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U-004-307 .5

FEED MATERIALS PRODUCTION CENTER SAMPLING AND ANALYSIS REPORT, VOL 2 OF 2, DRAFT, DOE, OAK RIDGE OPERATIONS OFFICE OAK RIDGE, TN - (USED AS A REFERENCE IN OU 2 RI REPORT)

06/00/88

DOE-ORO
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REPORT

Feed Materials Production Center

Sampling and Analysis Data Document

This document contains uninterpreted sampling and analytical data. The data will be interpreted by the DOE Environmental Survey Team and used with the tentative Survey findings contained in the Environmental Survey Preliminary Report. Final Survey findings will be contained in the Environmental Survey Interim Report.

DRAFT PART 2

DEPARTMENT OF ENERGY

ENVIRONMENTAL SURVEY

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Feed Materials Production Center

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DRAFT PART 2

DEPARTMENT OF ENERGY

ENVIRONMENTAL SURVEY

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APPENDIX A

ANALYTICAL PROCEDURE SUMMARIES

APPENDIX A

ANALYTICAL PROCEDURE SUMMARIES

Sample Preparation of Sediments, Sludges and Soils (for furnace AA, flame AA, or ICP)

Determination of Percent Solids

Mercury Analysis - Water (manual)

Mercury Analysis - Sediment

ICP Methods

AAS Furnace Methods

Toxicity Characteristic Leaching Procedure (TCLP) for Inorganic Contaminants (RCRA)

Determination of Fluoride in Solids

Determination of Uranium in Soils, Sediments, and Sludges

Determination of Uranium in Waters

Determining Isotopic Composition of Uranium or Plutonium by Thermal Ionization Mass Spectrometry

Obtaining Gamma Spectra of Environmental Samples

Gross Alpha and Beta Radioactivity

Sample Preparation and Separation of Plutonium and Thorium from Solid and Liquid Environmental Samples for Analysis by Alpha-Spectrometry

Analysis of PCBs in Soil, Sediment, Oil and Aqueous Media

Radium-226 and Radium-228 Determination in Water and Soil Samples Using NaI Detector and Least-Squares Processing of Data

Method for the Determination of Organic Compounds Collected Using TENAX-GC Traps

References for Volatile and Semi-Volatile Fraction Analysis Procedures Subcontracted to Hazleton Laboratories America, Inc.

Sample Preparation of Sediments, Sludges and Soils (for furnace AA, flame AA, or ICP)

A representative 1 g (wet weight) sample is digested in nitric acid and hydrogen peroxide. The digestate is then refluxed with either nitric acid or hydrochloric acid. Hydrochloric acid is used as the final reflux acid for the furnace AA analysis of Sb, the flame AA or ICP analysis of Al, Sb, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Ag, Na, Ti, V and Zn. Nitric acid is employed as the final reflux acid for the furnace AA analysis of As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, Ag, Ti, V and Zn.

Excerpted from:

CLP SOW 785
Attachment 1

Determination of Percent Solids

The sample is weighed in a tared container and then dried to constant weight in a drying oven. Data is calculated and reported on a dried weight basis.

Excerpted from:

CLP SOW 785
Attachment 9

Mercury Analysis - Water (Manual)

This procedure is a physical method based on the absorption of radiation at 253.7 nm by mercury vapor. Organic mercury compounds are oxidized with potassium permanganate and potassium persulfate and the mercury is reduced to the elemental state and serated from solution in an open system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrophotometer. Absorbance (peak height) is measured as a function of mercury concentration and recoded in the usual manner.

Excerpted from:

CLP SOW 785
Attachment 5

Mercury Analysis - Sediment

This procedure measures total mercury (organic and inorganic) in solids, sediments, bottom deposits and sludge type materials.

A weighted portion of the sample is acid digested for 2 minutes at 95°C, followed by oxidation with potassium permanganate and potassium persulfate. Mercury in the digested sample is then measured by the conventional sold vapor technique.

Excerpted from:

CLP SOW 785
Attachment 6

ICP Methods

This method describes a technique for the simultaneous or sequential multielement determination of trace elements in solution. The basis of the method is the measurement of atomic emission by an optical spectroscopic technique. Samples are nebulized and the aerosol that is produced is transported to the plasma torch where excitation occurs. Characteristic atomic-line emission spectra are produced by a radio-frequency inductively couple plasma (ICP). The spectra are dispersed by a grating spectrometer and the intensities of the line are monitored by photomultiplier tubes. The photocurrents from the photomultiplier tubes are processed and controlled by a computer system. A background correction technique is required to compensate for variable background contribution to the determination of trace elements. Background must be measured adjacent to analyte lines on samples during analysis. Corrections for interferences must be made.

Dissolved elements are determined in filtered and acidified samples. Elements in solid samples are determined after digestion procedures are performed.

Excerpted from:

CLP SOW 785
Attachment 3

AAS Furnace Methods

Samples are in an acid matrix suitable for analysis. The solutions, or dilutions of them, blanks, and calibration standards and control standards are poured into vials that are inserted into the autosampler rack. The instrument is programmed to transfer an aliquot from the vial to the hollow graphite tube in the furnace and to take a matrix modifier aliquot if required. The furnace program evaporates the aliquot to dryness, ashes and atomizes it. The absorption of the radiation from a hollow cathode or electrodeless discharge lamp by the atoms in the light path is proportional to the concentration of the element being determined.

Excerpted from:

CLP SOW 785
Attachment 2

Toxicity Characteristic Leaching Procedure (TCLP) for Inorganic Contaminants (RCRA)

1. **Scope and Application**

The TCLP is designed to determine the mobility of both organic and inorganic contaminants present in liquid, solid, and multiphase wastes.

If a total analysis of the waste demonstrates that individual contaminants are not present in the wastes, or that they are present but at such low concentrations that the appropriate regulatory thresholds could not possibly be exceeded, the TCLP need not be run.

2. **Summary of Method**

2.1 For wastes containing less than 0.5% solids, the waste, after filtration, through a 0.6-0.8 m glass fiber filter, is defined as the TCLP extract.

2.2 For wastes containing greater than 0.5% solids, the liquid phase, if any, is separated from the solid phase and stored for later analysis. The particle size of the solid phase is reduced (if necessary), weighed, and extracted with an amount of extraction fluid equal to 20 times the weight of the solid phase. The extraction fluid employed is a function of the alkalinity of the solid phase of the waste. Following extraction, the liquid extract is separated from the solid phase by 0.6-0.8 m glass fiber filtration.

2.3 If compatible (e.g., precipitate or multiple phases will not form on combination), the initial liquid phase of the waste is added to the liquid extract and these liquids are analyzed together. If incompatible, the liquids are analyzed separately and the results are mathematically combined to yield volume weighed average concentration.

2.4 The TCLP extract will be prepared and analyzed after acid digestion for As, Ba, Cd, Cr, Pb, Se, and Ag by ICP-AES. Hg is determined directly on the TCLP extract by cold vapor AAS.

Excerpted from:

SOP: ACL-023

Determination of Fluoride in Solids

Fluoride is separated from complex and insoluble materials by heat and steam. This pyrohydrolysis carries the vaporized fluoride as an acid through a condenser to a receiver. The concentration of fluoride in the receiver can be calculated after measuring the change in potential of a fluoride specific electrode due to the addition of a known amount of fluoride.

The pyrohydrolytic method for the separation of fluoride from inorganic materials containing alkaline and alkaline-earth metals is aided by a mixture of reactive oxides that function as a flux. A superheated moist carrier gas speeds the quantitative volatilization of the fluoride to a receiver containing the ionic buffer necessary for measuring the fluoride activity.

The known addition method of determining the fluoride concentration eliminates the uncertainties due to complexing species and to variable background ionic compositions. Determining the slope of the fluorice specific electrode equates to calibration. The slope is virtually constant.

Excerpted from:

SOP: ACL-025

Analysis of PCBs in Soil, Sediment, Oil and Aqueous Media

At the time the samples were obtained for analysis, the CLP methods were not in place. The analysis of these samples was understood to be a screening method for PCBs using CLP "equivalent" extraction procedures when appropriate since some of the samples did not conform to CLP sample types.

The samples in an oil solvent matrix were dissolved in hexane. The resulting solution is dried if necessary, subjected to a Florisil Sep-Pak cleanup, and prepared for injection in a GC equipped with an electron capture detector (ECD).

The soil samples were extracted using a sonic bath instead of a sonic probe as specified in the CLP medium level extraction procedure. One liter of the water sample was extracted with dichloromethane using a separatory funnel. The extracts are dried and concentrated, exchanging the dichloromethane with hexane in the concentration step to a volume of 10 mL or less.

The GC was equipped with a DB-5 Fused Silica Capillary Column (FSCC) on which the quantitations were made. Confirmations were made on a DB-1701 FSCC. As a check, samples were also run on a SP2100 3% packed column. Results were calculated using an external standard approach.

QC included a blank for each of the three matrices. Duplicates and matrix spikes were not run. An NBS certified QC sample was analyzed with the samples.

Excerpted from:

Quality Assurance
Document No. C-0030-0265

Determination of Uranium in Soils, Sediments, and Sludges

The soil sample is ignited in a muffle furnace to burn off organic material. The uranium is solubilized by acid leaching. The fluorescence of the uranyl ion produced by pulsed laser radiation in the ultraviolet is enhanced by the addition of a reagent called "Fluran" (a proprietary pyrophosphate reagent of the Scintrex Company). A scintrex UA-3 Uranium analyzer is used to measure the fluorescence differentially, i.e., readings are taken before and after the addition of Fluran and the concentration of uranium determined using the standard addition technique. The electronic system of the UA-3 analyzer is gated to accept signals from the photodetector after the fluorescence from any organic species has decayed to zero.

Excerpted from:

SOP: ACL-032

Determination of Uranium in Waters

Water samples preserved when collected in the field with HNO_3 to pH <2 generally do not require any treatment before analysis. The fluorescence of the uranyl ion produced by pulsed laser radiation in the ultraviolet is enhanced by the addition of a reagent called "Fluran" (a proprietary pyrophosphate reagent of Scintrex Company). A Scintrex UA-3 Uranium analyzer is used to measure the fluorescence differentially, i.e., readings are taken before and after the addition of Fluran and the concentration of uranium determined using the known addition technique. The electronic system of the UA-3 analyzer is gated to accept signals from the photodetector after the fluorescence from any organic species has decayed to zero.

Excerpted from:

SOP: ACL-029

Determining Isotopic Composition of Uranium or Plutonium by Thermal Ionization Mass Spectrometry

1. Scope and Application

This procedure directs the operations involved in measuring, by Thermal Ionization Mass Spectrometry (TIMS), uranium or plutonium isotope ratios, and the use of these measured ratios for computing the relative abundance of each isotope in a particular sample. It is applicable to any sample from which a sufficient quantity of the element of interest may be isolated in suitably pure form to satisfy the sample-loading requirements of the mass spectrometer employed for the measurements. The procedure presumes that the element of interest has been previously isolated from the sample matrix and is submitted for TIMS analysis in the form of a nitrate salt or in dilute nitric acid solution.

2. Summary of Method

2.1 Purified samples of the element of interest are received in the TIMS laboratory after being separated from the sample matrix and converted to the nitrate form. Isotopic standards are kept in the laboratory as solutions (1.0 ± 0.1 mg U/mL or 50 ± 10 μg Pu/mL in 0.8 N HNO_3), stored in Teflon bottles.

2.2 Samples in the form of dried nitrate salts are dissolved in 0.8 N HNO_3 to provide a concentration similar to that of the corresponding standards.

2.3 An aliquot of the sample or standard solution containing a prescribed mass of the element to be analyzed is deposited onto an appropriate refractory-metal mass spectrometer filament. For uranium, 1.0 ± 0.2 μg is deposited in a Ta filament; for Pu, 25 to 50 ng is deposited on a Re filament.

2.4 The solution of the filament is evaporated to dryness and oxidized by passing a current through the filament. A programmable dryer is used to control the drying procedure.

2.5 The loaded sample filament is incorporated (together with a second, blank, sample filament of the same refractory metal and a rhenium ionizing filament) into a triple-filament ionization assembly for subsequent insertion into the TIMS source.

2.6 Up to 16 ionization assemblies are inserted into the source chamber of a VG Isotopes, Model Isomass 54R, mass spectrometer system.

2.7 The mass-spectrometer source chamber is evacuated, and each ionization assembly is, in turn, taken through a filament-degassing sequence.

2.8 Sample identification information is entered into the mass-spectrometer-system computer, appropriate automated-analysis procedures are assigned to each sample in the source chamber, and the automated measurement sequence is initiated.

2.9 Each sample in the source chamber is individually analyzed, under full computer control. The analysis sequence includes (1) setting the temperature of the ionizing filament to provide a prescribed current intensity for Re^+ ions (m/e - 185, 187); (2) increasing the temperature of the sample filaments, in a preset manner, until a prescribed total ion current from all isotopes of the element of interest is achieved; (3) measuring, in a prescribed sequence, the ion-current intensity for each individual isotope in the element of interest; and (4) computing and recording the ratio of the ion-current intensity from the peak corresponding to each isotope to that from a designated reference peak. Steps (3) and (4) of the analysis sequence are repeated a prescribed number of times and the individually measured ion-intensity ratios are averaged

2.10 The average ion-intensity ratios obtained from analysis of the sample are corrected, for bias associated with isotopic fractionation during the analysis, to provide corrected atom ratios of each isotope to the reference isotope. Fractionation corrections are established from analysis of isotopic standard reference materials that are analyzed under the same conditions as the samples.

2.11 Atom-percent abundances of the individual isotopes are computed from the corrected atom ratios. If weight-percent abundances of the isotopes are to be reported, each corrected atom ratio is converted to a corresponding corrected weight ratio by multiplying it by the ratio of nuclidic masses for the isotopes involved. The weight-ratio values.

Excerpted from:

SOP: ACL-030

Obtaining Gamma Spectra of Environmental Samples

A 10% Ge(Li) detector, interfaced with a multichannel analyzer is used to obtain a gamma spectrum of a sample contained in a Nalgene bottle. This spectrum is transferred to a VAX computer which processes the data using the computer code GAMANAL. The GAMANAL program contains gamma-ray libraries and detector efficiency curves which permit the identification and quantification of gamma-emitting radionuclides.

The scope of this method includes anything that contains or is a gamma emitting radionuclide. The method can be applied to soils, waters, etc. providing the sample can be condensed or reduced in size such that it can be placed in a calibrated geometry for counting.

Gross Alpha and Beta Radioactivity

1. Scope and Application

1.1 This method is applicable to waters and other liquids providing the sample will yield a residue of not greater than 5 mg/cm^2 on the counting planchet.

1.2 The method is applicable to the measurement of alpha emitters having energies above 3.9 MeV and beta emitters having maximum energies above 0.1 MeV.

2. Summary of Method

2.1 An aliquot of a liquid is transferred quantitatively to a tared 2-in. counting planchet. The sample residue is dried to a constant weight, reweighed to determine the dry residue weight, and then counted for alpha and/or beta radioactivity.

2.2 Counting efficiencies for both alpha and beta particle activities are selected according to the amount of residue (mg/cm^2) from counting efficiency versus sample solids standard curves.

Excerpted from:

SOP: ACL-095

Sample Preparation and Separation of Plutonium and Thorium from Solid and Liquid Environmental Samples for Analysis by Alpha-Spectrometry

1. Scope

This method is used to prepare solid and liquid environmental samples for determination of fallout levels of plutonium and thorium. The method details the chemical separation of these radionuclides from the prepared samples for analysis by alpha-spectrometry. Neptunium may also be separated for analysis assuming its chemistry follows that of plutonium.

2. Summary

Plutonium and thorium standards (^{235}Pu, ^{242}Pu, ^{229}Th) are added to a solid or liquid sample as tracers. Selection of the isotopic tracer will be dependent upon the nature of the sample. After sample preparation, the isotopes of interest are chemically separated from the sample by anion exchange chromatography and electrodeposition in preparation for alpha-counting.

Excerpted from:

SOP: ACL-031

Radium-226 and Radium-228 Determination in Water and Soil Samples Using NaI Detector and Least-Squares Processing of Data

1. Scope

Solid or liquid samples are prepared for gamma counting on a NaI automatic can counter. Data accumulated are stored on floppy disks and transferred to Argonne's main frame IBM computer hard disk. The least-squares program, maintained by H. Lucas (BIM), is then used to determine the Ra-226 and Ra-228 concentrations. Sensitivity of this method is 0.5 pCi/L when a 20 L volume of water is used and 0.03 pCi/g for soil samples.

2. Summary of the Method

A water sample, preferably 20 liters, is acidified with hydrochloric acid to a pH of approximately 3. The water is processed through a mixture of Dowex ion-exchange resins. The resin is sealed in a metal can and aged before counting on the NaI detector.

Soil analysis is performed by sealing a known amount of soil in a metal can, aging it for approximately thirty days, and counting it on a NaI detector.

In either case, the data is processed by the Least-Squares Gamma Spectra Analysis Program.

Excerpted from:

SOP: ACL-108

Method for the Determination of Organic Compounds Collected Using Tenax-GC Traps

1. Scope

This method is designed to qualitatively analyze trace organic compounds collected and concentrated on a trap containing the packing Tenax-GC. The Tenax-GC trap (hereafter referred to as the trap) consists of a 25-cm stainless steel tube 0.32-cm in diameter and packed as described in EPA Method 601 for purgeable chlorinated organic compounds. Trace levels of organic compounds are collected by drawing a known volume of air across the trap at relatively low flow rates (1 to 3 L/min) to prevent breakthrough, thereby allowing them to be efficiently adsorbed onto the packing material. The trapped organic compounds are desorbed by ballistically heating the trap while backflushing it with helium to sweep the compounds to a cryotrap where the desorbed species are focused before injection into a gas chromatograph. There they are separated before detection by a mass spectrometer.

2. Summary of the Method

The exposed trap is inserted in the purge and trap apparatus and ballistically heated to mobilize the adsorbed organic compounds which are cryofocused at a point just before the GC column. This point is ballistically heated and the compounds are swept to the GC column where they are separated before being detected by a mass spectrometer. The GC/MS software is used to identify the compounds found and estimate of their concentration, is made from analysis of a multicomponent purgeable standard as described in the SOP.

Excerpted from:

Draft SOP

APPENDIX B

SAMPLING AND ANALYTICAL REQUESTS

1. Fernald Feed Material Production Center: Preliminary Sampling Analysis requirements, June 26, 1986. 49 pages.

2. U.S. Department of Energy Telecommunication Messages from Chris Grundler, U.S. Department of Energy to Steve Ballou, Argonne National Laboratory. Aug. 7, 1986. 3 pages.

3. U.S. Department of Energy Telecommunication Message from Chris Grundler, U.S. Department of Energy to Steve Ballou, Argonne National Laboratory. Aug. 7, 1986. 20 pages.

4. Facsimile Transmission from Mike Malloy, NUS Corp. to Dr. Ballou, Argonne National Laboratory. Aug. 18, 1986. 10 pages.

5. U.S. Department of Energy, Environment, Safety and Health Office of Environmental Audit, Environmental Survey Report: Feed Materials Production Center, Fernald, Ohio. March 1987.

From [illegible]
July [illegible]
McCann

As Agreed by Dif, Mc, Flynn
7/9/84

FERNALD

FEED MATERIAL PRODUCTION CENTER:

PRELIMINARY SAMPLING & ANALYSIS

REQUIREMENTS

Org.
Metals
Radionuclides

Received July!

June 26, 1986

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: Pilot Plant
Date: 6/26/86

Requester: M.C. Malloy
Media: Liquid/Solid (PCBs)

Sample No.	Sample Location	Analytical Parameters	Special Instructions
4	Tanks T5 and T6 Hazardous Waste Tanks containing 1,1,1 TCA & PCBs outside Pilot Plant access ports on top	PCBs (site gol < 5ppb)	Check liquids and sludges; particularly sludge in "dirty" solvent tank.

Note: Coordinate sampling with RCRA sample requests.

Will be sampled anyway — but be sure to analyze for asbestos

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: Waste Pit Areas/South Field/Around Site
Date: 6/26/86
Requester: M.C. Malloy
Media: Liquid/Sludge/Soils (Asbestos)

Priority	Sample No.	Sample Location	Analytical Parameters	Special Instructions
low	10	Pits 1,2,3,4	Asbestos	Soil Samples in the Pit areas & waste Area in General.
low	4	Pits 5,6	Asbestos	Liquid/Sludge
Med	20	South Field/old Fly Ash Pile	Asbestos	Soil
High	10	Miscellaneous Rubble Piles Around Site	Asbestos (Visual inspection)	Soil
		Note: Samples should be coordinated with RCRA/CERCLA requests & handled as an "add-on" analytical parameter		

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: Oil Incinerator / Plat 8 (Box Furnace)
Date: 6/24/86
Requester: M.C. Malloy
Media: Drummed Liquids / Sludges (PCBs)

Priority

	Sample No.	Sample Location	Analytical Parameters	Special Instructions
gh	5-10 20 Composite?	Drums of used oil/solvent behind old oil burning incinerator	PCBs	Liquids/Sludges (one a two samples from trench around storage area)
gh	5	Drums of used oil/solvent near Box Furnace in Plant 8	PCBs	Liquids/Sludges

Note: Coordinate with Air/Rad Sampling Requests see p(5)

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: Active Flyash Pile
Date: 4/26/86

Requester: M.C. Malloy
Media: Soils (PCBs)

Sample No.	Sample Location	Analytical Parameters	Special Instructions
6	Active Flyash Pile (no coring but auger and behind and on edges of pile)	PCBs	Soil Sample at shallow depths to detect PCBs. (used waste oil to control dust)

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: 8
Date: 6-26-86

Requester: H. FIRSTENBERG
Media: AIR
Sample Drums

Sample No.	Sample Location	Analytical Parameters	Special Instructions
High 30 (5-6)	NEAR BOX FURNACE in Plant 8	PRIORITY POLLUTANTS TOTAL ORGANIC HALOGENS	APPROXIMATELY 30 (55 GAL) DRUMS - SUMP SLUDGES (GRAB)
	SEE p. 3		

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: 5
Date: 6-26-86

Requester: H. FIRSTENBERG
Media: AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
1	EP 5-261 Electrostatic Precipitation Stack	U TSP Mo F (Site samples twice/week)	ISOKINETIC SAMPLE FOR COMPARISON (WEIGHT AND COMPOSITION) WITH REGULAR SAMPLE. COLLECTION TIME - ONE WEEK. Check with Firstenberg re plant schedule for sampling - duration & location

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: #5
Date: C-24-85

Requester: CRIST
Media: AIR

Priority	Sample No.	Sample Location	Analytical Parameters	Special Instructions
high	10 days	SELECTED LOCATION ABOVE ROCKWELL FURNACES	U Mg-METAL MgO MgF F	LO VOL AIR SAMPLER TO DETERMINE COMPOSITION OF FUMES RELEASED DURING BREAKOUTS. SAMPLE SHOULD BE CHANGED DAILY. Must be operating

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: 9
Date: 6-26-86

Requester: CRISX
Media: AIR

Priority	Sample No.	Sample Location	Analytical Parameters	Special Instructions
High	1	EP-9-1 Electrostatic Precipitator Port - available?? Stack	TOTAL ORGANIC CARBON TOTAL ORGANIC HALIDES U Organics U Particulates ?? Organics ? Ark Jac Cried	STACK SAMPLE OF EMISSIONS AFTER NON-FUNCTIONAL PRECIPITATOR. CONTINUOUS - COLLECTION TIME - ONE WEEK

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: 1
Date: 6-26-86

Requester: CRIST
Media: AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
4	SURROUNDING DRUM CONTAINING AREA Based on results of ~~pre~~ Survey Grab sampling	Pb U Mg F	SAMPLE FROM ROADS AROUND PLANT 1. GRAB - COLLECTED BY SWEEPING 6-TO-12 INCH SECTION ACROSS ROAD see what we find in Grab results.

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: ALL
Date: 6-26-86

Analysis Required

Requester: DAUGHERTY
Media: ~~AIR~~ RAD

Priority

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Sample No.	Sample Location	Analytical Parameters	Special Instructions
	ALL SOILS AND WASTE SAMPLES REQUESTED BY OTHERS	U GAMMA SCAN	

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FLY ASH DISPOSAL
Date: 6-26-86

Requester: DAUGHERTY
Media: AIR-RAD

Priority

Sample No.	Sample Location	Analytical Parameters	Special Instructions
High 8	EACH FLY ASH PILE (old & new)	U GAMMA SCAN	MINIMUM OF 4 REPRESENTATIVE SAMPLES FROM EACH PILE GRAD

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: VARIOUS
Date: 6-26-96

Requester: CRIST
Media: AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
50	PAVED PLANT ROADS	U Mg F	SELECTED LOCATIONS AROUND PLANTS 1,5,4,8,9 AND ROADS NEAREST FENCE. (RAD) COLLECT SAMPLE BY SWEEPING 6-TO-12 INCH SECTION ACROSS ROAD
10			

form check w/ Joe Crist
check w/ [illegible]

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FERNALD PITS
Date: 6-26-86

Requester: CRIST
Media: AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
50 (EST)	PAVED AREAS NEAR DISPOSAL PITS (INCLUDING ACCESS ROADS)	U Mg F (1.500 12)	GRAB SAMPLES FROM PADS AND ROADS. Sweepings
10			

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: AREA
Date: 6-26-86

Requester: CARL YATES
Media: RAD-AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
50 (APPROX.)	AREA SURROUNDING PLANT	GAMMA SPEC. Pu Th U	BROAD LEAF VEGETATION AND MILK SAMPLES FROM AREAS NEAR PLANT – check on rationale with Yates (Mike Malloy) to do it.

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: AREA Paddy's Run ? **Requester:** YATES
Date: 6-26-86 **Media:** RAD-AIR

Sample No.	Sample Location	Analytical Parameters	Special Instructions
50(EST.)	PLANT AREA	GAMMA SPEC. Pu TH U	SPLIT SAMPLES FROM FMPC SEDIMENT SAMPLING - WEEK OF 6-23-86 ? His - Mike to check with Yates

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: ALL
Date: 6-26-86

Analysis request

Requester: DBUCHERTY
Media: RAD - WATER

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	ALL WATER SAMPLES REQUESTED BY OTHERS	U GAMMA SCAN	

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FERNALD
Date: 6-26-86

Requester: R.E. TARBERT
Media: SURFACE WATER

Sample No.	Sample Location	Analytical Parameters	Special Instructions
1 2 3 4 5	NPDES LOCATION 001 " " 001A " " 001B " " 001C " " 001D	Form 2-C Parameters plus Radionuclides	at 001 and 0010 be sure to collect unfiltered samples
6 7	Controlled Sump @ Plant 5 " " " " 6	Form 2-C Parameters plus Radionuclides	If flow is present collect effluent from filters to storm sewer. If there is no flow collect sample in the sump
8	002	Form 2-C Parameters	Sample at the outfall when there is no overflow from the storm sewer lift station
9	Drainage Ditch South of clearwell	Form 2-C Parameters plus Radionuclides	get samples during storm event and at time when ground water seepage would be present
10	14" Pipe East of Outfall 002	Form 2-C Parameters	

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. Alvarado
Media: RCRA

priority

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	Pit #4 - CORING PIT FOR RCRA (Constituents 75' deep	RCRA EP TOXIC SCAN (less Arsenic) F002, F003 TOTAL URANIUM ~~Gross α & Gross β~~ TOTAL VOLATILES VOLATILE ORGANIC SCREENS THORIUM RADIUM	TLP method? check w/ Region I EPA Lab re: whether to use EP Toxic or TLP method ASAP - G. Jessup familiar w/ this method.

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. Alexandro
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	Pit #5 - SAMPLE BOTTOM SLUDGE UNIFORMLY TO GET REPRESENTATIVE SURVEY OF AREA	RCRA EP TOXIC SCAN (LESS PESTICIDES) F002, F003 TOTAL URANIUM GROSS α & GROSS β TOTAL VOLATILES	
	Pit #5 WATER JUST ABOVE SURFACE OF SLUDGE MID DEPTH	BARIUM	

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. ALEXANDRO
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	CLEMSON	AS PIT #5	
	SANITARY LANDFILL	ASBESTOS, PCB, URANIUM, THORIUM	

HG

000035

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. ALEXANDRO
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	Pit 6	As PIT 5	

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: 8
Date: 6/26/86

Requester: P. ALEXANDER
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	PLANT 8		
	Rotating Feed Box BURNER FEED	RCRA EP TOXIC SCAN (LESS PESTICIDES) IGNITABILITY, CORROSIVITY, REACTIVITY* PCB	SAMPLE DRUMS OR MATERIAL THAT ARE INPUT MATERIAL (see above p 5)
	OXY 1 FEED	AS ABOVE	
	OXY 2 FEED	AS ABOVE	Want to identify feed streams that may lead to RCRA waste
	CALCINER	AS ABOVE	
	ROTARY KILN	AS ABOVE	- ends up in NTS drums
	Drum washing station - caustic		

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. ALEXANDRO
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	PLANT 1 - DRUM PAINTING BOOTH	F002, F003 RCRA EP TOXIC (LESS ASBESTOS) IGNITABILITY, CORROSIVITY, REACTIVITY*	SAMPLE THE WASTE STREAM FROM THE PAINT BOOTH THAT IS DISCHARGED TO A LIQUID DUMPSTER FOR TRANSPORT TO PLANT 8
	PLANT 1 STORAGE PAD DRAINAGE	TOTAL URANIUM, THORIUM 232, RADIUM, PLUTONIUM	Sediment(?)
	PLANT 6 WASTEWATER TREATMENT SYSTEM - OIL PHASE DECANT THAT IS TAKEN FROM THE TREATMENT + DECANT TANK (SUMP)	F002, F003 IGNITABILITY, CORROSIVITY, REACTIVITY*	CAN TAKE FROM APPROPRIATE DRUMS OF THE WASTE STREAM
	PLANT 6 SUMP CAKE FROM 4000 GAL NEUTRALIZATION TANK		

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant:
Date: 6/26/86

Requester: P. Alexandro
Media: RCRA

Sample No.	Sample Location	Analytical Parameters	Special Instructions
(low)	Pilot Plant Tanks sludge	PCB T5 & T6	see p. 1
(med)	Main Lab Sump Sludge (Analytical or Tech.)	CP Toxic (less pesticides) Volatile Scan	

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2A

0000029

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

~~Plant:~~ Rubble Piles, including Southfield & Track ~100 piles
Date: 6/24/86
Drums ~30 piles

Requester: G. Kelly
Media: rubble surrounding soil

(hand augers & test pits – see D. Riddle)

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	see attachment Some drums (not marked on attachment) are located in rubble pile areas	Total uranium radionuclides (9) RCRA EP Tox (Volitile screen) – not critical asbestos HNU & OVA empty in drums	need detail on how & how many soils flexible, recon screen (access east of fence?)

