/G	5.980
75	Plutonium-238	13.6		0.08	PCI/G	13.600
76	Plutonium-238	0.89		0.02	PCI/G	0.890
77	Plutonium-238	3.32		0.02	PCI/G	3.320
78	Plutonium-238	0.53		0.04	PCI/G	0.530
79	Plutonium-238	16.5		0.05	PCI/G	16.500
80	Plutonium-238	3.73		0.07	PCI/G	3.730
81	Plutonium-238	6.33		0.08	PCI/G	6.330
82	Plutonium-238	1.4		0.04	PCI/G	1.400
83	Plutonium-238	3.78		0.05	PCI/G	3.780
84	Plutonium-238	0.56		0.07	PCI/G	0.560
85	Plutonium-238	2.13		0.03	PCI/G	2.130

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A77/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Plutonium-238	0.094	J	0.059	PCI/G	0.094
87	Plutonium-238	13.2		0.04	PCI/G	13.200
88	Plutonium-238	0.222		0.028	PCI/G	0.222
89	Plutonium-238	1.02		0.03	PCI/G	1.020
90	Plutonium-238	1.5		0.03	PCI/G	1.500
91	**Plutonium-238**	**99**		**0.04**	**PCI/G**	**99.000**
92	Plutonium-238	0.099	J	0.064	PCI/G	0.099
93	Plutonium-238	2.44		0.04	PCI/G	2.440
94	Plutonium-238	0.355		0.033	PCI/G	0.355
95	Plutonium-238	0.07	J	0.049	PCI/G	0.070
96	Plutonium-238	8.04		0.04	PCI/G	8.040
97	Plutonium-238	0.52		0.05	PCI/G	0.520
98	Plutonium-238	0.62		0.03	PCI/G	0.620
99	Plutonium-238	0.92		0.03	PCI/G	0.920
100	Plutonium-238	13.5		0.09	PCI/G	13.500
101	Plutonium-238	0.98		0.09	PCI/G	0.980
102	Plutonium-238	1.17		0.07	PCI/G	1.170
103	Plutonium-238	2.27		0.02	PCI/G	2.270
SU1 Pu-238					**Standard Deviation**	12.531
					Max Result	**99.000**
					Cleanup Objective	55.000
					Hot Spot criteria	165.000

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A78/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Plutonium-239/240	0.088	J	0.071	PCI/G	0.088
30	Plutonium-239/240	0.059	J	0.052	PCI/G	0.059
31	Plutonium-239/240	0.012	U	0.024	PCI/G	0.012
32	Plutonium-239/240	0.014	U	0.022	PCI/G	0.014
33	Plutonium-239/240	-0.001	U	0.022	PCI/G	0.011
34	Plutonium-239/240	0.157	J	0.068	PCI/G	0.157
35	Plutonium-239/240	0.038	J	0.019	PCI/G	0.038
36	Plutonium-239/240	0.0006	U	0.029	PCI/G	0.001
37	Plutonium-239/240	0.008	U	0.025	PCI/G	0.008
38	Plutonium-239/240	0.006	U	0.051	PCI/G	0.006
39	Plutonium-239/240	0.168	J	0.028	PCI/G	0.168
40	Plutonium-239/240	0.007	U	0.024	PCI/G	0.007
41	Plutonium-239/240	0.025	J	0.023	PCI/G	0.025
42	Plutonium-239/240	0.02	J	0.013	PCI/G	0.020
43	Plutonium-239/240	0.006	U	0.051	PCI/G	0.006
44	Plutonium-239/240	0.007	U	0.054	PCI/G	0.007
46	Plutonium-239/240	0.028	U	0.052	PCI/G	0.028
47	Plutonium-239/240	0.017	U	0.027	PCI/G	0.017
48	Plutonium-239/240	0.017	U	0.025	PCI/G	0.017
49	Plutonium-239/240	0.012	U	0.02	PCI/G	0.012
50	Plutonium-239/240	0.004	U	0.02	PCI/G	0.004
51	Plutonium-239/240	0.007	U	0.053	PCI/G	0.007
52	Plutonium-239/240	0.016	U	0.059	PCI/G	0.016
53	Plutonium-239/240	0.135	J	0.049	PCI/G	0.135
54	Plutonium-239/240	0.008	U	0.041	PCI/G	0.008
55	Plutonium-239/240	0.006	U	0.045	PCI/G	0.006
56	Plutonium-239/240	0.005	U	0.058	PCI/G	0.005
57	Plutonium-239/240	0	U	0.01	PCI/G	0.005
58	Plutonium-239/240	-0.001	U	0.021	PCI/G	0.011
59	Plutonium-239/240	0.025	J	0.019	PCI/G	0.025
62	Plutonium-239/240	0.167	J	0.024	PCI/G	0.167
63	Plutonium-239/240	0.096	J	0.038	PCI/G	0.096
66	Plutonium-239/240	0.113	J	0.048	PCI/G	0.113
67	Plutonium-239/240	0.015	U	0.046	PCI/G	0.015
68	Plutonium-239/240	0.024	U	0.028	PCI/G	0.024
69	Plutonium-239/240	0.005	U	0.012	PCI/G	0.005
70	Plutonium-239/240	0.008	U	0.027	PCI/G	0.008
71	Plutonium-239/240	0.015	U	0.046	PCI/G	0.015
72	Plutonium-239/240	0.32		0.05	PCI/G	0.320
73	Plutonium-239/240	0.097	J	0.049	PCI/G	0.097
74	Plutonium-239/240	0.208		0.027	PCI/G	0.208
75	Plutonium-239/240	0.33		0.06	PCI/G	0.330
76	Plutonium-239/240	0.016	U	0.023	PCI/G	0.016
77	Plutonium-239/240	0.04	J	0.018	PCI/G	0.040
78	Plutonium-239/240	0.008	U	0.019	PCI/G	0.008
79	Plutonium-239/240	0.219		0.032	PCI/G	0.219
80	Plutonium-239/240	0.07	J	0.066	PCI/G	0.070
81	Plutonium-239/240	0.085	J	0.067	PCI/G	0.085
82	Plutonium-239/240	0.016	U	0.019	PCI/G	0.016

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A79/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
83	Plutonium-239/240	0.041	J	0.033	PCI/G	0.041
84	Plutonium-239/240	0.014	U	0.054	PCI/G	0.014
85	Plutonium-239/240	0.017	U	0.02	PCI/G	0.017
86	Plutonium-239/240	0.009	U	0.053	PCI/G	0.009
87	Plutonium-239/240	0.108		0.025	PCI/G	0.108
88	Plutonium-239/240	-0.005	U	0.027	PCI/G	0.014
89	Plutonium-239/240	0.033	J	0.013	PCI/G	0.033
90	Plutonium-239/240	0.011	U	0.021	PCI/G	0.011
91	Plutonium-239/240	0.86		0.01	PCI/G	0.860
92	Plutonium-239/240	0.004	U	0.041	PCI/G	0.004
93	Plutonium-239/240	0.054	J	0.019	PCI/G	0.054
94	Plutonium-239/240	0.002	U	0.021	PCI/G	0.002
95	Plutonium-239/240	-0.012	U	0.041	PCI/G	0.021
96	Plutonium-239/240	0.067	J	0.025	PCI/G	0.067
97	Plutonium-239/240	-0.001	U	0.039	PCI/G	0.020
98	Plutonium-239/240	0.019	U	0.021	PCI/G	0.019
99	Plutonium-239/240	0.041	J	0.023	PCI/G	0.041
100	Plutonium-239/240	0.07	J	0.062	PCI/G	0.070
101	Plutonium-239/240	0	U	0.03	PCI/G	0.015
102	Plutonium-239/240	0.026	U	0.057	PCI/G	0.026
103	Plutonium-239/240	0.033	J	0.024	PCI/G	0.033
SU1 Pu-239/240					Standard Deviation	0.119
					Max Result	0.860
					Cleanup Objective	62.000
					Hot Spot criteria	186.000

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A80/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Protactinium 231	-0.4	U	1.8	PCI/G	0.900
30	Protactinium 231	2.1	U	3.3	PCI/G	2.100
31	Protactinium 231	-1.16	U	1.5	PCI/G	0.750
32	Protactinium 231	-0.9	U	1.9	PCI/G	0.950
33	Protactinium 231	0.75	U	1.6	PCI/G	0.750
34	Protactinium 231	1.4	U	2.9	PCI/G	1.400
35	Protactinium 231	0.05	U	1.2	PCI/G	0.050
36	Protactinium 231	-0.74	U	1.6	PCI/G	0.800
37	Protactinium 231	0.6	U	1.6	PCI/G	0.600
38	Protactinium 231	0.5	U	2.7	PCI/G	0.500
39	Protactinium 231	2.2	U	3.2	PCI/G	2.200
40	Protactinium 231	-0.3	U	1.5	PCI/G	0.750
41	Protactinium 231	-0.72	U	1.3	PCI/G	0.650
42	Protactinium 231	-1.1	U	1.7	PCI/G	0.850
43	Protactinium 231	-0.4	U	1.6	PCI/G	0.800
44	Protactinium 231	0.5	U	2.2	PCI/G	0.500
46	Protactinium 231	0.5	U	2.2	PCI/G	0.500
47	Protactinium 231	0.01	U	1.4	PCI/G	0.010
48	Protactinium 231	-1	U	1.7	PCI/G	0.850
49	Protactinium 231	-0.5	U	1.8	PCI/G	0.900
50	Protactinium 231	0.02	U	1.8	PCI/G	0.020
51	Protactinium 231	1.8	U	3	PCI/G	1.800
52	Protactinium 231	-0.1	U	1.6	PCI/G	0.800
53	Protactinium 231	1.3	U	1.8	PCI/G	1.300
54	Protactinium 231	-0.46	U	1.5	PCI/G	0.750
55	Protactinium 231	0.53	U	1.7	PCI/G	0.530
56	Protactinium 231	0.53	U	1.9	PCI/G	0.530
57	Protactinium 231	-1	U	1.7	PCI/G	0.850
58	Protactinium 231	-0.7	U	1.8	PCI/G	0.900
59	Protactinium 231	-1.5	U	1.7	PCI/G	0.850
62	Protactinium 231	-0.26	U	1.6	PCI/G	0.800
63	Protactinium 231	0.06	U	1.6	PCI/G	0.060
66	Protactinium 231	0.8	U	3	PCI/G	0.800
67	Protactinium 231	-0.2	U	2	PCI/G	1.000
68	Protactinium 231	0.2	U	1.8	PCI/G	0.200
69	Protactinium 231	-0.3	U	1.8	PCI/G	0.900
70	Protactinium 231	-0.4	U	1.8	PCI/G	0.900
71	Protactinium 231	1	U	3.5	PCI/G	1.000
72	Protactinium 231	0.4	U	3.4	PCI/G	0.400
73	Protactinium 231	2.3	U	3.5	PCI/G	2.300
74	Protactinium 231	2.3	U	3.8	PCI/G	2.300
75	Protactinium 231	0.7	U	3	PCI/G	0.700
76	Protactinium 231	-1.31	U	0.93	PCI/G	0.465
77	Protactinium 231	-1.15	U	1.2	PCI/G	0.600
78	Protactinium 231	0.41	U	1.4	PCI/G	0.410
79	Protactinium 231	-0.53	U	1.4	PCI/G	0.700
80	Protactinium 231	0.9	U	3.6	PCI/G	0.900
81	Protactinium 231	0.6	U	3.2	PCI/G	0.600
82	Protactinium 231	-0.4	U	1.6	PCI/G	0.800
83	Protactinium 231	0.46	U	1.4	PCI/G	0.460
84	Protactinium 231	-0.2	U	2.6	PCI/G	1.300
85	Protactinium 231	-1.3	U	1.5	PCI/G	0.750

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A81/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Protactinium 231	0.8	U	1.8	PCI/G	0.800
87	Protactinium 231	0.46	U	1.5	PCI/G	0.460
88	Protactinium 231	-1.5	U	1.3	PCI/G	0.650
89	Protactinium 231	-1.43	U	1.5	PCI/G	0.750
90	Protactinium 231	-0.12	U	1.3	PCI/G	0.650
91	Protactinium 231	0.47	U	1.3	PCI/G	0.470
92	Protactinium 231	-0.61	U	1.6	PCI/G	0.800
93	Protactinium 231	0.25	U	1.5	PCI/G	0.250
94	Protactinium 231	-0.84	U	1.6	PCI/G	0.800
95	Protactinium 231	-0.69	U	1.3	PCI/G	0.650
96	Protactinium 231	-0.24	U	1.3	PCI/G	0.650
97	Protactinium 231	-0.49	U	1	PCI/G	0.500
98	Protactinium 231	-0.77	U	1.2	PCI/G	0.600
99	Protactinium 231	0.46	U	1.2	PCI/G	0.460
100	Protactinium 231	0.7	U	2.7	PCI/G	0.700
101	Protactinium 231	0.9	U	2.6	PCI/G	0.900
102	Protactinium 231	1	U	3.4	PCI/G	1.000
103	Protactinium 231	0.03	U	0.97	PCI/G	0.030
SU1 Pa-231					Standard Deviation	0.474
					Max Result	2.300
					Cleanup Objective	4.000
					Hot Spot criteria	11.810

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A 82/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Radium (226)	0.63	J	0.35	PCI/G	0.630
30	Radium (226)	0.78		0.25	PCI/G	0.780
31	Radium (226)	0.51	J	0.33	PCI/G	0.510
32	Radium (226)	0.64	J	0.4	PCI/G	0.640
33	Radium (226)	0.58	J	0.28	PCI/G	0.580
34	Radium (226)	0.81		0.2	PCI/G	0.810
35	Radium (226)	0.7	J	0.11	PCI/G	0.700
36	Radium (226)	0.49	J	0.14	PCI/G	0.490
37	Radium (226)	0.54	J	0.13	PCI/G	0.540
38	Radium (226)	0.68		0.43	PCI/G	0.680
39	Radium (226)	0.69		0.44	PCI/G	0.690
40	Radium (226)	0.71	J	0.26	PCI/G	0.710
41	Radium (226)	0.6	J	0.26	PCI/G	0.600
42	Radium (226)	0.68	J	0.13	PCI/G	0.680
43	Radium (226)	0.39		0.27	PCI/G	0.390
44	Radium (226)	0.51		0.36	PCI/G	0.510
46	Radium (226)	0.34		0.33	PCI/G	0.340
47	Radium (226)	0.35	J	0.23	PCI/G	0.350
48	Radium (226)	0.49	J	0.31	PCI/G	0.490
49	Radium (226)	0.48	J	0.35	PCI/G	0.480
50	Radium (226)	0.5	J	0.32	PCI/G	0.500
51	Radium (226)	0.84		0.46	PCI/G	0.840
52	Radium (226)	0.38		0.29	PCI/G	0.380
53	Radium (226)	0.54		0.28	PCI/G	0.540
54	Radium (226)	0.44		0.28	PCI/G	0.440
55	Radium (226)	0.36		0.26	PCI/G	0.360
56	Radium (226)	0.38		0.29	PCI/G	0.380
57	Radium (226)	0.6	J	0.32	PCI/G	0.600
58	Radium (226)	0.45	J	0.33	PCI/G	0.450
59	Radium (226)	0.42	J	0.38	PCI/G	0.420
62	Radium (226)	0.53		0.35	PCI/G	0.530
63	Radium (226)	0.52		0.29	PCI/G	0.520
66	Radium (226)	0.67		0.46	PCI/G	0.670
67	Radium (226)	0.53		0.32	PCI/G	0.530
68	Radium (226)	0.56	J	0.36	PCI/G	0.560
69	Radium (226)	0.66	J	0.32	PCI/G	0.660
70	Radium (226)	0.5	J	0.28	PCI/G	0.500
71	Radium (226)	0.79		0.57	PCI/G	0.790
72	Radium (226)	0.7		0.56	PCI/G	0.700
73	Radium (226)	0.57		0.49	PCI/G	0.570
74	Radium (226)	0.55		0.5	PCI/G	0.550
75	Radium (226)	0.64		0.42	PCI/G	0.640
76	Radium (226)	0.55	J	0.11	PCI/G	0.550
77	Radium (226)	0.56	J	0.11	PCI/G	0.560
78	Radium (226)	0.55	J	0.12	PCI/G	0.550
79	Radium (226)	0.7	J	0.13	PCI/G	0.700
80	Radium (226)	0.8		0.51	PCI/G	0.800
81	Radium (226)	0.73		0.46	PCI/G	0.730
82	Radium (226)	0.57	J	0.3	PCI/G	0.570
83	Radium (226)	0.39	J	0.22	PCI/G	0.390
84	Radium (226)	0.81		0.51	PCI/G	0.810
85	Radium (226)	0.58	J	0.3	PCI/G	0.580

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A83/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Radium (226)	0.73	J	0.15	PCI/G	0.730
87	Radium (226)	0.61	J	0.12	PCI/G	0.610
88	Radium (226)	0.74	J	0.28	PCI/G	0.740
89	Radium (226)	0.64	J	0.32	PCI/G	0.640
90	Radium (226)	0.51	J	0.11	PCI/G	0.510
91	Radium (226)	0.68	J	0.12	PCI/G	0.680
92	Radium (226)	0.66	J	0.15	PCI/G	0.660
93	Radium (226)	0.54	J	0.24	PCI/G	0.540
94	Radium (226)	0.72	J	0.15	PCI/G	0.720
95	Radium (226)	0.52	J	0.11	PCI/G	0.520
96	Radium (226)	0.63	J	0.24	PCI/G	0.630
97	Radium (226)	0.56	J	0.1	PCI/G	0.560
98	Radium (226)	0.44	J	0.11	PCI/G	0.440
99	Radium (226)	0.57	J	0.11	PCI/G	0.570
100	Radium (226)	0.6		0.43	PCI/G	0.600
101	Radium (226)	0.54		0.38	PCI/G	0.540
102	Radium (226)	1.13		0.59	PCI/G	1.130
103	Radium (226)	0.5	J	0.2	PCI/G	0.500
SU1 Ra-226					Standard Deviation	0.138
					Max Result	1.130
					Cleanup Objective	2.900
					Hot Spot criteria	4.700

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A84/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Strontium 90	0.19	U	0.27	PCI/G	0.190
30	Strontium 90	0.26	U	1.4	PCI/G	0.260
31	Strontium 90	0.33	U	0.71	PCI/G	0.330
32	Strontium 90	0.35	U	1.2	PCI/G	0.350
33	Strontium 90	0.4	U	1.1	PCI/G	0.400
34	Strontium 90	0.26	U	1.4	PCI/G	0.260
35	Strontium 90	-0.004	U	0.81	PCI/G	0.405
36	Strontium 90	-0.54	U	0.88	PCI/G	0.440
37	Strontium 90	0.27	U	0.87	PCI/G	0.270
38	Strontium 90	0.22	U	1.4	PCI/G	0.220
39	Strontium 90	1.62	J	0.51	PCI/G	1.620
40	Strontium 90	0.003	U	1.2	PCI/G	0.003
41	Strontium 90	-0.02	U	1.1	PCI/G	0.550
42	Strontium 90	1.15	J	1	PCI/G	1.150
43	Strontium 90	0.14	U	0.89	PCI/G	0.140
44	Strontium 90	0.06	U	0.54	PCI/G	0.060
46	Strontium 90	0.97	U	1.2	PCI/G	0.970
47	Strontium 90	0.07	U	0.63	PCI/G	0.070
48	Strontium 90	0.09	U	1.3	PCI/G	0.090
49	Strontium 90	0.34	U	0.8	PCI/G	0.340
50	Strontium 90	0.49	U	1.1	PCI/G	0.490
51	Strontium 90	0.11	U	0.45	PCI/G	0.110
52	Strontium 90	0.07	U	0.59	PCI/G	0.070
53	Strontium 90	0.47	U	0.61	PCI/G	0.470
54	Strontium 90	0.2	U	0.56	PCI/G	0.200
55	Strontium 90	0.56	U	1	PCI/G	0.560
56	Strontium 90	0.48	U	0.63	PCI/G	0.480
57	Strontium 90	0.85	U	1.3	PCI/G	0.850
58	Strontium 90	1.15	J	1.1	PCI/G	1.150
59	Strontium 90	1.14	U	1.2	PCI/G	1.140
62	Strontium 90	1.5	U	2.4	PCI/G	1.500
63	Strontium 90	1.08	J	1	PCI/G	1.080
66	Strontium 90	0.75	J	0.7	PCI/G	0.750
67	Strontium 90	0.08	U	1.1	PCI/G	0.080
68	Strontium 90	-0.88	U	1.1	PCI/G	0.550
69	Strontium 90	-0.64	U	1.2	PCI/G	0.600
70	Strontium 90	0.29	U	0.95	PCI/G	0.290
71	Strontium 90	-0.02	U	1.2	PCI/G	0.600
72	Strontium 90	1.06	U	1.3	PCI/G	1.060
73	Strontium 90	0.22	U	0.56	PCI/G	0.220
74	Strontium 90	0.88	U	1.4	PCI/G	0.880
75	Strontium 90	0.37	U	1.4	PCI/G	0.370
76	Strontium 90	0.16	U	0.85	PCI/G	0.160
77	Strontium 90	-0.19	U	0.71	PCI/G	0.355
78	Strontium 90	0.17	U	0.88	PCI/G	0.170
79	Strontium 90	0.16	U	0.58	PCI/G	0.160
80	Strontium 90	0.08	U	0.61	PCI/G	0.080
81	Strontium 90	0	U	0.7	PCI/G	0.350
82	Strontium 90	-0.1	U	0.77	PCI/G	0.385
83	Strontium 90	0.25	U	0.54	PCI/G	0.250
84	Strontium 90	0.4	U	0.69	PCI/G	0.400
85	Strontium 90	0.32	U	0.73	PCI/G	0.320

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A85/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Strontium 90	0.3	U	1.1	PCI/G	0.300
87	Strontium 90	0.16	U	0.67	PCI/G	0.160
88	Strontium 90	-0.04	U	0.95	PCI/G	0.475
89	Strontium 90	0.22	U	0.74	PCI/G	0.220
90	Strontium 90	0.15	U	0.46	PCI/G	0.150
91	Strontium 90	-0.16	U	0.87	PCI/G	0.435
92	Strontium 90	-0.12	U	0.68	PCI/G	0.340
93	Strontium 90	1.3	J	1.1	PCI/G	1.300
94	Strontium 90	-0.18	U	0.75	PCI/G	0.375
95	Strontium 90	0.23	U	0.59	PCI/G	0.230
96	Strontium 90	0.17	U	0.77	PCI/G	0.170
97	Strontium 90	0.18	U	0.57	PCI/G	0.180
98	Strontium 90	-0.11	U	0.64	PCI/G	0.320
99	Strontium 90	-0.31	U	0.74	PCI/G	0.370
100	Strontium 90	0	U	0.4	PCI/G	0.200
101	Strontium 90	0.16	U	0.52	PCI/G	0.160
102	Strontium 90	0.57	J	0.48	PCI/G	0.570
103	Strontium 90	-0.07	U	0.56	PCI/G	0.280
SU1 Sr-90					Standard Deviation	0.359
					Max Result	1.620
					Cleanup Objective	94.720
					Hot Spot criteria	282.720

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A86/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Thorium-228	1.13		0.18	PCI/G	1.130
30	Thorium-228	1.07		0.1	PCI/G	1.070
31	Thorium-228	1.05		0.05	PCI/G	1.050
32	Thorium-228	0.86		0.08	PCI/G	0.860
33	Thorium-228	1.25		0.07	PCI/G	1.250
34	Thorium-228	1.01		0.06	PCI/G	1.010
35	Thorium-228	0.93		0.07	PCI/G	0.930
36	Thorium-228	1.38		0.07	PCI/G	1.380
37	Thorium-228	1.05		0.1	PCI/G	1.050
38	Thorium-228	0.85		0.09	PCI/G	0.850
39	Thorium-228	1.41		0.1	PCI/G	1.410
40	Thorium-228	1.16		0.06	PCI/G	1.160
41	Thorium-228	1.27		0.09	PCI/G	1.270
42	Thorium-228	1.13		0.08	PCI/G	1.130
43	Thorium-228	0.33		0.09	PCI/G	0.330
44	Thorium-228	0.43		0.1	PCI/G	0.430
46	Thorium-228	0.75		0.11	PCI/G	0.750
47	Thorium-228	0.35		0.02	PCI/G	0.350
48	Thorium-228	1.13		0.06	PCI/G	1.130
49	Thorium-228	1.1		0.09	PCI/G	1.100
50	Thorium-228	1.18		0.08	PCI/G	1.180
51	Thorium-228	1		0.06	PCI/G	1.000
52	Thorium-228	0.31		0.08	PCI/G	0.310
53	Thorium-228	0.39		0.11	PCI/G	0.390
54	Thorium-228	0.53		0.1	PCI/G	0.530
55	Thorium-228	0.3		0.11	PCI/G	0.300
56	Thorium-228	0.24		0.1	PCI/G	0.240
57	Thorium-228	1.07		0.09	PCI/G	1.070
58	Thorium-228	1.33		0.07	PCI/G	1.330
59	Thorium-228	1.22		0.07	PCI/G	1.220
62	Thorium-228	0.14	U	0.19	PCI/G	0.140
63	Thorium-228	0.32		0.16	PCI/G	0.320
66	Thorium-228	0.83		0.16	PCI/G	0.830
67	Thorium-228	0.43		0.12	PCI/G	0.430
68	Thorium-228	1.07		0.06	PCI/G	1.070
69	Thorium-228	1.29		0.09	PCI/G	1.290
70	Thorium-228	1.44		0.09	PCI/G	1.440
71	Thorium-228	1.41		0.13	PCI/G	1.410
72	Thorium-228	0.85		0.1	PCI/G	0.850
73	Thorium-228	1.01		0.14	PCI/G	1.010
74	Thorium-228	1.09		0.11	PCI/G	1.090
75	Thorium-228	1.1		0.12	PCI/G	1.100
76	Thorium-228	1.14		0.05	PCI/G	1.140
77	Thorium-228	0.89		0.07	PCI/G	0.890
78	Thorium-228	0.89		0.06	PCI/G	0.890
79	Thorium-228	1.1		0.04	PCI/G	1.100
80	Thorium-228	1.4		0.12	PCI/G	1.400
81	Thorium-228	0.8		0.09	PCI/G	0.800
82	Thorium-228	1.2		0.07	PCI/G	1.200
83	Thorium-228	1.11		0.08	PCI/G	1.110
84	Thorium-228	1.2		0.14	PCI/G	1.200
85	Thorium-228	1.02		0.03	PCI/G	1.020

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A87/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Thorium-228	1.42		0.09	PCI/G	1.420
87	Thorium-228	1.17		0.05	PCI/G	1.170
88	Thorium-228	1.03		0.11	PCI/G	1.030
89	Thorium-228	1.12		0.06	PCI/G	1.120
90	Thorium-228	0.76		0.1	PCI/G	0.760
91	Thorium-228	2.57		0.07	PCI/G	2.570
92	Thorium-228	1.29		0.35	PCI/G	1.290
93	Thorium-228	0.97		0.07	PCI/G	0.970
94	Thorium-228	1.08		0.06	PCI/G	1.080
95	Thorium-228	0.98		0.07	PCI/G	0.980
96	Thorium-228	0.8		0.06	PCI/G	0.800
97	Thorium-228	0.74		0.04	PCI/G	0.740
98	Thorium-228	0.65		0.1	PCI/G	0.650
99	Thorium-228	0.74		0.07	PCI/G	0.740
100	Thorium-228	0.79		0.12	PCI/G	0.790
101	Thorium-228	0.8		0.11	PCI/G	0.800
102	Thorium-228	0.75		0.07	PCI/G	0.750
103	Thorium-228	0.39		0.12	PCI/G	0.390
SU1 Th-228					Standard Deviation	0.383
					Max Result	2.570
					Cleanup Objective	2.600
					Hot Spot criteria	4.800

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A881/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Thorium-230	1.15		0.11	PCI/G	1.150
30	Thorium-230	1.18		0.05	PCI/G	1.180
31	Thorium-230	1.03		0.04	PCI/G	1.030
32	Thorium-230	1.02		0.04	PCI/G	1.020
33	Thorium-230	0.74		0.06	PCI/G	0.740
34	Thorium-230	1.11		0.05	PCI/G	1.110
35	Thorium-230	1.05		0.03	PCI/G	1.050
36	Thorium-230	0.84		0.05	PCI/G	0.840
37	Thorium-230	0.82		0.07	PCI/G	0.820
38	Thorium-230	0.85		0.07	PCI/G	0.850
39	Thorium-230	1.01		0.06	PCI/G	1.010
40	Thorium-230	0.84		0.04	PCI/G	0.840
41	Thorium-230	1.08		0.04	PCI/G	1.080
42	Thorium-230	0.86		0.05	PCI/G	0.860
43	Thorium-230	0.75		0.05	PCI/G	0.750
44	Thorium-230	0.73		0.06	PCI/G	0.730
46	Thorium-230	0.84		0.07	PCI/G	0.840
47	Thorium-230	0.68		0.03	PCI/G	0.680
48	Thorium-230	0.71		0.02	PCI/G	0.710
49	Thorium-230	0.74		0.07	PCI/G	0.740
50	Thorium-230	0.84		0.05	PCI/G	0.840
51	Thorium-230	0.92		0.04	PCI/G	0.920
52	Thorium-230	0.79		0.05	PCI/G	0.790
53	Thorium-230	0.7		0.08	PCI/G	0.700
54	Thorium-230	0.93		0.07	PCI/G	0.930
55	Thorium-230	0.72		0.09	PCI/G	0.720
56	Thorium-230	0.51		0.05	PCI/G	0.510
57	Thorium-230	0.83		0.04	PCI/G	0.830
58	Thorium-230	0.98		0.02	PCI/G	0.980
59	Thorium-230	0.9		0.05	PCI/G	0.900
62	Thorium-230	0.61		0.11	PCI/G	0.610
63	Thorium-230	0.7		0.1	PCI/G	0.700
66	Thorium-230	0.96		0.13	PCI/G	0.960
67	Thorium-230	0.54		0.09	PCI/G	0.540
68	Thorium-230	0.67		0.03	PCI/G	0.670
69	Thorium-230	0.77		0.03	PCI/G	0.770
70	Thorium-230	0.9		0.06	PCI/G	0.900
71	Thorium-230	1.02		0.11	PCI/G	1.020
72	Thorium-230	0.77		0.07	PCI/G	0.770
73	Thorium-230	0.94		0.09	PCI/G	0.940
74	Thorium-230	0.65		0.05	PCI/G	0.650
75	Thorium-230	0.77		0.08	PCI/G	0.770
76	Thorium-230	1.06		0.03	PCI/G	1.060
77	Thorium-230	0.68		0.05	PCI/G	0.680
78	Thorium-230	0.8		0.03	PCI/G	0.800
79	Thorium-230	0.71		0.04	PCI/G	0.710
80	Thorium-230	0.9		0.09	PCI/G	0.900
81	Thorium-230	0.85		0.08	PCI/G	0.850
82	Thorium-230	0.8		0.05	PCI/G	0.800
83	Thorium-230	0.76		0.04	PCI/G	0.760
84	Thorium-230	0.97		0.09	PCI/G	0.970
85	Thorium-230	0.79		0.05	PCI/G	0.790

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A89/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Thorium-230	1.08		0.05	PCI/G	1.080
87	Thorium-230	0.84		0.02	PCI/G	0.840
88	Thorium-230	0.71		0.09	PCI/G	0.710
89	Thorium-230	0.93		0.04	PCI/G	0.930
90	Thorium-230	0.66		0.05	PCI/G	0.660
91	Thorium-230	0.94		0.06	PCI/G	0.940
92	Thorium-230	1.03		0.28	PCI/G	1.030
93	Thorium-230	0.74		0.03	PCI/G	0.740
94	Thorium-230	0.84		0.03	PCI/G	0.840
95	Thorium-230	0.66		0.06	PCI/G	0.660
96	Thorium-230	0.66		0.04	PCI/G	0.660
97	Thorium-230	0.85		0.03	PCI/G	0.850
98	Thorium-230	0.65		0.08	PCI/G	0.650
99	Thorium-230	1.05		0.03	PCI/G	1.050
100	Thorium-230	1.01		0.04	PCI/G	1.010
101	Thorium-230	0.82		0.07	PCI/G	0.820
102	Thorium-230	0.83		0.08	PCI/G	0.830
103	Thorium-230	0.91		0.07	PCI/G	0.910
SU1 Th-230					Standard Deviation	0.149
					Max Result	1.180
					Cleanup Objective	2.800
					Hot Spot criteria	4.600