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WESTON

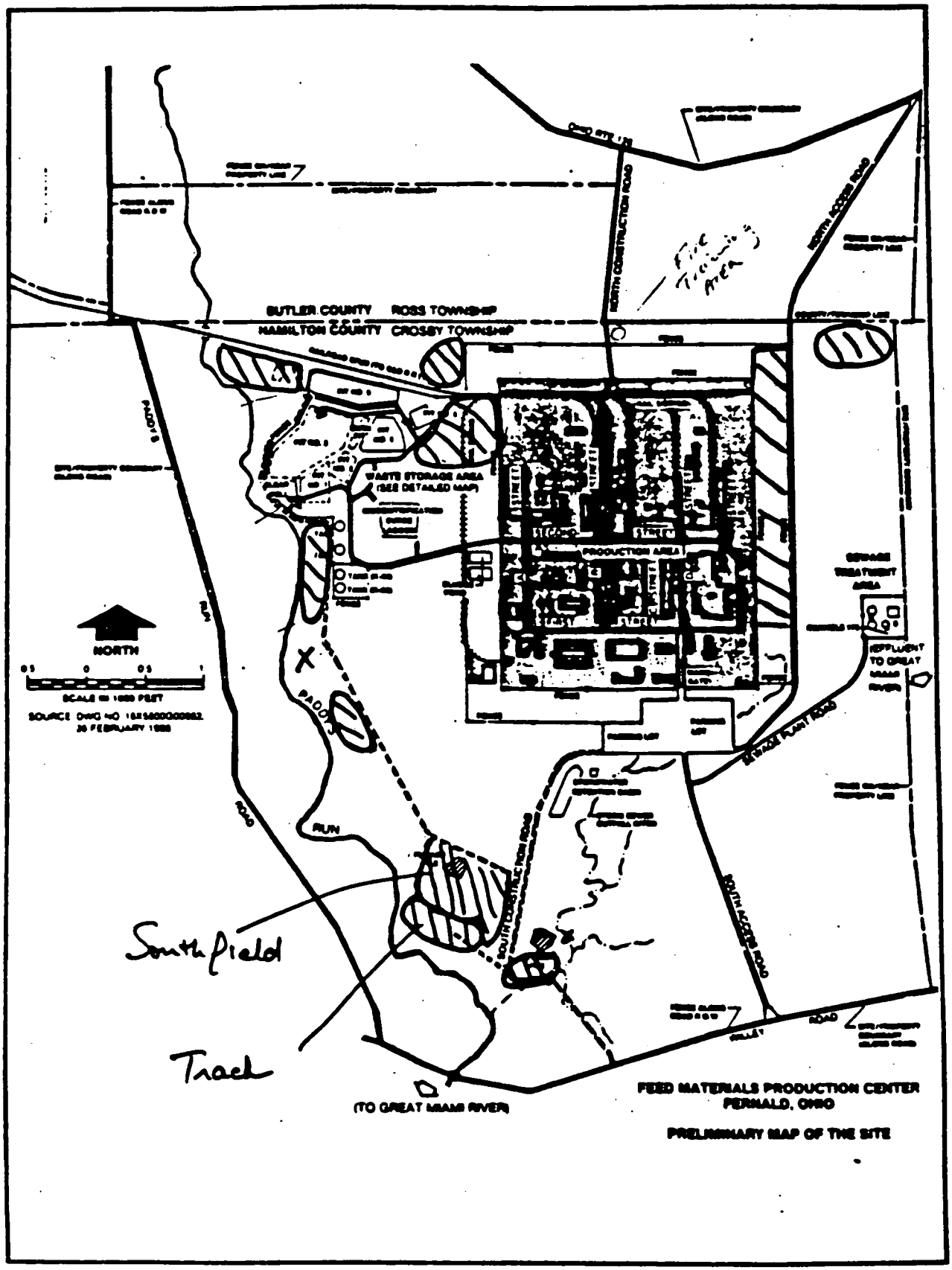

FIGURE 2-1 PRELIMINARY MAP OF THE SITE
FEED MATERIALS PRODUCTION CENTER, FERNALD, OHIO

Rubble Piles ▨ 2-2 Drums X

ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Site: Fly Ash Piles Active & Inactive

Date: 6/26/86

Requestor: G Kelly

Media: flyash surrounding soils (boring - see D. Riddle's)

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	see attachment locating rubble piles area of inactive flyash disposal could be greater than indicated	total U 9 radionuclides RCRA EP tox inactive pile include volitile screen — asbestos	need clarification on how & how many to catch contaminated oil used to control dust see also 2 & 3

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

~~Plant:~~ Storm Sewer Outfall Ditch (SSOD) **Requester:** G Kelly
Date: 6/20/86 **Media:** Surface Water (if any flow)
Sediment

Sample No.	Sample Location 4	Analytical Parameters for both media unless noted	Special Instructions
	• at dam		
	• at outfall 002 D.T.	[illegible]	?
	• upstream of flyash pile	total U	
		γ radionuclides	
	• downstream before discharge to Paddy's Run	RCRA EP tox — only sediment	
		Volitile screen	
		halogenated hydrocarbons, ~~[illegible]~~, total organic carbon, and other RCRA and primary drinking water parameters — only water —	exclude pesticides, α & β. ~~[illegible]~~

000073

Low | (GMR) • [illegible] of outfall and
and | • downstream of confluence with Paddy's Run
| (PR)

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: Paddy's Run
Date: 6/26/86

Requester: G. Kelly
Media: Surface Water (if any flow) + 3
Sediment 6 + 3

Sample No.	Sample Location 6	Analytical Parameters	Special Instructions
Note: 3 ditches into Paddy's Run	• at northern site boundary	total U	sediment & water
	• just downstream of ditch running east-west just north of Pit #5	9 radionuclides	sediment & water
		RCRA EP tox	only sediment
	• just downstream of Clearwell (upstream of ditch running east-west just north of silos)	key • RCRA and primary drinking water parameters	only water see SSOD parameters
	• just upstream of SSOD discharge	Volitile screen	sediment & water
	• downstream of SSOD discharge		
	• downstream of where	g.w. recharge area ends	

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6.5 4 1

00024

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

~~Plant:~~ Ditch north of Pit #5 **Requester:** G. Kelly
Date: 6/26/86 **Media:** sediment & surface water (if any flow)
3

Sample No.	Sample Location 3	Analytical Parameters	Special Instructions
4/	• upstream of landfill • ~~up~~ down stream of landfill (upstream of Pit #5) • just upstream of discharge to Paddy's Run	see SSOD runs E-W along north of Pit #5	screening (mouths of trib.)

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SAMPLING REQUEST FORM

Plant: Clearwell, Pit #5 and Pit #6

Requestor: G Kelly

Date: 6/26/86

Media: Surface Water 4 + 2 + 2 = 8
Sediments — multi depth 1 + 2 + 2 =

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	Clearwell • discharge to clearwell - NW corner • runoff discharge to clearwell - NE corner • water off pier • sediment off pier • effluent D. Tarbert	See SSOD parameters	
	Pit #5 • water near influent • sediment near influent • water off pier • sediment off pier		
	Pit #6 • water SW side • sediment SW side • water NE side		

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DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Pits 1, 2 & 3 and Burnpit

Date: 6/26/86

Requestor: G. Kelly

Media: Borings

M.I.M.
Doug R.
— see D. Riddle's plan —

Sample No.	Sample Location 10	Analytical Parameters	Special Instructions
	See attachment	total uranium radionuclides (9) RCRA EP tox volitile screen	Read details on how

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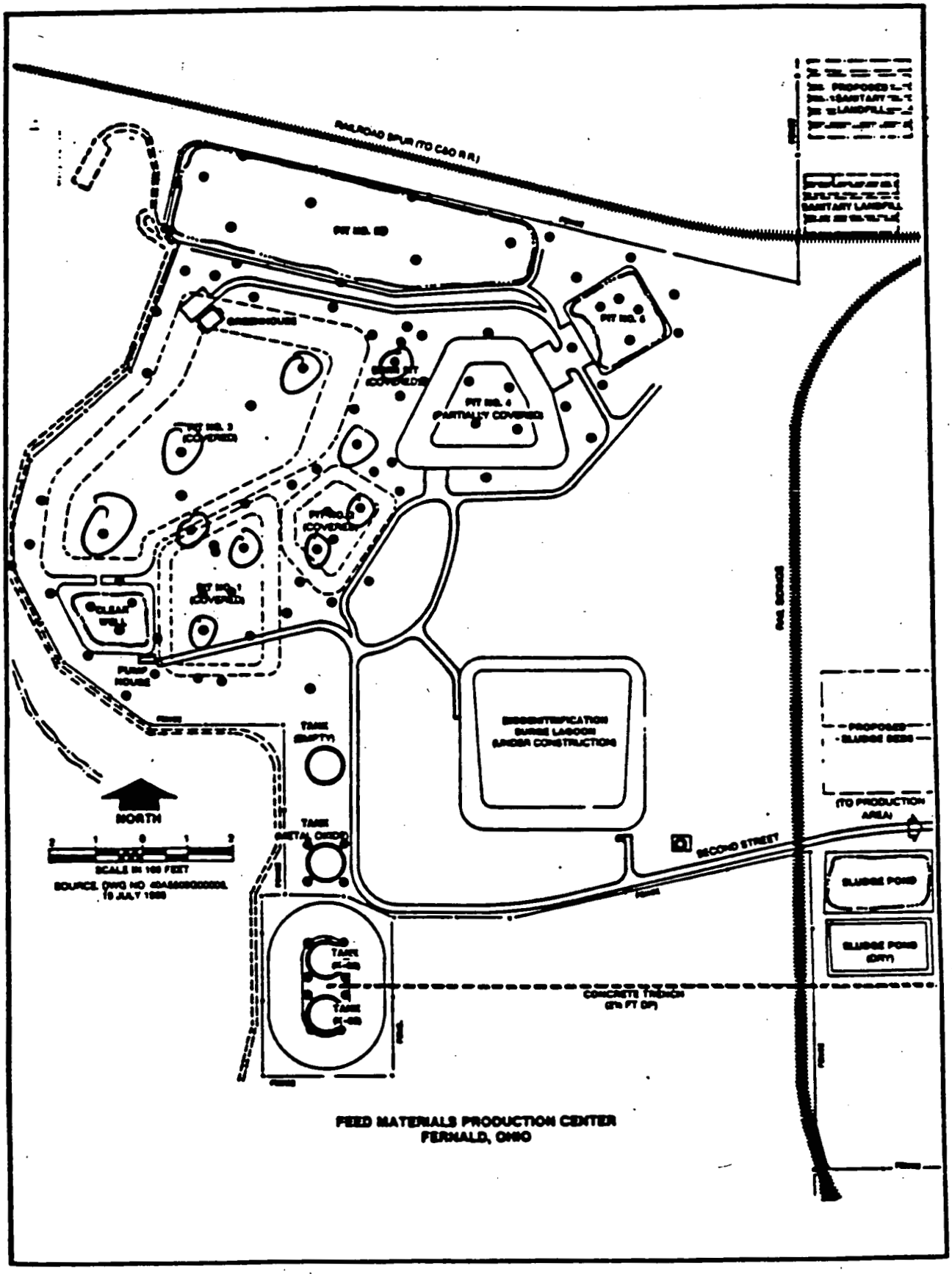

FEED MATERIALS PRODUCTION CENTER
FERNALD, OHIO

FIGURE 2-4 SUBSURFACE SOIL SAMPLING LOCATIONS IN WASTE STORAGE AREA

DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Tanks near Pit #4

Requestor: G Kelly

Date: 6/26/86

Media: to be determined
liquid and/or sludge

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	See attachment	total U radionuclides (9) volatile scan RCRA EP tox for sludge key RCRA and primary drinking water parameters for water, excluding pesticides and gross α & β	depends on content

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WESTON

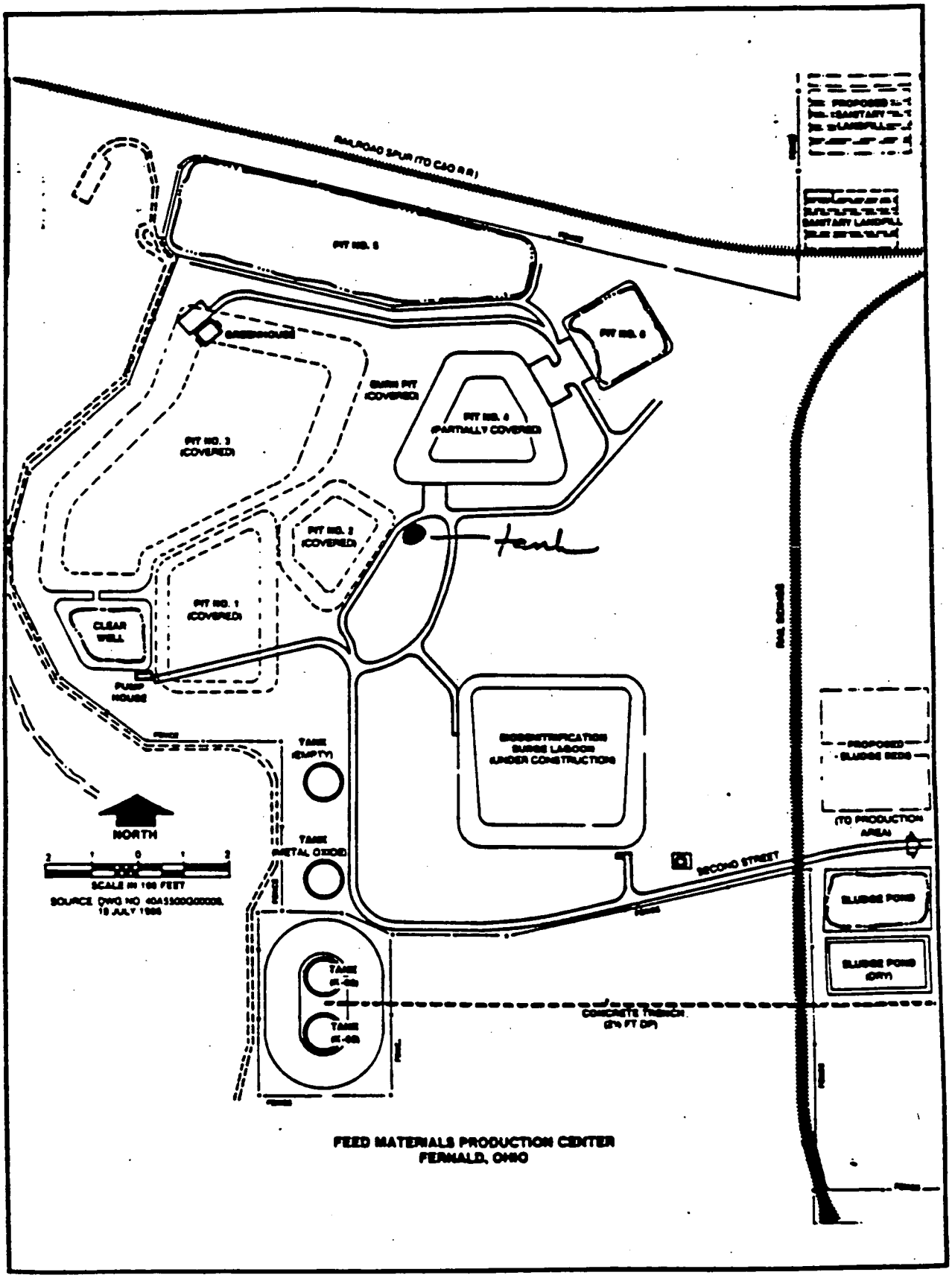

FIGURE 3-5 PRELIMINARY MAP OF THE STORAGE AREA WEST SIDE MIDDLE OF SITE

DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Silos 1, 2 & 3

Requestor: G. Kelly

see D. Daughtery's plan

Date: 6/26/86

Media:

Sample No.	Sample Location	Analytical Parameters	Special Instructions
No 1	inside samples	?	
	Dave did not suggest slant borings under silos	to sample	
	surrounding soils ?		Radon - only - mound devise
	air/rad readings ?	— probably	
	I'll pick up Paddy's Run	water pathway by sampling water & sediment	

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DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Slurry line K-65 Trench to Silos

Date: 6/26/86

Requestor: G. Kelly

Media: soil

See D. Riddle's s&a plan via hand augers and test pits

Sample No.	Sample Location	Analytical Parameters	Special Instructions
Med	along length - 3 on each side	see p. 55	Need detail on how
Silos	production area	total U 9 radionuclides RCRA EP Tox	

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DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Sanitary Landfill

Requestor: G. Kelly

Date: 6/26/86

Media: 2 borings

see D. Riddle's site plan

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	at least 2 representative locations	total U 9 radionuclides RCRA EP tox Volatile screen as [illegible]	Need detailed [illegible]

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DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Loc: Area around Sewage Treatment Plant Old Incinerator

Requestor: G. Kelly

Date: 6/26/86

Media: Soil

Sample No.	Sample Location	Analytical Parameters	Special Instructions
High	use locations of 1984 env'l monitoring & 1985 reports [redacted] appropriate to determine impacts also use draft 1985 env'l monitoring report - 10 pages on soil monitoring - unknown author & date - page 7 of 13 from NUS reference listing for FMPC [illegible] 7/10/86	total U 9 radionuclides RCRA EP tox Volitile scan	Need detail on [illegible] low and [illegible] Also IT data. Soil

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DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

Site: Fire Training Area (P. 26 map)

Date: 6/26/86

Requestor: G. Kelly

Media: Soil - via hand auger and test pits
Water
Sludge

Sample No.	Sample Location	Analytical Parameters	Special Instructions
Low Med	Soil around tank	soil & sludge RCRA EP tox Volatile scan	need detail on how and how many
	water & sediment in trough		
	liquid and/or sludge in pit located a little SE of tank	liquid key RCRA and primary drinking water parameters	Soil

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

— all 34 years old

~~Plant~~ Date: USTs ~~[illegible]~~ #3 — #11 (see inventory listing) Requester: G. Kelly
6/26/86 Media: borings, groundwater

Sample No.	Sample Location	Analytical Parameters	Special Instructions
	— to use state-of-the-art methodologies to identify leaks and to characterize extent of contamination		
	— I have (map) & hate to give it up now		— walk through
	but	— mike to get	— ANL check testing costs —
			Soil

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k include West scope of work

DOE ENVIRONMENTAL SURVEY TEAM:
SAMPLING REQUEST FORM

rt: Lime Sludge Ponds

Requestor: G. Kelly

e: 6/26/86

see p. 35

Media: surface water 4/
sludge/sediment 2 multi depth

ple No.	Sample Location	Analytical Parameters	Special Instructions
	inactive pond • east side • west side		via hand auger & test pits
	active pond • east side water • east side sludge • west side water • west side sediment	low priority disturbed diaphragm pump underground pipe low flow	Low

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DOE ENVIRONMEN[illegible] SURVEY TEAM:
SAMPLING [illegible]UEST FORM

#: Production Area

Requestor:

e:

Media:

ple No.	Sample Location	Analytical Parameters	Special Instructions
	Proget — O.K.	will determine problems via air, surface water, sediment, soil and ground water sampling covering air dispersion, stormwater runoff and groundwater infiltration	— outside production area

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RADION = Radionuclides

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 06/26/86

Requester: RIDDLE
Media: GROUND WATER

Page 1 of 6

Sample No.	Sample Location	Analytical Parameters	Special Instructions
DOMESTIC WELLS Doug G. — check	1. Southwest of site 5 total ±	RCRA, VOA's, RADION. Total = 5 samples	Permission necessary from homeowner/owner
	2. South of site 5 total ±	Same as above (SAA) Total = 5 samples	"
	3. East of site 3 total ±	SAA Total = 5 samples	"
OFF-SITE WELL INSTALL.	1. possible 2 shallow wells adjacent to NPDES line	SAA Total = 2 samples	Installation of 2 new wells w/ borings. Soil, geologic and well installation logs
WASTE PIT PIEZOMETERS (temp. wells)	1. Pit 4 2. Pit 1-2 3. Pit 3	RCRA VOA's RADION " " " " " "	- sample from 2" piez. installed in waste pit. [illegible]

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 06/26/86

Requester: RIDDLE
Media: GROUND WATER

Page 2 of 6

Sample No.	Sample Location	Analytical Parameters	Special Instructions
TP-1 – TP-20	Test pits south and east of Production Area	RCRA, VOA's, RADION Total = 20 samples	Grab samples of water in pits and water level. Soil and geologic log
WELLS (6) at 3 locations on-site	3 stacked wells in production area	RCRA, VOA's, RADION. Total = 6 samples	Installation of six wells w/ borings. Soil, geologic and well installation logs
SEEPS/ SPRINGS etc	1. Gravel Pits East of site	RCRA, VOA's, RADION Total = 3 samples	Stratigraphic sampling
	2. Spring/Seeps IP'd along Paddys Run and Till face east of site	RCRA, VOA's, RADION Estimate 3 samples	Need walk survey of PR, etc for ID. Air photo's ?
	3. Seep/Spring @ K-65 ditch and ditch south	RCRA, VOA's, RADION 2 samples	Grab samples
	4. Seep S. of Clearwell [illegible] Pit 3 weir	RCRA, VOA's, RADION	Grab or seep

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 06/26/86

Requester: RIDDLE
Media: See below

Page 3 of 6

Sample No.	Sample Location	Analytical Parameters	Special Instructions
RAD SURVEY	1. southfield	micro/R meter	grid set up walk area
	2. Incinerator area	SAA	grid set up
	3. Cone house area by dump? piles	SAA	spot measurements
INFILTRATION EXFILTRATION	NPDES outfall MH-175 -MH177 and outfall	flow measurement	analysis of pipe loss or gain

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 08/26/86

Requester: RIDDLE
Media: Soil

Sample No.	Sample Location	Analytical Parameters	Special Instructions
Borings	1. Old Flyash (2 borings)	EP-tox, RADION. 6 samples	one in high cond area one in low cond area.
	2 New Flyash (1 boring)	SAA 3 samples	ALL field scan for RAD VOA's
	3. Fire Training Area (1 boring)	SAA 3 samples	
Test pits (w/water)	1. 20 test pits (south + east)	SAA 40 samples	2 samples per pit
Borings (w/wells)	1. Site Wells	SAA 30 samples	
	2. Off site wells	SAA 6 samples	
	3. waste pit.	SAA 15 samples	

DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 06/26/86

Requester: RIDDLE
Media: SOIL

Sample No.	Sample Location	Analytical Parameters	Special Instructions
Borings w/o wells	4. Production Area 5 borings	Eptox RADION. 15 samples	Field SCAN for RAD + VOA's
Test Pits or hand augers	1. Sanitary Landfill 2. Old incinerator 3. Southfield 4. TW-9 area 5. West of K-65 6. Cone house area	Eptox, RADION. Total of approximately 12 locations 24 samples	SAA
Grabs of sediment/soil	1. drums + K-65 trench	Ep tox RADION 5 samples	
	2. drum/sed clearwell ditch	SAA 2 samples	SAA
	3. W. of Pilot Plant tile	SAA 2 samples	

Test well

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DOE ENVIRONMENTAL SURVEY TEAM
SAMPLING REQUEST FORM

Plant: FMPC
Date: 06/26/86

Requester: RIDDLE
Media: SOIL

Sample No.	Sample Location	Analytical Parameters	Special Instructions
Grabs (cont'd)	4. Rubble pile over SSOD @ twin culverts	Eptox RADION. 5 samples	Field Scan for RAD + VOA's

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DOE F 1325.7
DOE

Supersedes DOE F 1325.7, Approved by ISOO, June 1978

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Chris Grundler
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Wash. DC 20585

7. OFFICIAL BUSINESS
Signature of authorizing official

8. DATE 8-7-86

9. TO
Steve Ballou
Argonne National Lab.
FTS 972-4496

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INFORMATION FOR ANL ON GROUNDWATER SAMPLING AT FMPC FERNALD, OHIO

Refer to Figure 10 for reference number location

Well number	Owners Name (If known)	USGS Well No.(1)
1	Strickers grove	Not assigned
2	B. Gieringer	H-120
3	SWOWC	H-114
4	Rumpke Inc.	H-124
5	J. W. Rolfes	H-128
6	Mike Lienesch	H-104
7	Unknown	Not assigned
8	Eugene Hott	H-112
9	George Frankenstein	H-113
10	Unknown	Not assigned
11	Matilda Kelsch	16-2
12	Unknown	Not assigned
13	Jacob Fuchs	H-123

(1)Attached map shows location

L[illegible]on	Type	No.	Method	Method	#Sampl	Interval	Depth (Feet)	Instrumentation	Detail	Remarks
Waste Pit #1	Boring	1	Hollow Stem Augers (HSA)	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures land 2	Do not penetrate liner
Waste Pit #3	Boring	1	HSA	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures land 2	As above; stabil of pit surface be assured
Waste Pit #4	Boring	1	HSA	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures land 2	See WP #1
Off-site adj to strickers grove	Boring	2	HSA	SPT	16	5' C-C	36 (max)	4 inch PVC well	See Figures 3 and 4	-
Production Area	Boring	3	HSA	SPT	24	Continuous	16	2 inch PVC well	See Figures 4 and 5	-
Production Area	Boring	3	Wet Rotary	SPT	63	5' C-C	100	4 inch PVC well	See Figures 4 and 5	-
Production Area	Boring	5	HSA	SPT	20	5' C-C	20	None	N/A	Location on Figu
East and South	Test pits	10	Backhoe	Grab (Soil)	20	Two per pit	10	None	N/A	Location on Figu
Old Flyash Pile	Boring	2	HSA	Grab (Water)	10	Where encount.	20	None	N/A	Location on Figu
New Flyash Pile	Boring	1	HSA	SPT	18	5' C-C	28	None	N/A	Location on Figu
Fire Training Area	Boring	1	HSA	SPT	5	5' C-C	20	None	N/A	Location on Figu
Sanitary Landfill	Test Pit	1	Backhoe	Grab (Soil)	2	Two/pit	10	None	N/A	Location on Figu
South Field	Test Pit	4	Backhoe	Grab (Soil)	6	Two/pit	10	None	N/A	Locations to be det. based on rad survey
West of K-65	Test Pit	2	Backhoe	Grab	4	Two/pit	10	None	N/A	Location on Figu
Test well 9 area	Test Pit	2	Backhoe	Grab	4	Two/pit	10	None	N/A	Location on Figu
Ditch South of K-66	Soil/Sed Drum	6	Trowel	Grab	5	Surface	0.5-1	None Location on Figure 6	N/A	Get sample of se from open drums
Ditch South of Clearwell	Soil/Sed Drum	2	Trowel	Grab	2	Surface	0.5-1	None Location on Figure 6	N/A	Get sample of se from open drums
Tile at fence and ditch west of Pilot Plant	Soil/Sed	2	Trowel	Grab	2	Surface	0.5-1	None Location on Figure 6	N/A	
Rubble pile at SSOO at Twin Culverts	Soil/Sed	5	Trowel	Grab	5	Surface	0.5-1	None	N/A	Location on Figu
Banks [illegible]east Miami	Soil	5	Hand Auger	Grab	5	[illegible] 3'	3	None	N/A	In [illegible]plain lo[illegible] on Figu

6541

350 3

2500097

08/07/86 10:58 FORSTL NO.008 D04 Revision: 00

3.0 ENLD Sampling Plan General Corresp 6541

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MESSAGE IDENTIFICATION: NR: 359-1 DTE:

6. FROM: Chris Grundler, US Dept. of Energy, Wash. DC 20585

7. GENERAL BUSINESS: (Signature of authorizing official) FROM A.M. P.M.

8. DATE: 8-7-86

9. TO: Steve Ballou, Argonne National Lab., FTS 972-4496

TRANSMIT 86 8 7 14:54 000359

9A. BRIEF - ELIMINATE UNNECESSARY WORDS

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000078

FMPC S&A Data Doc.
Issue Date: 06/17/88
Revision: 00

REVIEW OF
FEED MATERIALS PRODUCTION CENTER
SAMPLING PLAN

RADIATION

A fault in the plan is that the plan does not include many of the analyses which NUS requested. In particular, analyses for U-235, Th-232, Ra-228, Pu-238, Np-237, and Tc-99. As we indicated in our survey report, the potential for release of these radionuclides from FMPC could represent a significant environmental problem. The lack of data for these radionuclides makes an assessment of this potential impossible at this time.

PAGE	COMMENT
7 Section 2.2	If "Existing Environmental Surveillance Efforts" refers to current monitoring by FMPC, insert the following attachment.
9 1st paragraph, 3rd sentence	Sampling at "6" locations on Paddys Run not "3".
16 Table 3.2	Add to each and every solid the following analyses: U-235, Th-232, Ra-228, Pu-238, Pu-239, Np-237, and Tc-99.
18 Table 3.3	Add to each and every liquid sample the following analyses: U-235, Th-232, Ra-228, Pu-238, Pu-239, Np-237, and Tc-99.
20 Table 3.5	Sample type is not "leaves": This implies leaves from trees. We intended the samples to be broadleaf vegetation such as lettuce and cabbage. Analyses must also include U-235, Th-232, Ra-228, Pu-238, Pu-239, Np-237 and Tc-99.
21 Section 3.3	Add after gamma spectrometry ... U-235, Th-232, Ra-228, Pu-238, Pu-239, Np-237, and Tc-99.
25 Table 3.7	Same analyses as above should be added to applicable locations, as determined from Tables 3.2, 3.3, 3.4, and 3.5.

Th 232

43 Table 5.3	Preservation not listed for radionuclide samples (HNO_3 to pH <2).
86 "Data Comparability"	Insert pCi/l for aqueous and pCi/g for soils.

Section 3.2 Insert

FMPC currently monitors the environmental for radiological and non-radiological parameters are also measured in soil, sediment, vegetation, garden produce, milk, and fish. Very few of the above sample types are measured for anything but total uranium. Details of the ocurrent environmental monitoring program are found in Aas, et al., (1986).

Aas, C. A., D. L. Jones, and R. W. Keys, 1986. Feed Materials Production Center Environmental Monitoring Annual Report for 1986. Prepared for U.S. DOE, by Westinghouse Materials Company of Ohio, FMPC-2047.

5

AIR

1. None of the soil samples are being analyzed for lead. The lead content of soils around Plant 1 was requested to determine it as a possible fugitive emission source. Also, lead was disposed in the pits and land fill area, and lead contamination is a potential concern in these areas.

2. Fugitive dust samples were requested from paved and unpaved roads as well as at the concrete pad at the waste pits. The description does not indicate that the paved roads and pad would be sampled.

3. The stack emission test at Plant 5 was intended primarily as a determination of the in-stack sampling efficiency used at FMPC. There is no indication that the sample collected under actual isokinetic sampling conditions will be compared to the concurrent stack sample(s) obtained by the FMPC sampling system.

4. The ambient air sampling is to be performed in Plant 5 above the Rockwell furnace area. This sample was intended to determine the possible sources of process fugitive emissions from mag flashes and blowouts inside the plant environment.

→ Logistics for actual comparison are under discussion. Plant unwilling to furnish ANL w/ results. May involve giving DOE ANL + Plant results to let them compare or DOE sends ANL results from plant.

6

RCRA

p. 3 The section pertaining to background information (Section 2) should be reduced to include only a site location and description or should be eliminated completely. There is no need for a section on existing environmental surveillance efforts (Section 2.2) and little use for the potential contaminant section which would repeat sections of the draft survey report. These sections will do little to explain needed sampling and would probably not be successful in explaining sampling needs in the generic style used in the existing sections. The sampling plan could be shortened and would be more concise if this section were reduced or eliminated.

p. 12 An existing hazardous or radiological waste summary would not provide much assistance to the sampling teams task of collecting and analysing samples. These sections could be eliminated from the sampling plan.

p. 14 Table 3-1 - The reader cannot check samples with the sampling request list because the request list is not included. It is difficult to verify that the proper samples are to be taken without the list.

p. 15 Tale 3.1 - Some of the material to be tested for EP toxicity in Plant 8 may be solid material that is input to incinerator. The table indicates that only liquid material is to be sampled. In addition, filter solids from the Rimco and Oliver filters are to be sampled and tested.

p. 16 Table 3.2 - The table shows two sampling points for Pit 5. More than two samples are needed to obtain a representative scan of Pit 5 sediment. Pit 5 should be subjected to representative sampling. Former samples have been taken at the influent end. More samples are needed throughout the pit. The same comment is applicable to the planned sampling in Pit 6. *

p. 16 Table 3.2 - The table does not show needed solids sampling in some of the production plants. Plants 1, 2/3, 5, 8, and 9 have solids sampling needs. See below for details.

p. 18 Table 3.3 - An additional liquid sample should be taken in Tank T-3 of the Pilot Plant. It should be tested for EP toxicity (less pesticides) F002, F003. See below for additional liquid sampling needs.

P. 20 Table 3.5 - The type and depth of boring should be described more fully.

p. 23 The following sampling needs should be checked to be certain they are already included in the existing plan. Those not

11:14 All New request RCRA p. 18-24 Samp. Req. for

7

Plant 1 - Waste xylene	NOTE: May sample drum of recently generated waste
Plant 1 - Drum painting booth wastewater	NOTE: This may be the liquid sample shown on p. 24 of sampling plan
Plant 1 - Storage pad drainage, in the vicinity of oldest drums	NOTE: As above
Plant 1 - Paint spray booth peelable paint waste	NOTE: May sample barrel of accumulated waste
Plant 1 - Drum compactor sump water and sludge	
Plant 2/3 - Centrifugal solids	
Plant 2/3 - Tank bottoms which go to rotary kiln	NOTE: May sample drums of this material
Plant 2/3 - Hot raffinate bldg filter solids	NOTE: May sample drum of accumulated waste material
Plant 2/3 - Nuetralized raffinate waste	NOTE: Sample drums of this material and subject to TCLP analysis
Plant 2/3 - Waste oil storage pad sump	NOTE: Sample oily liquid in sump around pad
Plant 5 - MgF_2	NOTE: Sample drums of this material and subject to TCLP analysis
Plant 6 - Filter solids from wastewater treatment system filter press	
Plant 6 - Sump cake from 4000 gal nuetralizing tank	NOTE: May sample drums of this material
Plant 8 - Drum washer-sludge	
Plant 8 - Furnaces	NOTE: Please sample ash, as well as waste material - may sample drums
Plant 8 - Emico and Oliver	NOTE: May sample drums of this waste material, subject to TCLP
Plant 9 - Filter press solids	NOTE: May sample drums of this material

Pilot Plant Hazardous Waste Tank T3

Main laboratory sump solids

NOTE: Documentation indicates tank may contain liquid hazardous waste

9

HYDROGEOLOGY

1. Locations, quantities and types of samples shown on Tables 3.1, 3.2, 3.3, 3.4, 3.5 and 3.6 are not consistent and cannot be reconciled with those provided in the Sampling Request Form and the Sampling Table provided to ANL. The table and figures attached to these review comments should serve to clarify any discrepancies.