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A90/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Thorium-232	0.98		0.15	PCI/G	0.980
30	Thorium-232	1.11		0.06	PCI/G	1.110
30	Thorium-232	1.02		0.54	PCI/G	1.020
31	Thorium-232	1		0.03	PCI/G	1.000
32	Thorium-232	1.04		0.05	PCI/G	1.040
33	Thorium-232	0.98		0.04	PCI/G	0.980
34	Thorium-232	0.95		0.05	PCI/G	0.950
35	Thorium-232	0.84		0.03	PCI/G	0.840
36	Thorium-232	1.17		0.05	PCI/G	1.170
37	Thorium-232	0.99		0.09	PCI/G	0.990
38	Thorium-232	0.7		0.07	PCI/G	0.700
39	Thorium-232	0.91		0.09	PCI/G	0.910
39	Thorium-232	0.91		0.42	PCI/G	0.910
40	Thorium-232	0.92		0.05	PCI/G	0.920
41	Thorium-232	1.15		0.06	PCI/G	1.150
42	Thorium-232	1.09		0.05	PCI/G	1.090
43	Thorium-232	0.26		0.05	PCI/G	0.260
44	Thorium-232	0.61		0.06	PCI/G	0.610
46	Thorium-232	0.55		0.07	PCI/G	0.550
46	Thorium-232	0.44		0.28	PCI/G	0.440
47	Thorium-232	0.36		0.04	PCI/G	0.360
48	Thorium-232	1.35		0.04	PCI/G	1.350
49	Thorium-232	1.08		0.04	PCI/G	1.080
50	Thorium-232	1.08		0.04	PCI/G	1.080
51	Thorium-232	0.88		0.05	PCI/G	0.880
51	Thorium-232	1		0.43	PCI/G	1.000
52	Thorium-232	0.28		0.03	PCI/G	0.280
53	Thorium-232	0.31		0.07	PCI/G	0.310
54	Thorium-232	0.35		0.07	PCI/G	0.350
55	Thorium-232	0.37		0.09	PCI/G	0.370
56	Thorium-232	0.17	J	0.08	PCI/G	0.170
57	Thorium-232	1.4		0.04	PCI/G	1.400
58	Thorium-232	1.35		0.05	PCI/G	1.350
59	Thorium-232	1.05		0.02	PCI/G	1.050
62	Thorium-232	0.19	J	0.11	PCI/G	0.190
63	Thorium-232	0.27		0.1	PCI/G	0.270
66	Thorium-232	0.83		0.1	PCI/G	0.830
67	Thorium-232	0.31		0.05	PCI/G	0.310
68	Thorium-232	1.15		0.05	PCI/G	1.150
69	Thorium-232	1.07		0.05	PCI/G	1.070
70	Thorium-232	1.24		0.04	PCI/G	1.240
71	Thorium-232	0.99		0.12	PCI/G	0.990
72	Thorium-232	0.86		0.04	PCI/G	0.860
72	Thorium-232	1.46		0.54	PCI/G	1.460
73	Thorium-232	1.17		0.09	PCI/G	1.170
74	Thorium-232	0.97		0.08	PCI/G	0.970
74	Thorium-232	0.82		0.47	PCI/G	0.820
75	Thorium-232	0.81		0.07	PCI/G	0.810
75	Thorium-232	0.69		0.33	PCI/G	0.690
76	Thorium-232	1.38		0.03	PCI/G	1.380
77	Thorium-232	0.92		0.05	PCI/G	0.920
78	Thorium-232	0.91		0.05	PCI/G	0.910

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2
A91/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
79	Thorium-232	0.96		0.05	PCI/G	0.960
80	Thorium-232	1.14		0.05	PCI/G	1.140
81	Thorium-232	0.6		0.06	PCI/G	0.600
81	Thorium-232	0.69		0.42	PCI/G	0.690
82	Thorium-232	1.01		0.06	PCI/G	1.010
83	Thorium-232	0.99		0.04	PCI/G	0.990
84	Thorium-232	0.99		0.09	PCI/G	0.990
85	Thorium-232	0.99		0.06	PCI/G	0.990
86	Thorium-232	1.27		0.04	PCI/G	1.270
87	Thorium-232	0.98		0.04	PCI/G	0.980
88	Thorium-232	0.98		0.05	PCI/G	0.980
89	Thorium-232	1.17		0.04	PCI/G	1.170
90	Thorium-232	0.63		0.05	PCI/G	0.630
91	Thorium-232	0.99		0.02	PCI/G	0.990
92	Thorium-232	1.64		0.19	PCI/G	1.640
93	Thorium-232	1.01		0.03	PCI/G	1.010
94	Thorium-232	1.07		0.02	PCI/G	1.070
95	Thorium-232	0.97		0.04	PCI/G	0.970
96	Thorium-232	0.69		0.03	PCI/G	0.690
97	Thorium-232	0.73		0.02	PCI/G	0.730
98	Thorium-232	0.7		0.09	PCI/G	0.700
98	Thorium-232	0.62		0.24	PCI/G	0.620
99	Thorium-232	0.87		0.04	PCI/G	0.870
99	Thorium-232	0.39		0.23	PCI/G	0.390
100	Thorium-232	0.85		0.07	PCI/G	0.850
101	Thorium-232	0.71		0.07	PCI/G	0.710
101	Thorium-232	0.83		0.17	PCI/G	0.830
102	Thorium-232	0.92		0.05	PCI/G	0.920
103	Thorium-232	0.37		0.07	PCI/G	0.370
103	Thorium-232	0.36		0.14	PCI/G	0.360
SU1 Th-232					Standard Deviation	0.320
					Max Result	1.640
					Cleanup Objective	2.100
					Hot Spot criteria	3.500

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A92/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Tritium	23.4		0.5	PCI/G	23.400
30	Tritium	30.2		0.6	PCI/G	30.200
31	Tritium	1.65	J	0.43	PCI/G	1.650
32	Tritium	0.57	J	0.42	PCI/G	0.570
33	Tritium	20.1		0.4	PCI/G	20.100
34	Tritium	7.9		0.6	PCI/G	7.900
35	Tritium	1.51	J	0.45	PCI/G	1.510
36	Tritium	23.2		0.5	PCI/G	23.200
37	Tritium	1.09	J	0.43	PCI/G	1.090
38	Tritium	68.9		5.8	PCI/G	68.900
39	Tritium	1.33	J	0.59	PCI/G	1.330
40	Tritium	1.21	J	0.43	PCI/G	1.210
41	Tritium	0.24	U	0.41	PCI/G	0.240
42	Tritium	1.79	J	0.42	PCI/G	1.790
43	Tritium	0.03	U	0.57	PCI/G	0.030
44	Tritium	0.1	U	0.58	PCI/G	0.100
46	Tritium	0.82	J	0.59	PCI/G	0.820
47	Tritium	0.35	U	0.44	PCI/G	0.350
48	Tritium	5.08		0.42	PCI/G	5.080
49	Tritium	9.8		0.4	PCI/G	9.800
50	Tritium	14.9		0.4	PCI/G	14.900
51	Tritium	12.3		0.6	PCI/G	12.300
52	Tritium	0.34	U	0.61	PCI/G	0.340
53	Tritium	0.2	U	0.6	PCI/G	0.200
54	Tritium	0.1	U	0.59	PCI/G	0.100
55	Tritium	7.7		0.6	PCI/G	7.700
56	Tritium	0.2	U	0.61	PCI/G	0.200
57	Tritium	27.4		0.5	PCI/G	27.400
58	Tritium	10		0.4	PCI/G	10.000
59	Tritium	21.8		0.4	PCI/G	21.800
62	Tritium	0.1	U	0.61	PCI/G	0.100
63	Tritium	0.19	U	0.59	PCI/G	0.190
66	Tritium	0.72	J	0.6	PCI/G	0.720
67	Tritium	14.3		0.6	PCI/G	14.300
68	Tritium	13.6		0.4	PCI/G	13.600
69	Tritium	15.3		0.4	PCI/G	15.300
70	Tritium	25.3		0.4	PCI/G	25.300
71	Tritium	1.58	J	0.6	PCI/G	1.580
72	Tritium	1.28	J	0.65	PCI/G	1.280
73	Tritium	1.81	J	0.55	PCI/G	1.810
74	Tritium	2.7		0.56	PCI/G	2.700
75	Tritium	0.23	U	0.57	PCI/G	0.230
76	Tritium	0.17	U	0.38	PCI/G	0.170
77	Tritium	0.05	U	0.38	PCI/G	0.050
78	Tritium	50.2		0.4	PCI/G	50.200
79	Tritium	40.1		0.4	PCI/G	40.100
80	Tritium	15.7		0.6	PCI/G	15.700
81	Tritium	0.8	J	0.57	PCI/G	0.800
82	Tritium	69.8		0.4	PCI/G	69.800
83	Tritium	11.4		0.4	PCI/G	11.400
84	Tritium	0.15	U	0.56	PCI/G	0.150
85	Tritium	10.1		0.4	PCI/G	10.100

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A93/133

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Tritium	4.91		0.52	PCI/G	4.910
87	Tritium	36.1		0.4	PCI/G	36.100
88	Tritium	19.2		0.4	PCI/G	19.200
89	Tritium	27.9		0.6	PCI/G	27.900
90	Tritium	23.2		0.6	PCI/G	23.200
91	Tritium	-0.03	U	0.58	PCI/G	0.290
92	Tritium	25.5		0.6	PCI/G	25.500
93	Tritium	10.5		0.6	PCI/G	10.500
94	Tritium	21.5		0.7	PCI/G	21.500
95	Tritium	65.9		0.6	PCI/G	65.900
96	Tritium	0.62	J	0.6	PCI/G	0.620
97	Tritium	0.13	U	0.6	PCI/G	0.130
98	Tritium	8.4		0.6	PCI/G	8.400
99	Tritium	0.48	U	0.64	PCI/G	0.480
100	Tritium	0.57	J	0.56	PCI/G	0.570
101	Tritium	0.54	U	0.55	PCI/G	0.540
102	Tritium	0.44	U	0.55	PCI/G	0.440
103	Tritium	6.17		0.6	PCI/G	6.170
SU1 H3			Standard Deviation			16.549
			Max Result			69.800
			Screening Level			75.000

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A94/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Uranium 233/234	1.04		0.05	PCI/G	1.040
30	Uranium 233/234	0.99		0.03	PCI/G	0.990
31	Uranium 233/234	0.8		0.02	PCI/G	0.800
32	Uranium 233/234	0.78		0.02	PCI/G	0.780
33	Uranium 233/234	0.62		0.03	PCI/G	0.620
34	Uranium 233/234	0.99		0.05	PCI/G	0.990
35	Uranium 233/234	0.6		0.03	PCI/G	0.600
36	Uranium 233/234	0.84		0.03	PCI/G	0.840
37	Uranium 233/234	0.75		0.02	PCI/G	0.750
38	Uranium 233/234	0.68		0.05	PCI/G	0.680
39	Uranium 233/234	0.77		0.03	PCI/G	0.770
40	Uranium 233/234	0.84		0.04	PCI/G	0.840
41	Uranium 233/234	0.74		0.04	PCI/G	0.740
42	Uranium 233/234	1.14		0.03	PCI/G	1.140
43	Uranium 233/234	0.52		0.07	PCI/G	0.520
44	Uranium 233/234	0.44		0.05	PCI/G	0.440
46	Uranium 233/234	0.7		0.03	PCI/G	0.700
47	Uranium 233/234	0.59		0.09	PCI/G	0.590
48	Uranium 233/234	0.89		0.03	PCI/G	0.890
49	Uranium 233/234	0.88		0.04	PCI/G	0.880
50	Uranium 233/234	0.79		0.03	PCI/G	0.790
51	Uranium 233/234	0.87		0.06	PCI/G	0.870
52	Uranium 233/234	0.43		0.04	PCI/G	0.430
53	Uranium 233/234	0.41		0.04	PCI/G	0.410
54	Uranium 233/234	0.5		0.05	PCI/G	0.500
55	Uranium 233/234	0.28		0.05	PCI/G	0.280
56	Uranium 233/234	0.49		0.06	PCI/G	0.490
57	Uranium 233/234	0.84		0.04	PCI/G	0.840
58	Uranium 233/234	0.72		0.03	PCI/G	0.720
59	Uranium 233/234	0.96		0.05	PCI/G	0.960
62	Uranium 233/234	0.52		0.06	PCI/G	0.520
63	Uranium 233/234	0.47		0.06	PCI/G	0.470
66	Uranium 233/234	0.7		0.05	PCI/G	0.700
67	Uranium 233/234	0.42		0.04	PCI/G	0.420
68	Uranium 233/234	0.69		0.03	PCI/G	0.690
69	Uranium 233/234	1.08		0.02	PCI/G	1.080
70	Uranium 233/234	1.58		0.05	PCI/G	1.580
71	Uranium 233/234	1.47		0.04	PCI/G	1.470
72	Uranium 233/234	0.85		0.04	PCI/G	0.850
73	Uranium 233/234	0.54		0.04	PCI/G	0.540
74	Uranium 233/234	0.63		0.04	PCI/G	0.630
75	Uranium 233/234	0.77		0.05	PCI/G	0.770
76	Uranium 233/234	0.62		0.02	PCI/G	0.620
77	Uranium 233/234	0.67		0.02	PCI/G	0.670
78	Uranium 233/234	**2.4**		**0.03**	**PCI/G**	**2.400**
79	Uranium 233/234	1.4		0.02	PCI/G	1.400
80	Uranium 233/234	0.98		0.02	PCI/G	0.980
81	Uranium 233/234	0.73		0.04	PCI/G	0.730
82	Uranium 233/234	0.71		0.02	PCI/G	0.710
83	Uranium 233/234	0.72		0.02	PCI/G	0.720
84	Uranium 233/234	0.74		0.05	PCI/G	0.740
85	Uranium 233/234	0.75		0.02	PCI/G	0.750

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A95/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Uranium 233/234	0.73		0.06	PCI/G	0.730
87	Uranium 233/234	**2.51**		**0.02**	**PCI/G**	**2.510**
88	Uranium 233/234	0.75		0.02	PCI/G	0.750
89	Uranium 233/234	0.74		0.02	PCI/G	0.740
90	Uranium 233/234	0.62		0.02	PCI/G	0.620
91	Uranium 233/234	0.73		0.02	PCI/G	0.730
92	Uranium 233/234	0.74		0.05	PCI/G	0.740
93	Uranium 233/234	0.69		0.02	PCI/G	0.690
94	Uranium 233/234	0.89		0.02	PCI/G	0.890
95	Uranium 233/234	0.496		0.026	PCI/G	0.496
96	Uranium 233/234	0.65		0.03	PCI/G	0.650
97	Uranium 233/234	0.54		0.02	PCI/G	0.540
98	Uranium 233/234	1.15		0.03	PCI/G	1.150
99	Uranium 233/234	0.64		0.03	PCI/G	0.640
100	Uranium 233/234	0.68		0.03	PCI/G	0.680
101	Uranium 233/234	0.7		0.03	PCI/G	0.700
102	Uranium 233/234	0.55		0.06	PCI/G	0.550
103	Uranium 233/234	1.46		0.02	PCI/G	1.460
SU1 U-233/234					**Standard Deviation**	0.378
					Max Result	2.510
					Cleanup Objective	2.000
					Hot Spot criteria	3.800

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A96/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
29	Uranium 238	0.89		0.05	PCI/G	0.890
30	Uranium 238	0.8		0.04	PCI/G	0.800
31	Uranium 238	0.93		0.02	PCI/G	0.930
32	Uranium 238	0.75		0.02	PCI/G	0.750
33	Uranium 238	0.58		0.02	PCI/G	0.580
34	Uranium 238	0.91		0.03	PCI/G	0.910
35	Uranium 238	0.75		0.02	PCI/G	0.750
36	Uranium 238	0.88		0.02	PCI/G	0.880
37	Uranium 238	0.66		0.02	PCI/G	0.660
38	Uranium 238	0.69		0.04	PCI/G	0.690
39	Uranium 238	0.69		0.04	PCI/G	0.690
40	Uranium 238	0.85		0.03	PCI/G	0.850
41	Uranium 238	0.79		0.04	PCI/G	0.790
42	Uranium 238	1.01		0.03	PCI/G	1.010
43	Uranium 238	0.61		0.04	PCI/G	0.610
44	Uranium 238	0.42		0.05	PCI/G	0.420
46	Uranium 238	0.6		0.06	PCI/G	0.600
47	Uranium 238	0.5		0.11	PCI/G	0.500
48	Uranium 238	0.75		0.04	PCI/G	0.750
49	Uranium 238	0.76		0.05	PCI/G	0.760
50	Uranium 238	0.73		0.02	PCI/G	0.730
51	Uranium 238	0.75		0.05	PCI/G	0.750
52	Uranium 238	0.49		0.07	PCI/G	0.490
53	Uranium 238	0.44		0.02	PCI/G	0.440
54	Uranium 238	0.52		0.05	PCI/G	0.520
55	Uranium 238	0.43		0.02	PCI/G	0.430
56	Uranium 238	0.37		0.06	PCI/G	0.370
57	Uranium 238	0.77		0.02	PCI/G	0.770
58	Uranium 238	0.8		0.03	PCI/G	0.800
59	Uranium 238	0.81		0.03	PCI/G	0.810
62	Uranium 238	0.51		0.05	PCI/G	0.510
63	Uranium 238	0.39		0.06	PCI/G	0.390
66	Uranium 238	0.72		0.05	PCI/G	0.720
67	Uranium 238	0.34		0.04	PCI/G	0.340
68	Uranium 238	0.89		0.02	PCI/G	0.890
69	Uranium 238	0.88		0.01	PCI/G	0.880
70	Uranium 238	0.96		0.04	PCI/G	0.960
71	Uranium 238	0.89		0.04	PCI/G	0.890
72	Uranium 238	0.84		0.02	PCI/G	0.840
73	Uranium 238	0.72		0.02	PCI/G	0.720
74	Uranium 238	0.59		0.03	PCI/G	0.590
75	Uranium 238	0.68		0.04	PCI/G	0.680
76	Uranium 238	0.71		0.01	PCI/G	0.710
77	Uranium 238	0.64		0.02	PCI/G	0.640
78	Uranium 238	0.78		0.02	PCI/G	0.780
79	Uranium 238	0.58		0.02	PCI/G	0.580
80	Uranium 238	0.61		0.04	PCI/G	0.610
81	Uranium 238	0.83		0.03	PCI/G	0.830
82	Uranium 238	0.72		0.01	PCI/G	0.720
83	Uranium 238	0.64		0.02	PCI/G	0.640
84	Uranium 238	0.67		0.02	PCI/G	0.670
85	Uranium 238	0.76		0.02	PCI/G	0.760

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A97/138

SU1 Offsite COC Verification Results

(all sample IDs begin with SU1-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
86	Uranium 238	0.77		0.03	PCI/G	0.770
87	Uranium 238	0.69		0.02	PCI/G	0.690
88	Uranium 238	0.74		0.02	PCI/G	0.740
89	Uranium 238	0.78		0.02	PCI/G	0.780
90	Uranium 238	0.63		0.01	PCI/G	0.630
91	Uranium 238	0.62		0.02	PCI/G	0.620
92	Uranium 238	0.65		0.05	PCI/G	0.650
93	Uranium 238	0.71		0.02	PCI/G	0.710
94	Uranium 238	0.87		0.02	PCI/G	0.870
95	Uranium 238	0.67		0.01	PCI/G	0.670
96	Uranium 238	0.62		0.01	PCI/G	0.620
97	Uranium 238	0.62		0.02	PCI/G	0.620
98	Uranium 238	0.8		0.02	PCI/G	0.800
99	Uranium 238	0.71		0.02	PCI/G	0.710
100	Uranium 238	0.7		0.04	PCI/G	0.700
101	Uranium 238	0.61		0.03	PCI/G	0.610
102	Uranium 238	0.91		0.04	PCI/G	0.910
103	Uranium 238	0.67		0.03	PCI/G	0.670
SU1 U-238					Standard Deviation	0.146
					Max Result	1.010
					Cleanup Objective	2.2
					Hot Spot criteria	4.2

MDA: minimum detectable activity
J: estimated U: not detected

EXHIBIT 2

A98/133

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Actinium 227	0.23	U	0.5	PCI/G	0.230
2	Actinium 227	-0.01	U	0.5	PCI/G	0.250
3	Actinium 227	0.18	U	0.55	PCI/G	0.180
8	Actinium 227	0.01	U	0.51	PCI/G	0.010
9	Actinium 227	0.58	U	0.66	PCI/G	0.580
10	Actinium 227	0.13	U	0.55	PCI/G	0.130
11	Actinium 227	0.12	U	0.54	PCI/G	0.120
12	Actinium 227	0.14	U	0.73	PCI/G	0.140
18	Actinium 227	0.12	U	0.5	PCI/G	0.120
19	Actinium 227	0.19	U	0.6	PCI/G	0.190
20	Actinium 227	0.17	U	0.61	PCI/G	0.170
21	Actinium 227	0.19	U	0.76	PCI/G	0.190
22	Actinium 227	0.69		0.67	PCI/G	0.690
23	Actinium 227	0.1	U	0.57	PCI/G	0.100
24	Actinium 227	-0.03	U	0.39	PCI/G	0.195
25	Actinium 227	0.57	U	0.63	PCI/G	0.570
26	Actinium 227	0.15	U	0.64	PCI/G	0.150
27	Actinium 227	0.14	U	0.66	PCI/G	0.140
28	Actinium 227	0.21	U	0.65	PCI/G	0.210
SU2 Ac-227					Standard Deviation	0.180
					Max Result	0.690
					Cleanup Objective	4.600
					Hot Spot criteria	13.600

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A99/ 33

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Americium 241	0.13	U	0.21	PCI/G	0.130
2	Americium 241	0.05	U	0.22	PCI/G	0.050
3	Americium 241	0.05	U	0.22	PCI/G	0.050
8	Americium 241	-0.04	U	0.21	PCI/G	0.105
9	Americium 241	0.04	U	0.22	PCI/G	0.040
10	Americium 241	0.03	U	0.22	PCI/G	0.030
11	Americium 241	0.09	U	0.26	PCI/G	0.090
12	Americium 241	0.06	U	0.22	PCI/G	0.060
18	Americium 241	-0.08	U	0.17	PCI/G	0.085
19	Americium 241	0.22	U	0.3	PCI/G	0.220
20	Americium 241	0.05	U	0.24	PCI/G	0.050
21	Americium 241	0.32	U	0.34	PCI/G	0.320
22	Americium 241	0.07	U	0.2	PCI/G	0.070
23	Americium 241	0.02	U	0.23	PCI/G	0.020
24	Americium 241	-0.069	U	0.14	PCI/G	0.070
25	Americium 241	0.05	U	0.19	PCI/G	0.050
26	Americium 241	0.1	U	0.26	PCI/G	0.100
27	Americium 241	0.05	U	0.25	PCI/G	0.050
28	Americium 241	0.03	U	0.23	PCI/G	0.030
SU2 Am-241					Standard Deviation	0.073
					Max Result	0.320
					Cleanup Objective	63.000
					Hot Spot criteria	189.000

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A100/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Bismuth-207	0.004	U	0.088	PCI/G	0.004
2	Bismuth-207	-0.005	U	0.085	PCI/G	0.043
3	Bismuth-207	-0.011	U	0.089	PCI/G	0.045
8	Bismuth-207	-0.015	U	0.08	PCI/G	0.040
9	Bismuth-207	0.02	U	0.099	PCI/G	0.020
10	Bismuth-207	-0.006	U	0.11	PCI/G	0.055
11	Bismuth-207	-0.037	U	0.093	PCI/G	0.047
12	Bismuth-207	0.012	U	0.11	PCI/G	0.012
18	Bismuth-207	0.008	U	0.096	PCI/G	0.008
19	Bismuth-207	0.021	U	0.11	PCI/G	0.021
20	Bismuth-207	-0.046	U	0.098	PCI/G	0.049
21	Bismuth-207	-0.009	U	0.12	PCI/G	0.060
22	Bismuth-207	0.022	U	0.1	PCI/G	0.022
23	Bismuth-207	-0.002	U	0.097	PCI/G	0.049
24	Bismuth-207	0.029	U	0.075	PCI/G	0.029
25	Bismuth-207	0.045	U	0.093	PCI/G	0.045
26	Bismuth-207	-0.015	U	0.11	PCI/G	0.055
27	Bismuth-207	0.005	U	0.11	PCI/G	0.005
28	Bismuth-207	0.002	U	0.089	PCI/G	0.002
SU2 Bi-207					Standard Deviation	0.020
					Max Result	0.060
					Cleanup Objective	1.200
					Hot Spot criteria	3.600

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A10 / 138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Cesium 137	0.031	U	0.13	PCI/G	0.031
2	Cesium 137	0.045	U	0.12	PCI/G	0.045
3	Cesium 137	-0.011	U	0.14	PCI/G	0.070
8	Cesium 137	-0.01	U	0.1	PCI/G	0.050
9	Cesium 137	0.015	U	0.14	PCI/G	0.015
10	Cesium 137	0.03	U	0.16	PCI/G	0.030
11	Cesium 137	-0.01	U	0.13	PCI/G	0.065
12	Cesium 137	0.002	U	0.14	PCI/G	0.002
18	Cesium 137	-0.006	U	0.12	PCI/G	0.060
19	Cesium 137	-0.03	U	0.12	PCI/G	0.060
20	Cesium 137	-0.031	U	0.15	PCI/G	0.075
21	Cesium 137	-0.02	U	0.17	PCI/G	0.085
22	Cesium 137	0.005	U	0.14	PCI/G	0.005
23	Cesium 137	0.027	U	0.16	PCI/G	0.027
24	Cesium 137	0.022	U	0.11	PCI/G	0.022
25	Cesium 137	-0.035	U	0.099	PCI/G	0.050
26	Cesium 137	0.001	U	0.14	PCI/G	0.001
27	Cesium 137	-0.04	U	0.16	PCI/G	0.080
28	Cesium 137	0.101	U	0.18	PCI/G	0.101
SU2 Cs-137					Standard Deviation	0.030
					Max Result	0.101
					Cleanup Objective	3.800
					Hot Spot criteria	10.620

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A102/139

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Cobalt 60	0.025	U	0.14	PCI/G	0.025
2	Cobalt 60	0.028	U	0.13	PCI/G	0.028
3	Cobalt 60	0.013	U	0.14	PCI/G	0.013
8	Cobalt 60	-0.0006	U	0.14	PCI/G	0.070
9	Cobalt 60	-0.01	U	0.15	PCI/G	0.075
10	Cobalt 60	0.05	U	0.15	PCI/G	0.050
11	Cobalt 60	-0.011	U	0.14	PCI/G	0.070
12	Cobalt 60	0.039	U	0.16	PCI/G	0.039
18	Cobalt 60	-0.03	U	0.13	PCI/G	0.065
19	Cobalt 60	-0.036	U	0.13	PCI/G	0.065
20	Cobalt 60	-0.059	U	0.14	PCI/G	0.070
21	Cobalt 60	0.011	U	0.18	PCI/G	0.011
22	Cobalt 60	0.033	U	0.16	PCI/G	0.033
23	Cobalt 60	-0.06	U	0.13	PCI/G	0.065
24	Cobalt 60	-0.008	U	0.078	PCI/G	0.039
25	Cobalt 60	-0.033	U	0.15	PCI/G	0.075
26	Cobalt 60	0.042	U	0.17	PCI/G	0.042
27	Cobalt 60	0.022	U	0.19	PCI/G	0.022
28	Cobalt 60	-0.047	U	0.15	PCI/G	0.075
SU2 Co-60					Standard Deviation	0.022
					Max Result	0.075
					Cleanup Objective	0.700
					Hot Spot criteria	2.100

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A103/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Lead 210	0.7	U	2.3	PCI/G	0.700
2	Lead 210	-0.1	U	2.6	PCI/G	1.300
3	Lead 210	1	U	2.7	PCI/G	1.000
8	Lead 210	0.3	U	2.6	PCI/G	0.300
9	Lead 210	1.6	U	2.8	PCI/G	1.600
10	Lead 210	1.5	U	2.7	PCI/G	1.500
11	Lead 210	0.8	U	3.3	PCI/G	0.800
12	Lead 210	1	U	2.9	PCI/G	1.000
18	Lead 210	-0.2	U	2.2	PCI/G	1.100
19	Lead 210	0.9	U	3.2	PCI/G	0.900
20	Lead 210	0.6	U	2.8	PCI/G	0.600
21	Lead 210	0.9	U	3.7	PCI/G	0.900
22	Lead 210	0.4	U	2.5	PCI/G	0.400
23	Lead 210	0.8	U	2.9	PCI/G	0.800
24	Lead 210	1.2	U	2.2	PCI/G	1.200
25	Lead 210	1	U	2.6	PCI/G	1.000
26	Lead 210	2	U	3.2	PCI/G	2.000
27	Lead 210	0.5	U	3	PCI/G	0.500
28	Lead 210	0.3	U	3.2	PCI/G	0.300
SU2 Pb-210					Standard Deviation	0.449
					Max Result	2.000
					Cleanup Objective	7.400
					Hot Spot criteria	19.800

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A104/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Plutonium-238	50.2		0.06	PCI/G	50.200
2	Plutonium-238	4.96		0.06	PCI/G	4.960
3	Plutonium-238	10.3		0.06	PCI/G	10.300
8	Plutonium-238	7.12		0.06	PCI/G	7.120
9	Plutonium-238	0.176	J	0.058	PCI/G	0.176
10	Plutonium-238	0.106	J	0.058	PCI/G	0.106
11	Plutonium-238	14.8		0.06	PCI/G	14.800
12	Plutonium-238	1.55		0.06	PCI/G	1.550
18	Plutonium-238	0.44		0.08	PCI/G	0.440
19	Plutonium-238	35.4		0.06	PCI/G	35.400
20	Plutonium-238	1.68		0.06	PCI/G	1.680
21	Plutonium-238	20.9		0.06	PCI/G	20.900
22	Plutonium-238	2.28		0.11	PCI/G	2.280
23	Plutonium-238	0.23		0.08	PCI/G	0.230
24	Plutonium-238	0.96		0.08	PCI/G	0.960
25	Plutonium-238	1.4		0.06	PCI/G	1.400
26	Plutonium-238	2.74		0.07	PCI/G	2.740
27	Plutonium-238	0.07	U	0.094	PCI/G	0.070
28	Plutonium-238	0.174	J	0.081	PCI/G	0.174
SU2 Pu-238					Standard Deviation	13.661
					Max Result	50.200
					Cleanup Objective	55.000
					Hot Spot criteria	165.000

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A105/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Plutonium-239/240	0.48		0.04	PCI/G	0.480
2	Plutonium-239/240	0.04	J	0.027	PCI/G	0.040
3	Plutonium-239/240	0.112	J	0.044	PCI/G	0.112
8	Plutonium-239/240	0.062	J	0.046	PCI/G	0.062
9	Plutonium-239/240	0.011	U	0.029	PCI/G	0.011
10	Plutonium-239/240	-0.003	U	0.044	PCI/G	0.022
11	Plutonium-239/240	0.122	J	0.038	PCI/G	0.122
12	Plutonium-239/240	-0.002	U	0.041	PCI/G	0.021
18	Plutonium-239/240	0.006	U	0.051	PCI/G	0.006
19	Plutonium-239/240	0.35		0.05	PCI/G	0.350
20	Plutonium-239/240	0.017	U	0.051	PCI/G	0.017
21	Plutonium-239/240	0.3		0.07	PCI/G	0.300
22	Plutonium-239/240	0.043	U	0.076	PCI/G	0.043
23	Plutonium-239/240	0.002	U	0.056	PCI/G	0.002
24	Plutonium-239/240	0.008	U	0.042	PCI/G	0.008
25	Plutonium-239/240	0.027	J	0.025	PCI/G	0.027
26	Plutonium-239/240	0.013	U	0.063	PCI/G	0.013
27	Plutonium-239/240	-0.017	U	0.076	PCI/G	0.038
28	Plutonium-239/240	0.021	U	0.028	PCI/G	0.021
SU2 Pu-239/240					Standard Deviation	0.136
					Max Result	0.480
					Cleanup Objective	62.000
					Hot Spot criteria	186.000

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A1061138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Protactinium 231	2	U	2.7	PCI/G	2.000
2	Protactinium 231	1.4	U	3	PCI/G	1.400
3	Protactinium 231	1.6	U	2.9	PCI/G	1.600
8	Protactinium 231	2.2	U	3	PCI/G	2.200
9	Protactinium 231	2.7	U	3.1	PCI/G	2.700
10	Protactinium 231	1	U	3.1	PCI/G	1.000
11	Protactinium 231	0.4	U	3.4	PCI/G	0.400
12	Protactinium 231	0.7	U	3.1	PCI/G	0.700
18	Protactinium 231	0.8	U	2.8	PCI/G	0.800
19	Protactinium 231	0.7	U	3.3	PCI/G	0.700
20	Protactinium 231	0.6	U	3.2	PCI/G	0.600
21	Protactinium 231	1	U	3.7	PCI/G	1.000
22	Protactinium 231	-0.8	U	3	PCI/G	1.500
23	Protactinium 231	2.5	U	3.6	PCI/G	2.500
24	Protactinium 231	1	U	2.6	PCI/G	1.000
25	Protactinium 231	1	U	3	PCI/G	1.000
26	Protactinium 231	-0.2	U	3	PCI/G	1.500
27	Protactinium 231	2.1	U	3.9	PCI/G	2.100
28	Protactinium 231	0.5	U	3.4	PCI/G	0.500
SU2 Pa-231					Standard Deviation	0.698
					Max Result	2.700
					Cleanup Objective	4.000
					Hot Spot criteria	11.810

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2
A107/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Radium (226)	0.63		0.42	PCI/G	0.630
2	Radium (226)	0.52		0.43	PCI/G	0.520
3	Radium (226)	0.72		0.45	PCI/G	0.720
8	Radium (226)	0.66		0.45	PCI/G	0.660
9	Radium (226)	0.88		0.47	PCI/G	0.880
10	Radium (226)	0.74		0.47	PCI/G	0.740
11	Radium (226)	0.57		0.52	PCI/G	0.570
12	Radium (226)	0.87		0.49	PCI/G	0.870
18	Radium (226)	0.92		0.21	PCI/G	0.920
19	Radium (226)	0.75		0.26	PCI/G	0.750
20	Radium (226)	0.94		0.54	PCI/G	0.940
21	Radium (226)	0.63		0.57	PCI/G	0.630
22	Radium (226)	0.66		0.43	PCI/G	0.660
23	Radium (226)	0.63		0.46	PCI/G	0.630
24	Radium (226)	0.49		0.17	PCI/G	0.490
25	Radium (226)	0.6		0.39	PCI/G	0.600
26	Radium (226)	1.18		0.61	PCI/G	1.180
27	Radium (226)	0.83		0.53	PCI/G	0.830
28	Radium (226)	0.76		0.52	PCI/G	0.760
SU2 Ra-226					Standard Deviation	0.170
					Max Result	1.180
					Cleanup Objective	2.900
					Hot Spot criteria	4.700

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A108/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Strontium 90	0.23	U	0.48	PCI/G	0.230
2	Strontium 90	0.46	J	0.4	PCI/G	0.460
3	Strontium 90	-0.27	U	0.63	PCI/G	0.315
8	Strontium 90	0.22	U	0.53	PCI/G	0.220
9	Strontium 90	0.48	U	0.74	PCI/G	0.480
10	Strontium 90	1.09	U	1.3	PCI/G	1.090
11	Strontium 90	0.09	U	0.41	PCI/G	0.090
12	Strontium 90	0.42	U	0.53	PCI/G	0.420
18	Strontium 90	0.08	U	0.51	PCI/G	0.080
19	Strontium 90	0.24	U	0.51	PCI/G	0.240
20	Strontium 90	0.28	U	0.68	PCI/G	0.280
21	Strontium 90	0.79	J	0.69	PCI/G	0.790
22	Strontium 90	0.41	U	0.64	PCI/G	0.410
23	Strontium 90	0.39	U	0.66	PCI/G	0.390
24	Strontium 90	-0.09	U	0.62	PCI/G	0.310
25	Strontium 90	-0.1	U	0.87	PCI/G	0.435
26	Strontium 90	0.29	U	0.81	PCI/G	0.290
27	Strontium 90	0.33	U	0.93	PCI/G	0.330
28	Strontium 90	0.31	U	0.97	PCI/G	0.310
SU2 Sr-90					Standard Deviation	0.232
					Max Result	1.090
					Cleanup Objective	94.720
					Hot Spot criteria	282.720