Table 3.1 [illegible] ANL [illegible] Test Plan [illegible] to [illegible]

2. Table 3.7: Ground water sample analyses should include gross alpha and gross beta (See comment 3)

3. Table 3.7 and Section 3.3, page 21: RCRA groundwater parameters were specified in the Sampling Request Form although all do not appear in the Sampling Plan. All groundwater samples collected should be analyzed for the parameters listed below (as per 40 CFR Part 265.92(b) (1), (2), and (3).

Sample Request Said On RCRA

Chloride	pH
Iron	Specific conductance
Manganese	TOC
Phenols	TOH
Sodium	Arsenic
Sulfate	Barium
Cadmium	Chromium
Fluoride	Lead
Mercury	Nitrate
Selenium	Silver
Endrin	Lindane
Methoxychlor	Toxaphene
2, 4-D	2, 4, 5-TP Silvex
Radium	Gross Alpha
Gross Beta	Turbidity
Caliform Bacteria	

4. Section 5.3.2, p.34, "Well Installation", Paragraph 1: All wells are not intended to be "installed in the uppermost continuous water bearing layer beneath the property". Specifically, the purpose of shallow wells in the production area are to monitor the perched shallow ground water which occurs beneath the site. Additionally:

   a) Wells planned adjacent to the 001 outfall pipe near Strickers Grove should be screened near the upper portion of the sand and gravel aquifer; and

   b) The deeper production area wells are intended to monitor the upper sand and gravel aquifer above the blue clay layer.

5. Section 5.3.2, p.34, Paragraph 1:

   Hollow Stem Augers will not be appropriate for installation of the deep wells (100 ft+) on site. Although HSA's can be used to sample

to the proper size to install 4 inch diameter well casing will be capable of penetrating to 100 feet or more in depth.

6. Section 5.3.2, p.34, Paragraph 2:

Soil samples should be field screened for radioactivity and the presence or absence of organic vapors.

7. Section 5.3.2, p.34, Paragraph 3 and Figure 5.1:

Details were provided to ANL regarding well construction. the well detail presented by ANL is not consistent with these details. Comments are listed below.

a) Two inch diameter wells in the production area (100 ft + deep). These should all be 4 inch diameter.

b) Well screens should not extend above the ground water table in the deep wells proposed for the production area. Total screen length should be 30 feet or less. It is acceptable for the well screen to extend above the groundwater table in the proposed shallow wells.

c) Piezometers proposed to be installed in the waste pits are intended to be temporary in nature. As a result, these installations do not require the detail or permanency of the schematic proposed by ANL in Figure 5-1.

8. Section 5.3.4, p.36 and 37

Drums proposed to be sampled in the ditch south of the K-65 silos and south of the clearwell are open topped and appear to have collected surface sediments. The intent in of the Sampling Request was to sample sediment, etc. within and adjacent to the drums.

9. General comment

No detail is given regarding the sampling request for and Infiltration/Exfiltration study of the NPDES 001 outfall pipe from MH-175 to MH-177. This evaluation is important to assess the need for wells adjacent to the pipe in the vicinity of strickers grove.

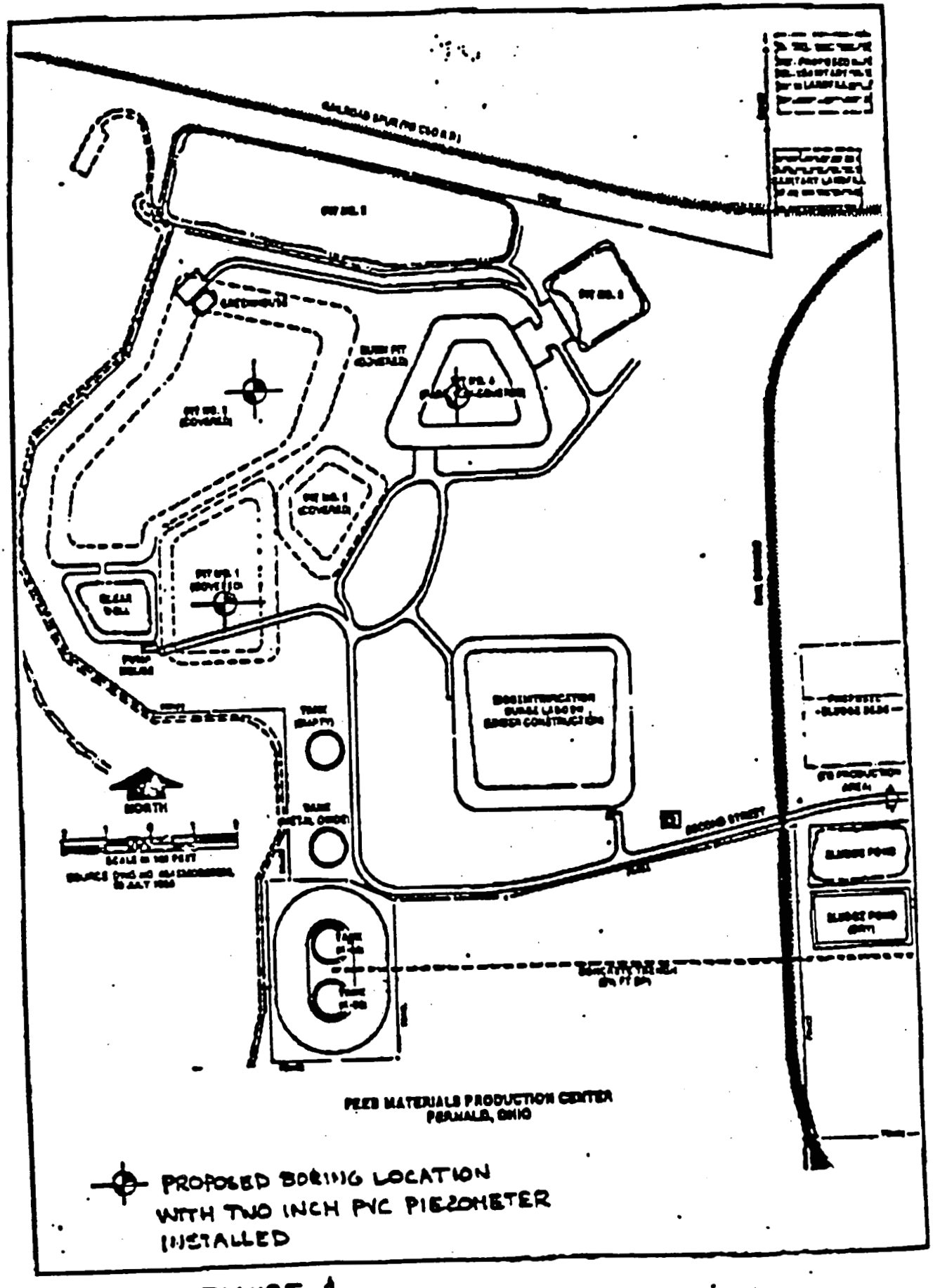

NORTH
SECOND STREET
FEED MATERIALS PRODUCTION CENTER
FERNALD, OHIO
PROPOSED BORING LOCATION
WITH TWO INCH PVC PIEZOMETER
INSTALLED

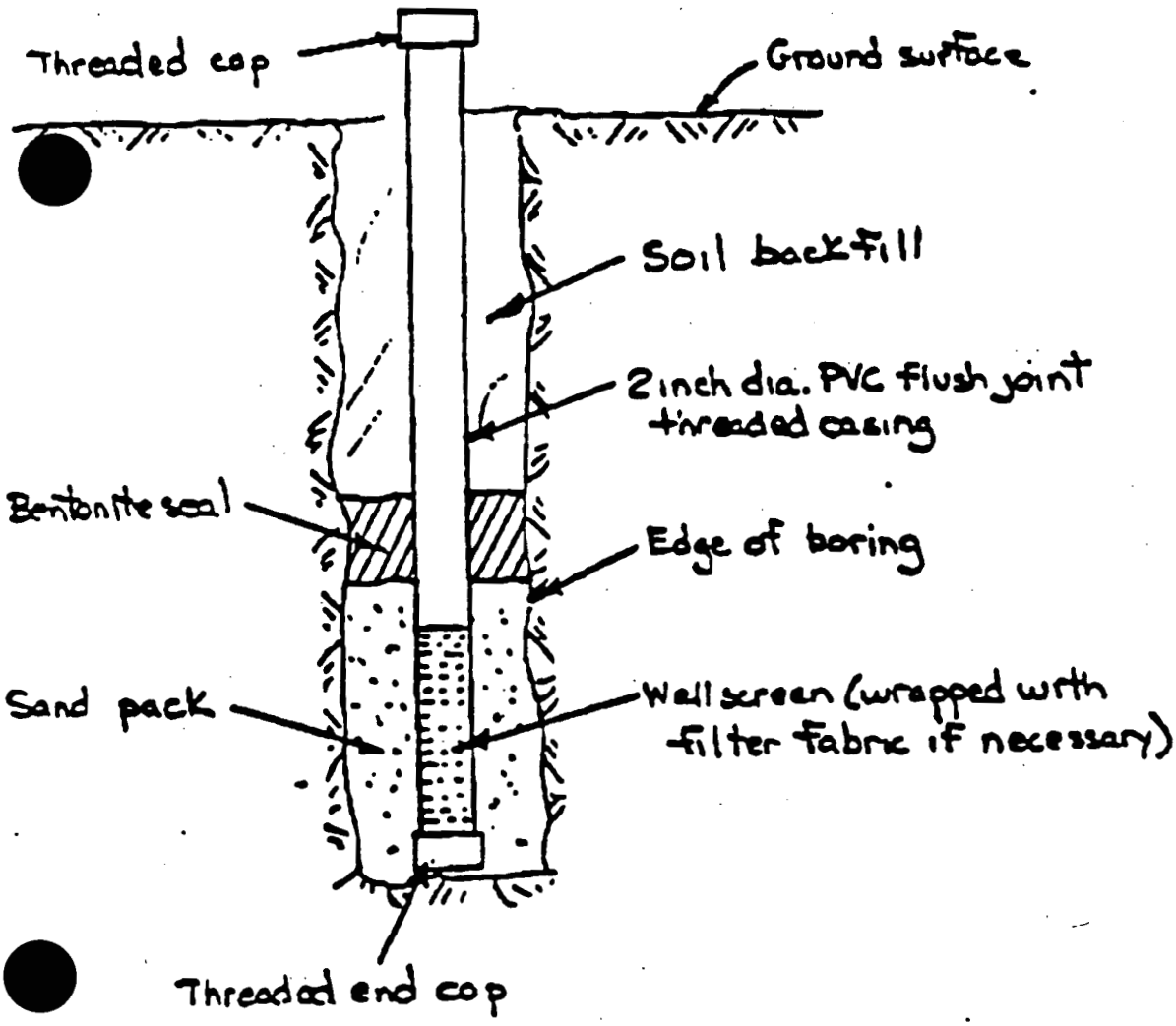
FIGURE 1.

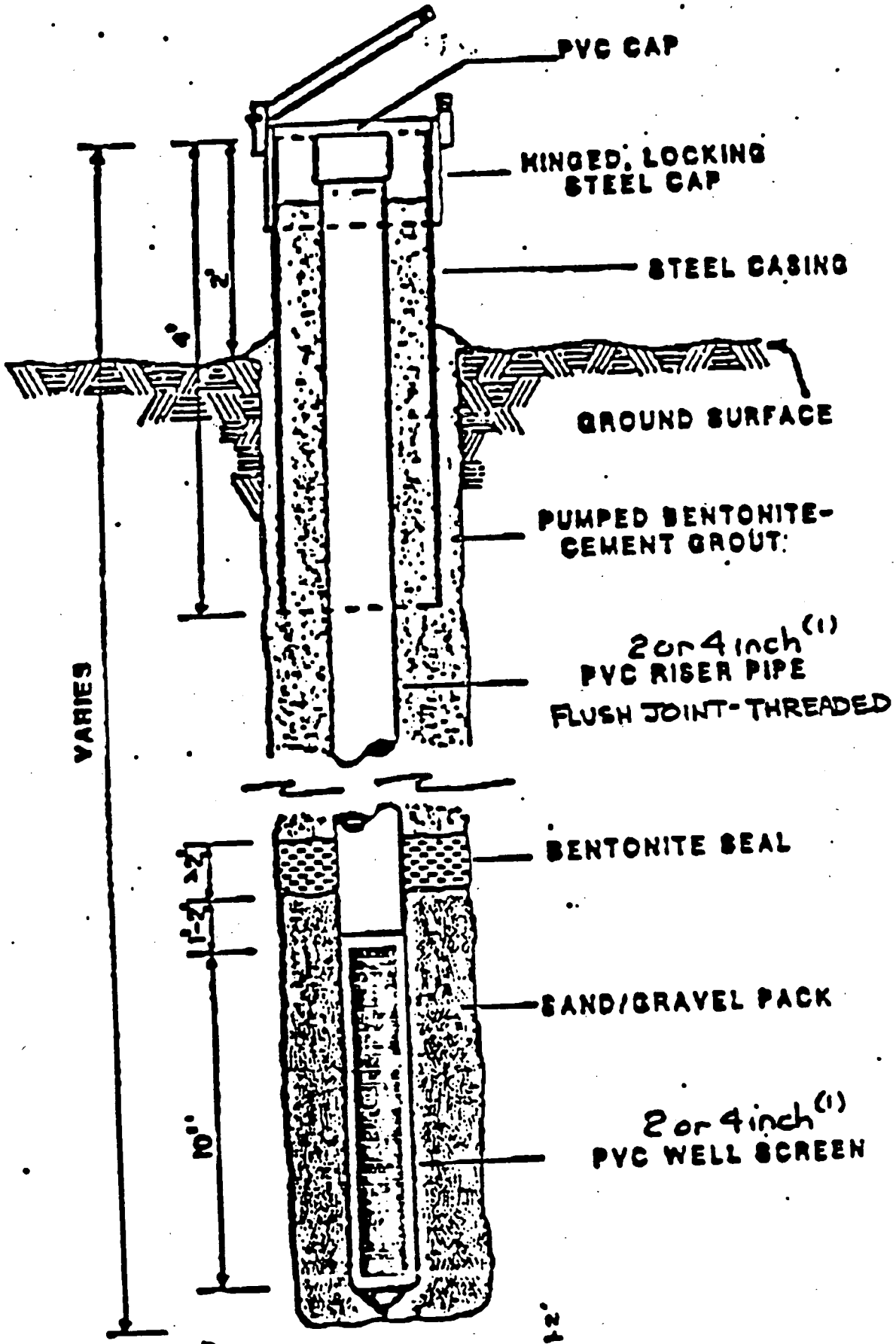
12

S CORPORATION AND SUBSIDIARIES — STANDARD CALCULATION SHEET

T: DOE	FILE NO.: 2034 Y742 1600	BY: DJR	PAGE 1 OF
ECT: FIGURE 2 S+A PLAN		CHECKED BY:	DATE:

FIGURE 2
TYPICAL WASTE PIT
PIEZOMETER
INSTALLATION DETAIL
(not to scale)





(1) see summary table for size casing

MONITORING WELL | Fig.

Issue Date: 06/17/88
Revision: 00

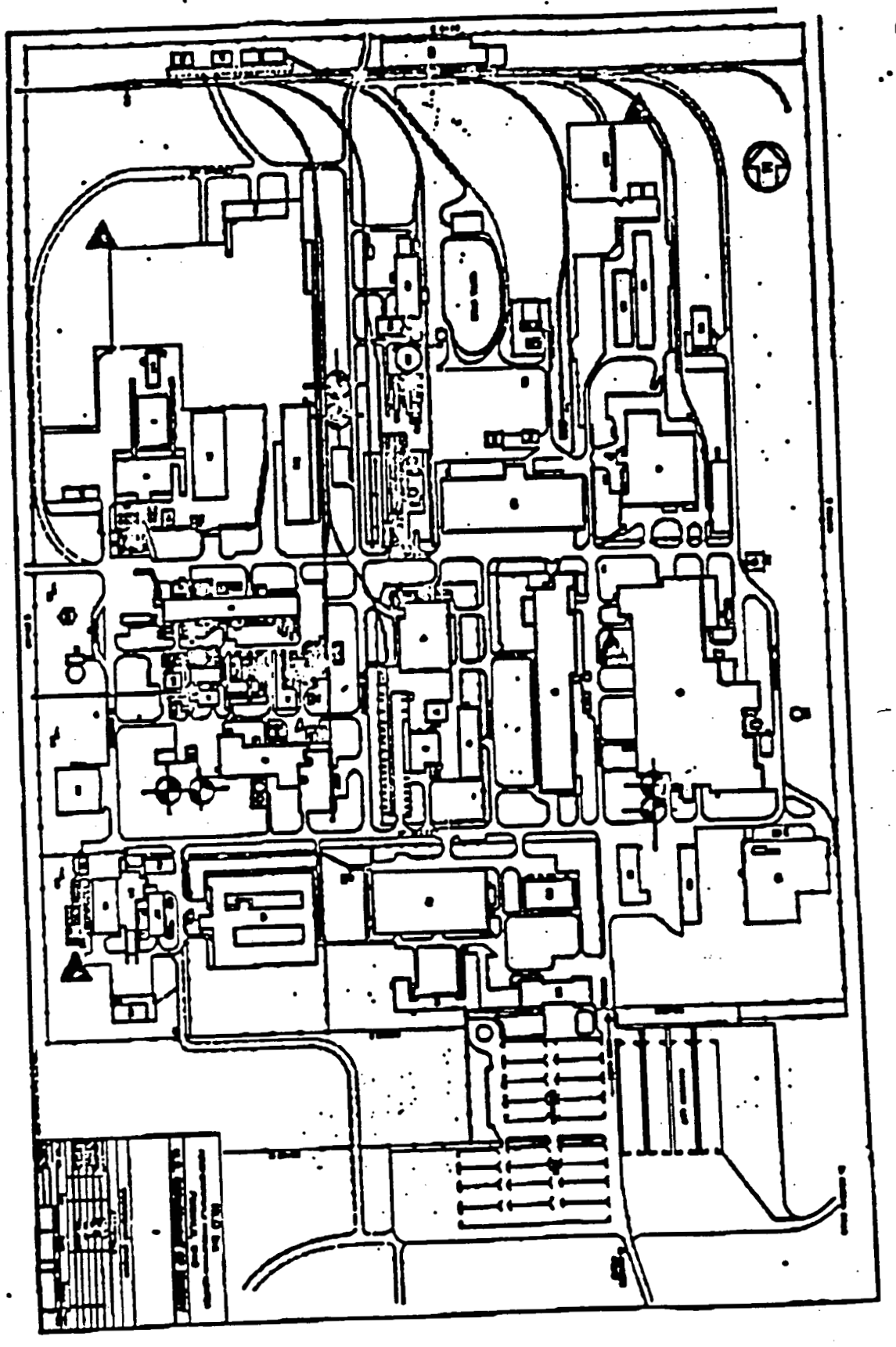


FIGURE 5
LOCATIONS OF PRODUCTION AREA BORINGS AND WELLS (PROPOSED)
FMPC

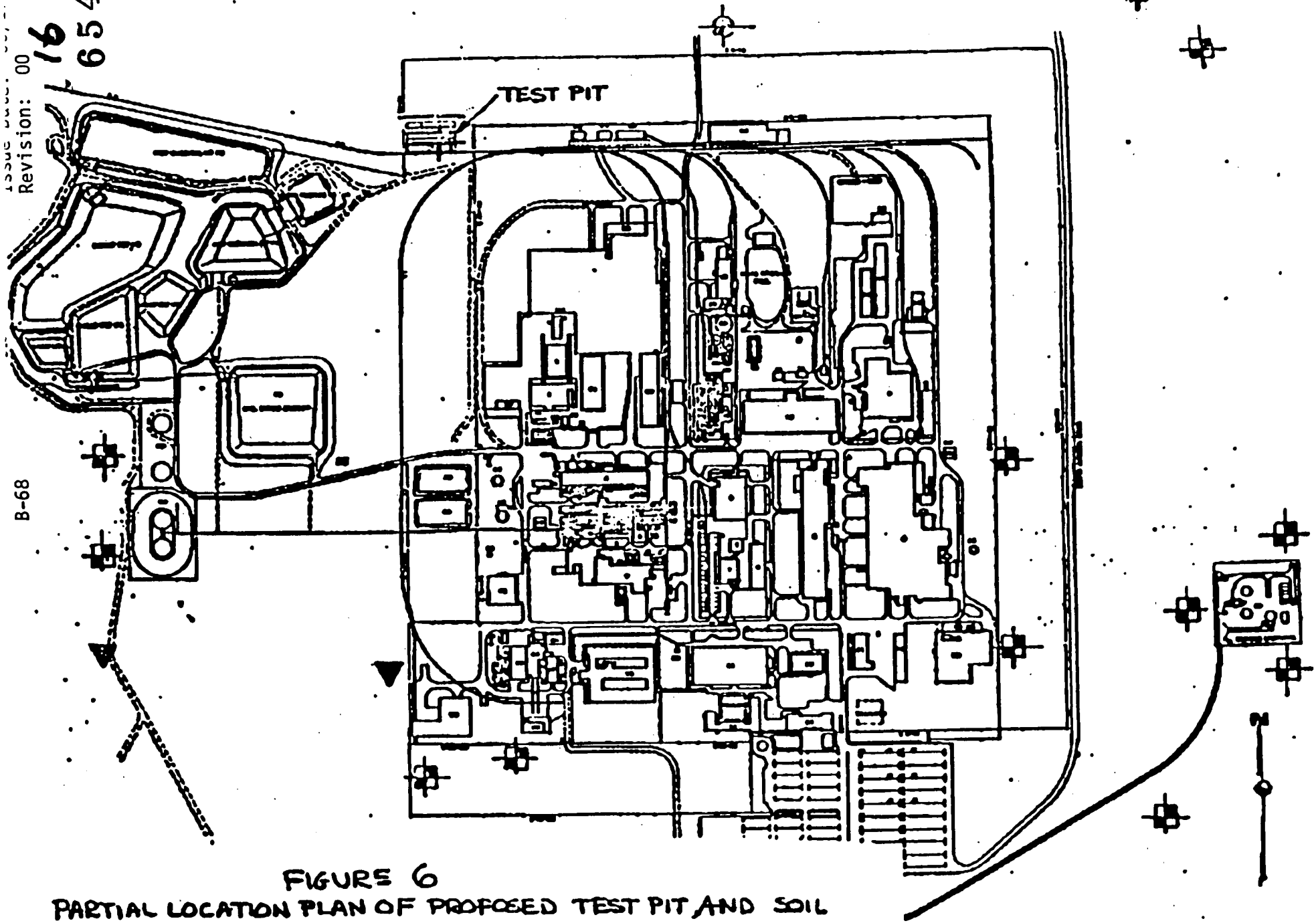


FIGURE 6
PARTIAL LOCATION PLAN OF PROPOSED TEST PIT AND SOIL SAMPLING OUTSIDE THE PRODUCTION AREA

st pit location

Soil boring location

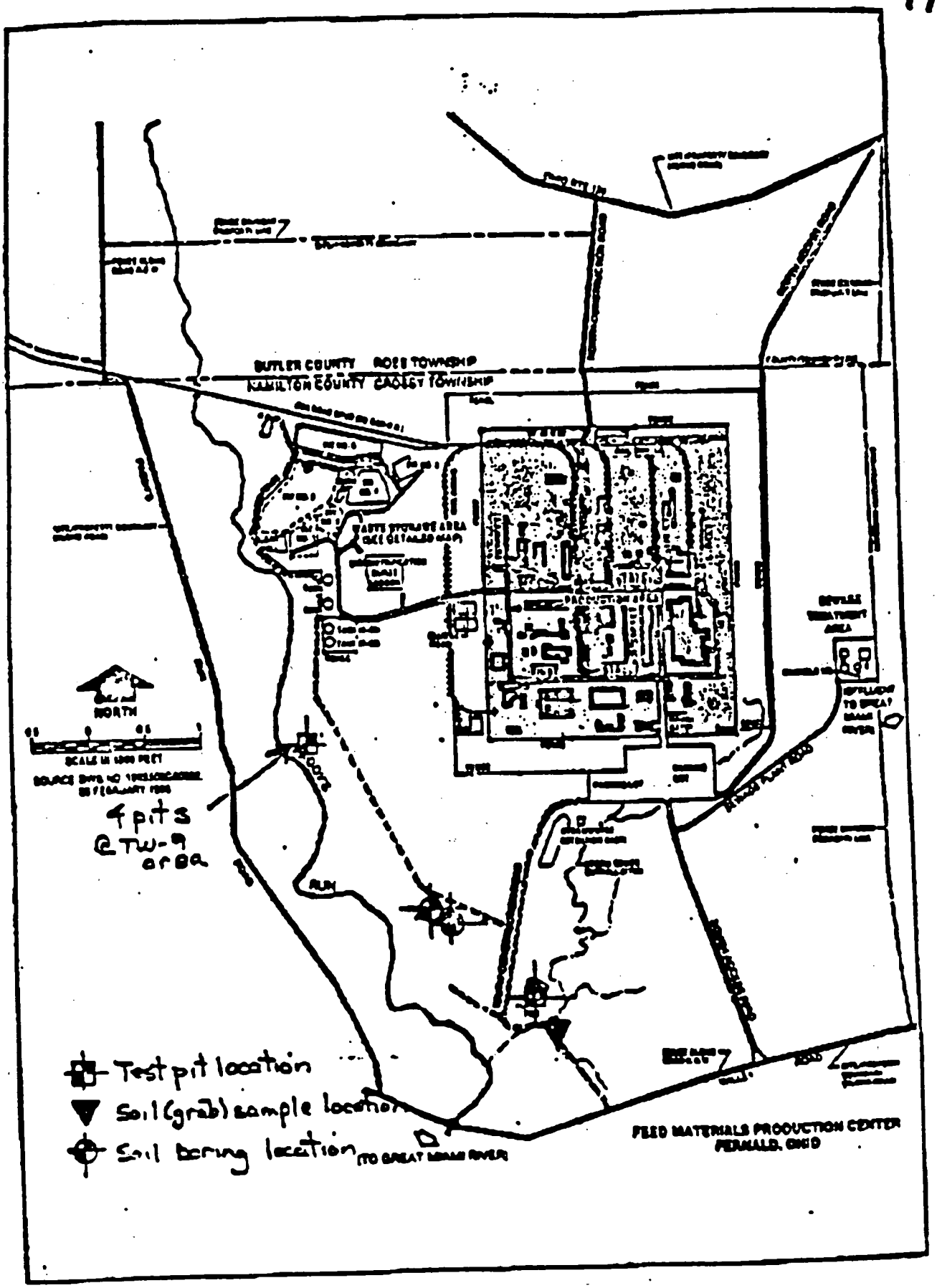

BUTLER COUNTY ROSS TOWNSHIP
HAMILTON COUNTY CROSBY TOWNSHIP
NORTH
4 pits @ TW-9 area
Test pit location
Soil (grab) sample location
Soil boring location
TO GREAT MIAMI RIVER
FEED MATERIALS PRODUCTION CENTER
FERNALD, OHIO

FIGURE 7

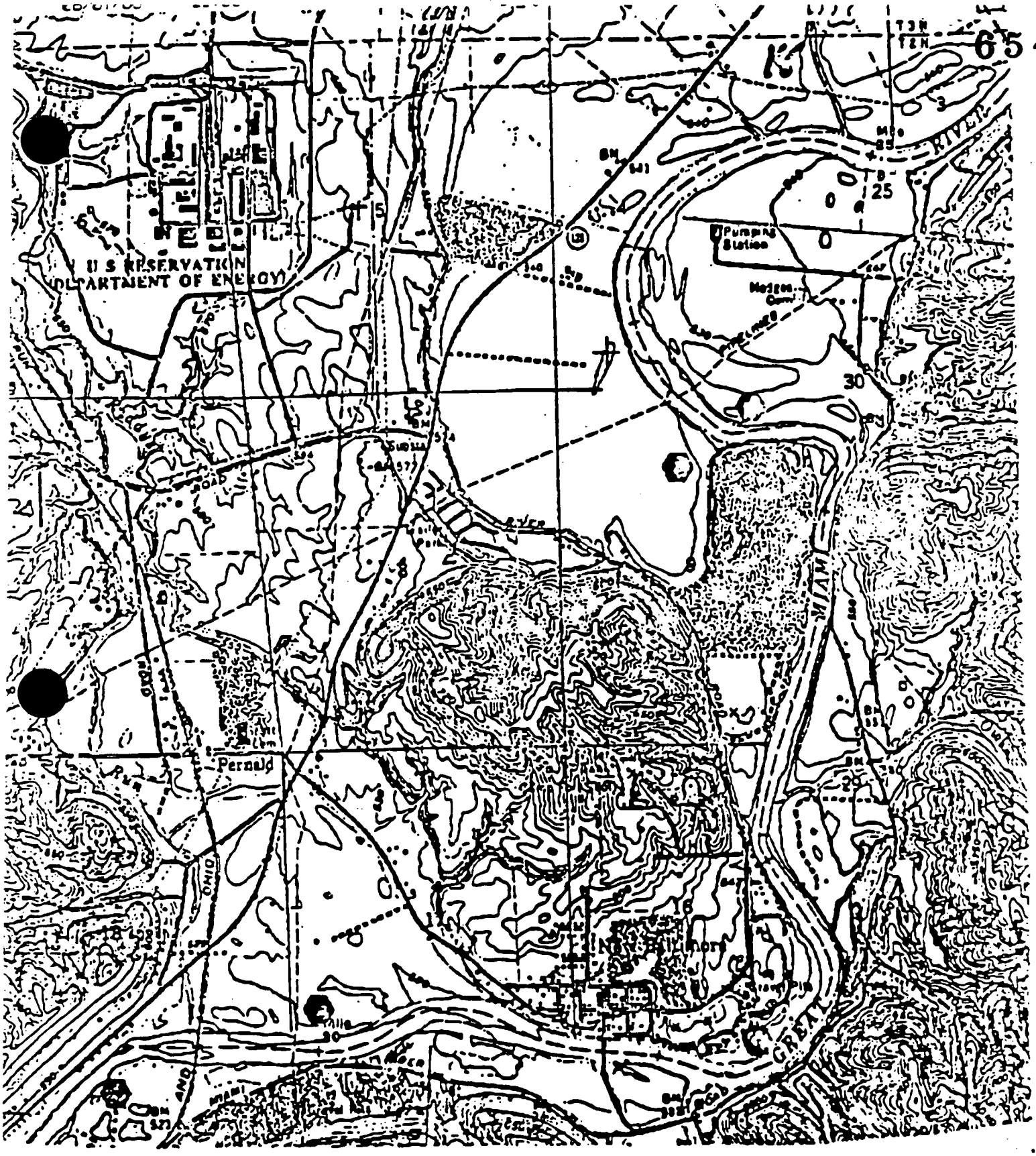


FIGURE 8

PROPOSED LOCATIONS OF FLOODPLAIN SOIL SAMPLES

FMPC

Proposed location

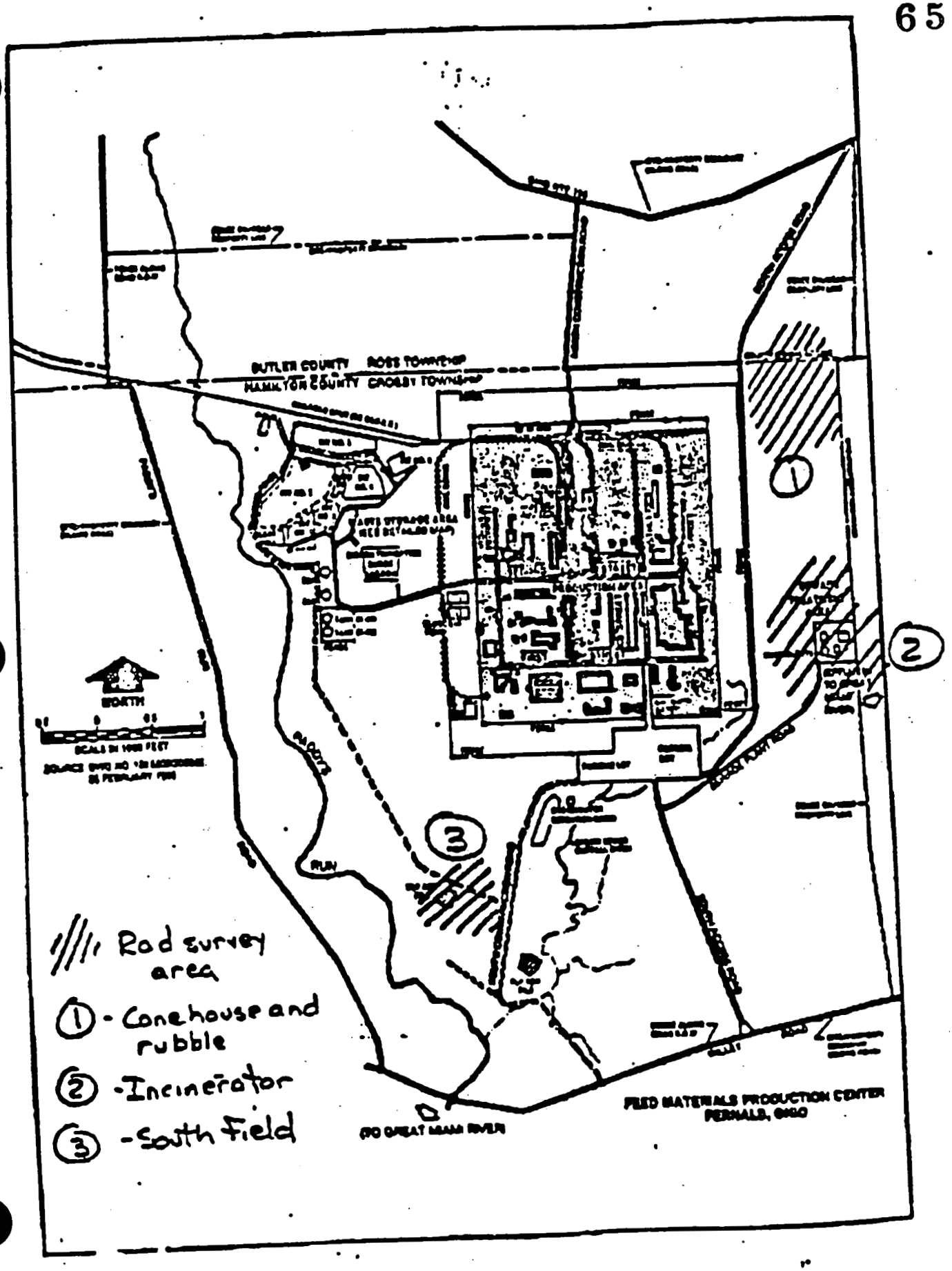

BUTLER COUNTY ROSS TOWNSHIP
HAMILTON COUNTY CROSBY TOWNSHIP
NORTH
PRODUCTION AREA
PADDY RUN
GREAT MIAMI RIVER
FEED MATERIALS PRODUCTION CENTER
FERNALD, OHIO
1
2
3
Rad survey area
1 - Conehouse and rubble
2 - Incinerator
3 - South field