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A109/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Thorium-228	1.39		0.1	PCI/G	1.390
2	Thorium-228	1		0.09	PCI/G	1.000
3	Thorium-228	1.43		0.06	PCI/G	1.430
8	Thorium-228	1.03		0.1	PCI/G	1.030
9	Thorium-228	0.94		0.12	PCI/G	0.940
10	Thorium-228	1.12		0.18	PCI/G	1.120
11	Thorium-228	0.92		0.12	PCI/G	0.920
12	Thorium-228	0.76		0.09	PCI/G	0.760
18	Thorium-228	1.02		0.11	PCI/G	1.020
19	Thorium-228	1.03		0.13	PCI/G	1.030
20	Thorium-228	1.1		0.15	PCI/G	1.100
21	Thorium-228	1.37		0.15	PCI/G	1.370
22	Thorium-228	1.25		0.2	PCI/G	1.250
23	Thorium-228	1.02		0.17	PCI/G	1.020
24	Thorium-228	0.87		0.11	PCI/G	0.870
25	Thorium-228	1.26		0.13	PCI/G	1.260
26	Thorium-228	0.91		0.08	PCI/G	0.910
27	Thorium-228	0.99		0.15	PCI/G	0.990
28	Thorium-228	0.81		0.09	PCI/G	0.810
SU2 Th-228					Standard Deviation	0.195
					Max Result	1.430
					Cleanup Objective	2.600
					Hot Spot criteria	4.800

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A110/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Thorium-230	0.88		0.04	PCI/G	0.880
2	Thorium-230	0.9		0.04	PCI/G	0.900
3	Thorium-230	1.08		0.09	PCI/G	1.080
8	Thorium-230	0.96		0.06	PCI/G	0.960
9	Thorium-230	0.84		0.08	PCI/G	0.840
10	Thorium-230	0.7		0.14	PCI/G	0.700
11	Thorium-230	0.85		0.06	PCI/G	0.850
12	Thorium-230	1.08		0.07	PCI/G	1.080
18	Thorium-230	0.9		0.07	PCI/G	0.900
19	Thorium-230	0.99		0.07	PCI/G	0.990
20	Thorium-230	1.12		0.08	PCI/G	1.120
21	Thorium-230	0.87		0.09	PCI/G	0.870
22	Thorium-230	0.83		0.12	PCI/G	0.830
23	Thorium-230	0.67		0.1	PCI/G	0.670
24	Thorium-230	0.9		0.09	PCI/G	0.900
25	Thorium-230	1.13		0.1	PCI/G	1.130
26	Thorium-230	1.19		0.07	PCI/G	1.190
27	Thorium-230	0.79		0.11	PCI/G	0.790
28	Thorium-230	0.62		0.06	PCI/G	0.620
SU2 Th-230					Standard Deviation	0.159
					Max Result	1.190
					Cleanup Objective	2.800
					Hot Spot criteria	4.600

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A111/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Thorium-232	1.03		0.08	PCI/G	1.030
2	Thorium-232	1.03		0.07	PCI/G	1.030
3	Thorium-232	1.37		0.04	PCI/G	1.370
8	Thorium-232	1		0.06	PCI/G	1.000
9	Thorium-232	0.79		0.09	PCI/G	0.790
10	Thorium-232	1.2		0.15	PCI/G	1.200
11	Thorium-232	0.92		0.1	PCI/G	0.920
12	Thorium-232	0.91		0.07	PCI/G	0.910
18	Thorium-232	0.89		0.07	PCI/G	0.890
19	Thorium-232	1.04		0.04	PCI/G	1.040
20	Thorium-232	1.29		0.07	PCI/G	1.290
21	Thorium-232	0.97		0.08	PCI/G	0.970
22	Thorium-232	0.81		0.11	PCI/G	0.810
23	Thorium-232	1.47		0.1	PCI/G	1.470
24	Thorium-232	0.99		0.07	PCI/G	0.990
25	Thorium-232	0.95		0.05	PCI/G	0.950
26	Thorium-232	1.13		0.06	PCI/G	1.130
27	Thorium-232	1.1		0.12	PCI/G	1.100
28	Thorium-232	0.91		0.04	PCI/G	0.910
SU2 Th-232					Standard Deviation	0.182
					Max Result	1.470
					Cleanup Objective	2.100
					Hot Spot criteria	3.500

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A112/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Tritium	0.41	U	0.55	PCI/G	0.410
2	Tritium	0.56	U	0.61	PCI/G	0.560
3	Tritium	0.02	U	0.62	PCI/G	0.020
8	Tritium	-0.05	U	0.63	PCI/G	0.315
9	Tritium	3.58		0.64	PCI/G	3.580
10	Tritium	8.9		0.6	PCI/G	8.900
11	Tritium	28.7		0.7	PCI/G	28.700
12	Tritium	7.3		0.6	PCI/G	7.300
18	Tritium	0.84	J	0.64	PCI/G	0.840
19	Tritium	17.7		0.6	PCI/G	17.700
20	Tritium	7.2		0.6	PCI/G	7.200
21	Tritium	43.6		0.7	PCI/G	43.600
22	Tritium	0.91	J	0.67	PCI/G	0.910
23	Tritium	0.3	U	0.77	PCI/G	0.300
24	Tritium	0.24	U	0.63	PCI/G	0.240
25	Tritium	1.76	J	0.62	PCI/G	1.760
26	Tritium	2.59		0.64	PCI/G	2.590
27	Tritium	2.32		0.66	PCI/G	2.320
28	Tritium	0.09	U	0.51	PCI/G	0.090
SU2 H3					Standard Deviation	11.545
					Max Result	43.600
					Screening Level	75.000

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A113/138

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Uranium 233/234	0.85		0.03	PCI/G	0.850
2	Uranium 233/234	0.79		0.03	PCI/G	0.790
3	Uranium 233/234	0.8		0.04	PCI/G	0.800
8	Uranium 233/234	0.88		0.04	PCI/G	0.880
9	Uranium 233/234	0.83		0.04	PCI/G	0.830
10	Uranium 233/234	0.67		0.03	PCI/G	0.670
11	Uranium 233/234	1.01		0.04	PCI/G	1.010
12	Uranium 233/234	0.92		0.05	PCI/G	0.920
18	Uranium 233/234	0.5		0.05	PCI/G	0.500
19	Uranium 233/234	0.55		0.06	PCI/G	0.550
20	Uranium 233/234	0.89		0.04	PCI/G	0.890
21	Uranium 233/234	1.16		0.05	PCI/G	1.160
22	Uranium 233/234	0.66		0.05	PCI/G	0.660
23	Uranium 233/234	0.59		0.06	PCI/G	0.590
24	Uranium 233/234	0.66		0.03	PCI/G	0.660
25	Uranium 233/234	1.19		0.03	PCI/G	1.190
26	Uranium 233/234	0.73		0.06	PCI/G	0.730
27	Uranium 233/234	0.99		0.04	PCI/G	0.990
28	Uranium 233/234	0.64		0.05	PCI/G	0.640
SU2 U-233/234					Standard Deviation	0.194
					Max Result	1.190
					Cleanup Objective	2.000
					Hot Spot criteria	3.800

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

A114/178

SU2 Offsite COC Verification Results

(all sample IDs begin with SU2-124-)

Location	Analyte	Result	Lab Qualifier	MDA	Unit	Value Used
1	Uranium 238	0.91		0.05	PCI/G	0.910
2	Uranium 238	0.83		0.04	PCI/G	0.830
3	Uranium 238	1		0.02	PCI/G	1.000
8	Uranium 238	0.96		0.04	PCI/G	0.960
9	Uranium 238	0.8		0.02	PCI/G	0.800
10	Uranium 238	0.85		0.04	PCI/G	0.850
11	Uranium 238	0.65		0.02	PCI/G	0.650
12	Uranium 238	0.82		0.03	PCI/G	0.820
18	Uranium 238	0.8		0.02	PCI/G	0.800
19	Uranium 238	0.68		0.04	PCI/G	0.680
20	Uranium 238	0.65		0.04	PCI/G	0.650
21	Uranium 238	0.9		0.05	PCI/G	0.900
22	Uranium 238	0.76		0.04	PCI/G	0.760
23	Uranium 238	0.65		0.05	PCI/G	0.650
24	Uranium 238	0.72		0.04	PCI/G	0.720
25	Uranium 238	0.78		0.03	PCI/G	0.780
26	Uranium 238	1		0.04	PCI/G	1.000
27	Uranium 238	0.84		0.03	PCI/G	0.840
28	Uranium 238	0.8		0.05	PCI/G	0.800
SU2 U-238					Standard Deviation	0.111
					Max Result	1.000
					Cleanup Objective	2.2
					Hot Spot criteria	4.2

MDA: minimum detectable activity
J: estimated U: not detetced

EXHIBIT 2

2057,38

FS05068 PRS 124
Mar/23/2006 1:25:48PM

BOUNDING SAMPLE

HEADER INFORMATION in PS300894.S0 Collected 03/23/06

< CO

Identification
User : 5288
MCArd : 4
Detector : F3
Geometry : F3
Sample :
Channels : 2048

Acquisition
Started : Mar/23/2006 1:10:44PM
Stopped : Mar/23/2006 1:25:44PM
True Time : 900.093 sec
Live Time : 900.000 sec
Dead Time : 0.01 %
Gross Count : 9488 counts
LTC : 1.0000011
Gross Rate : 10.5422 cps

Sample
Sampled from Mar/23/2006 1:10:44PM to Mar/23/2006 1:25:44PM
Sample Quantity 608 ± 121.6 g.

Energy Calibration Mar/18/2006 6:38:43AM QE300184.S0
Resolution Calibration Sep/26/2003 2:52:35PM FID3MULT.S0
Efficiency Calibration Jan/5/2004 10:11:02AM F3CALALL.S0
Isotope Library FIDLERPU.LIB Feb/21/2006 8:48:56AM

ACTIVITY INFORMATION with MDA's for PS300894.S0 Collected 03/23/06

Name	Energy keV	Activity Flag	pCi/g.	Error pCi/g.	MDA pCi/g.	Error pCi/g.
Pu-238	16.00	*	40.58	± 15.59	20.29	± 4.058
Grand Total			40.58	± 15.59		

Activity (pCi) at Mar/23/2006 1:10:44PM
Divided by Sample Quantity 608 ± 121.6 g.
Errors Quoted at 2 Sigma
MDA's Quoted at 1.645 Sigma

Flags	Meaning
*	Forced MDA from identification

EXHIBIT 2
A116/138

Recalculation of N for SU1

Sample Standard Deviation (s)	Radionuclide	Cleanup Objective	Units
0.422	Ac-227+D	4.6	(pCi/g)
0.042	Am-241	63	(pCi/g)
	Ce-141	38	(pCi/g)
0.043	Cs-137+D	3.8	(pCi/g)
0.021	Co-60	0.7	(pCi/g)
	Cu-244	92	(pCi/g)
0.805	Pb-210+D	7.4	(pCi/g)
	Np-237+D	10.4	(pCi/g)
	Ni-95	2.5	(pCi/g)
12.531	Pu-238	55	(pCi/g)
0.119	Pu-239/240	62	(pCi/g)
0.474	Pa-231+D	4	(pCi/g)
0.138	Ra-226+D	2.9	(pCi/g)
	Ra-228	2.1	(pCi/g)
0.383	Th-228+D	2.6	(pCi/g)
0.149	Th-230+D	2.8	(pCi/g)
0.32	Th-232+D	2.1	(pCi/g)
(included in U-234+D)	U-233+D	4.8	(pCi/g)
	U-234	106.1	(pCi/g)
0.378	U-234+D	2	(pCi/g)
	U-235	16.11	(pCi/g)
	U-235+D	3.2	(pCi/g)
	U-238	121.2	(pCi/g)
0.146	U-238+D	2.2	(pCi/g)
0.015	Bi-207	1.2	(pCi/g)
	Bi-210m	8.3	(pCi/g)
	Tc-99	2140	(pCi/g)
16.549	tritium	7580	(pCi/g)
0.359	Sr-90	94.72	(pCi/g)

Type I Error	0.05		
$Z_{1\text{-alpha}}$	1.645		
Type II Error	0.2		
$Z_{1\text{-beta}}$	0.842		
Effective	0.42	*(s)*	
Sign p	0.933193		

Calculate the Total Effective (s)

Estimate (N) - Sign Test

DCGL	1
LBGR	0.34
Delta	0.66
(s)	0.42
Rel Shift	1.566
(N)	10.00

Pu-238 Area Factor (N) 737

Sample Grid Spacing

SU Area	1,274.57	m^2
Grid Length	10.5	m
Grid Height	9.1	m

Sample Grid Spacing

SU Area	13705	ft^2
Grid Length	34.5	ft
Grid Height	29.8	ft

PRSs: see Item 1 of Post Ex SUD

Survey Unit: SU1

EXHIBIT 3

A117/138

Recalculation of N for SU2

Sample Standard Deviation (s)	Radionuclide	Cleanup Objective	Units
0.18	Ac-227+D	4.6	(pCi/g)
0.073	Am-241	63	(pCi/g)
	Ce-141	38	(pCi/g)
0.03	Cs-137+D	3.8	(pCi/g)
0.022	Co-60	0.7	(pCi/g)
	Cu-244	92	(pCi/g)
0.449	Pb-210+D	7.4	(pCi/g)
	Np-237+D	10.4	(pCi/g)
	Ni-95	2.5	(pCi/g)
13.661	Pu-238	55	(pCi/g)
0.136	Pu-239/240	62	(pCi/g)
0.698	Pa-231+D	4	(pCi/g)
0.17	Ra-226+D	2.9	(pCi/g)
	Ra-228	2.1	(pCi/g)
0.195	Th-228+D	2.6	(pCi/g)
0.159	Th-230+D	2.8	(pCi/g)
0.182	Th-232+D	2.1	(pCi/g)
(included in U-234+D)	U-233+D	4.8	(pCi/g)
	U-234	106.1	(pCi/g)
0.194	U-234+D	2	(pCi/g)
	U-235	16.11	(pCi/g)
	U-235+D	3.2	(pCi/g)
	U-238	121.2	(pCi/g)
0.111	U-238+D	2.2	(pCi/g)
0.02	Bi-207	1.2	(pCi/g)
	Bi-210m	8.3	(pCi/g)
	Tc-99	2140	(pCi/g)
11.545	tritium	7580	(pCi/g)
0.232	Sr-90	94.72	(pCi/g)

Type I Error	0.05		
$Z_{1\text{-alpha}}$	1.645		
Type II Error	0.2		
$Z_{1\text{-beta}}$	0.842		
Effective	0.36 (s)		
Sign p	0.964070		

Calculate the Total Effective (s)

Estimate (N) - Sign Test

DCGL	1
LBGR	0.34
Delta	0.66
(s)	0.36
Rel Shift	1.827
(N)	9.00

Pu-238 Area Factor (N) 223

Sample Grid Spacing

SU Area	385.21	m^2
Grid Length	6.1	m
Grid Height	5.3	m

Sample Grid Spacing

SU Area	4142	ft^2
Grid Length	20.0	ft
Grid Height	17.3	ft

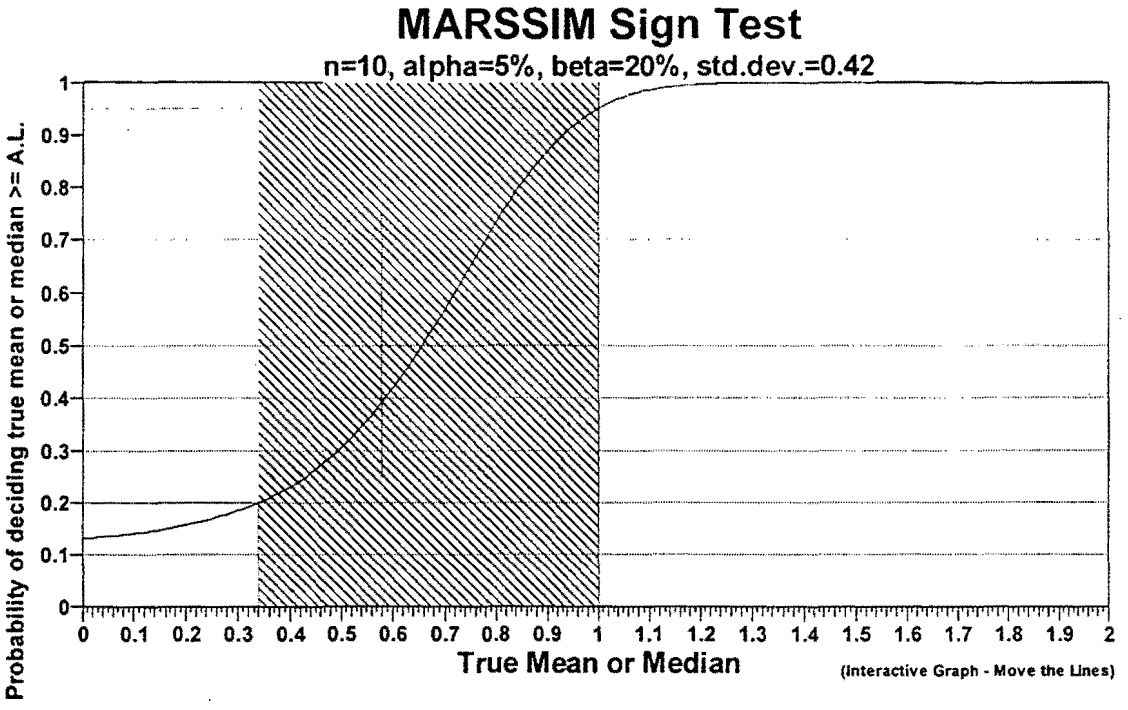
PRSs: see Item 1 of Post Ex SUD

Survey Unit: SU2

EXHIBIT 3

A1187, 1 38

Power Curve for SU1



Power Curve for SU2

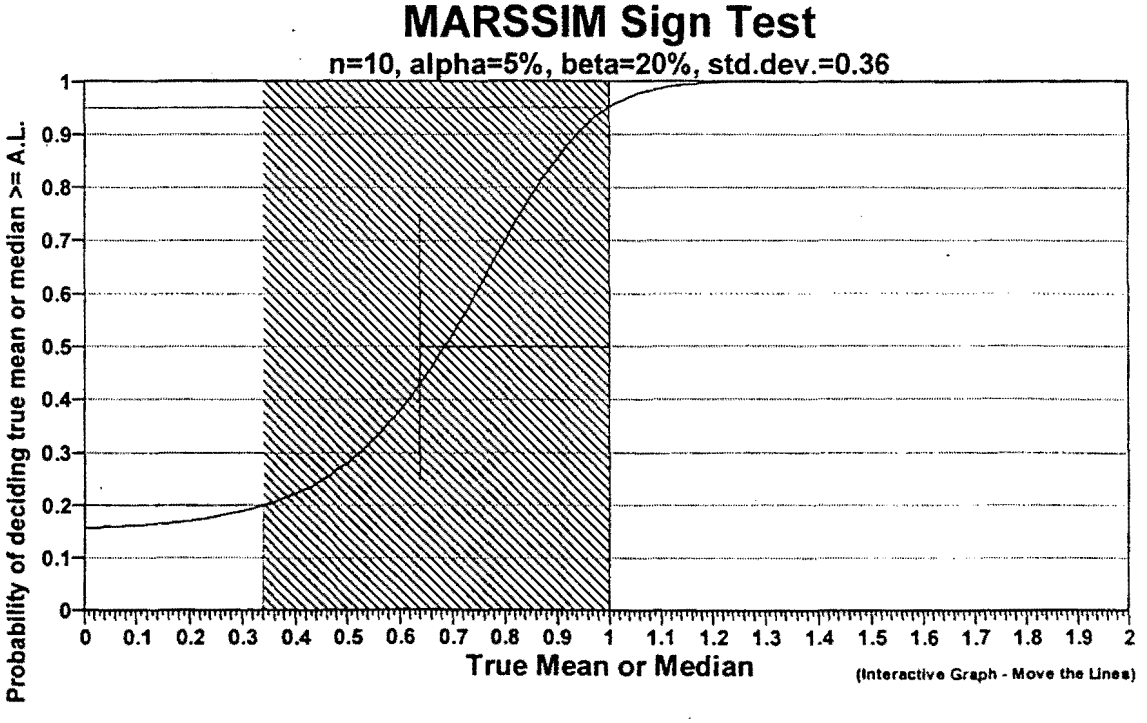


EXHIBIT 3

A119/138

ID	Activity (pCi/g) Pu-238	CO-Meas	Sign Test
29	13.3	41.700	1
30	7.02	47.980	1
31	0.87	54.130	1
32	0.82	54.180	1
33	0.036	54.964	1
34	20.8	34.200	1
35	7.45	47.550	1
36	0.98	54.020	1
37	1.48	53.520	1
38	2.28	52.720	1
39	27.4	27.600	1
40	1.07	53.930	1
41	3.61	51.390	1
42	3.05	51.950	1
43	1.54	53.460	1
44	0.45	54.550	1
46	7.13	47.870	1
47	0.69	54.310	1
48	3.44	51.560	1
49	0.157	54.843	1
50	0.3	54.700	1
51	2.32	52.680	1
52	2.25	52.750	1
53	3.31	51.690	1
54	0.035	54.965	1
55	0.66	54.340	1
56	0.014	54.986	1
57	0.129	54.871	1
58	0.031	54.969	1
59	3.2	51.800	1
62	7.01	47.990	1
63	6.93	48.070	1
66	3.86	51.140	1
67	0.61	54.390	1
68	2.31	52.690	1
69	0.303	54.697	1
70	0.068	54.932	1
71	2.76	52.240	1
72	11.1	43.900	1
73	6.45	48.550	1
74	5.98	49.020	1
75	13.6	41.400	1
76	0.89	54.110	1
77	3.32	51.680	1
78	0.53	54.470	1
79	16.5	38.500	1
80	3.73	51.270	1
81	6.33	48.670	1
82	1.4	53.600	1
83	3.78	51.220	1
84	0.56	54.440	1
85	2.13	52.870	1
86	0.094	54.906	1
87	13.2	41.800	1
88	0.222	54.778	1
89	1.02	53.980	1
90	1.5	53.500	1
91	**99**	**-44.000**	**Negative**
92	0.099	54.901	1
93	2.44	52.560	1
94	0.355	54.645	1
95	0.07	54.930	1
96	8.04	46.960	1
97	0.52	54.480	1
98	0.62	54.380	1
99	0.92	54.080	1
100	13.5	41.500	1
101	0.98	54.020	1
102	1.17	53.830	1
103	2.27	52.730	1
		Average:	5.17
		Std. Deviation:	12.53
		Median:	1.84
		Maximum:	99.00
		Cleanup Obj	55.00
		Hot Spot:	165
		N:	10
		Sum:	69
		k Crit	36
		P/F	**PASS**

Sign Test for SU1 Pu-238

RESULT = PASS

EXHIBIT 4

A120/138

	Activity (pCi/g)		
ID	U-234	CO-Meas	Sign Test
29	1.04	0.960	1
30	0.99	1.010	1
31	0.8	1.200	1
32	0.78	1.220	1
33	0.62	1.380	1
34	0.99	1.010	1
35	0.6	1.400	1
36	0.84	1.160	1
37	0.75	1.250	1
38	0.68	1.320	1
39	0.77	1.230	1
40	0.84	1.160	1
41	0.74	1.260	1
42	1.14	0.860	1
43	0.52	1.480	1
44	0.44	1.560	1
46	0.7	1.300	1
47	0.59	1.410	1
48	0.89	1.110	1
49	0.88	1.120	1
50	0.79	1.210	1
51	0.87	1.130	1
52	0.43	1.570	1
53	0.41	1.590	1
54	0.5	1.500	1
55	0.28	1.720	1
56	0.49	1.510	1
57	0.84	1.160	1
58	0.72	1.280	1
59	0.96	1.040	1
62	0.52	1.480	1
63	0.47	1.530	1
66	0.7	1.300	1
67	0.42	1.580	1
68	0.69	1.310	1
69	1.08	0.920	1
70	1.58	0.420	1
71	1.47	0.530	1
72	0.85	1.150	1
73	0.54	1.460	1
74	0.63	1.370	1
75	0.77	1.230	1
76	0.62	1.380	1
77	0.67	1.330	1
78	**2.4**	-0.400	Negative
79	1.4	0.600	1
80	0.98	1.020	1
81	0.73	1.270	1
82	0.71	1.290	1
83	0.72	1.280	1
84	0.74	1.260	1
85	0.75	1.250	1
86	0.73	1.270	1
87	**2.51**	-0.510	Negative
88	0.75	1.250	1
89	0.74	1.260	1
90	0.62	1.380	1
91	0.73	1.270	1
92	0.74	1.260	1
93	0.69	1.310	1
94	0.89	1.110	1
95	0.496	1.504	1
96	0.65	1.350	1
97	0.54	1.460	1
98	1.15	0.850	1
99	0.64	1.360	1
100	0.68	1.320	1
101	0.7	1.300	1
102	0.55	1.450	1
103	1.46	0.540	1
		Average:	0.81
		Std. Deviation:	0.38
		Median:	0.73
		Maximum:	2.51
		Cleanup Obj	2.00
		Hot Spot:	3.8
		N:	10
		Sum:	68
		k Crit	36
		P/F	PASS

Sign Test for SU1 U-233/234

RESULT = PASS

EXHIBIT 4

A121/138

95% UCL for Pu-238 at SU1

Data File

Variable: 13.3

Raw Statistics	
Number of Valid Samples	70
Number of Unique Samples	69
Minimum	0.014
Maximum	99
Mean	5.171329
Median	1.835
Standard Deviation	12.53128
Variance	157.0331
Coefficient of Variation	2.423223
Skewness	6.377122

Gamma Statistics	
k hat	0.496796
k star (bias corrected)	0.485029
Theta hat	10.40935
Theta star	10.6619
nu hat	69.55149
nu star	67.90404
Approx.Chi Square Value (.05)	49.93449
Adjusted Level of Significance	0.046571
Adjusted Chi Square Value	49.61106

Log-transformed Statistics	
Minimum of log data	-4.2687
Maximum of log data	4.59512
Mean of log data	0.363298
Standard Deviation of log data	1.789835
Variance of log data	3.203509

Normal Distribution Test	
Lilliefors Test Statisitic	0.340332
Lilliefors 5% Critical Value	0.105897
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	7.668476

Gamma Distribution Test	
A-D Test Statistic	1.072709
A-D 5% Critical Value	0.817524
K-S Test Statistic	0.129659
K-S 5% Critical Value	0.112629
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	7.032295
Adjusted Gamma UCL	7.078142

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.08686
Lilliefors 5% Critical Value	0.105897
Data are lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	14.04491
95% Chebyshev (MVUE) UCL	15.91319
97.5% Chebyshev (MVUE) UCL	19.87987
99% Chebyshev (MVUE) UCL	27.67166

95% Non-parametric UCLs	
CLT UCL	7.634949
Adj-CLT UCL (Adjusted for skewness)	8.854788
Mod-t UCL (Adjusted for skewness)	7.858746
Jackknife UCL	7.668476
Standard Bootstrap UCL	7.665524
Bootstrap-t UCL	11.09756
Hall's Bootstrap UCL	17.18551
Percentile Bootstrap UCL	7.715943
BCA Bootstrap UCL	9.2444
95% Chebyshev (Mean, Sd) UCL	11.69998
97.5% Chebyshev (Mean, Sd) UCL	14.52493
99% Chebyshev (Mean, Sd) UCL	20.074

RECOMMENDATION

Data are lognormal (0.05)

Use H-UCL

Therefore, the 95% UCL

PASSES

when compared to the cleanup objective of 55 pCi/g

EXHIBIT 4

A122/135

95% UCL for U-233/234 at SU1

Data File

Variable: 1.04

Raw Statistics	
Number of Valid Samples	70
Number of Unique Samples	49
Minimum	0.28
Maximum	2.51
Mean	0.808514
Median	0.73
Standard Deviation	0.378102
Variance	0.142961
Coefficient of Variation	0.467651
Skewness	2.659853

Gamma Statistics	
k hat	6.665262
k star (bias corrected)	6.389132
Theta hat	0.121303
Theta star	0.126545
nu hat	933.1367
nu star	894.4784
Approx.Chi Square Value (.05)	826.0487
Adjusted Level of Significance	0.046571
Adjusted Chi Square Value	824.6777

Log-transformed Statistics	
Minimum of log data	-1.27297
Maximum of log data	0.920283
Mean of log data	-0.28944
Standard Deviation of log data	0.373975
Variance of log data	0.139857

Normal Distribution Test	
Lilliefors Test Statisitic	0.214684
Lilliefors 5% Critical Value	0.105897
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	0.88386

Gamma Distribution Test	
A-D Test Statistic	2.15814
A-D 5% Critical Value	0.753021
K-S Test Statistic	0.151807
K-S 5% Critical Value	0.106573
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	0.875491
Adjusted Gamma UCL	0.876947

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.121912
Lilliefors 5% Critical Value	0.105897
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	0.869941
95% Chebyshev (MVUE) UCL	0.963057
97.5% Chebyshev (MVUE) UCL	1.032724
99% Chebyshev (MVUE) UCL	1.169572

95% Non-parametric UCLs	
CLT UCL	0.882848
Adj-CLT UCL (Adjusted for skewness)	0.8982
Mod-t UCL (Adjusted for skewness)	0.886254
Jackknife UCL	0.88386
Standard Bootstrap UCL	0.879247
Bootstrap-t UCL	0.904727
Hall's Bootstrap UCL	0.927636
Percentile Bootstrap UCL	0.886
BCA Bootstrap UCL	0.895571
95% Chebyshev (Mean, Sd) UCL	1.005501
97.5% Chebyshev (Mean, Sd) UCL	1.090738
99% Chebyshev (Mean, Sd) UCL	1.258168

RECOMMENDATION

Data are Non-parametric (0.05)

Use Student's-t UCL
or Modified-t UCL

Therefore, the 95% UCL

PASSES

when compared to the cleanup objective
of 2.0 pCi/g

EXHIBIT 4

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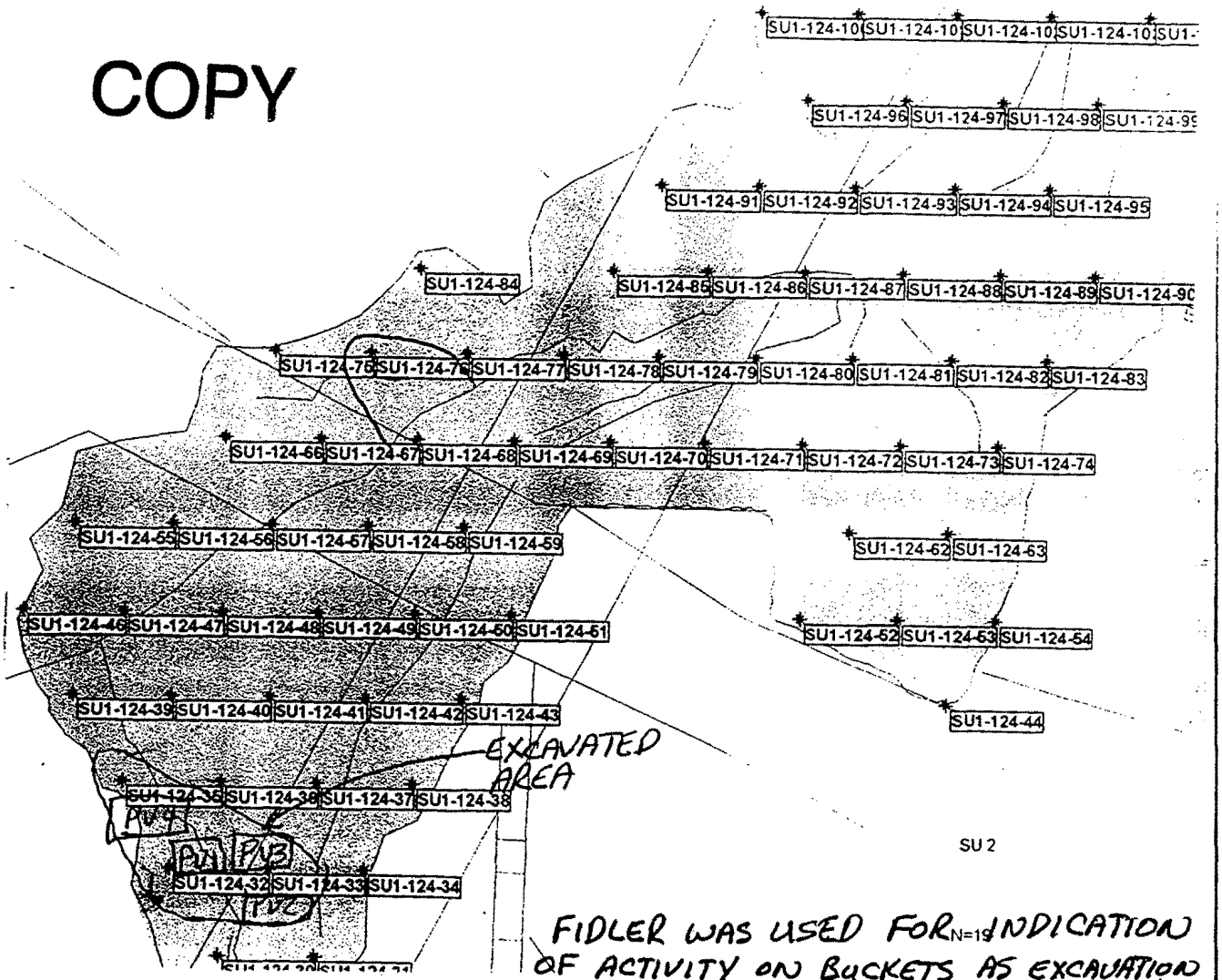
RADIOLOGICAL SURVEY DATA SHEET