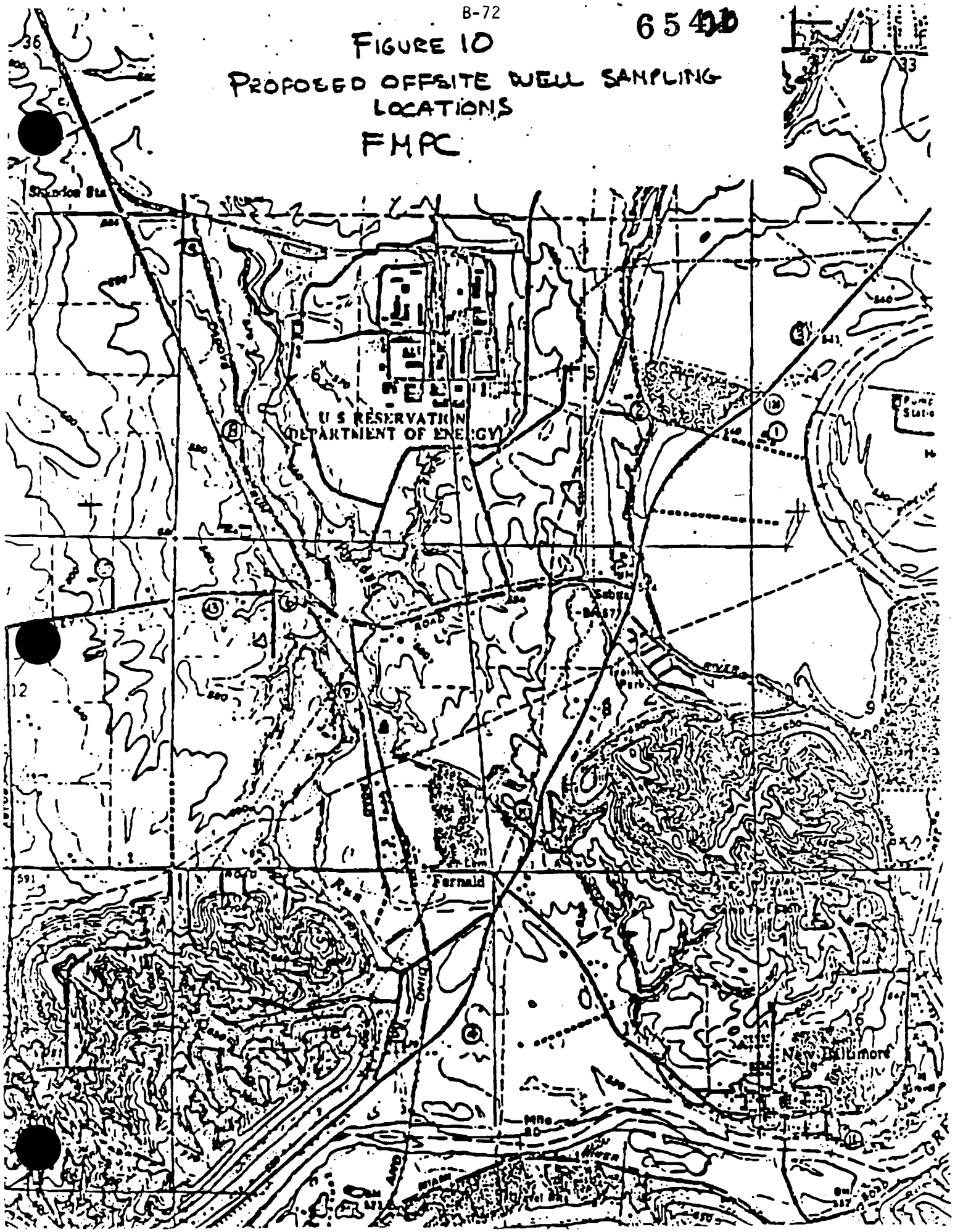
FIGURE 9

6540

FIGURE 10

PROPOSED OFFSITE WELL SAMPLING LOCATIONS

FMPC



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B-73

3.0 FNLD Sampling Plan General Corresp

PAGE 1 OF 10

x4496 p.1.

FACSIMILE TRANSMISSION

6541

TO: Dr. Ballow

DATE: 8/18/86

REF. NO:

TELEPHONE NO: COUNTRY ___ CITY ___ NO. (312) 972-2210 (312) 972-2209

FROM: Mike Malloy NUS CORPORATION, GAITHERSBURG, MD

CHARGE NO: 2034-4743 NUS FAX NO: (301) 948-2562

FMPC S&A Data Doc.
Issue Date: 06/17/88
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910 Rockville Pike
Gaithersburg, Maryland 20878-1398
301-258-6000

FMPC S&A Data Doc.
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Revision: 00
6541

C-34-8-6-267
August 15, 1986

Stephen Ballou, PhD.
Energy and Environmental Systems Division
Argonne National Laboratory
Argonne, Illinois 60439

Subject: Fernald Sampling & Analysis Plan

Dear Dr. Ballou:

In reference to our telephone conversation of August 13, 1986, I have reviewed our comments on the Fernald Sampling & Analysis Plan and am providing several clarifications for your staff in this letter.

The first area of concern is RCRA sampling. As shown in Attachment A, the RCRA sampling needs are primarily a restatement of previous requests. This restatement was made because the requestor wanted to make sure that specific waste streams were sampled and he could not determine from the sampling plan what streams were being sampled. He has also added several locations to the request after further review of his original submittal.

The second area relates to groundwater/soil sampling. The item in question is the table shown in Attachment B; specifically column 6 - # Samples. As shown in this column for the production area, the figures 24, 63, & 20 (107 samples total) are split spoon samples for evaluation and logging by your on-site geologist to allow a better understanding of the site geology. These numbers do not infer that all samples will have chemical and radionuclide analyses. The geologist will scan the soil samples (107 in this case) with an HNu and rad meter. Those that look promising or atypical will be sent for further chemical/radionuclide analyses. The laboratory analysis should represent about 10-15% of the soil samples. The estimated number of chemical/radionuclide analyses is listed in the original sampling request.

The final unresolved question focusses on the type and extent of radionuclide analysis. After our phone conversation we reviewed our position on radionuclide analyses and came to the following conclusions:

- Detailed radionuclide analysis is required to understand pollution at Fernald,

- The number of sampling locations requiring detailed analysis can be substantially reduced.

Attachment C presents a detailed explanation of our objective in conducting these analyses, which we were unable to explain in our phone conversation. The requested analysis includes a slightly different breakdown of isotopic uranium.

If you have any further questions, or need additional clarification I will be in Hanford for the next three weeks. You can reach me by leaving a message at the Hanford House (509) 946-7611 or with Dr. Don Elle, Richland Operations Office (509) 376-2603.

Very truly yours,

Michael C. Malloy
Consulting Environmental Engineer

/slt

c.c. R. Scott, DOE
C. Grundler, DOE

b.c.c. W. Smith
C. Yates
D. Riddle
P. Alexandro
7100 File
Deliverable
Task
Fernald File
Sampling & Analysis

Attachment A

RCRA SAMPLING

Plant 1 - Waste xylene	NOTE: May sample drum of recently generated waste
Plant 1 - Drum painting booth wastewater	NOTE: This may be the liquid sample shown on p. 24 of sampling plan
Plant 1 - Storage pad drainage, in the vicinity of oldest drums	NOTE: As above
Plant 1 - Paint spray booth peelable paint waste	NOTE: May sample barrel of accumulated waste
Plant 1 - Drum compactor sump water and sludge	
Plant 2/3 - Centrifugal solids	
Plant 2/3 - Tank bottoms which go to rotary kiln	NOTE: May sample drums of this material
Plant 2/3 - Hot raffinate bldg filter solids	NOTE: May sample drum of accumulated waste material
Plant 2/3 - Nuetralized raffinate waste	NOTE: Sample drums of this material and subject to TCLP analysis
Plant 2/3 - Waste oil storage pad sump	NOTE: Sample oily liquid in sump around pad
Plant 5 - MgF_2	NOTE: Sample drums of this material and subject to TCLP analysis
Plant 6 - Filter solids from wastewater treatment system filter press	
Plant 8 - Sump cake from 4000 gal nuetralizing tank	NOTE: May sample drums of this material
Plant 8 - Drum washer-sludge	
Plant 8 - Furnaces	NOTE: Please sample ash, as well as waste material - may sample drums
Plant 8 - Emico and Oliver	NOTE: May sample drums of this waste material, subject to TCLP
Plant 9 - Filter press solids	NOTE: May sample drums of this material

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Attachment B

GROUNDWATER/SOIL SAMPLING

Location	Sampling Type	No.	Advancement Method	Sampling Method	# Samples	Sampling Interval	Estimated Depth (Feet)	Instrumentation	Instrumentation Detail	Remarks
Waste Pit #1	Boring	1	Hollow Stem Augers (HSA)	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures Land 2	Do not penetrate liner
Waste Pit #3	Boring	1	HSA	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures 1and 2	At Steve: stability of pit surface must be assured
Waste Pit #4	Boring	1	HSA	SPT	13	Continuous	25 (max)	2 inch PVC piez w/screen	See Figures 1and 2	See WP #1
Off-site adj to stricklers grove	Boring	2	HSA	SPT	15	5' C-C	35 (max)	4 inch PVC well	See Figures 3 and 4	-
Production area	Boring	3	HSA	SPT	24	Continuous	15	2 inch PVC well	See Figures 4 and 5	-
Production area	Boring	3	Wet Rotary	SPT	63	5' C-C	100	4 inch PVC well	See Figures 4 and 5	-
Production area	Boring	5	HSA	SPT	20	5' C-C	20	None	N/A	Location on Figure 5
East and south	Test pits	10	Backhoe	Grab (Soil)	20	Two per pit	10	None	N/A	Location on Figure 6
Old Flyash Pile	Boring	2	HSA	Grab (Water)	10	Where encount.	20	None	N/A	Location on Figure 7
New Flyash Pile	Boring	1	HSA	SPT	15	5' C-C	20	None	N/A	Location on Figure 7
Fire Training Area	Boring	1	HSA	SPT	5	5' C-C	20	None	N/A	Location on Figure 6
Sanitary landfill	Test Pit	1	Backhoe	Grab (Soil)	2	Two/pit	10	None	N/A	Location on Figure 6
Sump Field	Test Pit	4	Backhoe	Grab (Soil)	6	Two/pit	10	None	N/A	Locations to be det. based on rad survey
West of K-65	Test Pit	2	Backhoe	Grab	4	Two/pit	10	None	N/A	Location on Figure 6
East well 9 area	Test Pit	2	Backhoe	Grab	4	Two/pit	10	None	N/A	Location on Figure 7
Ditch South of K-65	Soil/Sed Drum	5	Trowel	Grab	5	Surface	0.5-1	None Location on Figure 6	N/A	Get sample of sed. from open drums
Ditch South of Clearwell	Soil/Sed Drum	2	Trowel	Grab	2	Surface	0.5-1	None Location on Figure 6	N/A	Get sample of sed. from open drums
Pile at fence and ditch west of Pilot Plant	Soil/Sed	2	Trowel	Grab	2	Surface	0.5-1	None Location on Figure 6	N/A	
Mobile pile at SSOD at Two Culverts	Soil/Sed	5	Trowel	Grab	5	Surface	0.5-1	None	N/A	Location on Figure
Banks of Great Miami River	Soil	5	Hand Auger	Grab	5	1' to 3'	1	[illegible]	[illegible]	

Attachment C

RADIONUCLIDE SAMPLING

NUS CORPORATION

B-81

6541

INTERNAL CORRESPONDENCE

C-34-8-6-267

TO: M. Malloy

DATE: August 15, 1986

FROM: C. Yates

SUBJECT: FMPC Sampling Plan

FMPC S&A Data Doc.
Issue Date: 06/17/88
Revision: 00

After reviewing the isotopic analysis problem it was concluded that that following radionuclide analyses should be performed:

U-234, U-235, U-238
Th-232
Pu-238, Pu-239
Np-237
Tc-99

Ra-228 was eliminated since it is a daughter of Th-232. However, the specific isotopic analyses for uranium must be performed, for the following reasons:

(1) It is general industry practice (eg. NRC) to perform these analyses.

(2) It will not be possible to assess the origin of offsite uranium unless the specific isotopic breakdown is kown.

(3) Proper dose calculations can only be made if the concentrations of U-234, U-235, U-238 are known.

The total cost; however, can be substantially reduced by selective designation of sample locations in which these analyses should be performed. The revised sample locations in which the analyses should be performed are shown in the attached table.

/slt

NUS 054 REVISED 0181

General Location	Sample Type	Number of Locations
Fugitive Dust	Soil	3
Great Miami River	Sediment	3 (include up & downstream)
Paddy's Run	Sediment	5 (include up & downstream)
Storm Sewer Outfall Ditch	Sediment	2
Domestic Wells	Liquid	15
Farm	Milk	3
Great Miami River	Water	3 (include up & downstream)
Paddy's Run	Water	5 (include up & downstream)
Storm Sewer Outfall Ditch	Liquid	2
Farm	Broadleaf Vegetation	5

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APPENDIX C

ANALYTICAL QUALITY CONTROL DATA

Table C.1.1: Duplicate Results for Fluoride in Filters

Table C.1.2: Duplicate Results for TCLP Extracts of Inorganics in Liquid

Table C.1.3: Duplicate Results for Mercury in Solids

Table C.1.4: Duplicate Results for Total Uranium in Solids

Table C.1.5: Duplicate Results for Total Uranium in Liquids

Table C.1.6: Duplicate Results for Inorganic Analyses in Solids

Table C.1.7: Duplicate Results for Inorganic CLP Analyses in Liquids

Table C.2.1: Laboratory Preparation Blanks for Fluoride in Filters

Table C.2.2: Laboratory TCLP Extraction Fluid Blanks: Inorganic Analyses

Table C.2.3: Laboratory Preparation Blanks for Inorganic CLP Analyses in Liquids

Table C.3.1: Matrix Spike Recovery for Mercury in TCLP Extracts

Table C.3.2 Matrix Spike Recovery for Inorganics in Solids

Table C.3.3 Matrix Spike Recovery for Inorganic CLP Analyses in Liquids

Table C.3.4 Matrix Spike Recovery for Inorganic TCLP Extracts in Liquids

Table C.4: Field Blanks of Filters for Magnesium and Fluoride Analysis

Table C.5.1: Alpha Spectrometry Counting Backgrounds for Liquid Samples Pu, Np Analyses, with Pu-236 as the Internal Standard

Table C.5.2: Alpha Spectrometry Counting Backgrounds for Liquid Samples Th Analyses with Th-229 as the Internal Standard

Table C.5.3: Alpha Spectrometry Counting Backgrounds for Solid Samples Pu, Np, Th Analyses

Table C.5.4: Internal Standard Recovery in Liquid Matrix Pu, Th Analyses (Determined by Alpha Spectrometry)

Table C.5.5: Internal Standard Recovery in Solid Matrix Pu, Th Analyses (Determined by Alpha Spectrometry)

Table C.5.6: Gamma-Spectroscopy Calibration Results (Gamanal Program)

Table C.5.7: Gamma-Spectroscopy Room Background Monitored on Detector 1 (Batch 89-4001)

Table C.5.8: Gamma-Spectroscopy Room Background Monitored on Detector 3

Table C.5.9: Gamma-Spectroscopy Room Background Monitored on Detector 4

Table C.5.10: Gamma-Spectroscopy Room Background Monitored on Detector 6

Table C.5.11: Gamma-Spectroscopy Room Background Monitored on Detector 9

Table C.6.1: Backgrounds and Individual Analysis Results for Radium in Sediment Samples (Batch 87-4008)

Table C.6.2: Backgrounds and Individual Analysis Results for Radium in Water Samples (Batch 87-4008)

Table C.7.1: Th-Ore and U-Ore Standards for Analysis of Radium in Sediment Matrices

Table C.7.2: Ra-226 Spiked Type II Water for Ion Exchange Resin Method

Table C.7.3: Results for Blank in Region of Interest for Ra-226 Analyses

Table C.8: Quality Control Results for PCB Analyses

Table C.9: Instrument Calibration Verification for Mercury Analysis

Table C.10: Results of EPA EMSL-LV Uranium Cross Check Standards in Liquid Matrix

Table C.11: Results of NBS-SRM Standards for Uranium Analyses in Solid and Liquid Matrices

Table C.12: Matrix Spikes of Fluoride in Solid

Table C.13: Duplicate Results for Total Organics in Glass Fiber Filter Blank

Table C.1.1: DUPLICATE RESULTS FOR FLUORIDE IN FILTERS

Batch Number	Sample Number	Sample Result (mg)	Duplicate Result (mg)	Difference (%)
87-0082	FE0212OT1A	106.0	95.0	10.9
87-0082	FE0216OT1A	6.6	6.5	1.5
87-0096	FE0518FD17	94000.0	102000.0	8.2
87-0096	FE0519FD18	3100.0	2400.0	25.4

TABLE C.1.2: DUPLICATE RESULTS FOR TCLP EXTRACTS OF INORGANICS IN LIQUIDS

Batch Number	Sample Number	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	Relative Difference* (%)
87-0021	FE0422SW24	Ag	<0.1	<0.1	NC
87-0027	FE0713DW1C	Ag	<0.1	<0.1	NC
87-0076	FE0718OT2C	Ag	<0.1	<0.1	NC
87-0084	FE0629DS1B	Ag	<0.1	<0.1	NC
87-0093	FE0131IS1B	Ag	<0.1	<0.1	NC
87-0103	FE0102WP2B	Ag	<0.1	<0.1	NC
87-0111	FE0717OT3C	Ag	<0.1	<0.1	NC
87-0021	FE0422SW2A	As	<0.5	<0.5	NC
87-0027	FE0713DW1C	As	<0.5	<0.5	NC
87-0076	FE0718OT2C	As	<0.5	<0.5	NC
87-0084	FE0629DS1B	As	<0.5	<0.5	NC
87-0093	FE0131IS1B	As	<0.5	<0.5	NC
87-0103	FE0102WP2B	As	<0.5	<0.5	NC
87-0111	FE0717OT3C	As	<0.5	<0.5	NC
87-0021	FE0422SW2A	Ba	0.24	0.1	77.8
87-0027	FE0713DW1C	Ba	0.09	0.14	43.5
87-0076	FE0718OT2C	Ba	0.06	0.06	0
87-0084	FE0629DS1B	Ba	1.05	1.09	3.7
87-0093	FE0131IS1B	Ba	0.50	0.52	3.9
87-0103	FE0102WP2B	Ba	0.55	0.54	1.8
87-0111	FE0717OT3C	Ba	<0.05	<0.05	NC
87-0021	FE0422SW2A	Cd	<0.02	<0.02	NC
87-0027	FE0713DW1C	Cd	<0.02	<0.02	NC
87-0076	FE0718OT2C	Cd	<0.02	<0.02	NC
87-0084	FE0629DS1B	Cd	<0.02	<0.02	NC
87-0093	FE0131IS1B	Cd	<0.02	<0.02	NC
87-0103	FE0102WP2B	Cd	<0.02	<0.02	NC
87-0111	FE0717OT3C	Cd	<0.02	<0.02	NC
87-0021	FE0422SW2A	Cr	<0.03	<0.03	NC
87-0027	FE0713DW1C	Cr	<0.03	<0.03	NC
87-0076	FE0718OT2C	Cr	<0.03	<0.03	NC
87-0084	FE0629DS1B	Cr	<0.03	<0.03	NC
87-0093	FE0131IS1B	Cr	<0.03	<0.03	NC
87-0103	FE0102WP2B	Cr	<0.03	<0.03	NC
87-0111	FE0717OT3C	Cr	<0.03	<0.03	NC
87-0021	FE0419SW2	Hg	<0.001	<0.001	NC
87-0027	FE0707DW1C	Hg	<0.001	<0.001	NC
87-0027	FE0713DW1C	Hg	0.0013	0.0012	8.0
87-0076	FE0803MW14C	Hg	<0.001	<0.001	NC
87-0084	FE0100TIS3B	Hg	<0.001	<0.001	NC
87-0084	FE0633DS1B	Hg	<0.001	<0.001	NC
87-0093	FE01004IS2B	Hg	<0.001	<0.001	NC
87-0093	FE1004IS2B	Hg	<0.001	<0.001	NC
87-0093	FE1010IS3B	Hg	<0.001	<0.001	NC
87-0093	FE1010IS3B	Hg	<0.001	<0.001	NC
87-0103	RE0109SS2B	Hg	<0.001	<0.001	NC
87-0114	FE0615SS1B	Hg	<0.001	<0.001	NC
87-0121	FE0313DR2B	Hg	0.0260	0.0260	NC
87-0121	FE0325DR1B	Hg	<0.001	<0.001	NC
87-0126	FE1012IS2B	Hg	<0.001	<0.001	NC

*NC=Not calculated

TABLE C.1.2 (CONT.): DUPLICATE RESULTS FOR TCLP EXTRACTS OF INORGANICS IN LIQUIDS

Batch Number	Sample Number	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	Relative Difference* (%)
87-0127	FE0124SS1B	Hg	<0.001	<0.001	NC
87-0021	FE0422SW2A	Pb	<0.3	<0.3	NC
87-0027	FE0713DW1C	Pb	<0.3	<0.3	NC
87-0076	FE0718OT2C	Pb	<0.3	<0.3	NC
87-0084	FE0629DS1B	Pb	<0.3	<0.3	NC
87-0093	FE0131IS1B	Pb	<0.3	<0.3	NC
87-0103	FE0102WP2B	Pb	<0.3	<0.3	NC
87-0111	FE0717OT3C	Pb	<0.3	<0.3	NC
87-0021	FE0422SW2A	Se	<0.5	<0.5	NC
87-0027	FE0713DW1C	Se	<0.5	<0.5	NC
87-0076	FE0718OT2C	Se	<0.5	<0.5	NC
87-0084	FE0629DS1B	Se	<0.5	<0.5	NC
87-0093	FE0131IS1B	Se	<0.5	<0.5	NC
87-0103	FE0102WP2B	Se	<0.5	<0.5	NC
87-0111	FE0717OT3C	Se	<0.5	<0.5	NC

**NC=Not calculated*

TABLE C.1.3: DUPLICATE RESULTS FOR MERCURY IN SOLIDS

Batch Number	Sample Number	Sample Result (mg/kg)	Duplicate Result (mg/kg)	Relative Difference* (%)
87-0123	FE0510FD10	<0.05	<0.05	NC
87-0123	FE0522FD21	<0.05	<0.05	NC

*NC=Not calculated

TABLE C.1.4: DUPLICATE RESULTS FOR TOTAL URANIUM IN SOLIDS

Batch Number	Sample Number	Sample Result (mg/kg)	Duplicate Result (mg/kg)	Relative Difference* (%)
87-0006	FE0125SS1B	234.0	241.0	2.9
87-0006	FE0402SE2B	12.0	14.0	15.4
87-0048	FE0607WP1B	9.4	9.4	NC
87-0048	FE0622SS1B	112.0	105.0	6.4
87-0059	FE0231OT2A	850.0	955.0	11.6
87-0060	FE1003IS1B	4.3	5.0	15.0
87-0085	FE0640DS1B	24.0	20.0	18.2
87-0085	FE1009IS3B	1.7	2.0	16.2
87-0096	FE0507FD8	4370.0	4310.0	1.4
87-0096	FE0523FD22	7820.0	6420.0	19.7
87-0116	FE1015IS2B	250.0	253.0	1.2

*NC=Not calculated

TABLE C.1.5: DUPLICATE RESULTS FOR TOTAL URANIUM IN LIQUIDS

Batch Number	Sample Number	Sample Result (µg/L)	Duplicate Result (µg/L)	Relative Difference* (%)
87-0005	FE0404OT1C	635.0	633.0	0.3
87-0005	FE0416SW2	2.4	2.4	NC
87-0005	FE0420SW1	12.0	12.0	NC
87-0046	FE0713OT1C	2920.0	2950.0	1.0
87-0046	FE0717OT1C	24000.0	24600.0	2.5
87-0046	FE0717OT2C	25400.0	26400.0	3.9
87-0046	FE0717OT3C	23200.0	23800.0	2.6
87-0058	FE0715OT1C	754.0	792.0	4.9
87-0058	FE0718OT1C	23500.0	25000.0	6.2
87-0058	FE0718OT2C	24300.0	27800.0	13.4
87-0058	FE0718OT3C	27200.0	25700.0	5.7
87-0058	FE0803MW11C	24.0	22.0	8.7
87-0058	FE0803MW12C	72.0	74.0	2.7
87-0058	FE0803MW14C	15.0	16.0	6.4
87-0058	FE0804MW5C	442.0	406.0	8.5
87-0058	FE0805MW5C	111.0	109.0	1.8
87-0081	FE1007IS1B	13.0	14.0	7.4
87-0081	FE1015IS3B	2230.0	2340.0	4.8
87-0081	FE1015IS4B	3270.0	3420.0	4.5

**NC=Not calculated*

TABLE C.1.6: DUPLICATE RESULTS FOR INORGANIC ANALYSES IN SOLIDS

Batch Number	Sample Number	Analyte	Sample Result mg/kg)	Duplicate Result (mg/kg)	Relative Difference* (%)
87-0123	FE0507FD8	Ag	<10	<10	NC
87-0123	FE0528FD27	Ag	<10	<10	NC
87-0123	FE0507FD8	As	<100	<100	NC
87-0123	FE0528FD27	As	<100	<100	NC
87-0123	FE0507FD8	Ba	71	73	2.8
87-0123	FE0528FD27	Ba	1600	1500	6.4
87-0123	FE0507FD8	Cd	<5	<5	NC
87-0123	FE0528FD27	Cd	<5	<5	NC
87-0123	FE0507FD8	Cr	17	19	11.1
87-0123	FE0528FD27	Cr	49	51	4.0
87-0059	FE0231OT2A	Mg	70900	73200	3.2
87-0096	FE0507FD8	Mg	37000	38100	1.3
87-0096	FE0523FD22	Mg	31700	30100	5.2
87-0059	FE0231OT2A	Pb	67.9	71.8	5.6
87-0123	FE0507FD8	Pb	35.0	39.0	10.8
87-0123	FE0528FD27	Pb	474.0	349.0	30.4
87-0123	FE0507FD8	Se	<20	<20	NC
87-0123	FE0528FD27	Se	<20	<20	NC

*NC=Not calculated

TABLE C.1.7: DUPLICATE RESULTS FOR INORGANIC CLP ANALYSES IN LIQUIDS*

Batch Number	Sample Number	Analyte	Sample Result (ug/L)	Duplicate Result (ug/L)	Relative Difference (%)
87-0083	FE0714OT2C	Al	2080	2080	0
87-0083	FE0714OT2C	Sb	1.5U	1.5U	NC
87-0083	FE0714OT2C	As	2.6U	2.6U	NC
87-0083	FE0714OT2C	Ba	137	128	6.8
87-0083	FE0714OT2C	Be	0.094U	0.094U	NC
87-0083	FE0714OT2C	Cd	[1.7]	[1.5]	NC
87-0083	FE0714OT2C	Ca	46900	47000	0.2
87-0083	FE0714OT2C	Cr	5.7U	5.7U	NC
87-0083	FE0714OT2C	Co	43U	43U	NC
87-0083	FE0714OT2C	Cu	18	17	NC
87-0083	FE0714OT2C	Fe	1760	1760	0
87-0083	FE0714OT2C	Pb	34	32	6.0
87-0083	FE0714OT2C	Mg	27500	27500	0
87-0083	FE0714OT2C	Mn	68	68	0
87-0083	FE0714OT2C	Hg	0.2U	0.2U	NC
87-0083	FE0714OT2C	Ni	24U	24U	NC
87-0083	FE0714OT2C	K	123000	124000	0.8
87-0083	FE0714OT2C	Se	1.3U	1.3U	NC
87-0083	FE0714OT2C	Ag	17	17	0
87-0083	FE0714OT2C	Na	521000	523000	0.4
87-0083	FE0714OT2C	Tl	2.2	2.2	NC
87-0083	FE0714OT2C	V	75	76	1.3
87-0083	FE0714OT2C	Zn	170	170	0

**Bracketed values indicate a result between the instrument detection limit (IDL) and the contract required detection limit (CRDL).*

NC=Not calculated.

U = Analyzed for but not detected. Concentration of analyte was below instrument detection limit, which is the value reported for the analyte.