(EXCERPT)

LOCATION: (BLDG. / ROOM / AREA) PRS 124	SURVEY NO 06ER068
PURPOSE: PREVERIFICATION SAMPLES OF EXCAVATION @ LOCATIONS 32,33,35,	RWP NO NA
	DATE 1-19-06
	TIME: 1600

MAP / DRAWING

COPY



FIDLER WAS USED FOR INDICATION OF ACTIVITY ON BUCKETS AS EXCAVATION PROGRESSED, WALKOVER NOT POSSIBLE/SAFE. NO SIGNIFICANT ACTIVITY NOTED, [illegible] 7760

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
—·—·— = radiological boundary
△# = mrem/hr neutron
(#) = swipe number
[#] = air sample number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
N		
		A

[redacted]

	HP# 7760	Date: 1-24-06
	HP#	Date:
	HP# 4175	Date: 1-27-06

ML-9620 (2-98) Computer Generated

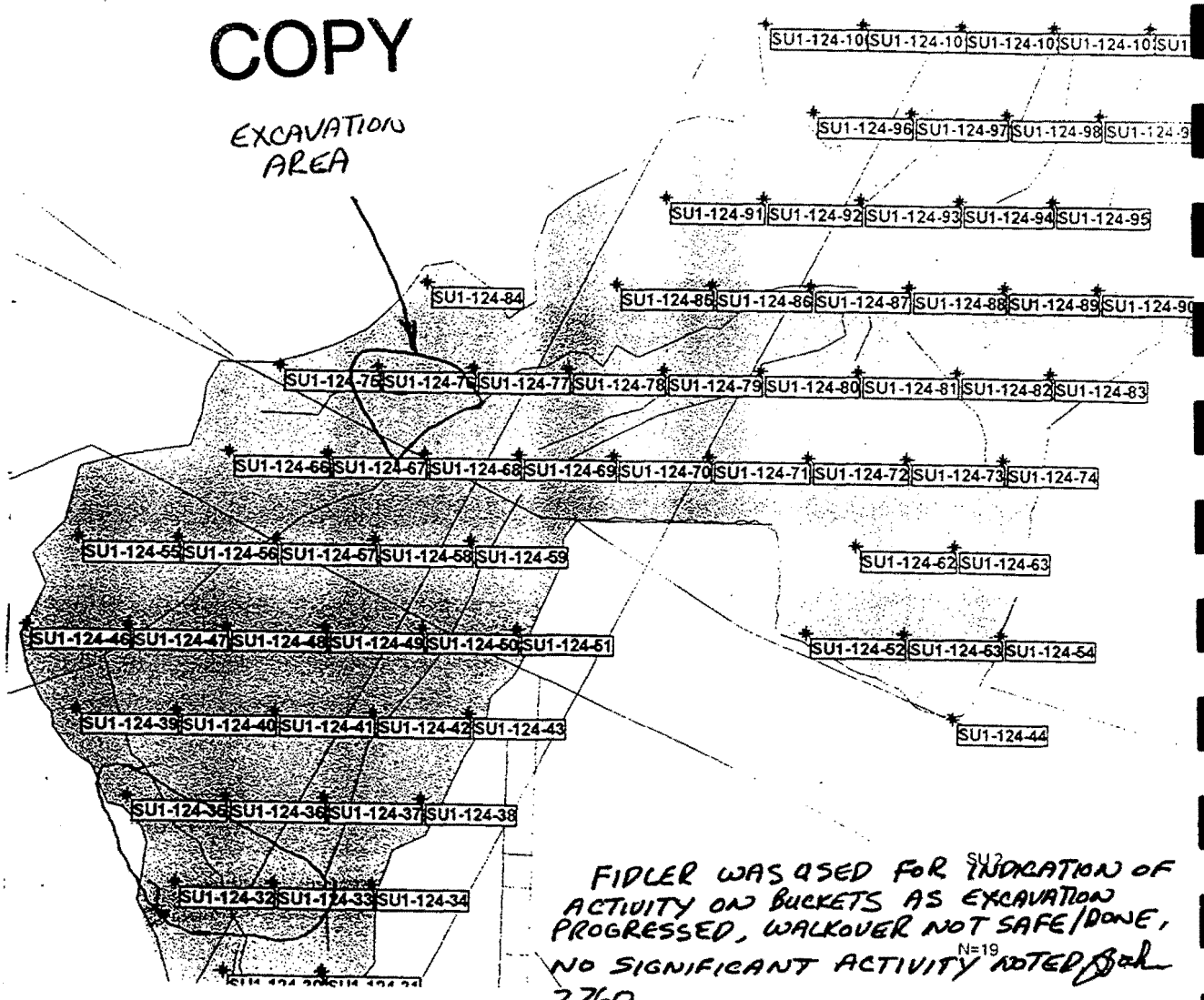
EXHIBIT 5 A124/138

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) PRS 124	SURVEY NO 06ER069
PURPOSE: PRE-VERIFICATION SAMPLES OF EXCAVATION @ LOCATION 76	RWP NO. NA
	DATE: 1-23-06
	TIME: 1600

MAP / DRAWING

COPY



FIDLER WAS USED FOR INDICATION OF ACTIVITY ON BUCKETS AS EXCAVATION PROGRESSED, WALKOVER NOT SAFE/DONE, NO SIGNIFICANT ACTIVITY NOTED
7760

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date

[redacted]

	HP#	Date:
	7760	1-24-06
	HP#	Date:
	6171	1-27-06

ML-9620 (2-98) Computer Generated

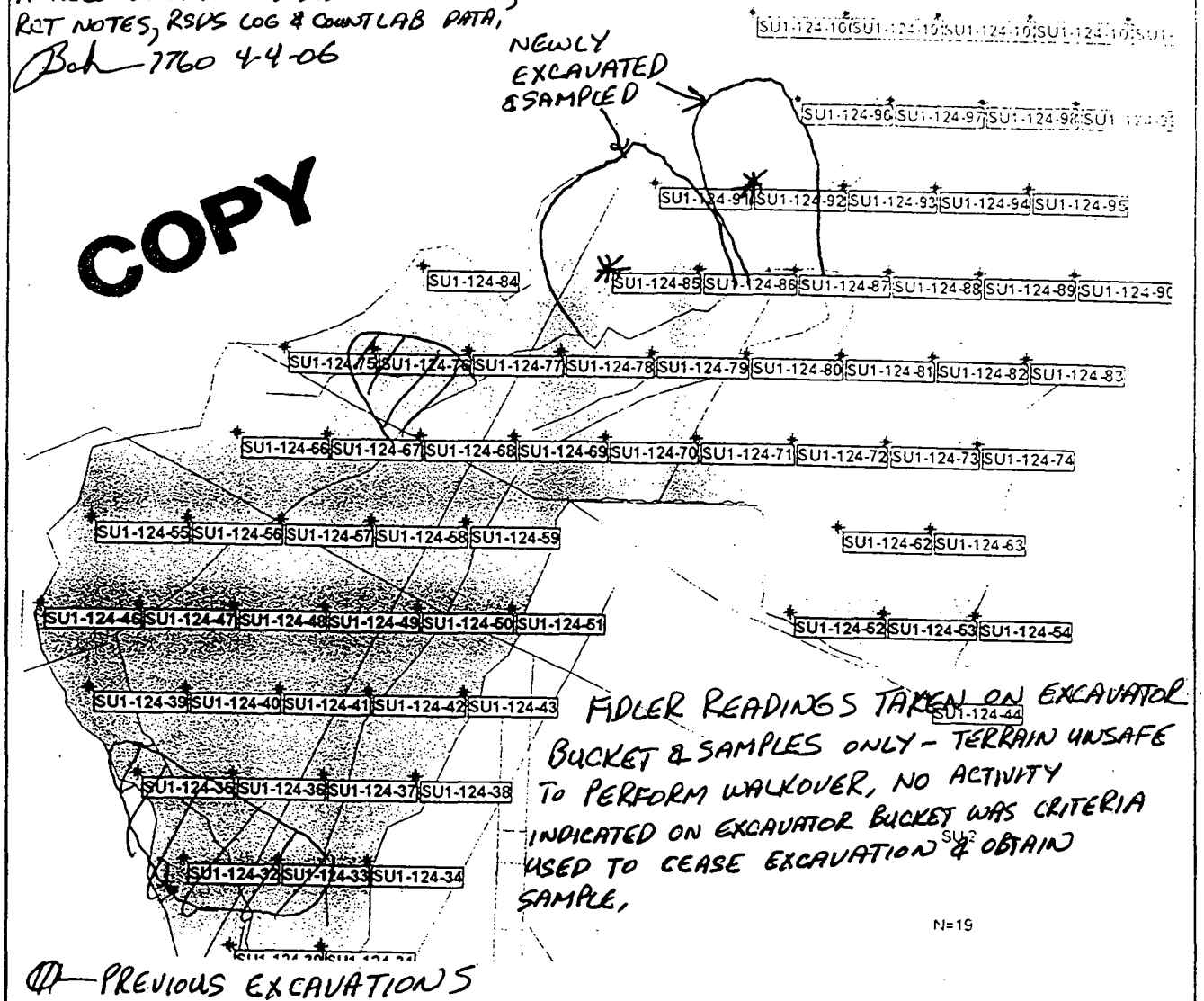
EXHIBIT 5
A125/139

RADIOLOGICAL SURVEY DATA SHEET

LOCATION (BLDG / ROOM / AREA) PRS 124	SURVEY NO 06-ER-070
PURPOSE EXCAVATE, HAUL DEBRIS & SAMPLE PVs @ LOCATIONS 85 & 92	PROJ NO NA
	DATE 1-24-06
	TIME 1550

*ORIGINAL SURVEY LOST. THIS IS A RECONSTRUCTION BASED ON LOGBOOK, RCT NOTES, RSVS LOG & COUNTLAB DATA, Bob 7760 4-4-06

MAP / DRAWING



LEGEND:
- # = mrem/hr (γ) whole body
- #E = mrem/hr (β+η+γ) extremity on contact
- K = factor of 1000
- — · — · — = radiological boundary
- △# = mrem/hr neutron
- # = air sample number
- (#) = swipe number
- (#/α) = or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
FIDLER	4118/4124	6-1-06

[redacted]

HP# 7760	Date: 4-4-06 *
HP#	Date:
5416	Date: 4-4-06

ML-9620 (2-98) Computer Generated

EXHIBIT 5
A126/138

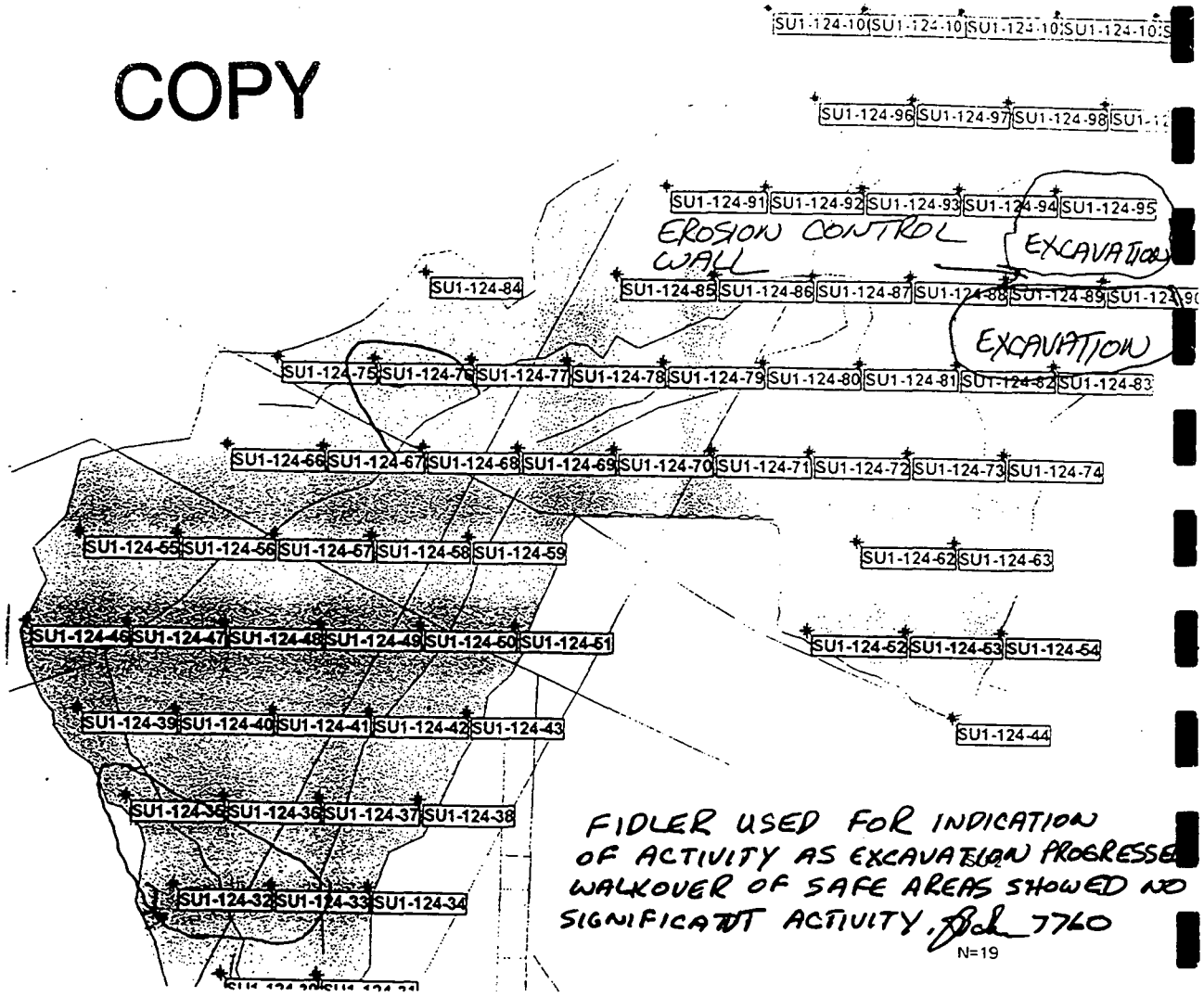
RADIOLOGICAL SURVEY DATA SHEET

(EXCER

LOCATION (BLDG / ROOM / AREA) PRS 153	SURVEY NO 06 ER 079
PURPOSE PREVERIFICATION SAMPLES @ 94 & 95 AFTER EXCAVATION	RWP NO 1698
	DATE 1-26-06
	TIME: 1545

MAP / DRAWING

COPY



FIDLER USED FOR INDICATION OF ACTIVITY AS EXCAVATION PROGRESSED WALKOVER OF SAFE AREAS SHOWED NO SIGNIFICANT ACTIVITY. 7760

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary

△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date

[redacted]

	HP# 7760	Date: 1-26-06
	HP#	Date:
	HP# 6178	Date: 1-30-06

ML-9620 (2-98) Computer Generated

EXHIBIT 5

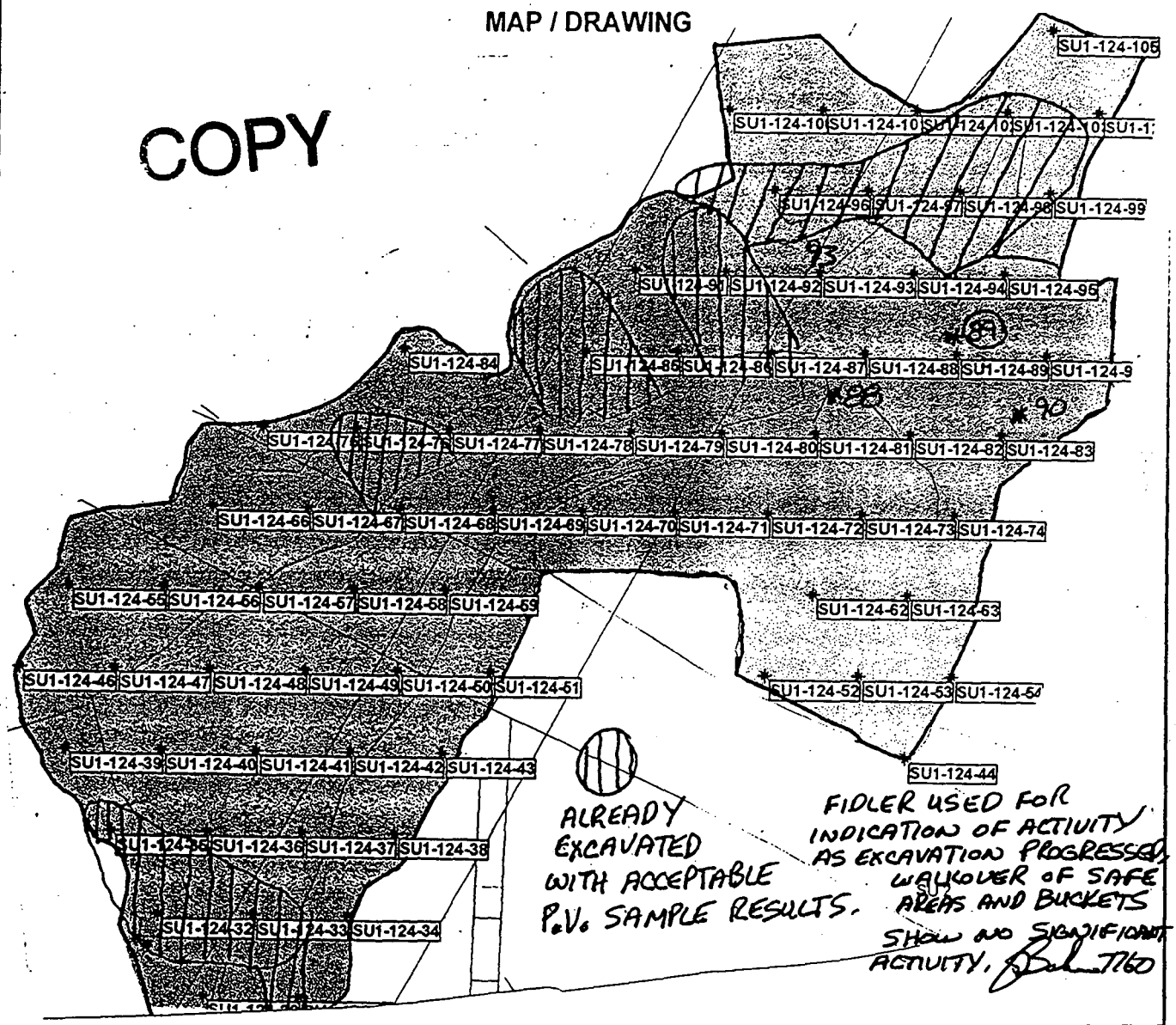
A127/139

RADIOLOGICAL SURVEY DATA SHEET

 (EXCERPT)

LOCATION: (BLDG. / ROOM / AREA) PRS 124	SURVEY NO. 06ER099
PURPOSE: PREVERIFICATION SAMPLES @ LOCATIONS 93, 88, 89, 90	RWP NO. NA
	DATE: 2-1-06
	TIME: 1320

MAP / DRAWING



LEGEND:
- # = mrem/hr (γ) whole body
- #E = mrem/hr (β+η+γ) extremity on contact
- K = factor of 1000
- —·—·— = radiological boundary
- (#) = mrem/hr neutron
- [#] = air sample number
- (#) = swipe number
- (#/α) = or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date

[redacted]

HP#	Date:
7760	2-1-06
HP#	Date:
7348	2/3/06

ML-9620 (2-98) Computer Generated

EXHIBIT 5

A128/13

APPENDIX E

DATA REVIEW & VALIDATION

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DATA VALIDATION REPORT

DOE - Mound Facility
SUD 124
Miamisburg, Ohio

Prepared for:

Terran Corporation
Project Manager: Chris Ruef

Prepared by:

Waste Science, Inc.
1411 Fallswood Drive
Potomac, MD 20854
Point of Contact: Katy Makeig
301-340-3301
www.wastescience.com

January 29, 2006

A130/135

1.0 Introduction

Analytical data can be evaluated on at least three quality control levels:

Data Review involves an assessment of the quality controls used by the laboratory during the performance of the analysis. These include such things as laboratory blanks, system monitoring compound (surrogate) recoveries, matrix spikes, etc. Which controls are assessed and what criteria are applied depend on the analysis performed. The results of field quality control measures such as field duplicates and trip blanks may also be evaluated. Data Review is normally performed on 100% of the analytical data.

Data Validation is a more detailed review of the entire laboratory data package. It includes all the elements of the Data Review plus verification of such checks as proper instrument calibration, proper use of standards and correct performance of data calculations. Data Validation is used to identify systemic problems with the way the laboratory performs and reports analyses.

Data Assessment may also evaluate whether project data quality objectives and other program needs that led to the collection of samples in the first place were met. Data assessment typically draws on the results of data validation of one or more data sets.

2.0 Description of the Data Set

This data assessment covers 111 samples collected November 14 and 21, 2005; February 16, 2006; and March 1, 2006, from the Mound facility (PRS 124) to confirm environmental compliance prior to site closure. Offsite sample analyses were performed at Severn-Trent Laboratories of Earth City (St. Louis), MO, as analytical batches (LSDG, lab sample delivery group) F5L010206, F5L010213, F5L010217, F5L010219, F6B280285, F6B280290, F6B280312 and F6C070264. Samples included 105 unique solid samples, four field duplicate pairs, and six aqueous (rinsate) samples. Seven of the field samples were designated as matrix spike (MS) samples for analytical quality control (QC) purposes (12 for tritium). This is an appropriate level of QC sampling for these checks. No MS/MSD data were reported for gamma spectrometry and Sr-90, due to method limitations. No data were qualified for this occurrence.

There were no problems associated with the documentation, shipment, or chain of custody of the samples. Analyte detection goals were achieved, except for one sample where poor chemical yield (25%) led to elevated reporting limits for thorium results (discussed below).

Table 1 summarizes the identification of the samples and the analyses performed; the analytical methods performed were:

- Alpha spectroscopy for isotopic plutonium (Pu), thorium (Th), and uranium (U) by DOE Environmental Monitoring Lab (EML) Method A-01-R, Modified.
- Gamma spectroscopy for Cesium-137 (Cs-137) and other radionuclides by EML Method GA-01-R, Modified.
- Liquid Scintillation Counting for Tritium (H-3) by EML Method H3-04-RC, Modified.

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- Gas Flow Proportional Counting for Strontium-90 (Sr-90) by EPA Method 905, Modified.

3.0 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The data qualification flags in Table 2 are used to indicate data quality problems identified during the data review process.

3.1 Tracer Recovery

The laboratory spikes every alpha spectrometry sample with a non-target isotope appropriate for that element. The percent recovery of this isotope is then used to scale the detected presence of the target isotopes. To fully meet QC criteria the isotope recovery must be between 20% and 115% and have an accumulated count of at least 200 counts. Tracer recovery in the samples met QC criteria.

3.2 Blanks

The laboratory analyzes one blank for every 20 samples or LSDG. Laboratory blanks are analyzed to determine if laboratory processes are contributing to the detected sample activities. Laboratory blanks were analyzed at an appropriate frequency.

The laboratory method blanks associated with the verification samples contained only trace contamination which did not lead to data qualification. Th-230 was found in method blanks in 7 of 8 data packages; Th-228, U-234, and U-238 were each found in two data sets at trace levels.

3.3 Laboratory Duplicate

A laboratory duplicate analysis is performed to assess the precision and accuracy of the laboratory analysis. At least one duplicate is performed for every 20 samples or LSDG. The laboratory analyzed MS/MSD samples in order to achieve this frequency; no data were qualified for these occurrences.

To meet QC criteria the relative error ratio (RER) of duplicate samples must be < 3.0, or if one or both results are nondetect.

$$RER = \frac{[\text{Sample Result} - \text{Duplicate Result}]}{[TPU^2_{sample} + TPU^2_{dup}]^{1/2}}$$

TPU: total propagated uncertainty

It is known that for Mound soils contamination is usually distributed non-homogeneously even in dried and ground samples. Divergent results obtained from analysis of second portions from the same sample, if found, are a demonstration of this fact and not of the laboratory capability for precision. Agreement was considered acceptable if both results were nondetect, or if one was nondetect and the other found at an estimated trace level. No exceedances of the relative error ratio limit for the laboratory duplicate analyses were identified.

3.4 Matrix Spike

A matrix spike (MS) analysis is performed to assess the precision and accuracy of the laboratory analysis. One matrix spike is to be performed for every 20 samples of a given matrix or at least once per LSDG. This frequency was met overall for the alpha spectrometry and tritium data, although not every LSDG collected had an MS/MSD performed. No data were qualified for this occurrence.

Matrix spike recoveries were generally within QC criteria for the target analytes, indicating significant matrix effects were only sporadically encountered. When outliers were found in the spiked samples, data qualification was limited to the sample spiked, as samples from Mound have been demonstrated to vary widely in sample matrix properties.

In the gamma spectrometry and Sr-90 data, no MS/MSD data were reported. No data were qualified for this occurrence; LCS (lab control sample)/LCSD data provided an acceptable evaluation of laboratory accuracy and other analyses at Mound indicate matrix effects in these methods were not likely.

3.5 Laboratory Control Sample

The Laboratory Control Sample (LCS) is a standard sample with a known quantity of the analyte of concern. The LCS recovery is an indication of whether the analytical process was in control during the analysis. The LCS (and, where applicable, LCS Duplicate – LCSD) recoveries were acceptable; the results demonstrated good analytical accuracy, and were analyzed at an acceptable frequency.

3.6 Equipment Rinsates

Equipment rinsates are used to ensure efficacy of equipment field decontamination procedures, and that the sample collection process is not causing cross contamination. Rinsate samples were generally free of measurable contamination, except for trace levels of Th-230 and (less commonly) U-234, which did not lead to data qualification.

For this sampling event, six aqueous (rinse) samples were collected for 105 field samples collected (i.e. excluding field duplicate QC samples). This frequency meets the 5% frequency required for this project, within rounding limits.

3.7 Field Duplicates

Field duplicates give an indication of the degree of homogeneity within the sample material. As with laboratory duplicates, they are reported as RER. Agreement between field duplicates was acceptable for all analyte pairs. Four field duplicate samples were reported for this sampling event. This frequency does not quite meet the 5% frequency required for this project, being one pair short, but data were not qualified for this occurrence.

As noted under laboratory duplicates, it is known that for Mound soils contamination is usually distributed non-homogeneously even in dried and ground samples. If divergent results are obtained from analysis of field duplicate pairs from the same sampling location, such an outlier would be a

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demonstration of this fact. Agreement was considered acceptable if both results were nondetect, or if one was nondetect and the other found at an estimated trace level. No exceedances of the relative error ratio limit for the field duplicate analyses were identified.

3.8 Other Issues

Because samples for Ra-226 analysis (gamma spectrometry) did not have a 21-day ingrowth period during analysis, the activity for Ra-226 (measured via the daughter isotope Bi-214) is an estimated value and may be biased low. As a result, all detected Ra-226 data are qualified "J" as estimated and all nondetect results are qualified "UJ" as nondetect at an estimated (biased low) reporting limit.

Consistent with standard laboratory practice, detected results that were found below the required reporting limit were qualified as estimated by the laboratory. These results have inherently poor precision, as they are close to the analytical detection limit. The qualifiers were retained during data validation, and pose no significant limitation to data usability.

Both nondetect and, less commonly, detected results were encountered where the uncertainty was greater than the absolute value of the result; these were qualified "UJ" and "J" respectively ("UJ" for a nondetect at an estimated reporting limit; "J" for an estimated concentration), as the sample count may be less than the background reading in such cases. These instances did not result in data rejection; the results may be used as estimated values.

4.0 Data Validation

The results of 10% of samples in each LSDG were fully data validated. In addition to the items discussed above, the following items were evaluated:

1. Instrument calibration
2. Daily Source checks
3. Background and efficiency measurement
4. Proper frequency and use of blanks
5. All calculations

No additional qualification resulted from this assessment. There was no indication of a systemic deficiency.

5.0 Certification

Based upon this review the analytical data may be used as presented with no further qualifications. 100% completeness for the analyses was obtained, with the exception of Ra-226, for which rejection of the data for one rinsate sample resulted in completeness of 99.3%.

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Table 1
Sampling Information

Field Sample ID	Laboratory ID	Alpha Spectro-metry	Gamma Spectro-metry	H – 3	Sr - 90	QC Check?
000526	F5L010206-001					
000527	F5L010206-002					
000528	F5L010206-003					
000531	F5L010206-004					MS / MSD
000535	F5L010206-005					MS/MSD H-3 only
000536	F5L010206-006					
000537	F5L010206-007					
000538	F5L010206-008					
000539	F5L010206-009					
000540	F5L010206-010					
000541	F5L010206-011					
000543	F5L010206-012					
000544	F5L010206-013					
000545	F5L010206-014					
000546	F5L010206-015					
000547	F5L010206-016					
000548	F5L010206-017					
000549	F5L010206-018					
000550	F5L010206-019					
000551	F5L010206-020					
000552	F5L010213-001					
000553	F5L010213-002					
000554	F5L010213-003					
000555	F5L010213-004					FDup of 0632
000556	F5L010213-005					MS / MSD
000559	F5L010213-006					MS/MSD H-3 only
000560	F5L010213-007					
000563	F5L010213-008					
000564	F5L010213-009					
000565	F5L010213-010					
000566	F5L010213-011					
000567	F5L010213-012					
000568	F5L010213-013					
000569	F5L010213-014					
000570	F5L010213-015					
000571	F5L010213-016					
000572	F5L010213-017					
000573	F5L010213-018					
000574	F5L010213-019					
000577	F5L010213-020					

KEY:
MS/MSD = The sample was also analyzed spiked for QC purposes.
FDup XXX = The sample is a field duplicate of sample number XXX
= Analysis was performed for that sample.
= Sample is an aqueous (rinsate) sample.

(Table continues next page)

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Field Sample ID	Laboratory ID	Alpha Spectro-metry	Gamma Spectro-metry	H - 3	Sr – 90	QC Check?
000578	F5L010217-001					
000580	F5L010217-002					
000581	F5L010217-003					
000588	F5L010217-004					
000595	F5L010217-005					
000596	F5L010217-006					MS / MSD
000597	F5L010217-007					
000598	F5L010217-008					MS/MSD H-3 only
000599	F5L010217-009					
000600	F5L010217-010					
000603	F5L010217-011					
000604	F5L010217-012					
000605	F5L010217-013					
000610	F5L010217-014					
000611	F5L010217-015					
000612	F5L010217-016					
000613	F5L010217-017					
000614	F5L010217-018					
000620	F5L010217-019					
000621	F5L010217-020					FDup of 0634
000622	F5L010219-001					
000623	F5L010219-002					
000624	F5L010219-003					
000625	F5L010219-004					
000626	F5L010219-005					
000627	F5L010219-006					
000628	F5L010219-007					
000629	F5L010219-008					MS / MSD
000630	F5L010219-009					
000632	F5L010219-010					FDup of 0555
000634	F5L010219-011					FDup of 0621
	F5L010219-012					Rinsate of 00526
	F5L010219-013					MS / MSD
	F5L010219-014					Rinsate of 00581
	F5L010219-015					Rinsate of 00622

KEY:
MS/MSD = The sample was also analyzed spiked for QC purposes.
FDup XXX = The sample is a field duplicate of sample number XXX
= Analysis was performed for that sample.
= Sample is an aqueous (rinsate) sample.

(Table continues next page)

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Field Sample ID	Laboratory ID	Alpha Spectro-metry	Gamma Spectro-metry	H - 3	Sr - 90	QC Check?
001082	F6B280285-001					
001083	F6B280285-002					
001084	F6B280285-003					
001085	F6B280285-004					
001086	F6B280285-005					MS / MSD
001087	F6B280285-006					
001088	F6B280285-007					
001089	F6B280285-008					
001090	F6B280285-009					
001091	F6B280285-010					
001092	F6B280285-011					
001093	F6B280285-012					
001094	F6B280285-013					
001095	F6B280285-014					
001096	F6B280285-015					
001097	F6B280285-016					
001123	F6B280285-017					FDup of 1097
001098	F6B280285-018					
001099	F6B280285-019					
001100	F6B280285-020					
001101	F6B280290-001					
001102	F6B280290-002					
001103	F6B280290-003					
001104	F6B280290-004					
	F6B280290-005					Rinsate of 1104
001105	F6B280290-006					MS / MSD
001106	F6B280290-007					
001107	F6B280290-008					
001109	F6B280290-009					
001110	F6B280290-010					
001111	F6B280290-011					
001112	F6B280290-012					
001124	F6B280290-013					FDup of 1112
001113	F6B280290-014					
001115	F6B280290-015					
	F6B280290-016					Rinsate of 1115
001116	F6B280290-017					
001117	F6B280290-018					
001118	F6B280290-019					MS/MSD H-3 only
001119	F6B280290-020					

KEY:

MS/MSD	= The sample was also analyzed spiked for QC purposes.
FDup XXX	= The sample is a field duplicate of sample number XXX
	= Analysis was performed for that sample.
	= Sample is an aqueous (rinsate) sample.

(Table continues next page)

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Table 1, Concluded
Sampling Information

Field Sample ID	Laboratory ID	Alpha Spectro-metry	Gamma Spectro-metry	H - 3	Sr - 90	QC Check?
001120	F6B230312-001					
001121	F6B230312-002					
001122	F6B230312-003					
001131	F6C070264-001					
001132	F6C070264-002					
001133	F6C070264-003					

KEY:
MS/MSD = The sample was also analyzed spiked for QC purposes.
FDup of XXXXXX = The sample is a field duplicate of sample number XXXXXX
= Analysis was performed for that sample.
= Sample is an aqueous (rinsate) sample.

Table 2 - Data Review Qualifications

Flag	Description
J	Estimated sample result
U	Non-detect sample result
UJ	Non-detected sample result at an estimated reporting limit
R	Rejected (unusable) sample result

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ATTACHMENT B

GENERAL MEDIA INFORMATION

(There was no information released to the media regarding the subject PRSs)

ATTACHMENT B

GENERAL MEDIA INFORMATION

(There was no information released to the media regarding the subject PRSs)