TABLE C.2.1: LABORATORY PREPARATION BLANKS FOR FLUORIDE IN FILTERS

Batch	Result (mg)
87-0082	<0.02
87-0096	0.04

TABLE C.2.2: LABORATORY TCLP EXTRACTION FLUID BLANKS: INORGANIC ANALYSES

Batch	Analyte	Result (mg/L)
87-0084	Ag	<0.1
87-0084	Ag	<0.1
87-0084	Ag	<0.1
87-0084	Ag	<0.1
87-0084	Ag	<0.1
87-0093	Ag	<0.1
87-0093	Ag	<0.1
87-0093	Ag	<0.1
87-0093	Ag	<0.1
87-0103	Ag	<0.1
87-0103	Ag	<0.1
87-0103	Ag	<0.1
87-0111	Ag	<0.1
87-0111	Ag	<0.1
87-0111	Ag	<0.1
87-0121	Ag	<0.1
87-0121	Ag	<0.1
87-0121	Ag	<0.1
87-0121	Ag	<0.1
87-0123	Ag	<0.1
87-0126	Ag	<0.1
87-0126	Ag	<0.1
87-0084	As	<0.05
87-0084	As	<0.05
87-0084	As	<0.05
87-0084	As	<0.05
87-0084	As	<0.05
87-0093	As	<0.05
87-0093	As	<0.05
87-0093	As	<0.05
87-0093	As	<0.05
87-0103	As	<0.05
87-0103	As	<0.05
87-0103	As	<0.05
87-0111	As	<0.05
87-0111	As	<0.05
87-0111	As	<0.05
87-0121	As	<0.05
87-0121	As	<0.05
87-0121	As	<0.05
87-0121	As	<0.05
87-0123	As	<0.05
87-0126	As	<0.05
87-0126	As	<0.05
87-0084	Ba	<0.05
87-0084	Ba	0.06

TABLE C.2.2 (CONT.): RESULTS OF LABORATORY TCLP EXTRACTION FLUID BLANKS: INORGANIC ANALYSES

Batch	Analyte	Result (mg/L)
87-0084	Ba	<0.05
87-0084	Ba	0.06
87-0084	Ba	0.07
87-0093	Ba	<0.05
87-0093	Ba	<0.05
87-0093	Ba	<0.05
87-0093	Ba	<0.05
87-0103	Ba	0.13
87-0103	Ba	0.08
87-0103	Ba	0.10
87-0111	Ba	0.12
87-0111	Ba	0.13
87-0111	Ba	<0.05
87-0121	Ba	0.08
87-0121	Ba	0.09
87-0121	Ba	<0.05
87-0121	Ba	<0.05
87-0123	Ba	0.08
87-0126	Ba	0.09
87-0126	Ba	0.10
87-0084	Cd	<0.02
87-0084	Cd	<0.02
87-0084	Cd	<0.02
87-0084	Cd	<0.02
87-0084	Cd	<0.02
87-0093	Cd	<0.02
87-0093	Cd	<0.02
87-0093	Cd	<0.02
87-0093	Cd	<0.02
87-0103	Cd	<0.02
87-0103	Cd	<0.02
87-0103	Cd	<0.02
87-0111	Cd	<0.02
87-0111	Cd	<0.02
87-0111	Cd	<0.02
87-0121	Cd	<0.02
87-0121	Cd	<0.02
87-0121	Cd	<0.02
87-0121	Cd	<0.02
87-0123	Cd	<0.02
87-0126	Cd	<0.02
87-0126	Cd	<0.02
87-0084	Cr	<0.03
87-0084	Cr	<0.03
87-0084	Cr	<0.03

TABLE C.2.2 (CONT.): RESULTS OF LABORATORY TCLP EXTRACTION FLUID BLANKS: INORGANIC ANALYSES

Batch	Analyte	Result (mg/L)
87-0084	Cr	<0.03
87-0084	Cr	<0.03
87-0093	Cr	<0.03
87-0093	Cr	<0.03
87-0093	Cr	<0.03
87-0093	Cr	<0.03
87-0103	Cr	<0.03
87-0103	Cr	<0.03
87-0103	Cr	<0.03
87-0111	Cr	<0.03
87-0111	Cr	<0.03
87-0111	Cr	<0.03
87-0121	Cr	<0.03
87-0121	Cr	<0.03
87-0121	Cr	<0.03
87-0121	Cr	<0.03
87-0123	Cr	<0.03
87-0126	Cr	<0.03
87-0126	Cr	<0.03
87-0027	Hg	<0.001
87-0027	Hg	<0.001
87-0084	Hg	<0.001
87-0084	Hg	<0.001
87-0084	Hg	<0.001
87-0084	Hg	<0.001
87-0084	Hg	<0.001
87-0084	Hg	<0.001
87-0093	Hg	<0.001
87-0093	Hg	<0.001
87-0093	Hg	<0.001
87-0103	Hg	<0.001
87-0103	Hg	<0.001
87-0111	Hg	<0.001
87-0114	Hg	<0.001
87-0114	Hg	<0.001
87-0114	Hg	<0.001
87-0114	Hg	<0.001
87-0121	Hg	<0.001
87-0126	Hg	<0.001
87-0133	Hg	<0.001
87-0084	Pb	<0.3
87-0084	Pb	<0.3
87-0084	Pb	<0.3
87-0084	Pb	<0.3
87-0084	Pb	<0.3

TABLE C.2.2 (CONT.): RESULTS OF LABORATORY TCLP EXTRACTION FLUID BLANKS: INORGANIC ANALYSES

Batch	Analyte	Result (mg/L)
87-0093	Pb	<0.3
87-0093	Pb	<0.3
87-0093	Pb	<0.3
87-0093	Pb	<0.3
87-0103	Pb	<0.3
87-0103	Pb	<0.3
87-0103	Pb	<0.3
87-0111	Pb	<0.3
87-0111	Pb	<0.3
87-0111	Pb	<0.3
87-0121	Pb	<0.3
87-0121	Pb	<0.3
87-0121	Pb	<0.3
87-0121	Pb	<0.3
87-0123	Pb	<0.3
87-0126	Pb	<0.3
87-0126	Pb	<0.3
87-0084	Se	<0.5
87-0084	Se	<0.5
87-0084	Se	<0.5
87-0084	Se	<0.5
87-0084	Se	<0.5
87-0093	Se	<0.5
87-0093	Se	<0.5
87-0093	Se	<0.5
87-0093	Se	<0.5
87-0103	Se	<0.5
87-0103	Se	<0.5
87-0103	Se	<0.5
87-0111	Se	<0.5
87-0111	Se	<0.5
87-0111	Se	<0.5
87-0121	Se	<0.5
87-0121	Se	<0.5
87-0121	Se	<0.5
87-0121	Se	<0.5
87-0123	Se	<0.5
87-0126	Se	<0.5
87-0126	Se	<0.5

TABLE C.2.3: LABORATORY PREPARATION BLANKS FOR INORGANIC CLP ANALYSES IN LIQUIDS

Batch	Analyte (mg/L)	Result* (mg/L)
87-0083	Al	[8.1]
87-0083	Sb	1.5U
87-0083	Sb	1.5U
87-0083	As	2.6U
87-0083	As	2.6U
87-0083	Ba	12U
87-0083	Be	0.094U
87-0083	Cd	0.10U
87-0083	Cd	0.10U
87-0083	Ca	[40]
87-0083	Cr	5.7U
87-0083	Co	43U
87-0083	Cu	1.1U
87-0083	Fe	[23]
87-0083	Pb	[3.1]
87-0083	Pb	[1.2]
87-0083	Mg	[19]
87-0083	Mn	[1.2]
87-0083	Hg	0.2U
87-0083	Hg	0.2U
87-0083	Ni	24U
87-0083	K	98U
87-0083	Se	1.3U
87-0083	Se	1.3U
87-0083	Ag	2.3U
87-0083	Na	[38]
87-0083	Tl	2.1U
87-0083	Tl	2.1U
87-0083	V	[3.7]
87-0083	Zn	2.1U

**Bracketed values indicate a result between the instrument detection limit (IDL) and the contract required detection limit (CRDL).*

U = Analyte analyzed for but not detected. Concentration of analyte was below instrument detection limit, which is the value reported for the analyte.

TABLE C.3.1: MATRIX SPIKE RECOVERY FOR MERCURY IN TCLP EXTRACTS

Batch Number	Sample Number	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Spike Added (mg/L)	Recovery (%)
87-0021	FE0420SW2	<0.001	0.005	0.005	100
87-0027	FE0716OT1C	<0.001	0.006	0.005	120
87-0027	FE0717OT2C	<0.001	0.006	0.005	120
87-0076	FE0805MW5C	0.001	0.005	0.005	83
87-0084	FE0127SS1B	<0.001	0.002	0.001	200
87-0084	FE0632DS1B	<0.001	0.002	0.001	200
87-0093	FE0623SS1B	<0.001	0.001	0.001	100
87-0093	FE1005IS1B	<0.001	0.002	0.001	200
87-0103	FE0110SS2B	<0.001	0.001	0.001	100
87-0114	FE0614SE1B	<0.001	0.001	0.001	100
87-0121	FE0320DR2B	<0.001	0.001	0.001	100
87-0126	FE1015IS1B	<0.001	0.001	0.001	100
87-0127	FE0410SE2B	<0.001	0.001	0.001	100

TABLE C.3.2: MATRIX SPIKE RECOVERY FOR INORGANICS IN SOLIDS

Batch Number	Sample Number	Analyte	Sample Result (µg/g)	Spiked Sample Result (µg/g)	Spike Added (µg/g)	Recovery (%)
87-0123	FE0507FD8	Hg	<0.05	0.41	0.48	85.4
87-0123	FE0522FD21	Hg	<0.05	0.56	0.52	107.7
87-0123	FE0507FD8	Ag	<10	<10	50.3	NC* [a]
87-0123	FE0507FD8	As	<100	148	97.3	152.1 [a]
87-0123	FE0507FD8	Ba	72	150	91.3	85.4
87-0123	FE0507FD8	Cd	<5	14	18.7	74.9 [a]
87-0123	FE0507FD8	Cr	18	100	93.0	88.2
87-0123	FE0507FD8	Pb	37	116	98.3	80.4
87-0123	FE0507FD8	Se	<20	88	99.1	88.8 [a]

**NC = Not calculated.*

[a]In retrospect, at the ICP reporting limits defined for Ag (<10 µg/g), As (<100 µg/g), Cd (<5 µg/g), and Se (<20 mg/g), the spike added levels should have been approximately 20-50 times the reporting limit values for best estimations of the percent recoveries.

TABLE C.3.3: MATRIX SPIKE RECOVERY FOR INORGANIC CLP ANALYSES IN LIQUIDS

Batch Number	Sample Number	Analyte	Sample Result* (ug/L)	Spiked Sample Result (ug/L)	Spike Added (ug/L)	Recovery (%)*
87-0083	FE0714OT1C	Al	2120	3940	2000	91.0
87-0083	FE0714OT1C	Sb	1.5U	70	100	70.0N
87-0083	FE0714OT1C	As	2.6U	16	20	80.0
87-0083	FE0714OT1C	Ba	[164]	2030	2000	93.3
87-0083	FE0714OT1C	Be	[0.23]	48	50	96.0
87-0083	FE0714OT1C	Cd	[1.5]	7.3	5	116.0
87-0083	FE0714OT1C	Cr	5.7U	195	200	97.5
87-0083	FE0714OT1C	Co	43U	453	500	90.6
87-0083	FE0714OT1C	Cu	[19]	2410	2500	95.6
87-0083	FE0714OT1C	Fe	1800	2760	1000	96.0
87-0083	FE0714OT1C	Pb	20	36	20	80.0
87-0083	FE0714OT1C	Mn	68	262	200	97.0
87-0083	FE0714OT1C	Hg	0.2U	1	1	100.0
87-0083	FE0714OT1C	Ni	24U	390	400	97.5
87-0083	FE0714OT1C	Se	1.3U	7.9	10	79.0
87-0083	FE0714OT1C	Ag	18	62	50	88.0
87-0083	FE0714OT1C	Tl	2.1U	28	50	56.0N
87-0083	FE0714OT1C	V	77	571	500	98.8
87-0083	FE0714OT1C	Zn	196	439	200	121.5

**Bracketed values indicate a result between the instrument detection limit (IDL) and the contract required detection limit (CRDL).*

U = Analyzed for but not detected. Concentration of analyte was below instrument detection limit, which is the value reported for the analyte.

N = Spiked sample recovery not within control limits.

TABLE C.3.4: MATRIX SPIKE RECOVERY FOR INORGANIC TCLP EXTRACTS IN LIQUIDS

Batch Number	Sample Number	Analyte	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Spike Added (mg/L)	Recovery (%)
87-0021	FE0415SW2	Ag	<0.1	1.78	2.00	89.0
87-0021	FE0415SW2	As	<0.5	3.80	3.87	98.2
87-0021	FE0415SW2	Ba	0.53	3.97	3.63	94.8
87-0021	FE0415SW2	Cd	<0.02	0.68	0.74	91.9
87-0021	FE0415SW2	Cr	<0.03	3.56	3.70	96.2
87-0021	FE0415SW2	Pb	<0.3	3.64	3.91	93.1
87-0021	FE0415SW2	Se	<0.5	3.69	3.94	93.6
87-0027	FE0710DW1C	Ag	<0.1	1.84	2.00	92.0
87-0027	FE0710DW1C	As	<0.5	4.08	3.87	105.4
87-0027	FE0710DW1C	Ba	0.59	4.30	3.63	102.2
87-0027	FE0710DW1C	Cd	<0.02	0.75	0.74	101.4
87-0027	FE0710DW1C	Cr	<0.03	3.80	3.70	102.7
87-0027	FE0710DW1C	Pb	<0.3	4.08	3.91	104.3
87-0027	FE0710DW1C	Se	<0.5	3.97	3.94	100.8
87-0076	FE0803MW12C	Ag	<0.1	1.81	2.00	90.5
87-0076	FE0803MW12C	As	<0.5	3.63	3.87	93.8
87-0076	FE0803MW12C	Ba	0.27	3.54	3.63	90.1
87-0076	FE0803MW12C	Cd	<0.02	0.64	0.74	86.5
87-0076	FE0803MW12C	Cr	0.05	3.43	3.70	92.7
87-0076	FE0803MW12C	Pb	<0.3	3.39	3.91	86.7
87-0076	FE0803MW12C	Se	<0.5	3.53	3.94	89.6
87-0084	FE0638DS1B	Ag	<0.1	1.79	2.00	89.5
87-0084	FE0638DS1B	As	<0.5	3.24	3.87	83.7
87-0084	FE0638DS1B	Ba	0.44	3.67	3.63	90.0
87-0084	FE0638DS1B	Cd	<0.02	0.63	0.74	85.1
87-0084	FE0638DS1B	Cr	<0.03	3.38	3.70	91.4
87-0084	FE0638DS1B	Pb	<0.3	3.50	3.91	89.5
87-0084	FE0638DS1B	Se	<0.5	3.62	3.94	91.9
87-0093	FE1005IS2B	Ag	<0.1	1.78	2.00	89.0
87-0093	FE1005IS2B	As	<0.5	3.85	3.87	99.5
87-0093	FE1005IS2B	Ba	0.28	3.77	3.63	96.1
87-0093	FE1005IS2B	Cd	<0.02	0.69	0.74	93.2
87-0093	FE1005IS2B	Cr	<0.03	3.52	3.70	95.1
87-0093	FE1005IS2B	Pb	<0.3	3.49	3.91	89.2
87-0093	FE1005IS2B	Se	<0.5	3.73	3.94	94.7
87-0103	FE0107WP2B	Ag	<0.1	1.74	2.00	87.0
87-0103	FE0107WP2B	As	<0.5	3.79	3.87	97.9
87-0103	FE0107WP2B	Ba	0.32	3.59	3.63	90.1
87-0103	FE0107WP2B	Cd	<0.02	0.66	0.74	89.2
87-0103	FE0107WP2B	Cr	<0.03	3.36	3.70	90.8
87-0103	FE0107WP2B	Pb	<0.3	3.40	3.91	87.0
87-0103	FE0107WP2B	Se	<0.5	3.75	3.94	95.2
87-0114	FE0604WP1B	Ag	<0.1	1.84	2.00	92.0
87-0114	FE0604WP1B	As	<0.5	3.86	3.87	99.7
87-0114	FE0604WP1B	Ba	0.61	4.07	3.63	95.3
87-0114	FE0604WP1B	Cd	<0.02	0.70	0.74	95.6
87-0114	FE0604WP1B	Cr	<0.03	3.58	3.70	96.8
87-0114	FE0604WP1B	Pb	<0.3	3.76	3.91	96.2
87-0114	FE0604WP1B	Se	<0.5	3.96	3.94	99.5

TABLE C.3.4 (CONT.): MATRIX SPIKE RECOVERY FOR INORGANIC TCLP EXTRACTS IN LIQUIDS

Batch Number	Sample Number	Analyte	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Spike Added (mg/L)	Recovery (%)
87-0114	FE0615SS1B	Ag	<0.1	1.85	2.00	92.5
87-0114	FE0615SS1B	As	<0.5	3.72	3.87	96.1
87-0114	FE0615SS1B	Ba	0.58	3.88	3.63	90.9
87-0114	FE0615SS1B	Cd	<0.02	0.65	0.74	87.8
87-0114	FE0615SS1B	Cr	0.05	3.44	3.70	91.6
87-0114	FE0615SS1B	Pb	<0.3	3.62	3.91	92.6
87-0114	FE0615SS1B	Se	<0.5	3.78	3.94	95.9
87-0126	FE1015IS2B	Ag	<0.1	1.85	2.00	92.5
87-0126	FE1015IS2B	As	<0.5	3.92	3.87	102.3
87-0126	FE1015IS2B	Ba	0.86	4.28	3.63	94.2
87-0126	FE1015IS2B	Cd	<0.02	0.68	0.74	91.9
87-0126	FE1015IS2B	Cr	<0.03	3.52	3.70	95.1
87-0126	FE1015IS2B	Pb	<0.3	3.65	3.91	93.3
87-0126	FE1015IS2B	Se	<0.5	3.95	3.94	100.2
87-0127	FE0412SE2B	Ag	<0.1	1.75	2.00	87.5
87-0127	FE0412SE2B	As	<0.5	3.68	3.87	95.1
87-0127	FE0412SE2B	Ba	1.02	4.38	3.63	92.6
87-0127	FE0412SE2B	Cd	<0.02	0.67	0.74	90.5
87-0127	FE0412SE2B	Cr	<0.03	3.46	3.70	93.5
87-0127	FE0412SE2B	Pb	<0.3	3.63	3.91	92.8
87-0127	FE0412SE2B	Se	<0.5	3.96	3.94	100.5

TABLE C.4: FIELD BLANKS OF FILTERS FOR MAGNESIUM AND FLUORIDE ANALYSES

Batch Number	Sample Number	Analyte	Result (mg)
87-0155	FE0243OT-BLANK	Mg	2.81
87-0155	FE0243OT-BLANK	F	1.90

TABLE C.5.1: ALPHA SPECTROMETRY COUNTING BACKGROUNDS FOR LIQUID SAMPLES Pu, Np ANALYSES, WITH Pu-236 AS THE INTERNAL STANDARD

Batch Number	Sample Number	Analytes	Counter	Average* Background (CPM)	Counting Date
		Np-237,Pu-241+242 Pu-239+240,Pu-238			
87-4009	FE0415SW3C	"	1	0.0010	01/12/87
87-4009	FE0416SW3C	"	1	0.0009	01/15/87
87-4009	FE0419SW3C	"	2	0.0007	01/12/87
87-4009	FE0420SW3	"	3	0.0014	01/12/87
87-4009	FE0422SW3C	"	2	0.0000	01/15/87
87-4009	FE0700DW2C	"	1	0.0013	01/23/87
87-4009	FE0701DW2	"	2	0.0008	01/23/87
87-4009	FE0702DW2C	"	1	0.0013	01/23/87
87-4009	FE0703DW2C	"	2	0.0008	01/23/87
87-4009	FE0704DW2C	"	3	0.0008	01/23/87
87-4009	FE0705DW2C	"	1	0.0011	01/05/87
87-4009	FE0706DW2C	"	3	0.0009	01/15/87
87-4009	FE0707DW2C	"	1	0.0010	01/05/87
87-4009	FE0708DW2C	"	2	0.0008	01/05/87
87-4009	FE0709DW2C	"	3	0.0009	01/23/87
87-4009	FE0710DW2C	"	4	0.0007	01/23/87
87-4009	FE0711DW2C	"	3	0.0007	01/05/87
87-4009	FE0712DW2C	"	4	0.0007	01/05/87
87-4009	FE0713OT3C	"	1	0.0012	02/02/87
87-4009	FE0714OT3B	"	3	0.0008	01/05/87
87-4009	FE0722OT1C	"	4	0.0008	01/05/87
87-4009	FE0723OT1C	"	4	0.0017	01/15/87
87-4009	FE0724OT1B	"	4	0.0004	01/12/87
87-4009	FE0726OT1B	"	4	0.0006	01/23/87
87-4009	REAGENT BLANK	"	4	0.0006	01/23/87

**Arithmetic average of background counts summed over all regions of interest, for all isotopes of interest, for the analytes and internal standard.*

CPM = Counts per minute.

TABLE C.5.2: ALPHA SPECTROMETRY COUNTING BACKGROUNDS FOR LIQUID SAMPLES
Th ANALYSES WITH Th-229 AS THE INTERNAL STANDARD

Batch Number	Sample Number	Analytes	Counter	Average* Background (CPM)	Counting Date
		Th-232,Th-230 Th-228,Th-227			
87-4009	FE0415SW3C	"	5	0.0049	01/08/87
87-4009	FE0416SW3C	"	5	0.0052	01/08/87
87-4009	FE0419SW3C	"	6	0.0029	01/08/87
87-4009	FE0420SW3	"	9	0.0016	01/13/87
87-4009	FE0422SW3C	"	6	0.0039	01/08/87
87-4009	FE0700DW2	"	7	0.0084	01/21/87
87-4009	FE0701DW2	"	5	0.0117	01/21/87
87-4009	FE0702DW2C	"	5	0.0055	01/16/87
87-4009	FE0703DW2C	"	6	0.0066	01/16/87
87-4009	FE0704DW2C	"	7	0.0078	01/16/87
87-4009	FE0705DW2C	"	5	0.0046	01/05/87
87-4009	FE0706DW2C	"	7	0.0044	01/08/87
87-4009	FE0707DW2C	"	5	0.0047	01/08/87
87-4009	FE0708DW2C	"	6	0.0279	01/05/87
87-4009	FE0709DW2C	"	6	0.0189	01/21/87
87-4009	FE0710DW2C	"	8	0.0033	01/17/87
87-4009	FE0711DW2C	"	7	0.0048	01/05/87
87-4009	FE0712DW2C	"	8	0.0027	01/05/87
87-4009	FE0713OT3C	"	6	0.0035	01/08/87
87-4009	FE0714OT3B	"	7	0.0041	01/08/87
87-4009	FE0722OT1C	"	8	0.0030	01/08/87
87-4009	FE0723OT1C	"	8	0.0033	01/08/87
87-4009	FE0724OT1C	"	10	0.0015	01/13/87
87-4009	FE0726OT1B	"	8	0.0039	01/21/87
87-4009	REAGENT BLANK	"	8	0.0037	01/21/87

**Arithmetic average of background counts summed over all regions of interest, for all isotopes of interest, for the analytes and internal standard.*

CPM = Counts per minute

TABLE C.5.3: ALPHA SPECTROMETRY COUNTING BACKGROUNDS FOR SOLID SAMPLES
Pu, Np, Th ANALYSES

Batch Number	Sample Number	Analytes	Counter	Average* Background (CPM)	Counting Date
(Pu-236 - Internal Standard)		Np-237,Pu-241+242 Pu-239+240,Pu-238			
87-4009	FE0301TK1B	"	3	0.0009	01/23/87
87-4009	FE0404SE3B	"	1	0.0015	01/23/87
87-4009	FE0507FD8	"	2	0.0008	01/23/87
87-4009	FE0520FD19	"	3	0.0007	01/23/87
87-4009	FE0521FD20	"	4	0.0007	01/23/87
(Th-229 - Internal Standard)		Th-232,Th-230, Th-228,Th-227			
87-4009	FE0301TK1B	"	5	0.0121	01/21/87
87-4009	FE0404SE3B	"	5	0.0117	01/21/87
87-4009	FE0507FD8	"	5	0.0057	04/13/87
87-4009	FE0520FD19	"	7	0.0080	01/21/87
87-4009	FE0521FD20	"	6	0.0134	01/21/87
87-4009	FE0620SS1B	"	5	0.0128	01/21/87
87-4009	FE0621SS1B	"	6	0.0171	01/21/87
87-4009	FE0622SS1B	"	7	0.0095	01/21/87
87-4009	FE0623SS1B	"	8	0.0039	01/21/87

**Arithmetic average of background counts summed over all regions of interest, for all isotopes of interest, for the analytes and internal standard.*

CPM = Counts per minute.

TABLE C.5.4: INTERNAL STANDARD RECOVERY IN LIQUID MATRIX
Pu, Th ANALYSES (DETERMINED BY ALPHA SPECTROMETRY)

Batch Number	Sample Number	Internal Standard	Internal Standard Result (DPM)	Internal Standard Added (DPM)	Recovery* (%)
87-4009	FE0415SW3C	Pu-236	3.491	3.481	100.3
87-4009	FE0416SW3C	Pu-236	3.500		100.5
87-4009	FE0419SW3C	Pu-236	3.466		99.6
87-4009	FE0420SW3	Pu-236	3.474		99.8
87-4009	FE0422SW3C	Pu-236	3.422		98.3
87-4009	FE0700DW2	Pu-236	3.213		92.3
87-4009	FE0701DW2	Pu-236	2.687		77.2
87-4009	FE0702DW2C	Pu-236	2.757		79.2
87-4009	FE0703DW2C	Pu-236	3.358		96.5
87-4009	FE0704DW2C	Pu-236	3.469		99.6
87-4009	FE0705DW2C	Pu-236	2.552		73.3
87-4009	FE0706DW2C	Pu-236	3.328		95.6
87-4009	FE0707DW2C	Pu-236	2.865		82.3
87-4009	FE0708DW2C	Pu-236	3.070		88.2
87-4009	FE0709DW2C	Pu-236	3.302		94.9
87-4009	FE0710DW2C	Pu-236	3.547		102.0
87-4009	FE0711DW2C	Pu-236	3.226		92.7
87-4009	FE0712DW2C	Pu-236	2.703		77.6
87-4009	FE0713OT3C	Pu-236	3.352		96.3
87-4009	FE0714OT3B	Pu-236	3.049		87.6
87-4009	FE0722OT1C	Pu-236	3.147		90.4
87-4009	FE0723OT1C	Pu-236	3.224		92.6
87-4009	FE0724OT1C	Pu-236	3.288		94.5
87-4009	FE0726OT1B	Pu-236	1.653		47.5
87-4009	REAGENT BLANK	Pu-236	3.290		94.5
87-4009	FE0415SW3C	Th-229	2.540	3.560	71.3
87-4009	FE0416SW3C	Th-229	0.276		7.8
87-4009	FE0419SW3C	Th-229	2.660		74.7
87-4009	FE0420SW3	Th-229	1.440		40.5
87-4009	FE0422SW3C	Th-229	1.160		32.6
87-4009	FE0700DW2	Th-229	2.830		79.5
87-4009	FE0701DW2	Th-229	1.940		54.5
87-4009	FE0702DW2C	Th-229	0.560		15.7
87-4009	FE0703DW2C	Th-229	0.734		20.6
87-4009	FE0704DW2C	Th-229	2.960		83.2
87-4009	FE0705DW2C	Th-229	3.440		96.6
87-4009	FE0706DW2C	Th-229	0.535		15.0
87-4009	FE0707DW2C	Th-229	0.986		27.7
87-4009	FE0708DW2C	Th-229	2.720		76.5
87-4009	FE0709DW2C	Th-229	3.000		84.4

**Recoveries of 100% - 115% are attributable to counting statistics. Low recoveries (less than 25%) are attributable to interferences in the sample matrix. When a low recovery was observed, the counting time for the sample was increased to minimize the effect on the counting statistics.*

DPM = Disintegrations per minute.

TABLE C.5.4 (CONT.): INTERNAL STANDARD RECOVERY IN LIQUID MATRIX
Pu, Th ANALYSES (DETERMINED BY ALPHA SPECTROMETRY)

Batch Number	Sample Number	Internal Standard	Internal Standard Result (DPM)	Internal Standard Added (DPM)	Recovery* (%)
87-4009	FE0710DW2C	Th-229	2.490		69.9
87-4009	FE0711DW2C	Th-229	3.050	3.560	85.6
87-4009	FE0712DW2C	Th-229	3.740		105.1
87-4009	FE0713OT3C	Th-229	2.090		58.7
87-4009	FE0714OT3B	Th-229	2.054		57.7
87-4009	FE0722OT1C	Th-229	3.220		90.6
87-4009	FE0723OT1C	Th-229	0.649		18.2
87-4009	FE0724OT1C	Th-229	2.950		82.9
87-4009	FE0726OT1B	Th-229	0.070		2.0
87-4009	REAGENT BLANK	Th-229	3.100		87.1

**Recoveries of 100% - 115% are attributable to counting statistics. Low recoveries (less than 25%) are attributable to interferences in the sample matrix. When a low recovery was observed, the counting time for the sample was increased to minimize the effect on the counting statistics.*

DPM = Disintegrations per minute.

TABLE C.5.5: INTERNAL STANDARD RECOVERY IN SOLID MATRIX
Pu, Th ANALYSES (DETERMINED BY ALPHA SPECTROMETRY)

Batch Number	Sample Number	Internal Standard	Internal Standard Result (DPM)	Internal Standard Added (DPM)	Recovery* (%)
87-4009	FE0301TK1B	Pu-236	1.1560	3.481	33.2
87-4009	FE0404SE3B	Pu-236	0.1080		3.1
87-4009	FE0507FD8	Pu-236	0.4930		14.2
87-4009	FE0520FD19	Pu-236	1.0410		29.9
87-4009	FE0521FD20	Pu-236	1.5360		44.1
87-4009	FE0301TK1B	Th-229	0.3350	3.560	9.4
87-4009	FE0404SE3B	Th-229	0.0311		0.9
87-4009	FE0507FD8	Th-229	1.9300		54.1
87-4009	FE0520FD19	Th-229	0.0396		1.1
87-4009	FE0521FD20	Th-229	0.1340		3.8
87-4009	FE0620SS1B	Th-229	0.1500		4.2
87-4009	FE0621SS1B	Th-229	0.8040		22.6
87-4009	FE0622SS1B	Th-229	0.9550		26.8
87-4009	FE0623SS1B	Th-229	0.8200		23.0

**Recoveries of 100% - 115% are attributable to counting statistics. Low recoveries (less than 25%) are attributable to interferences in the sample matrix. When a low recovery was observed, the counting time for the sample was increased to minimize the effect on the counting statistics.*

DPM = Disintegrations per minute.

TABLE C.5.6: GAMMA - SPECTROSCOPY CALIBRATION RESULTS (GAMANAL PROGRAM)

Batch Number	Sample Number	Cs-137 Standard DPM* X 10^6	Detector Number	Measured DPM* X 10^6	Error (%)	Date Standard Counted	Date Sample Counted
87-4001	FE0100WP3B	9.85	3	9.863	0.3	09/22/86	09/23/86
87-4001	FE0101WP3B	1.07	9	1.028	0.8	09/22/86	09/22/86
87-4001	FE0102WP3B	9.85	1	9.557	0.6	09/22/86	09/22/86
87-4001	FE0103WP3B	9.85	1	9.557	0.6	09/22/86	09/23/86
87-4001	FE0104WP3B	1.07	9	1.028	0.8	09/22/86	09/23/86
87-4001	FE0105WP3B	9.85	4	9.875	0.7	09/22/86	09/23/86
87-4001	FE0106WP3B	9.85	6	9.826	0.5	09/22/86	09/23/86
87-4001	FE0107WP3B	9.85	1	9.557	0.6	09/22/86	09/24/86
87-4001	FE0108SS3B	9.85	1	9.557	0.6	09/22/86	09/25/86
87-4001	FE0109SS3B	9.85	1	9.557	0.6	09/22/86	09/26/86
87-4001	FE0110SS3B	9.85	3	9.863	0.3	09/22/86	09/24/86
87-4001	FE0111SS3B	9.85	3	9.863	0.3	09/22/86	09/25/86
87-4001	FE0112SS3B	9.85	3	9.863	0.3	09/22/86	09/26/86
87-4001	FE0113SS3B	9.85	6	9.826	0.5	09/22/86	09/26/86
87-4001	FE0114SS3B	9.85	6	9.826	0.5	09/22/86	09/24/86
87-4001	FE0115SS3B	9.85	6	9.826	0.5	09/22/86	09/25/86
87-4001	FE0116SS2B	9.85	4	9.884	0.7	09/30/86	10/02/86
87-4001	FE0117SS2B	9.85	6	9.855	0.4	09/30/86	10/02/86
87-4001	FE0118SS2B	1.07	9	1.022	0.8	09/30/86	10/03/86
87-4001	FE0119SS2B	9.85	1	9.574	0.6	09/30/86	10/03/86
87-4001	FE0120SS2B	9.85	3	9.854	0.3	09/30/86	10/03/86
87-4001	FE0121SS2B	9.85	4	9.884	0.7	09/30/86	10/03/86
87-4001	FE0123SS2B	9.85	6	9.855	0.4	09/30/86	10/03/86
87-4001	FE0124SS2B	1.07	9	1.066	0.7	10/06/86	10/06/86
87-4001	FE0125SS2B	9.85	1	9.493	0.6	10/06/86	10/06/86
87-4001	FE0126SS2B	9.85	6	9.911	0.5	10/13/86	10/15/86
87-4001	FE0127SS2B	1.07	9	1.024	0.8	10/13/86	10/16/86
87-4001	FE0128IS2B	9.85	1	9.497	0.5	11/10/86	11/13/86
87-4001	FE0129IS2B	1.07	9	1.043	1.0	11/10/86	11/13/86
87-4001	FE0130IS2B	1.07	9	1.066	1.0	11/17/86	11/18/86
87-4001	FE0131IS2B	9.85	4	9.815	0.7	11/17/86	11/19/86
87-4001	FE0132IS2B	9.85	4	9.883	0.7	11/10/86	11/13/86
87-4001	FE0133IS2B	1.07	9	1.042	1.0	11/03/86	11/05/86
87-4001	FE0134IS2B	9.85	3	9.866	0.3	11/10/86	11/13/86
87-4001	FE0135IS2B	1.07	9	1.042	1.0	11/03/86	11/06/86
87-4001	FE0136IS2B	9.85	6	9.775	0.5	11/10/86	11/13/86
87-4001	FE0136IS3B	9.85	3	9.903	0.4	12/15/86	12/16/86
87-4001	FE0326DRIB	1.07	9	1.064	0.8	12/15/86	12/16/86
87-4001	FE0327CDRI	9.85	4	9.927	0.7	12/15/86	12/15/86
87-4001	FE0401SE3B	1.07	9	1.028	0.6	09/22/86	09/24/86
87-4001	FE0402SE3B	1.07	9	1.028	0.6	09/22/86	09/25/86
87-4001	FE0403OT2C	9.85	4	9.875	0.7	09/22/86	09/29/86
87-4001	FE0404SE3B	9.85	4	9.875	0.7	09/22/86	09/26/86
87-4001	FE0405SE3B	9.85	1	9.574	0.6	09/30/86	09/30/86
87-4001	FE0406SW2B/C	9.85	3	9.863	0.3	09/22/86	09/29/86
87-4001	FE0407SW2B/C	9.85	6	9.826	0.5	09/22/86	09/29/86
87-4001	FE0408SE3	1.07	9	1.028	0.6	09/22/86	09/30/86
87-4001	FE0409SE3	9.85	1	9.574	0.6	09/30/86	09/30/86
87-4001	FE0410SE3	9.85	3	9.854	0.3	09/30/86	09/30/86
87-4001	FE0411SE3	9.85	4	9.884	0.7	09/30/86	09/30/86

*DPM = Disintegrations per minute

TABLE C.5.6 (CONT.): GAMMA - SPECTROSCOPY CALIBRATION RESULTS (GAMANAL PROGRAM)

Batch Number	Sample Number	Cs-137 Standard DPM* X 10^6	Detector Number	Measured DPM* X 10^6	% Error	Date Standard Counted	Date Sample Counted
87-4001	FE0412SE3	9.85	6	9.855	0.4	09/30/86	09/30/86
87-4001	FE0413SE3	1.07	9	1.022	0.8	09/30/86	10/01/86
87-4001	FE0415SW3	9.85	1	9.574	0.6	09/30/86	10/01/86
87-4001	FE0416SW3C	9.85	3	9.854	0.3	09/30/86	10/01/86
87-4001	FE0417SE2	9.85	4	9.884	0.7	09/30/86	10/01/86
87-4001	FE0418SE3	9.85	6	9.885	0.4	09/30/86	10/01/86
87-4001	FE0419SW3	1.07	9	1.022	0.8	09/30/86	10/02/86
87-4001	FE0420SW3	9.85	1	9.574	0.6	09/30/86	10/02/86
87-4001	FE0421SE2	9.85	3	9.854	0.3	09/30/86	10/02/86
87-4001	FE0422SW3C	9.85	3	9.854	0.3	09/30/86	10/06/86
87-4001	FE0507FD8	1.07	9	1.064	0.8	12/15/86	12/17/86
87-4001	FE0520FD19	9.85	6	9.877	0.4	12/15/86	12/16/86
87-4001	FE0521FD20	1.07	9	1.064	0.8	12/15/86	12/16/86
87-4001	FE0601WP2B	9.85	1	9.493	0.6	10/06/86	10/07/86
87-4001	FE0602WP2B	9.86	3	9.887	0.3	10/06/86	10/07/86
87-4001	FE0603WP2B	9.85	4	9.854	0.6	10/06/86	10/07/86
87-4001	FE0604WP2B	9.85	6	9.838	0.5	10/06/86	10/07/86
87-4001	FE0605WP2B	9.85	4	9.854	0.6	10/06/86	10/07/86
87-4001	FE0607WP2B	9.85	1	9.493	0.6	10/06/86	10/08/86
87-4001	FE0608WP2B	9.85	3	9.887	0.3	10/06/86	10/08/86
87-4001	FE0609WP2B	9.85	4	9.854	0.6	10/06/86	10/08/86
87-4001	FE0610DS2B	9.85	6	9.838	0.5	10/06/86	10/08/86
87-4001	FE0611DS2B	1.07	9	1.066	0.7	10/06/86	10/08/86
87-4001	FE0612DS2B	9.85	1	9.493	0.6	10/06/86	10/09/86
87-4001	FE0613OT2B	9.85	4	9.854	0.6	10/06/86	10/10/86
87-4001	FE0614SE2B	9.85	4	9.854	0.6	10/06/86	10/09/86
87-4001	FE0615SS2B	9.85	6	9.838	0.5	10/06/86	10/09/86
87-4001	FE0616SS2B	9.85	1	9.584	0.6	10/13/86	10/13/86
87-4001	FE0617SS2B	9.85	1	9.535	0.6	01/05/87	01/05/87
87-4001	FE0618SS2B	9.85	1	9.584	0.6	10/14/86	10/14/86
87-4001	FE0619SS2B	9.85	3	9.905	0.3	10/13/86	10/13/86
87-4001	FE0620SS2B	9.85	3	9.905	0.3	10/13/86	10/14/86
87-4001	FE0621SS2B	9.85	6	9.911	0.5	10/13/86	10/14/86
87-4001	FE0622SS2B	9.85	1	9.584	0.6	10/13/86	10/15/86
87-4001	FE0623SS2B	9.85	3	9.905	0.3	10/13/86	10/15/86
87-4001	FE0625DS2B	9.85	1	9.555	0.6	10/27/86	11/03/86
87-4001	FE0626DS2B	1.07	9	1.006	1.0	11/17/86	11/17/86
87-4001	FE0631DS2B	9.85	1	9.555	0.6	10/27/86	11/04/86
87-4001	FE0632DS2B	9.85	1	9.555	0.6	10/27/86	11/05/86
87-4001	FE0633DS2B	1.07	9	1.042	1.0	11/03/86	11/03/86
87-4001	FE0634DS2B	1.07	9	1.042	1.0	11/03/86	11/04/86
87-4001	FE0636DS3B	9.85	1	9.555	0.6	10/27/86	11/06/86
87-4001	FE0638DS2B	9.85	1	9.555	0.6	10/27/86	11/07/86
87-4001	FE0639DS2B	9.85	1	9.497	0.5	11/10/86	11/11/86
87-4001	FE0640DS2B	9.85	3	9.866	0.3	11/10/86	11/11/86
87-4001	FE0700DW	9.85	4	9.871	0.7	11/24/86	12/01/86
87-4001	FE0700DW	9.85	4	9.871	0.7	11/24/86	12/01/86
87-4001	FE0701DW2	9.85	4	9.874	0.6	10/13/86	10/13/86
87-4001	FE0702DW2C	9.85	6	9.838	0.5	10/06/86	10/10/86
87-4001	FE0703DW2C	1.07	9	1.066	0.7	10/06/86	10/10/86

*DPM = Disintegrations per minute

TABLE C.5.6 (CONT.): GAMMA - SPECTROSCOPY CALIBRATION RESULTS (GAMANAL PROGRAM)

Batch Number	Sample Number	Cs-137 Standard DPM* X 10^6	Detector Number	Measured DPM* X 10^6	% Error	Date Standard Counted	Date Sample Counted
87-4001	FE0704DW	1.07	9	1.024	0.8	10/13/86	10/14/86
87-4001	FE0705DW2C	9.85	3	9.887	0.3	10/06/86	10/10/86
87-4001	FE0706DW2C	9.85	4	9.874	0.6	10/13/86	10/14/86
87-4001	FE0707DW2	9.85	6	9.911	0.5	10/13/86	10/13/86
87-4001	FE0708DW2C	1.07	9	1.024	0.8	10/13/86	10/13/86
87-4001	FE0709DW2C	9.85	3	9.905	0.3	10/13/86	10/16/86
87-4001	FE0710DW2C	9.85	4	9.874	0.6	10/13/86	10/16/86
87-4001	FE0711DW2C	9.85	6	9.911	0.5	10/13/86	10/16/86
87-4001	FE0712DW2C	9.85	1	9.584	0.6	10/13/86	10/17/86
87-4001	FE0713OT3C	1.07	9	1.066	0.7	10/06/86	10/09/86
87-4001	FE0714OT3B	9.85	1	9.493	0.6	10/06/86	10/10/86
87-4001	FE0715OT4C	9.85	1	9.555	0.6	10/27/86	10/27/86
87-4001	FE0716OT4C	9.85	3	9.905	0.3	10/13/86	10/17/86
87-4001	FE0717OT4C	9.85	6	9.911	0.5	10/13/86	10/17/86
87-4001	FE0718OT4C	9.85	1	9.555	0.6	10/27/86	10/29/86
87-4001	FE0719SE2B	9.85	4	9.874	0.6	10/13/86	10/15/86
87-4001	FE0720SE2B	9.85	3	9.903	0.4	12/15/86	12/15/86
87-4001	FE0721SE2B	9.85	4	9.927	0.7	12/15/86	12/15/86
87-4001	FE0722OT1C	1.07	9	1.064	0.8	12/15/86	12/15/86
87-4001	FE0723OT1C	9.85	3	9.864	0.4	11/17/86	11/17/86
87-4001	FE0724OT1C	9.85	4	9.815	0.7	11/17/86	11/17/86
87-4001	FE0726OT1B	9.85	1	9.598	0.5	12/22/86	12/22/86
87-4001	FE0726OT2B	9.85	1	9.640	0.5	11/24/86	11/26/86
87-4001	FE0727OT1C2	9.85	6	9.857	0.5	10/27/86	10/27/86
87-4001	FE0727OT1G1	9.85	1	9.555	0.6	10/27/86	10/28/86
87-4001	FE0728SE2B	1.07	9	1.006	1.0	11/17/86	11/19/86
87-4001	FE0803MW9C	9.85	4	9.874	0.6	10/13/86	10/17/86
87-4001	FE0803MW10C	1.07	9	1.076	0.8	01/05/87	01/07/87
87-4001	FE0804MW7C	1.07	9	1.024	0.8	10/13/86	10/17/86
87-4001	FE0805MW7C	1.07	9	1.035	1.1	10/27/86	10/28/86
87-4001	FE1001IS3B	9.85	3	9.864	0.4	11/17/86	11/20/86
87-4001	FE1001IS20	9.85	1	9.584	0.6	10/13/86	10/16/86
87-4001	FE1002IS2B	1.07	9	1.006	1.0	11/17/86	11/20/86
87-4001	FE1003IS1B	9.85	3	9.864	0.4	11/17/86	11/21/86
87-4001	FE1004IS2B	1.07	9	1.006	1.0	11/17/86	11/21/86
87-4001	FE1005IS1B	9.85	1	9.640	0.5	11/24/86	11/24/86
87-4001	FE1005IS2B	9.85	1	9.452	0.6	12/15/86	12/15/86
87-4001	FE1007IS3B	1.07	9	1.086	0.8	11/24/86	11/25/86
87-4001	FE1007IS4B	9.85	6	9.877	0.4	12/15/86	12/15/86
87-4001	FE1007IS5B	1.07	9	1.035	1.1	10/27/86	10/29/86
87-4001	FE1008IS1B	1.07	9	1.086	0.8	11/24/86	11/24/86
87-4001	FE1008IS2B	9.85	3	9.903	0.4	12/15/86	12/17/86
87-4001	FE1009IS2B	9.85	3	9.864	0.4	11/17/86	11/19/86
87-4001	FE1009IS4B	1.07	9	1.042	1.0	11/03/86	11/07/86
87-4001	FE1010IS2B	9.85	1	9.452	0.6	12/15/86	12/16/86
87-4001	FE1010IS4B	1.07	9	1.043	1.0	11/10/86	11/11/86
87-4001	FE1011IS1B	1.07	9	1.066	0.8	12/08/86	12/11/86
87-4001	FE1011IS2B	1.07	9	1.066	0.8	12/08/86	12/10/86
87-4001	FE1012IS1B	9.85	1	9.495	0.6	12/08/86	12/10/86
87-4001	FE1012IS2B	9.85	1	9.495	0.6	12/08/86	12/11/86

*DPM = Disintegrations per minute

TABLE C.5.6 (CONT.): GAMMA - SPECTROSCOPY CALIBRATION RESULTS (GAMANAL PROGRAM)

Batch Number	Sample Number	Cs-137 Standard DPM* X 10^6	Detector Number	Measured DPM* X 10^6	% Error	Date Standard Counted	Date Sample Counted
87-4001	FE1013IS1B	9.85	3	9.842	0.3	12/08/86	12/10/86
87-4001	FE1013IS2B	9.85	3	9.842	0.3	12/08/86	12/11/86
87-4001	FE1014IS1B	9.85	4	9.760	0.7	12/08/86	12/11/86
87-4001	FE1014IS2B	9.85	4	9.760	0.7	12/08/86	12/10/86
87-4001	FE1015IS1B	9.85	6	9.835	0.5	12/08/86	12/11/86
87-4001	FE1015IS2B	9.85	6	9.835	0.5	12/08/86	12/10/86
87-4001	FE1015IS5B	1.07	9	1.035	1.1	10/27/86	10/27/86

**DPM = Disintegrations per minute*

TABLE C.5.7: GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 1 (BATCH 89-4001)

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185[d]	609	662	911	1332[d]	1460
FE0102WP3B	09/22	09/20	0.253	0.714	0.809	0.218	0.020	1.786
FE0103WP3B	09/23	09/20	0.253	0.714	0.809	0.218	0.020	1.786
FE0107WP3B	09/24	09/20	0.253	0.714	0.809	0.218	0.020	1.786
FE0108SS3B	09/25	09/20	0.253	0.714	0.809	0.218	0.020	1.786
FE0109SS3B	09/26	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0119SS2B	10/03	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0125SS2B	10/06	10/05	0.232	0.694	0.748	0.185	0.070	1.799
FE0128IS2B	11/13	11/10	NM	0.671	0.859	0.179	NM	1.652
FE0405SE3B	09/30	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0409SE3	09/30	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0415SW3	10/01	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0420SW3	10/02	09/26	0.196	0.720	0.828	0.231	0.048	1.752
FE0601WP2B	10/07	10/05	0.232	0.694	0.748	0.185	0.070	1.799
FE0607WP2B	10/08	10/05	0.232	0.694	0.748	0.185	0.070	1.799
FE0612DS2B	10/09	100/5	0.232	0.694	0.748	0.185	0.070	1.799
FE0616SS2B	10/13	10/11	NM	0.745	0.814	0.179	NM	1.758
FE0617SS2B	01/05[e]	12/18	0.129	0.692	0.849	0.160	0.025	1.224
FE0618SS2B	10/14	10/11	NM	0.745	0.814	0.179	NM	1.758
FE0622SS2B	10/15	10/11	NM	0.745	0.814	0.179	NM	1.758
FE0625DS2B	11/03	10/31	0.101	0.692	0.816	0.190	0.059	1.732
FE0631DS2B	11/04	10/31	0.101	0.692	0.816	0.190	0.059	1.732
FE0632DS2B	11/05	10/31	0.101	0.692	0.816	0.190	0.059	1.732
FE0636DS3B	11/06	10/31	0.101	0.692	0.816	0.190	0.059	1.732
FE0638DS2B	11/07	10/31	0.101	0.692	0.816	0.190	0.059	1.732
FE0639DS2B	11/11	11/10	NM	0.671	0.859	0.179	NM	1.652
FE0712DW2C	10/17	10/11	NM	0.745	0.814	0.179	NM	1.758
FE0714OT3B	10/10	10/05	0.232	0.694	0.748	0.185	0.070	1.799
FE0715OT4C	10/27	10/24	0.219	0.677	0.838	0.210	0.034	1.745
FE0718OT4C	10/29	10/24	0.219	0.677	0.838	0.210	0.034	1.745
FE0721SE2B	12/15	12/12	0.207	0.710	0.840	0.209	0.043	1.778
FE0726OT1B	12/22	12/18	0.129	0.692	0.849	0.160	0.025	1.224
FE0726OT2B	11/26	11/22	NM	0.706	0.841	0.205	0.048	1.696
FE0727OT1G1	10/28	10/24	0.219	0.677	0.838	0.210	0.034	1.745
FE1001IS2B	10/16	10/11	NM	0.745	0.814	0.179	NM	1.758
FE1005IS1B	11/24	11/22	NM	0.706	0.841	0.205	0.048	1.696
FE1005IS2B	12/15	12/12	0.207	0.710	0.840	0.209	0.043	1.778

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts, with the exception of those in January 1987, occurred in 1986.
[d]NM = Not monitored.
[e]01/05/87

TABLE C.5.7 (CONT.): GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 1 (BATCH 89-4001)

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185	609	662	911	1332	1460
FE1010IS2B	12/16	12/12	0.207	0.710	0.840	0.209	0.043	1.778
FE1012IS1B	12/10	11/28	0.233	0.681	0.816	0.187	0.039	1.747
FE1012IS2B	12/11	11/28	0.233	0.681	0.816	0.187	0.039	1.747

[a]*CPM = Counts per minute.*
[b]*The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:*

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]*All counts, with the exception of those in January 1987, occurred in 1986.*

TABLE C.5.8: GAMMA SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 3

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185	609	662	911	1332	1460
FE0100WP3B	09/23	09/23	0.338	0.653	0.221	0.144	0.062	1.290
FE0110SS3B	09/24	09/23	0.338	0.653	0.221	0.144	0.062	1.290
FE0111SS3B	09/25	09/23	0.338	0.653	0.221	0.144	0.062	1.290
FE0112SS3B	09/26	09/23	0.338	0.653	0.221	0.144	0.062	1.290
FE0120SS2B	10/03	09/28	0.315	0.686	0.242	0.173	0.056	1.337
FE0134IS2B	11/13	11/10	0.291	0.342	0.279	0.177	0.064	1.452
FE0136IS3B	12/16	12/05	0.360	0.809	0.220	0.196	0.102	1.503
FE0406SW2B/C	09/29	09/28	0.315	0.686	0.242	0.173	0.056	1.337
FE0410SE3	09/30	09/28	0.315	0.686	0.242	0.173	0.056	1.337
FE0416SW3C	10/01	09/28	0.315	0.686	0.242	0.173	0.056	1.337
FE0421SE2	10/02	09/28	0.315	0.686	0.242	0.173	0.056	1.337
FE0422SW3C	10/06	10/06	0.284	0.436	0.229	0.165	0.096	1.350
FE0602WP2B	10/06	10/06	0.284	0.436	0.229	0.165	0.096	1.350
FE0608WP2B	10/08	10/06	0.284	0.436	0.229	0.165	0.096	1.350
FE0619SS2B	10/13	10/11	0.309	0.445	0.254	0.165	0.076	1.330
FE0620SS2B	10/14	10/11	0.309	0.445	0.254	0.165	0.076	1.330
FE0623SS2B	10/15	10/11	0.309	0.445	0.254	0.165	0.076	1.330
FE0640DS2B	11/11	11/10	0.291	0.342	0.279	0.177	0.064	1.452
FE0700DW	10/09	10/06	0.284	0.436	0.229	0.165	0.096	1.350
FE0705DW2C	10/10	10/06	0.284	0.436	0.229	0.165	0.096	1.350
FE0709DW2C	10/16	10/11	0.309	0.445	0.254	0.165	0.076	1.330
FE0716OT4C	10/17	10/11	0.309	0.445	0.254	0.165	0.076	1.330
FE0720SE2B	12/15	12/05	0.360	0.809	0.220	0.196	0.102	1.503
FE0723OT1C	11/17	11/14	0.356	0.595	0.223	0.182	0.071	1.396
FE1001IS3B	11/20	11/14	0.356	0.595	0.223	0.182	0.071	1.396
FE1003IS1B	11/21	11/14	0.356	0.595	0.223	0.182	0.071	1.396
FE1008IS2B	12/17	12/17	0.312	0.658	0.232	0.190	0.097	1.475
FE1009IS2B	11/19	11/14	0.356	0.595	0.223	0.182	0.071	1.396
FE1013IS1B	12/10	12/05	0.360	0.809	0.220	0.196	0.102	1.503
FE1013IS2B	12/11	12/05	0.360	0.809	0.220	0.196	0.102	1.503

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts occurred in 1986.

TABLE C.5.9: GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 4

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185	609	662[d]	911[d]	1332[d]	1460
FE0105WP3B	09/23	09/20	0.316	1.727	0.040	0.033	0.092	0.094
FE0116SS2B	10/02	09/28	0.368	2.006	0.050	0.054	0.093	0.111
FE0121SS2B	10/03	09/28	0.368	2.006	0.050	0.054	0.093	0.111
FE0131IS2B	11/19	11/14	0.349	1.514	0.047	0.048	0.091	0.088
FE0132IS2B	11/13	11/10	0.314	0.180	NM	0.049	0.086	0.127
FE0403OT2C	09/29	09/28	0.368	2.006	0.050	0.054	0.093	0.111
FE0404SE3B	09/26	09/25	0.369	4.284	0.069	0.109	0.103	0.540
FE0411SE3	09/30	09/28	0.368	2.006	0.050	0.054	0.093	0.111
FE0417SE2	10/01	09/28	0.368	2.006	0.050	0.054	0.093	0.111
FE0603WP2B	10/07	10/06	0.308	0.665	NM	NM	0.087	0.071
FE0605WP2B	10/07	10/06	0.308	0.665	NM	NM	0.087	0.071
FE0609WP2B	10/08	10/06	0.308	0.665	NM	NM	0.087	0.071
FE0613OT2B	10/10	10/06	0.308	0.665	NM	NM	0.087	0.071
FE0614SE2B	10/09	10/06	0.308	0.665	NM	NM	0.087	0.071
FE0700DW	12/01	11/28	0.305	0.198	0.046	0.048	0.081	0.103
FE0701DW2	10/13	10/11	0.363	0.812	0.048	0.060	0.084	0.090
FE0706DW2C	10/14	10/11	0.363	0.812	0.048	0.060	0.084	0.090
FE0710DW2C	10/16	10/11	0.363	0.812	0.048	0.060	0.084	0.090
FE0719SE2B	10/15	10/11	0.363	0.812	0.048	0.060	0.084	0.090
FE0721SE2B	12/15	12/12	0.357	1.955	0.041	0.046	0.083	0.097
FE0724OT1C	11/17	11/14	0.349	1.514	0.047	0.048	0.091	0.088
FE0803MW9C	10/17	10/11	0.363	0.812	0.048	0.060	0.084	0.090
FE1014IS1B	12/11	12/05	0.323	2.178	0.045	0.049	0.085	0.081
FE1014IS2B	12/10	12/05	0.323	2.178	0.045	0.049	0.085	0.081
FE03273CDR1B	12/15	12/12	0.357	1.955	0.041	0.046	0.083	0.097

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts occurred in 1986.
[d]NM = Not monitored.

TABLE C.5.10: GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 6

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185[d]	609	662[d]	911[d]	1332[d]	1460
FE0106W3B	09/23	09/11	0.203	0.480	0.115	0.138	NM	0.931
FE0113SS3B	09/26	09/24	NM	0.497	NM	0.165	NM	0.919
FE0114SS3B	09/24	09/24	NM	0.497	NM	0.165	NM	0.919
FE0115SS3B	09/25	09/24	NM	0.497	NM	0.165	NM	0.919
FE0117SS2B	10/02	09/28	0.291	0.476	0.101	0.139	NM	0.947
FE0123SS2B	10/03	09/28	0.291	0.476	0.101	0.139	NM	0.947
FE0126SS2B	10/15	10/11	0.251	0.378	0.096	0.144	NM	0.956
FE0136IS2B	11/13	11/10	0.005	0.364	0.087	0.133	NM	0.984
FE0407SW2B/C	09/29	09/28	0.291	0.476	0.101	0.139	NM	0.947
FE0412SE3	09/30	09/28	0.291	0.476	0.101	0.139	NM	0.947
FE0418SE3	10/01	09/28	0.291	0.476	0.101	0.139	NM	0.947
FE0520FD19	12/16	12/12	0.243	0.510	0.090	0.155	NM	0.961
FE0604WP2B	10/07	10/06	0.311	0.387	0.087	0.157	NM	0.913
FE0610DS2B	10/08	10/06	0.311	0.387	0.087	0.157	NM	0.913
FE0615SS2B	10/09	10/06	0.311	0.387	0.087	0.157	NM	0.913
FE0621SS2B	10/14	10/11	0.251	0.378	0.096	0.144	NM	0.956
FE0702DW2C	10/10	10/06	0.311	0.387	0.087	0.157	NM	0.913
FE0707DW2	10/13	10/11	0.251	0.378	0.096	0.144	NM	0.956
FE0711DW2C	10/16	10/11	0.251	0.378	0.096	0.144	NM	0.956
FE0717OT4C	10/17	10/11	0.251	0.378	0.096	0.144	NM	0.956
FE0727OT1C2	10/27	10/22	0.246	0.349	0.092	0.132	NM	0.925
FE1007IS4B	12/15	12/12	0.243	0.510	0.090	0.155	NM	0.961
FE1015IS1B	12/11	12/05	0.221	0.510	0.080	0.144	NM	0.941
FE1015IS2B	12/10	12/05	0.221	0.510	0.080	0.144	NM	0.941

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts occurred in 1986.
[d]NM = Not monitored.

TABLE C.5.11: GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 9

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185[d]	609	662	911	1332[d]	1460
FE0101WP3B	09/22	09/09	NM	0.247	0.150	0.091	NM	0.715
FE0104WP3B	09/23	09/09	NM	0.247	0.150	0.091	NM	0.715
FE0118SS2B	10/03	09/28	0.182	0.277	0.192	0.088	NM	0.690
FE0124SS2B	10/06	10/06	NM	0.259	0.129	0.110	NM	0.761
FE0127SS2B	10/16	10/11	0.147	0.226	0.141	0.075	NM	0.717
FE0129IS2B	11/13	11/10	NM	0.233	0.176	0.092	NM	0.743
FE0130IS2B	11/18	11/14	NM	0.265	0.168	0.096	NM	0.738
FE0133IS2B	11/05	10/31	0.161	0.206	0.152	0.102	NM	0.732
FE0135IS2B	11/06	10/31	0.161	0.206	0.152	0.102	NM	0.732
FE0326DRIB	12/16	12/12	NM	0.253	0.177	0.095	NM	0.728
FE0401SE3B	09/24	09/09	NM	0.247	0.150	0.091	NM	0.715
FE0402SE3B	09/25	09/09	NM	0.247	0.150	0.091	NM	0.715
FE0408SE3	09/30	09/28	0.182	0.277	0.192	0.088	NM	0.690
FE0413SE3	10/01	09/28	0.182	0.277	0.192	0.088	NM	0.690
FE0419SW3	10/02	09/28	0.182	0.277	0.192	0.088	NM	0.690
FE0507FD8	12/17	12/12	NM	0.253	0.177	0.095	NM	0.728
FE0521FD2C	12/16	12/12	NM	0.253	0.177	0.095	NM	0.728
FE0611DS2B	10/08	10/06	NM	0.259	0.129	0.110	NM	0.761
FE0626DS2B	11/17	11/14	NM	0.265	0.168	0.096	NM	0.738
FE0633DS2B	11/03	10/31	0.161	0.206	0.152	0.102	NM	0.732
FE0634DS2B	11/04	10/31	0.161	0.206	0.152	0.102	NM	0.732
FE0703DW2C	10/10	10/06	NM	0.259	0.129	0.110	NM	0.761
FE0704DW	10/14	10/11	0.147	0.226	0.141	0.075	NM	0.717
FE0708DW2C	10/13	10/11	0.147	0.226	0.141	0.075	NM	0.717
FE0713OT3C	10/09	10/06	NM	0.259	0.129	0.110	NM	0.761
FE0722OT1C	12/15	12/12	NM	0.253	0.177	0.095	NM	0.728
FE0728SE2B	11/19	11/14	NM	0.265	0.168	0.096	NM	0.738
FE0803MW10C	01/07[e]	12/18	0.156	0.246	1.038	0.095	NM	0.724
FE0804MW7C	10/17	10/11	0.147	0.226	0.141	0.075	NM	0.717
FE0805MW7C	10/28	10/24	0.114	0.233	0.187	0.083	NM	0.733
FE1002IS2B	11/20	11/14	NM	0.265	0.168	0.096	NM	0.738
FE1004IS2B	11/21	11/14	NM	0.265	0.168	0.096	NM	0.738
FE1007IS3B	11/25	11/22	NM	0.223	0.166	0.085	NM	0.705
FE1007IS5B	10/29	10/24	0.114	0.233	0.187	0.083	NM	0.733
FE1008IS1B	11/24	11/22	NM	0.223	0.166	0.085	NM	0.705

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts , with the exception of those in January 1987, occurred in 1986.
[d]NM = Not monitored.
[e]01/07/87.

TABLE C.5.11 (CONT.): GAMMA-SPECTROSCOPY ROOM BACKGROUND MONITORED ON DETECTOR 9

Sample Number	Date Counted		Background (CPM)[a] at Energy Level (KeV)[b]					
	Sample[c]	Background[c]	185[d]	609	662	911	1332[d]	1460
FE1009IS4B	11/07	10/31	0.161	0.206	0.152	0.102	NM	0.732
FE1010IS4B	11/11	11/10	NM	0.233	0.176	0.092	NM	0.743
FE1011IS1B	12/11	12/08	NM	0.242	0.170	0.093	0.090	0.699
FE1011IS2B	12/10	12/08	NM	0.242	0.170	0.093	0.090	0.699
FE1015IS5B	10/27	10/24	0.114	0.233	0.187	0.083	NM	0.733

[a]CPM = Counts per minute.
[b]The background energies monitored in kiloelectron volts (KeV) for gamma spectroscopy are characteristic of the following analytes:

185 KeV	*U-235 and/or radium/radon decay chain*
609 KeV	*Ra-226*
662 KeV	*Cs-137*
911 KeV	*Th-232*
1332 KeV	*Co-60*
1460 KeV	*K-40*

[c]All counts , with the exception of those in January 1987, occurred in 1986.
[d]NM = Not monitored.

TABLE C.6.1: BACKGROUNDS AND INDIVIDUAL ANALYSIS RESULTS FOR RADIUM IN SEDIMENT SAMPLES (BATCH 87-4008)

Sample Number	Reported Ra-226 Avg. Conc. (pCi/g)[b]	Meas. Ra-226 Conc. (pCi/g)[b]	ROI[a] (CPM)[c]	ROI[a] Bkgd. (CPM)[c]	Counting Time (min)	Counting Date
FE0301TK1B	1.93	1.90	3269.2	220.2	91.0	01/07/87
FE0301TK1B	1.93	1.78	3347.1	220.2	87.0	01/09/87
FE0301TK1B	1.93	1.97	3326.4	220.2	87.0	01/12/87
FE0301TK1B	1.93	2.00	3357.3	220.2	88.0	02/16/87
FE0301TK1B	1.93	2.00	3353.3	220.2	86.0	02/17/87
FE0308TK1B	65.21	64.43	24209.6	220.2	12.4	01/09/87
FE0308TK1B	65.21	65.24	24093.7	220.2	12.5	01/12/87
FE0308TK1B	65.21	64.58	23979.7	220.2	12.5	02/16/87
FE0308TK1B	65.21	66.59	23970.6	220.2	12.4	02/17/87
FE0401SE4B	0.82	0.76	826.7	217.0	200.0	12/06/86
FE0401SE4B	0.82	0.81	842.8	219.6	200.0	12/13/86
FE0401SE4B	0.82	0.84	843.4	220.2	200.0	01/12/87
FE0401SE4B	0.82	0.86	840.4	220.2	200.0	02/13/87
FE0402SE4B	1.27	1.21	1088.5	217.0	200.0	12/06/86
FE0402SE4B	1.27	1.27	1097.5	219.6	200.0	12/14/86
FE0402SE4B	1.27	1.29	1091.8	220.2	200.0	01/13/87
FE0402SE4B	1.27	1.32	1093.6	220.2	200.0	02/13/87
FE0404SE3B	0.75	0.71	754.7	220.2	200.0	01/09/87
FE0404SE3B	0.75	0.74	762.7	220.2	200.0	01/13/87
FE0404SE3B	0.75	0.80	769.9	220.2	200.0	02/14/87
FE0408SE4B	0.61	0.61	609.7	219.6	200.0	12/14/86
FE0408SE4B	0.61	0.61	605.9	220.2	200.0	02/13/87
FE0409SE4B	0.59	0.46	693.0	217.0	200.0	12/06/86
FE0409SE4B	0.59	0.48	693.4	219.6	200.0	12/14/86
FE0409SE4B	0.59	0.51	695.2	220.2	200.0	02/14/86
FE0410SE3	0.82	0.76	768.0	219.2	200.0	11/19/86
FE0410SE3	0.82	0.87	802.3	217.0	200.0	12/05/86
FE0410SE3	0.82	0.84	807.3	220.2	200.0	02/14/87
FE0411SE3	0.66	0.60	596.2	219.2	200.0	11/19/86
FE0411SE3	0.66	0.67	621.3	217.0	200.0	12/05/86
FE0411SE3	0.66	0.72	617.3	220.2	200.0	02/14/87
FE0412SE4B	1.87	1.90	1873.1	220.2	149.0	12/02/86
FE0412SE4B	1.87	1.70	1853.7	220.2	150.0	12/11/86
FE0412SE4B	1.87	1.91	1884.2	220.2	151.0	12/14/86
FE0412SE4B	1.87	1.87	1873.5	220.2	154.0	01/13/87
FE0412SE4B	1.87	1.99	1867.3	220.2	158.0	02/14/87

[a]ROI = Region of Interest for Ra-226
[b]pCi/g = picoCuries per gram
[c]CMP = Counts per minute

TABLE C.6.1 (CONT.): BACKGROUNDS AND INDIVIDUAL ANALYSIS RESULTS FOR RADIUM IN SEDIMENT SAMPLES (BATCH 87-4008)

Sample Number	Reported Ra-226 Avg. Conc. (pCi/g)[b]	Meas. Ra-226 Conc. (pCi/g)[b]	ROI[a] (CPM)[c]	ROI[a] Bkgd. (CPM)[c]	Counting Time (min)	Counting Date
FE0413SE3	0.69	0.69	932.1	220.2	200.0	12/06/86
FE0728SE2B	0.72	0.68	640.6	220.6	200.0	12/02/86
FE0728SE2B	0.72	0.71	637.5	217.0	200.0	12/06/86
FE0728SE2B	0.72	0.69	636.9	220.2	400.0	01/04/87
FE0728SE2B	0.72	0.77	634.5	220.2	200.0	02/17/87
FE0728SE2B	0.72	0.76	637.8	220.2	200.0	02/18/87

[a]*ROI = Region of Interest for Ra-226*
[b]*pCi/g = picoCuries per gram*
[c]*CMP = Counts per minute*

TABLE C.6.2: BACKGROUNDS AND INDIVIDUAL ANALYSIS RESULTS FOR RADIUM IN WATER SAMPLES (BATCH 87-4008)

Sample Number	Reported Ra-226 Avg. Conc. (pCi/g)[b]	Meas. Ra-226 Conc. (pCi/g)[b]	ROI[a] (CPM)[c]	ROI[a] Bkgd. (CPM)[c]	Counting Time (min)	Counting Date
FE0415SW3	<5.9	-1.52	220.6	221.3	400	12/28/86
FE0415SW3	<5.9	-0.44	216.9	218.6	400	01/26/87
FE0416SW3C	<5.9	0.05	218.8	218.6	400	01/27/87
FE0419SW3C	<5.9	3.24	220.6	218.6	400	01/27/87
FE0420SW3C	<5.9	0.90	221.0	221.2	400	12/31/86
FE0420SW3C	<5.9	2.44	219.9	218.6	400	01/27/87
FE0422SW3C	<5.9	-0.37	220.1	221.2	400	12/31/86
FE0422SW3C	<5.9	-0.56	220.7	220.2	200	01/09/87
FE0422SW3C	<5.9	1.97	219.9	218.6	400	01/27/87
FE0700DW2	<5.9	1.18	223.7	221.2	400	01/20/87
FE0701DW2	<5.9	0.23	221.2	221.2	400	01/21/87
FE0702DW2C	<5.9	-1.27	219.4	221.2	400	01/21/87
FE0703DW2C	<5.9	1.00	220.7	221.2	400	01/21/87
FE0704DW2C	<5.9	-1.30	219.7	221.2	400	01/22/87
FE0705DW2C	<5.9	1.64	221.3	221.2	400	01/22/87
FE0706DW2C	<5.9	3.67	220.7	218.1	400	01/23/87
FE0707DW2C	<5.9	1.73	219.7	218.1	400	01/23/87
FE0708DW2C	<5.9	0.09	219.0	218.1	400	01/23/87
FE0709DW2C	<5.9	0.47	219.5	218.1	400	01/23/87
FE0710DW2C	<5.9	1.62	220.0	218.1	400	01/24/87
FE0711DW2C	<5.9	2.25	219.6	218.1	400	01/24/87
FE0712DW2C	<5.9	2.68	225.7	222.3	400	12/27/86
FE0712DW2C	<5.9	4.87	225.8	218.1	400	01/24/87
FE0713OT3C	7.7	9.21	277.1	220.0	400	12/28/86
FE0713OT3C	7.7	6.22	278.3	220.0	400	01/25/87
FE0714OT3B	7.0	7.00	285.0	220.0	400	01/31/87
FE0722OT1C	<5.9	0.58	220.4	218.9	400	01/29/87

[a]ROI = Region of Interest for Ra-226
[b]pCi/g = picoCuries per gram
[c]CMP = Counts per minute

TABLE C.6.2 (CONT.): BACKGROUNDS AND INDIVIDUAL ANALYSIS RESULTS FOR RADIUM IN WATER SAMPLES (BATCH 87-4008)

Sample Number	Reported Ra-226 Avg. Conc. (pCi/g[b])	Meas. Ra-226 Conc. (pCi/g[b])	ROI[a] (CPM)[c]	ROI[a] Bkgd. (CPM)[c]	Counting Time (min)	Counting Date
FE0723OT1C	<5.9	-2.09	218.8	221.2	400	12/30/86
FE0723OT1C	<5.9	0.68	220.4	218.9	400	01/30/87
FE0724OT1C	<5.9	-0.59	220.3	221.2	400	12/31/86
FE0724OT1C	<5.9	1.27	220.3	218.9	400	01/30/87
FE0726OT1B	<5.9	-1.50	261.8	218.6	400	01/28/87
FE0726OT1B	<5.9	-1.76	264.1	218.9	400	02/02/87
FE0726OT1B	<5.9	1.65	261.7	217.8	400	02/13/87

[a]ROI = Region of Interest for Ra-226
[b]pCi/g = picoCuries per gram
[c]CMP = Counts per minute

TABLE C.7.1: Th-ORE AND U-ORE STANDARDS FOR ANALYSIS OF RADIUM IN SEDIMENT MATRICES

Sample	Date	Analyte	Spiked Sample Results (pCi)[b]	Spike Added (pCi)[b]	Recovery[a] (%)
CMUORE	01/12/87	Ra-226	13238.0	13158.0	100.6
CMUORE	02/16/87	Ra-226	13122.0	13158.0	99.7
CMUORE	02/17/87	Ra-226	13222.0	13158.0	100.4
CMTHORE	12/02/86	Ra-228	16569.3	15646.4	105.9
CMTHORE	12/11/86	Ra-228	16173.8	15646.4	103.3
CMTHORE	01/12/87	Ra-228	16692.9	15646.4	106.6
CMTHORE	02/16/87	Ra-228	15951.5	15646.4	101.9
CMTHORE	02/17/87	Ra-228	15996.5	15646.4	102.2

[a]*Recoveries of over 100% are attributable to counting statistics.*
[b]*picoCuries*

TABLE C.7.2: Ra-226 SPIKED TYPE II WATER FOR ION EXCHANGE RESIN METHOD

Sample	Date	Analyte	Spiked Sample Results (pCi)[b]	Spike Added (pCi)[b]	Recovery[a] (%)
CMRA6A	12/11/86	Ra-226	1968.7	2017.3	97.6
CMRA6A	02/17/87	Ra-226	2037.3	2017.3	101.0

[a]Recoveries of over 100% are attributable to counting statistics.
[b]picoCuries

TABLE C.7.3: RESULTS FOR BLANKS IN REGION OF INTEREST FOR Ra-226 ANALYSES

Blank Identifier	Date	Counts per Minute (CPM)*
RESIN08	12/11/86	220.5
RESIN08	12/12/86	222.3
RESIN08	12/14/86	219.6
RESIN08	12/18/86	220.0
RESIN08	12/29/86	221.3
RESIN08	01/01/87	221.2
RESIN08	01/04/87	220.2
WATER4	01/07/87	218.6
WATER4	01/08/87	218.4
WATER4	01/10/87	220.1
RESIN08	01/22/87	221.2
RESIN08	01/25/87	218.1
RESIN08	01/28/87	218.6
RESIN08	01/31/87	218.9
RESIN08	02/03/87	218.7
WATER8	02/04/87	217.8
WATER8	02/06/87	217.5
WATER8	02/11/87	218.9
WATER8	02/13/87	220.0
WATER8	02/16/87	218.3
WATER8	02/18/87	217.8

**Note that all CPM values are at background levels as indicated in tables C.6.1 and C.6.2; hence they are not identified with particular samples. An appropriate matrix blank was counted with each set of samples. Preset conditions counted the blank for 200 min or 300,000 total counts in the region of interest (ROI). The ROI is channels 10-500 in a 511 channel memory region with a maximum energy of ~3MeV.*

TABLE C.8: QUALITY CONTROL RESULTS FOR PCB ANALYSES

Sample Type	Analyte	Sample Result (PPM)	Standard	Units	Recovery (%)	Matrix
Blank	Aroclor-1242	<3	NA	mg/kg	NA	oil/solvent
Blank	Aroclor-1248	<4	NA	mg/kg	NA	oil/solvent
Blank	Aroclor-1254	<2	NA	mg/kg	NA	oil/solvent
Blank	Aroclor-1260	<1	NA	mg/kg	NA	oil/solvent
Blank	Aroclor-1242	<0.3	NA	mg/kg	NA	soil
Blank	Aroclor-1248	<0.4	NA	mg/kg	NA	soil
Blank	Aroclor-1254	<0.2	NA	mg/kg	NA	soil
Blank	Aroclor-1260	<0.3	NA	mg/kg	NA	soil
Blank	Aroclor-1242	<0.1	NA	µg/L	NA	water
Blank	Aroclor-1248	<0.2	NA	µg/L	NA	water
Blank	Aroclor-1254	<0.05	NA	µg/L	NA	water
Blank	Aroclor-1260	<0.1	NA	µg/L	NA	water
QC	Aroclor-1242	115	100	mg/kg	115	oil/solvent
QC	Aroclor-1248	<3	0	mg/kg	NA	oil/solvent
QC	Aroclor-1254	<1	0	mg/kg	NA	oil/solvent
QC	Aroclor-1260	<2	0	mg/kg	NA	oil/solvent

TABLE C.9: INSTRUMENT CALIBRATION VERIFICATION FOR MERCURY ANALYSIS

Batch Number	InitialCalibration Verification (% R)[a]	Continuing Calibration Verification (% R)*
87-0021	91%	99.0% 101.0%
87-0027	105%	88.0% 105.0%
87-0076	95%	105.0% 99.6% 97.0%
87-0084	107%	101.0% 108.0%
87-0111	93%	104.0% 96.0% 106.0% 100.0% 94.0%
87-0114	106%	99.0% 101.0%
87-0121	108%	101.0% 94.0%
87-0123	106%	101.0% 100.0% 105.0%
87-0126	100%	105.0% 105.0%
87-0127	104%	96.0% 94.0%

$$^{*}\%R = \frac{\text{Found concentration}}{\text{True Concentration}} \times 100$$

%R control limits for mercury are 80% to 120%

TABLE C.10: RESULTS OF EPA EMSL-LV URANIUM CROSS CHECK STANDARDS IN LIQUID MATRIX

Batch Number	Sample Result (µg/L)	Standard (µg/L)	Difference (%)
87-0046	55.9	58.0	3.6
87-0048	52.0	58.0	10.3
87-0058	53.0	58.0	8.6
87-0058*	52.0	58.0	10.3
87-0059	55.0	58.0	5.2
87-0060	53.0	58.0	8.6
87-0081	55.0	58.0	5.2
87-0082	55.0	58.0	5.2
87-0085	56.0	58.0	3.4
87-0085*	55.0	58.0	5.2
87-0096	53.0	58.0	8.6
87-0096*	55.0	58.0	5.2
87-0116	52.0	58.0	10.3
87-0135	53.0	58.0	8.6
87-0134	53.0	58.0	8.6
87-0155	57.0	58.0	1.7

**Duplicate*

TABLE C.11: RESULTS OF NBS-SRM STANDARDS FOR URANIUM ANALYSES IN SOLID AND LIQUID MATRICES

Batch Number	Sample Result	Standard	Units	Difference (%)	Matrix
86-0709	5.8	5.5*	mg/kg	5	Solid
87-0059	208.0	200.0**	µg/L	4	Liquid
87-0059***	215.0	200.0	µg/L	8	Liquid
87-0060	213.0	200.0	µg/L	7	Liquid
87-0081	208.0	200.0	µg/L	4	Liquid
87-0082	240.0	202.0****	µg/L	19	Liquid
87-0085	215.0	200.0	µg/L	8	Liquid
87-0096	214.0	200.0	µg/L	7	Liquid
87-0096***	210.0	200.0	µg/L	5	Liquid
87-0116	213.0	202.0	µg/L	5	Liquid
87-0135	219.0	202.0	µg/L	8	Liquid
87-0134	213.0	202.0	µg/L	5	Liquid

* *NBS-SRM certificate value 5.5 mg U/kg*
** *NBS-SRM uranium standard prepared to 200 µg/L*
*** *Duplicate*
**** *NBS-SRM uranium standard prepared to 202 µg/L*

TABLE C.12: MATRIX SPIKES OF FLUORIDE IN SOLID

Batch Number	Sample Result (mg)	Standard (mg)	Difference (%)
87-0082	1.14	1.55	103
87-0082	1.62	1.55	105
87-0096	1.52	1.46	104
87-0096	1.64	1.60	102
87-0096	2.43	2.57	95
87-0155	2.58	2.52	102

TABLE C.13: DUPLICATE RESULTS FOR TOTAL ORGANICS IN GLASS FIBER FILTER BLANK

Sample Number	Analyte*	Sample Result (mg)	Duplicate Result (mg)	Difference (%)
FE02490T	TOC	0.27	0.23	14.8
FE02490T	TOH	0.011	0.011	0.0

* *TOC = Total Organic Carbon*
TOH = Total Organic Halogen

APPENDIX D

EPA AUDITS OF ALL ANALYTICAL CHEMISTRY LABORATORY

EPA Environmental Monitoring Systems Laboratory -
Las Vegas vist to the Argonne National Laboratory
Analytical Chemistry Laboratory
December 10, 1986

EPA Environmental Monitoring Systems Laboratory -
Las Vegas on-site evaluation of the Argonne National
Laboratory Analytical Chemistry Laboratory
March 17, 1987

FMPC S&A Data Doc.
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF RESEARCH AND DEVELOPMENT
ENVIRONMENTAL MONITORING SYSTEMS LABORATORY-LAS VEGAS
P.O. BOX 15027, LAS VEGAS, NEVADA 89114-5027 • 702/798-2100 (FTS 545-2100)

JAN 6 1987

SUBJECT: Special On-Site Laboratory Visit at Argonne National Laboratory, Argonne, Illinois

FROM: David W. Bottrell
Quality Assurance and Methods Development Division
Quality Assurance Research Branch

TO: Karen Knight
Office of Environmental Audits and Compliance
Department of Energy, Headquarters

This on-site was conducted at your request on December 10, 1986. As the time available from our scheduled analytical meeting was limited to approximately an hour, individual aspects of the laboratory investigation were divided between Keith Aleckson (LEMSCo) and myself. The survey of inorganic procedures was conducted by Keith and is included as attachment 1. My report covers the organic analytical functions and a general integrated summary of the facility. Keith had visited the laboratory during a previous audit and was able to note changes in operation that had been implemented. I had not visited the facility previously. Therefore, my observations and recommendations are associated with the initial LEMSCo evaluation (attachment 2).

cc:
John Moore EMSL-LV
David Green ANL
Peter Lindahl ANL

Laboratory:	Argonne National Laboratory (ANL)
Date:	December 10, 1986
Type of Evaluation:	Combined Organic and Inorganic

FMPC S&A Data Doc.
Issue Date: 06/17/88
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Laboratory Evaluation Personnel:

Karen Knight	DOE, HDQ
David W. Bottrell	US EPA, EMSL-LV
Keith A. Aleckson	LEMSCo
Judith E. Gebhart	Battelle, Columbus Division

ANL Personnel Contacted:

David W. Green	Laboratory Manager
Peter C. Lindahl	Project Manager
Ronald J. Winegender	GC/MS Supervisor
K. Jensen	Inorganic Coordinator
A. Boparai	Extraction/Screening Coordinator

The purpose of this laboratory tour was to provide a second opinion relating to problems observed by Karen Knight and Judith Gebhart during a tour conducted December 9, 1986 and to compare current practices/capabilities to those reported in the prior EMSL audit. Although the available time was not sufficient for a complete evaluation, all main functional areas were surveyed. These included sample receiving/storage, sample preparation, inorganic analysis, organic analysis, and pesticide/PCB analysis. General comments that apply to conditions across various operational groups and comments specific to individual areas are listed below.

General Comments

1. Standard Operating Procedures (SOPs) are essential to insure uniform analytical procedures. This is especially true during initial involvement and when the addition of new personnel is required. This project represents a change in functional requirements from research to a production mode of operation. This transition represents a drastic philosophical shift that necessitates the establishment and managerial monitoring of standardized operations.

It was noted that some set procedures have been developed and others have not been finalized due to frequent method modifications, e.g. screening protocols. However, the absolute necessity of this documentation must be emphasized by ANL management.

2. A program QA/QC coordinator that evaluates program performance but reports directly to upper management is necessary. This individual is identified in the organizational chart (attachment 3) provided by ANL. This person or the Project Manager, Peter Lindahl, must understand the program requirements and be familiar with all technical and documentary requirements. Submission of the performance samples and ANL recruitment actions indicate progress. Peter Lindahl has been extremely conscientious in his efforts, but this project is beyond the capacity of a single individual.

3. During the on-site, several areas were noted in which suggested corrective steps had been implemented. These involved documentation of water quality (inorganic), balance logs, and standard logs. Other required documentation, e.g. injection logs, cannot be developed without sample processing. This is one reason for the suggestion that actual samples be processed through the entire system to identify problems and establish "routine" operation.

4. A final general comment is that logbooks must be reviewed by management and this process must be documented. This can be accomplished simply by periodic inspections to verify adherence to established procedures. Initialling of log pages documents managerial review. This administrative involvement is essential to establish acceptable performance during the development of group operations.

SUGGESTIONS RELATING TO SPECIFIC LABORATORY FUNCTIONS

Sample Receiving

Requirements and suggestions for establishment of sample logging, custody, and storage procedures/documentation were discussed with lab personnel and management. Facilities are adequate but standard procedures are lacking. SOPs are essential for current and newly recruited personnel. The National Enforcement Investigation Center provides generic documentation that should assist in meeting requirements for this area. A copy of this information was provided to Steve Ballou during a recent sampling meeting.

An example is the lack of definition for unacceptable storage conditions and actions required when refrigeration units malfunction.

Sample Processing/Screening

An ultrasonic probe has been received; but to insure the availability of functional equipment, a second apparatus is necessary. Redundancy in this basic, essential function is required. One potential problem is that bottled semi-volatile standards are stored in this area. They represent a potential source of contamination and should be moved to a standards area. Generally, facilities are cramped, but functional.

Specific protocols have not been finalized, but several potential problems appear likely under planned operating conditions. Hewlett-Packard mass selective detectors are planned for analyses that require less documentation, and research instruments have been identified for analyses that require full CLP data package submission. The object of partial and full data deliverables is that full analysis represents all analyses. The scheme that ANL plans is technically consistent. Both instruments are quadrupole instruments, but the application of a triple stage research instrument is not equivalent to a mass selective detector (MSD). The basic premise of the procedure depends upon comparability of the analytical systems. ANL planned applications may not be consistent with DOE objectives.

A final observation relating the MSD's is that these analytical systems are new and relatively untested. Software that will readily provide required documentation may not exist. Personnel performing these analyses must be familiar with system hardware and data processing capabilities. This will be extremely difficult with new equipment and new personnel. Analytical requirements for this system are identical to those specified for the total data package submission. This is achievable, and many production facilities rely on this particular instrumentation. However, this requires experienced personnel and additional computer support. ANL management must understand that the burden of scheduled analyses will fall on this new equipment. Required protocols and data quality must be maintained. This area of the analytical process will be regularly audited through review of raw data tapes.

CLP GC/MS Analysis

The major area of discussion here is the application of the research VG instrumentation to current protocols and comparability of the various instrumentation. This value judgement is not normally associated with on-site evaluations and is a DOE program decision. However, related questions associated with utilization of this equipment are significant. Reliable operation is required, and absolute dependence on research instrumentation for a production function may turn out unacceptably. Also, the same problems with training and experience apply here as with the MSD systems. The VG considerations are more severe due to the highly sophisticated operating system. Unless an experienced VG operator is available, four to eight weeks of familiarization with the hardware and data processing systems should be minimal requirements that are met prior to analysis of DOE program samples.

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Inorganic Analysis

General lab order was noted as a major problem, especially in the Mercury analytical area. Good laboratory practice relating to frequency of preparation of analytical standards should be monitored. This area is discussed in the attached report provided by Keith Aleckson.

Summary

The development of a production laboratory in a research facility requires strong management commitment to establish and monitor the adherence to standardized procedures. This transition is possible, but major efforts in hiring, training, documentation, and program familiarization are required. As Karen Knight requested during our discussion of facility capabilities, specific goals must be developed, monitored, and reported to DOE headquarters on an established schedule that will insure acceptable preparation for and participation in the project.

In an effort to facilitate this transition and expansion, several options may be considered. Initially, the processing of samples through the existing analytical system is essential to identify specific problems in the various areas of laboratory operation and to establish a normal routine. Processing samples through the system is necessary to demonstrate acceptable performance. Additional assistance in the development of a functional production mode of operation should be considered. This could be accomplished through direct hiring of personnel with the demonstrated ability to establish a production facility or through contracts with consultants familiar with program and routine operational requirements. The addition of experienced production oriented personnel may not be necessary but is a suggestion that could facilitate the development required for participation in this project. A major committment involving specifically scheduled and demonstrated progress in several areas of laboratory operations is necessary to insure acceptable performance prior to the anticipated date of sample arrival.

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Attachment 1

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Lockheed

Environmental Programs Office
1050 E. Flamingo Road, Suite 120, Las Vegas, Nevada 89119
(702) 734-3200

December 30, 1986

Environmental Protection Agency
P. O. Box 15027
Las Vegas, Nevada 89114

Attention: D.W. Bottrell

Via: R.D. Flotard RDF

Subject: Summary comments on brief on-site review of the inorganic lab at Argonne National Lab, Argonne, IL

Dear Dave:

At Karen Knight's request, I briefly toured the inorganic labs at ANL on December 11, 1986 to observe some problems she felt needed immediate attention and also to evaluate ANL's progress in getting ready for their next group of samples in early March, 1987. My observations and comments for the inorganic lab are reported below:

1. Ms. Knight and Judy Gebhart of Battelle observed that the Hg analysis lab was physically a mess. They also noticed some expired standards that were stored in the atomic absorption lab. I observed these same problems and recommended that the mercury lab be cleaned up. I also recommended that all metals standards that were older than 1 year not be used for calibration purposes and that a standards log be started that reports the date when stock standards are opened, the date they are no longer used, the manufacturer, and the lot number. The same log should be used for reporting when reference standards are taken in and out of service. It is also recommended that the expired standards not be stored in the same area as the calibration standards to help prevent an expired standard from being used for calibration by accident.

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2. Karen and Judy were also concerned that the written SOP's were not moving along fast enough to meet the needs of the program. I observed that the lab had completed hand written SOP's for glassware washing, for sample preparation, and for the TCLP method. The lab still needs to produce written SOP's for sample log-in and tracking, for assembling the data packages, for the analytical methods, and for archiving the data once the results are reported. I feel that the lab can have the SOP's documented within the time requirements if a schedule for completion is set and is followed.

3. The lab had added logbooks for the balances and the water system and entries had been made recently. These logbooks are a result of our last on-site. Temperature logs were also noted on the refrigerators.

4. The inorganic lab is using RCRA methods for digestion and for analysis of TCLP extracts as directed by EMSL-Las Vegas. These methods are not very specific concerning QC frequency, sequence, and control limits. The methods committee should consider adding these specifics to the TCLP method in the DOE Survey methods manual.

5. The inorganic lab should consider putting all sample digest activities under one person. That person should not be the primary instrument operator for either the ICP or the AA analysis. When a large number of samples arrive at the lab, the primary operators will not be able to both prepare and analyze samples efficiently.

6. The inorganic lab should streamline their operation where possible to meet the demand of analyzing a large number of samples. These streamlining measures can be better determined by someone experienced in the CLP with more time to spend with ANL than a few hours. Once these measures have been put in place, the system should be checked for problems with a test group of samples.

D.W. Bottrell
Page Three

7. It may be possible for the inorganic lab to be ready for the March deadline with a great deal of work and preparation. However, objectives for correction of all deficiencies and deadlines for the corrections should be set. If the lab does not meet these deadlines then the entry date for the lab into the DOE Survey program should be delayed accordingly.

If there are any questions concerning this report, please call me at 702-798-3146.

Very truly yours,

K.A. Aleckson
Senior Scientist
Laboratory Performance
Monitoring Group

KAA:meo

cc: M.T. Homsher
J.O. 70.23
WP-0988C

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October 31, 1986

Environmental Protection Agency
P. O. Box 15027
Las Vegas, Nevada 89114

Attention: J.G. Pearson

Via: R.D. Flotard

Subject: On-site Evaluation of Argonne National Laboratory for the Department of Energy Environmental Survey

Dear Mr. Pearson:

An on-site evaluation of the analytical chemistry laboratory at Argonne National Laboratory (ANL) was performed October 3, 1986 by Gary Robertson and Keith Aleckson. The primary purpose of this visit was to evaluate the capability of the laboratory to perform CLP analyses and to provide advice and assistance in developing CLP analytical capability.

The preliminary nature of the evaluation (some instrumentation not available, SOP's not developed, PE sample data not available, etc.) resulted in the visit being much more of an advisory visit than a strict evaluation. Since many of the items evaluated by the usual on-site check sheet are not yet in place, the comments in this report are presented in narrative form.

LABORATORY: Argonne National Lab

DATE: October 3, 1986

TYPE OF EVALUATION: Combined Organic and Inorganic

PERSONNEL CONTACTED:

NAME	TITLE
D.W. Green	Manager
K.J. Jensen	Group Leader Chemical Analysis
R.R. Heinrich	Group Leader Instrumental Analysis
P.C. Lindahl	Chemist, Inorganic
R.J. Winegender	Organic Coordinator
J.R. Schneider	Chemist Organic
A.S. Boparai	Chemist, Organic
M. Picel	Chemist, Organic

LABORATORY EVALUATION TEAM:

NAME	TITLE
Joseph Boda	Environmental Engineer, DOE
Keith Aleckson	Senior Scientist, LEMSCO
Gary Robertson	Principal Scientist, LEMSCO

FMPC SaA Data Doc.
Issue Date: 06/17/88
Revision: 00

There are five major functional areas in the analytical chemistry laboratory at ANL involved in the DOE environmental survey: sample receiving, radiation, organic extraction, screening and pesticide/PCB analysis, GC/MS CLP analysis, and inorganic analysis. General comments which apply to all areas and comments specific to each area are discussed below.

General Comments

1. Standard Operating Procedures (SOPs) need to be produced for the following: all analytical procedures, log-in procedures, internal sample tracking and security procedures, glassware cleaning procedures (inorganic and organic), sample preparation (organic and inorganic), standards preparation, and data package preparation. Copies of the SOPs should be provided in the appropriate work areas for all personnel. It should be realized that all of these SOPs cannot be developed till the actual procedures are in place.

2. In addition to the personal logbooks already kept, the following logbooks should be initiated: standard preparation logs, sample preparation logs, instrument maintenance logs, balance logs, instrument run logs, refrigerator temperature logs, and water purity logs. All logbooks should be periodically checked and initialled by the supervisor and/or the QA officer.

3. Balances should be checked before each weighing session with standard weights which are checked with class S weights on a regular basis, i.e., monthly.

4. The conductivity of the water used for inorganic analysis should be checked and logged daily or before each use, whichever is less frequent. Water quality for organic analysis is measured as a component of the reagent blank analysis. Water that is suitable for inorganic analysis is not necessarily suitable for organic analysis.

Sample Receiving

1. A problem was noted with the seals on the sample shipping coolers. Approximately one-half of the seals of the shipment received October 3, 1986 were broken. This appeared to be due to the fragility of the seals (especially when wet) rather than tampering. Various alternatives were discussed that would prevent accidental breakage but still provide evidence of tampering.

2. The sample storage refrigerators in the log-in area provide for separate storage of volatiles and semivolatiles. The refrigerator temperatures are recorded. However, they should be initialled by the person recording the temperatures.

3. The sample shipping coolers should be opened in a hood. The person opening the coolers and handling the samples should wear protective gloves. The possibility of flagging coolers suspected of containing hazardous samples was discussed.

Radiation

Gamma spectrometry was the only radiation area observed. The analysis procedures were in place and project samples were already being analyzed. The recommendations made in this area concerned initialing logbook entries of sample data and being more conscious of sample security (samples were unattended on a table in the lab entrance). This area appeared to be functioning well with an in place QA/QC program. However, a detailed evaluation by someone well versed in radiochemistry as well as QA is recommended.

Building 211 Organic Sample Extraction, Screening, and Pesticide/PCB Analysis

This area has a large amount of preparation to perform before they are ready to routinely analyze samples. Much of the necessary equipment is ordered and not yet received and facilities and protocols are in the development stages. Some examples of this are:

1. The ultrasonic probe for extracting soil samples is ordered but not received. Purchase of a second probe as a backup was recommended.

2. The sample extraction area is being modified to handle larger numbers of samples.

3. The MSD's for the screening procedures are being ordered. The screening method is being written and operator training is being planned.

The estimated time until this area is fully operational for volatile screening is four to six weeks with semivolatile screening on-line no sooner than two or three weeks after the second MSD is received.

Building 205 CLP GC/MS Analysis

1. This area currently has one functioning GC/MS (Finnigan 4000) which needs to be converted to packed column operation for volatiles analysis (this is planned).

2. Transition needs to be made to CLP quantitation protocols, i.e., multiple internal standard quantitation.

3. A second instrument (VG) is ordered and should arrive soon. This instrument is planned for semivolatile analyses. Considering needed operator training at least four weeks after the installation should be allotted before productive CLP analyses are expected unless an experienced VG operator is available.

Inorganic Analysis

ANL appears to have the instrumentation and personnel necessary to complete the inorganic portion of the project. However, much work is still necessary to develop and document standard procedures for keeping logbooks, for preparing samples, for analyzing the samples, and for assembling the data packages.

A list of equipment has been supplied with this report. A deficiency that was found in this list is the lack of recording devices for the back-up graphite furnace atomic absorption spectrometers. This deficiency ties the analyst up at the instrument and leaves the analysis open to possible transcription errors. Recording devices should be procured for the back up instruments when they are to be used.

Discussions were carried on with the inorganic staff over the preparation and analytical procedures. Those methods covered were ICP, graphite furnace atomic absorption, flame atomic absorption, ion chromatography, mercury analysis, cyanide analysis, digestion procedures, and the TCLP extraction procedure. The points covered, for each method, included sequence and frequency for the QC, technique, logbooks, sample preparation, and use and availability of EPA standard reference materials for each method. Many of the questions about the TCLP extraction method had to be answered later by phone after consultation with Dr. L. Williams of EMSL-Las Vegas.

Future discussions by phone may be needed for completion of the report forms and assembly of the data packages.

Inorganic Sample Analysis Instrumentation

The following tables are extracted from the standard on-site check sheet and are provided for information on laboratory analytical capacity.

A. ICP/DS Instrumentation

	Manufacturer	Model	Type: Sequential or Simultaneous	Data System
ICP	Instruments SA	JY48	Both	Digital Equip. Corp

B. Atomic Absorption (AA) Spectrometer

	Manufacturer	Model	Data System
AA ID#	Perkin-Elmer	Zeeman 5000	Perkin Elmer 7300
AA ID#	Instrument Lab.	351	None
AA ID#	Instrument Lab.	251	None
AA ID#	Perkin-Elmer (Hg analysis)	303	None

C. Additional Instrumentation

	Manufacturer	Model	Data System
Ion Chrom.	Dionex	14 (upgrade)	None
UV/Vis. Spectrometer	GCA McPherson	EU-700-58	None
UV/Vis Spectrometer	Cary	16	None
Uranium Analyzer	Scintrex	UA-3	Digital VT-100

Recommendation

We recommend another on-site evaluation of the ANL analytical chemistry laboratory after the additions to instrumentation and procedures are present, after the performance evaluation sample results are available, and after ANL has experienced putting together a CLP data package. This should be planned as a two day visit to allow adequate time for evaluation of the laboratory as well as advice on forms and data package structure.

Very truly yours,

K.A. Aleckson
Senior Scientist
Laboratory Performance
Monitoring Group

Very truly yours,

G.L. Robertson
Principal Scientist
Protocol Development Group

GLR:meo

cc: J.O. 70.23
WP-0817C

TMPC S&A Data Doc.
Issue Date: 06/17/88
Revision: 00

6541

Department of Energy
Washington, DC 20585

July 6,1987

Dr. Steve Ballou
Energy and Environmental Systems Division
Argonne National Laboratory
Argonne, Illinois 60439

Dear Dr. BAllou,

Enclosed is a copy of EPA's audit of inorganic analytical performance and custody/laboratory documentation. It appears that the inorganic CLP audit went well and that the laboratory evidence audit had some corrective actions to perform.

Please prepare a reply to your laboratory's corrective actions as a result of these audits.

If you have any questions, please contact me at FTS 896-5486.

Sincerely Yours,

Karen

D. Karen Knight
Office of Environmental
Audit

FMPC S&A Data Doc.
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6541

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF RESEARCH AND DEVELOPMENT
ENVIRONMENTAL MONITORING SYSTEMS LABORATORY-LAS VEGAS
P.O. BOX 15027, LAS VEGAS, NEVADA 89114-5027 • 702/798-2100 (FTS 545-2100)

JUN 4 1987

DKC July 6, 1987

Ms. D. Karen Knight
DOE Environmental Survey Sampling
and Analysis Manager
U.S. Department of Energy
Forrestal Bldg., EH-24
1000 Independence Avenue
Washington, D.C. 20585

Dear Ms. Knight:

An on-site evaluation, similar to those routinely conducted at Superfund Contract Laboratory Program (CLP) facilities, was performed March 17, 1987, at Argonne National Laboratory.

Personnel from Lockheed Engineering and Management Services Co. and TechLaw provided specific reports that pertain to inorganic analytical performance and custody/laboratory documentation, respectively. These reports are included with this review.

Sincerely,

for

David W. Bottrell
Chemist
Quality Assurance Research Branch
Quality Assurance and Methods Development Division

Enclosures

cc:
Jim Petty, Chief, QAB
Harold Vincent, QAB
Richard Flotard, LEMSCo
Peter Lindahl, ANL

FMPC S&A Data DOC.
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Revision: 00

6541

Lockheed

Environmental Programs Office
1050 E. Flamingo Road, Suite 120, Las Vegas, Nevada 89119
(702) 734-3200

WP-1289C
CLP INORGANIC PLATE

SUBJECT: Routine On-Site Laboratory Evaluation of Argonne National Laboratory for Inorganic Analysis on March 17, 1987.

FROM: Keith A. Aleckson
Senior Scientist
Laboratory Performance Monitoring Division

VIA: R.D. Flotard R.D. Flotard

TO: David W. Bottrell
Chemist
Quality Assurance Research Branch
Quality Assurance Methods Development Division

An inorganic on-site evaluation similar to those routinely conducted at Superfund Contract Laboratory Program (CLP) facilities was performed on March 17, 1987 at the Argonne National Laboratory. During this evaluation several areas for suggested changes were identified. Details relating to those items and specific observations relating to the inorganic analytical section are included in the text of this report.

An evidentiary audit was conducted simultaneously by the Contract Evidence Audit Team (CEAT) Techlaw. Their findings will be provided in a separate report.

Attachment

cc: (w/attachment)
Mike Homsher, LEMSCO
John Moore, QADn
J.O. 70.23
DES 3-62

6541

Laboratory: Argonne National Laboratory

Date: March 16, 1987

Type of Evaluation: Special Inorganic for DOE Site Survey

Contract Number: ----

Contract Title: ----

Personnel Contacted:

Name	Title
Dave W. Green	Manager
P.C. Lindahl	Project Manager
R.R. Heinrich	Group Leader
K.J. Jenson	Group Leader
F.J. Martino	QA/QC Coordinator
M.D. Erickson	Group Leader

Laboratory Evaluation Team:

Name	Title
Keith Aleckson	Team Leader, LEMSCO
Jeff Worthington	Evidence Auditor, Techlaw

Summary of Laboratory Evaluation

A. Procedural Changes the Laboratory Should Implement

The following comments refer to deficiencies noted in the Laboratory Evaluation Checklist (Attachment 1).

1. The sample receipt SOP should be kept in the sample receiving area.

2. The sample receipt logs should be reviewed and initialled by the supervisor.

3. The sample preparation SOP should be updated.

4. It is recommended that gains and intensities for the ICP be recorded in a log.

B. Review of Data Audit Report

The following comments refer to the Summary/Conclusion section of the data audit report for the PE samples (Attachment 2).

Report Item No.	Comments
M1	The lab agreed to report the true values on the Form IV's in future cases.
M2, M3, M4, M5	The lab reported that not all of the raw data had been supplied with this case including the information noted by these comments. In the future all of the raw data will be supplied with each case.
M6	ANL will consolidate their Hg data into a format that is more clear to the data reviewers, as requested.
M7	It is understood by the auditor that unusual circumstances surrounded the analysis of this case and that future cases analyzed by the lab will meet the holding time requirements for Hg.
m1	ICV and CCV results will be reported on Form II in the future.
m2	ICS results for Ca, Mg, Na, K, Fe, and Al will be reported in the future on Form IV as required.
m3	Spikes for Ag will be reported on Form V in the future.
m4	The lab is aware of the contract specified spike levels and will comply with them in future cases.

m5 Both the sample results and the serial dilution results will be reported for all elements that are analyzed by ICP on QC Form IX in the future.

m6 The lab will pay closer attention to the flagging requirements in the future.

m7 The reporting requirements concerning significant figures are understood by ANL and will be followed.

m8 Some acceptable formats for labeling and reporting the raw data were discussed with ANL and they will do their best to devise a system that will fit both our and their needs.

D. Other Issues

1. Argonne National Laboratory should be ready to accept samples for this program. However, they should be closely monitored at first since many problems that are not foreseen may arise with the first few batches of samples that arrive at the lab.

Attachment 1

Laboratory Evaluation Checklist

1. Organization and Personnel (Page 1 of 2)

ITEM	YES	NO	COMMENT
Laboratory or Project Manager (individual responsible for overall technical effort) Name: Peter C. Lindahl	x		
Inductively Coupled Plasma Emission Spectroscopist Name: E.A. Huff Experience: 9 months minimum requirement (Exhibit A, page 6, item 4.a 5/84)	x		
Flameless Atomic Absorption Spectroscopist Name: Irene M. Fox Experience: 2 years minimum requirement (Exhibit A, page 6, item 4.b 5/84)	x		
Inorganic Sample Preparation Expert Name: A.M. Essling Name: I.M. Fox Experience: 6 months minimum requirement (Exhibit A, page 6, item 4.c 5/84)	x x		
Flame and Cold Vapor AA Spectroscopist Name: R.W. Bane Experience: 2 years minimum requirement (Exhibit A, page 6, item 4.d 5/84)	x		
Cyanide Analyst Name: F.L. Williams Experience: 1 year minimum requirement (Exhibit A, page 6, item 4.e 5/84)	x		

I. Organization and Personnel (Page 2 of 2)

ITEM	YES	NO	COMMENT
Do personnel assigned to this project have the appropriate background to successfully accomplish the objectives of the program?	x		
Quality Assurance Supervisor Name: F.J. Martino			
Glassware Preparation Technician Name: Not specified	x		
Is the organization adequately staffed to meet project commitments in a timely manner?	x		
Were all personnel involved with the CLP analysis available during the evaluation? (List those not present)	x		

Additional Comments

1. Sample Custodian: L. Mojica

II. Sample Receipt and Storage Area (Page 1 of 2)

ITEM	YES	NO	COMMENT
Are written Standard Operating Procedures (SOPs) developed for receipt and storage of samples?	x		
Is the appropriate portion of the SOP available to the sample custodian at the sample receipt/ storage area?		x	(1)
Are the sample shipping containers opened in a manner which prevents possible laboratory contamination?	x		(2)
Are soil and cyanide samples that require refrigeration at 4°C stored in such a way as to maintain their preservation?	x		
Are adequate facilities provided for storage of samples, including cold storage?	x		
Is the temperature of the cold storage recorded daily in a permanent record?	x		
Are temperature excursions (± 4°C) noted and are appropriate actions taken when required?	x		
Are the sample receipt/storage and temperature records maintained in a manner consistent with GLP?	x		
Are standards stored separately from sample digestates?	x		

II. Sample Receipt and Storage Area (Page 2 of 2)

ITEM	YES	NO	COMMENT
Has the supervisor of the individual maintaining the document(s) personally examined and reviewed the document(s) periodically, and signed his/her name therein, together with the date and appropriate comments as to whether or not document(s) are being maintained in an appropriate manner?		x	(3)
Do the digested cases examined contain LCS's, duplicates, and matrix spikes? Case PE sample	x		

Additional Comments

1. The sample receipt SOP should be made available to the sample custodian and kept in the sample receiving area.

2. The coolers are opened and the seals are checked in the loading area.

3. The supervisor should review and initial all logs generated in the sample receipt area.

III. Sample Preparation Area (Page 1 of 4)

When touring the facilities, give special attention to: (a) the overall appearance of organization and neatness, (b) the proper maintenance of facilities and instrumentation, (c) the general adequacy of the facilities to accomplish the required work.

ITEM	YES	NO	COMMENT
Is the laboratory maintained in a clean and organized manner?	x		
Does the laboratory appear to have adequate workspace (120 sq. feet, 6 linear feet of unencumbered bench space per analyst)?	x		
Are contamination-free areas provided for trace level analytical work?	x		
Are the hoods in good condition and functional?	x		
Are chemical waste disposal policies/procedures well defined and followed by the laboratory?	x		
Does the laboratory have a source of distilled/demineralized water?	x		
Is the conductivity of distilled/demineralized water routinely checked and recorded?	x		
Is the conductivity balance located away from draft and areas subject to rapid temperature changes?	x		
Has the balance been calibrated within one year by a certified technician?	x		

III. Sample Preparation Area (Page 2 of 4)

ITEM	YES	NO	COMMENT
Is the balance routinely checked with the appropriate range of class S weights daily before use and are the results recorded in a logbook?	x		
Is the sample preparation portion of the SOP available to the analyst at the sample preparation area?	x		
Are unexpired standards used to prepare instrument calibration standards?	x		
Are fresh analytical standards prepared at a frequency consistent with good QA?	x		
Are chemicals and standards dated upon receipt?	x		
Are reagent inventories maintained on a first-in, first-out basis?	x		
Are reference materials properly labeled with concentrations, date of preparation, and the identity of the person preparing the sample?	x		
Is a spiking/calibration standards preparation and tracking logbook(s) maintained?	x		
Are the primary standards traceable to EPA standards where possible?	x		
Do the analysts record bench data in a neat and accurate manner?	x		

III. Sample Preparation Area (Page 3 of 4)

ITEM	YES	NO	COMMENT
Is the SOP for glassware washing posted at the cleaning station?	x		
Is a UV-Visible spectrophotometer operational and properly maintained?	x		
Is the mercury analyzer operational and well maintained (i.e., properly vented)?	x		
Are sufficient cyanide distillation apparatus available to routinely analyze all samples within the required holding period?	x		
Is the pH of the samples recorded and available for data review?	x		
Are digestion logbooks/bench sheets maintained in a neat and organized manner?	x		
Is an adequate drying oven available with a temperature measurement device?	x		
Has the supervisor of the individual maintaining the notebook/bench sheet personally examined and reviewed the notebook/bench sheet periodically, and signed his/her name therein, together with the date and appropriate comments as to whether or not the notebook/bench sheet is being maintained in an appropriate manner?	x		

III. Sample Preparation Area (Page 4 of 4)

Additional Comments

1. The sample preparation SOP should be updated to include the QC that is to be prepared with each group of samples. It is also recommended that an example of the reporting format for the preparations data be included in the SOP.

IV. Sample Analysis Instrumentation (Page 1 of 4)

A. ICP/DS Instrumentation

	Manufacturer	Model	Type: Sequential or Simultaneous	Installation Date
ICP ID #	Instruments SA	JY48	Both	
Data System	Digital Equip. Corp.			

ITEM	YES	NO	COMMENT
Are calibration intensity and gains kept in a permanent record so that instrument performance can be measured over time?		x	(1)
Is a permanent service record maintained in a logbook?	x		
Has the instrument been modified in any way?		x	
Is the instrument properly vented?	x		
Is a mass flow controller used?	x		
Is an auto-sampler used?		x	
Is the interference correction automatically performed?		x	Analyst specified

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IV. Sample Analysis Instrumentation (Page 2 of 4)

ITEM	YES	NO	COMMENT
Are interelement correction factors updated every six months or more frequently?	x		as needed
Is service maintenance by contract?		x	
Is preventative maintenance applied?	x		

Additional Comments

1. The analyst reported that the gains are changed for some elements as needed and that it was not possible to document this. A record of these gain changes should be kept in the maintenance log. It still is recommended that a record of the calibration intensities be kept. This record would be helpful to document the changes in the intensities as a result of the gain changes.

IV. Sample Analysis Instrumentation (Page 3 of 4)

B. Atomic Absorption (AA) Spectrometer

	Manufacturer	Model	Installation Date	
AA ID #	Perkin-Elmer	Zeeman 5000		
Data System	Perkin-Elmer	7300		
AA ID #	Instrument Lab	351		
Data System	None			
AA ID #	Instrument Lab	351		
Data System	None			

IV. Sample Analysis Instrumentation (Page 4 of 4)

B. Atomic Absorption (AA) Spectrometer

ITEM	YES	NO	COMMENT
Is there a methods manual available to the operator?	x		
Are element specific SOP's listing instrument conditions, background correction, instrument conditions, and required instrument sensitivity available to the analyst?	x		
Are calibration results (i.e., sensitivity) kept in a permanent record so that instrument performance can be measured over time?	x		
Is a permanent service record maintained in a logbook?	x		
Has the instrument been modified in any way?		x	
Is the instrument properly vented ?	x		
Is the unit equipped with flameless accessory?	x		
Are Lvov platforms used?	x		
Is an auto-sampler used?	x		
Are EPA or instrument manufacturer matrix modifiers used?	x		
Is the unit equipped with electrodeless discharge lamps?	x		
Is service maintenance by contract?		x	
Is preventative maintenance applied?	x		

V. Data Handling and Review

ITEM	YES	NO	COMMENT
Are manual data calculations spot-checked by a second person?	x		
Do records indicate that appropriate corrective action has been taken when analytical results fail to meet QC criteria?			NA
Is a Laboratory Information Management System (LIMS) used? Manufacturer/Model: VAX	x		
Is the operation of the LIMS validated with a test set of data and is the data maintained for on-site inspection?			NA (1)

Additional Comments

1. The LIMS is just used for sample tracking so that the verification of calculations done by the computer is not necessary.

VI. Quality Control Manual and SOP's

ITEM	YES	NO	COMMENT
Does the laboratory maintain a Quality Control Manual?	x		
Does the manual address the important elements of a QC program, including the following:	x		
a. Personnel?	x		
b. Facilities and equipment?	x		
c. Operation of instruments?	x		
d. Documentation of procedures?	x		
e. Preventative maintenance?	x		
f. Reliability of data?	x		
g. Data validation?		x	Needs documentation
h. Feedback and corrective action?		x	Needs documentation
Are files of outdated SOP's stored for reference			NA

VII. Summary

A. Summary Checksheet

ITEM	YES	NO	COMMENT
Do responses to the evaluation indicate that project and supervisory personnel are aware of QA/QC and its application to the project?	x		
Have responses with respect to QA/QC aspects of the project been open and direct?	x		
Has a cooperative attitude been displayed by all project and supervisory personnel?	x		
Have any QA/QC deficiencies been discussed before leaving?	x		
Is the overall quality assurance adequate to accomplish the objectives of the project?	x		
Have corrective actions recommended during previous evaluations been implemented? If not, provide details in Section VII.B.	x		

APPENDIX E

PRESENTATION OF ANALYTICAL DATA

Key to Value Abbreviations:

ND: Not detected.

A: Nuclide not identified by GAMANAL analysis as being present in the sample; no value reported.

B: Nuclide identified by GAMANAL analysis of sample spectrum, but values did not exceed room background at the 95% confidence level; no value reported.

Bracketed numbers, e.g., [0.65], in inorganic analyses indicate values between the instrument detection limit (IDL) and the contract required detection limit (CRDL).

Key to Data Flag Identification --- Quality Related

B: Indicates the analyte was found in the blank as well as the sample.

D: Indicates duplicate analysis is not in with control limits (±20%).

J: Indicates an estimated value. Mass spectral data indicated the presence of a compound that meets the identification criteria, but the result is less than the specified detection limit but greater than zero.

N: Indicates spike sample recovery is not within control limits.

R: Indicates the value obtained from the initial analysis exceeded the calibration range for this compound. The sample was re-analyzed with an appropriate dilution for this quantitation.

S: Spike recovery differs by more than 20% from amount added.

Data Flag Identification --- Definitions / Explanations

A: Alpha Spectroscopy.analysis

F: Furnace AA analysis.

K: Samples canned for gamma counting; data processed by least squares analysis program.

G: Gamma Spectroscopy analysis.

P: Total metals analyes performed (per CLP SOW-75) on an acid digest of the sample, rather than on the TCLP extract.

Z1: TSP estimates were obtained as the difference between the filter weight before and after sampling. For the small filters, (odd sample numbers) the small sample weight yields a low confidence in the weight of the sample since the weighing error is large. This problem is mitigated for the larger filter samples since larger (heavier) samples were collected (even number samples).

Z2: Results should be used only to provide a qualitative indication of contaminant variability.

Z3: Only those organic analytes identified in the analysis of the Tenax tubes are presented.

Z4: X-Ray diffraction results. Approximate ranges are as follows: Maj, 100-65; Med, 65-35; Min, 35-15; and VM, 15-5 %.

Z5: The flyash samples exhibited low internal standard recovery due to the retention properties of the matrix. The reported detection limits are for soil samples and should not be used as the minimum attainable limits for flyash.

Z6: High concentrations of acetone do not seem reasonable. Companion samples from the same location are much lower. Probable explanation is laboratory contamination.

Z7: TOC and TOX were found in the blank filter at similar concentrations.

Z8: This soil sample was analyzed as a medium level sample. Methanol extraction was performed and an aliquot of the extract analyzed.

Z9: Tenex tubes were to be analyzed for organics. No data;GC column irreversibly plugged during run.

Z10: Tenex tubes were to be analyzed for organics. No quantitative data; provisional qualitative data.

Table E.1.1 Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Ag	< 0.1	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Ag	< 0.1	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Ag	< 0.1	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Ag	< 0.1	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Ag	< 0.1	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	As	< 0.5	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	As	< 0.5	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	As	< 0.5	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	As	< 0.5	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	As	< 0.5	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Ba	0.53	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Ba	0.63	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Ba	0.54	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Ba	0.5	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Ba	0.55	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Cd	< 0.02	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Cd	< 0.02	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Cd	< 0.02	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Cd	< 0.02	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Cd	< 0.02	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Cr	< 0.03	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Cr	< 0.03	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Cr	< 0.03	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Cr	< 0.03	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Cr	< 0.03	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Hg	< 0.001	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Hg	< 0.001	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Hg	< 0.001	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Hg	< 0.001	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Hg	< 0.001	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Pb	< 0.3	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Pb	< 0.3	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Pb	< 0.3	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Pb	< 0.3	mg/L	

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Pb	< 0.3	mg/L	
FE0128IS1B	87-0093-01	Soil	K-65 Trench	Se	< 0.5	mg/L	
FE0129IS1B	87-0093-02	Soil	K-65 Trench	Se	< 0.5	mg/L	
FE0130IS1B	87-0093-03	Soil	K-65 Trench	Se	< 0.5	mg/L	
FE0131IS1B	87-0093-04	Soil	K-65 Trench	Se	< 0.5	mg/L	
FE0132IS1B	87-0093-05	Soil	K-65 Trench	Se	< 0.5	mg/L	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,1,1-Trichloroethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,1,1-Trichloroethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,1,1-Trichloroethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,1,1-Trichloroethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,1,1-Trichloroethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,1,2-Trichloroethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,1,2-Trichloroethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,1,2-Trichloroethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,1,2-Trichloroethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,1,2-Trichloroethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,1-Dichloroethene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloroethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloroethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloroethane	<5	µg/kg	

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0131IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloroethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloroethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloropropane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloropropane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloropropane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloropropane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	1,2-Dichloropropane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	2-Butanone	5	µg/kg	BJ
FE0129IS3B	86-7006	Soil	K-65 Trench	2-Butanone	4	µg/kg	BJ
FE0130IS3B	86-7006	Soil	K-65 Trench	2-Butanone	3	µg/kg	BJ
FE0131IS3B	86-7006	Soil	K-65 Trench	2-Butanone	4	µg/kg	BJ
FE0132IS3B	86-7006	Soil	K-65 Trench	2-Butanone	4	µg/kg	BJ
FE0128IS3B	86-7006	Soil	K-65 Trench	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	2-Hexanone	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	2-Hexanone	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	2-Hexanone	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	2-Hexanone	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	2-Hexanone	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	4-Methyl-2-Pentanone	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	4-Methyl-2-Pentanone	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	4-Methyl-2-Pentanone	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	4-Methyl-2-Pentanone	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	4-Methyl-2-Pentanone	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Acetone	18	µg/kg	B
FE0129IS3B	86-7006	Soil	K-65 Trench	Acetone	18	µg/kg	B
FE0130IS3B	86-7006	Soil	K-65 Trench	Acetone	24	µg/kg	B
FE0131IS3B	86-7006	Soil	K-65 Trench	Acetone	24	µg/kg	B
FE0132IS3B	86-7006	Soil	K-65 Trench	Acetone	28	µg/kg	B
FE0128IS3B	86-7006	Soil	K-65 Trench	Benzene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Benzene	<5	µg/kg	

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0130IS3B	86-7006	Soil	K-65 Trench	Benzene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Benzene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Benzene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Bromodichloromethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Bromodichloromethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Bromodichloromethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Bromodichloromethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Bromodichloromethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Bromoform	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Bromoform	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Bromoform	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Bromoform	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Bromoform	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Bromomethane	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Bromomethane	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Bromomethane	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Bromomethane	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Bromomethane	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Carbon Disulfide	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Carbon Disulfide	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Carbon Disulfide	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Carbon Disulfide	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Carbon Disulfide	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Carbon Tetrachloride	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Carbon Tetrachloride	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Carbon Tetrachloride	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Carbon Tetrachloride	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Carbon Tetrachloride	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Chlorobenzene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Chlorobenzene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Chlorobenzene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Chlorobenzene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Chlorobenzene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Chloroethane	<10	µg/kg	

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0129IS3B	86-7006	Soil	K-65 Trench	Chloroethane	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Chloroethane	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Chloroethane	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Chloroethane	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Chloroform	8	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Chloroform	9	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Chloroform	10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Chloroform	11	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Chloroform	10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Chloromethane	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Chloromethane	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Chloromethane	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Chloromethane	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Chloromethane	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Dibromochloromethane	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Dibromochloromethane	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Dibromochloromethane	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Dibromochloromethane	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Dibromochloromethane	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Ethylbenzene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Ethylbenzene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Ethylbenzene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Ethylbenzene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Ethylbenzene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Methylene Chloride	11	µg/kg	B
FE0129IS3B	86-7006	Soil	K-65 Trench	Methylene Chloride	18	µg/kg	B
FE0130IS3B	86-7006	Soil	K-65 Trench	Methylene Chloride	30	µg/kg	B
FE0131IS3B	86-7006	Soil	K-65 Trench	Methylene Chloride	12	µg/kg	B
FE0132IS3B	86-7006	Soil	K-65 Trench	Methylene Chloride	16	µg/kg	B

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0128IS3B	86-7006	Soil	K-65 Trench	Styrene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Styrene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Styrene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Styrene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Styrene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Tetrachloroethene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Tetrachloroethene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Tetrachloroethene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Tetrachloroethene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Tetrachloroethene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Toluene	2	µg/kg	BJ
FE0129IS3B	86-7006	Soil	K-65 Trench	Toluene	2	µg/kg	BJ
FE0130IS3B	86-7006	Soil	K-65 Trench	Toluene	2	µg/kg	BJ
FE0131IS3B	86-7006	Soil	K-65 Trench	Toluene	2	µg/kg	BJ
FE0132IS3B	86-7006	Soil	K-65 Trench	Toluene	2	µg/kg	BJ
FE0128IS3B	86-7006	Soil	K-65 Trench	Total Xylenes	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Total Xylenes	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Total Xylenes	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Total Xylenes	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Total Xylenes	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Trichloroethene	<5	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Trichloroethene	<5	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Trichloroethene	<5	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Trichloroethene	<5	µg/kg	

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0132IS3B	86-7006	Soil	K-65 Trench	Trichloroethene	<5	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Vinyl Acetate	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Vinyl Acetate	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Vinyl Acetate	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Vinyl Acetate	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Vinyl Acetate	<10	µg/kg	
FE0128IS3B	86-7006	Soil	K-65 Trench	Vinyl Chloride	<10	µg/kg	
FE0129IS3B	86-7006	Soil	K-65 Trench	Vinyl Chloride	<10	µg/kg	
FE0130IS3B	86-7006	Soil	K-65 Trench	Vinyl Chloride	<10	µg/kg	
FE0131IS3B	86-7006	Soil	K-65 Trench	Vinyl Chloride	<10	µg/kg	
FE0132IS3B	86-7006	Soil	K-65 Trench	Vinyl Chloride	<10	µg/kg	
FE0128IS2B	87-4001	Soil	K-65 Trench	Bi-214	0.9 ± 0.07	pCi/g	
FE0129IS2B	87-4001	Soil	K-65 Trench	Bi-214	1.2 ± 0.1	pCi/g	
FE0130IS2B	87-4001	Soil	K-65 Trench	Bi-214	1.2 ± 0.1	pCi/g	
FE0131IS2B	87-4001	Soil	K-65 Trench	Bi-214	2.0 ± 0.1	pCi/g	
FE0132IS2B	87-4001	Soil	K-65 Trench	Bi-214	5.7 ± 0.1	pCi/g	
FE0128IS2B	87-4001	Soil	K-65 Trench	Cs-137	B	pCi/g	
FE0129IS2B	87-4001	Soil	K-65 Trench	Cs-137	B	pCi/g	
FE0130IS2B	87-4001	Soil	K-65 Trench	Cs-137	0.13 ± 0.04	pCi/g	
FE0131IS2B	87-4001	Soil	K-65 Trench	Cs-137	B	pCi/g	
FE0132IS2B	87-4001	Soil	K-65 Trench	Cs-137	0.24 ± 0.02	pCi/g	
FE0128IS2B	87-4001	Soil	K-65 Trench	Ra-226	0.88 ± 0.07	pCi/g	G
FE0129IS2B	87-4001	Soil	K-65 Trench	Ra-226	1.3 ± 0.1	pCi/g	G
FE0130IS2B	87-4001	Soil	K-65 Trench	Ra-226	1.3 ± 0.1	pCi/g	G
FE0131IS2B	87-4001	Soil	K-65 Trench	Ra-226	2.1 ± 0.1	pCi/g	G
FE0132IS2B	87-4001	Soil	K-65 Trench	Ra-226	5.7 ± 0.1	pCi/g	G
FE0128IS2B	87-4001	Soil	K-65 Trench	Th-228	1.1 ± 0.1	pCi/g	G
FE0129IS2B	87-4001	Soil	K-65 Trench	Th-228	1.4 ± 0.1	pCi/g	G
FE0130IS2B	87-4001	Soil	K-65 Trench	Th-228	1.4 ± 0.1	pCi/g	G
FE0131IS2B	87-4001	Soil	K-65 Trench	Th-228	1.5 ± 0.1	pCi/g	G
FE0132IS2B	87-4001	Soil	K-65 Trench	Th-228	1.8 ± 0.1	pCi/g	G
FE0128IS2B	87-4001	Soil	K-65 Trench	Th-232	1.4 ± 0.1	pCi/g	G
FE0129IS2B	87-4001	Soil	K-65 Trench	Th-232	1.1 ± 0.2	pCi/g	G
FE0130IS2B	87-4001	Soil	K-65 Trench	Th-232	1.6 ± 0.2	pCi/g	G

Table E.1.1 (Cont.) Environmental Problem 1 K-65 Trenches: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0131IS2B	87-4001	Soil	K-65 Trench	Th-232	1.5 ± 0.1	pCi/g	G
FE0132IS2B	87-4001	Soil	K-65 Trench	Th-232	1.7 ± 0.1	pCi/g	G
FE0128IS2B	87-4001	Soil	K-65 Trench	U-235	0.11 ± 0.02	pCi/g	
FE0129IS2B	87-4001	Soil	K-65 Trench	U-235	0.19 ± 0.01	pCi/g	
FE0130IS2B	87-4001	Soil	K-65 Trench	U-235	0.23 ± 0.02	pCi/g	
FE0131IS2B	87-4001	Soil	K-65 Trench	U-235	0.15 ± 0.01	pCi/g	
FE0132IS2B	87-4001	Soil	K-65 Trench	U-235	0.42 ± 0.01	pCi/g	
FE0128IS2B	87-4001	Soil	K-65 Trench	U-238	A	pCi/g	
FE0129IS2B	87-4001	Soil	K-65 Trench	U-238	A	pCi/g	
FE0130IS2B	87-4001	Soil	K-65 Trench	U-238	A	pCi/g	
FE0131IS2B	87-4001	Soil	K-65 Trench	U-238	B	pCi/g	
FE0132IS2B	87-4001	Soil	K-65 Trench	U-238	B	pCi/g	
FE0128IS1B	87-0085-01	Soil	K-65 Trench	Total U	15	mg/kg	
FE0129IS1B	87-0085-02	Soil	K-65 Trench	Total U	9.4	mg/kg	
FE0130IS1B	87-0085-03	Soil	K-65 Trench	Total U	12	mg/kg	
FE0131IS1B	87-0085-04	Soil	K-65 Trench	Total U	1.8	mg/kg	
FE0132IS1B	87-0085-05	Soil	K-65 Trench	Total U	12	mg/kg	

Table E.2.1 Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0500FD1B	87-0096-01	Dust	Road @ K65 Silos	F	1800	mg/kg	
FE0501FD2B	87-0096-02	Dust	Rd@Bio.Surge Lagoon	F	1600	mg/kg	
FE0502FD3B	87-0096-03	Dust	Road@ Chem Pit 4	F	10200	mg/kg	
FE0503FD3B	87-0096-04	Dust	Rd@WetChem Pit 5	F	4100	mg/kg	
FE0504FD5B	87-0096-05	Dust	Rd @ Scrap Pit 3	F	2300	mg/kg	
FE0505FD6B	87-0096-06	Dust	Rd @ Scrap Pit 2	F	8100	mg/kg	
FE0506FD7B	87-0096-07	Dust	Road @Clear Well	F	4700	mg/kg	
FE0507FD8B	87-0096-08	Dust	Conc.SlaBCh Pit 4	F	45000	mg/kg	
FE0509FD9B	87-0096-09	Dust	Pump.Plat Surg Lag	F	700	mg/kg	
FE0510FD10B	87-0096-10	Dust	Rd @Bio Surg Lag	F	1300	mg/kg	
FE0513FD12B	87-0096-11	Dust	Stor Area @ Bd 64	F	700	mg/kg	
FE0514FD13B	87-0096-12	Dust	Rd @ Bd 12 Docks	F	2600	mg/kg	
FE0515FD14B	87-0096-13	Dust	Road @ Build 12	F	3300	mg/kg	
FE0516FD15B	87-0096-14	Dust	Road @ Bd 1 & 71	F	4900	mg/kg	
FE0517FD16B	87-0096-15	Dust	Paved Area @ Bd 1	F	2400	mg/kg	
FE0518FD17B	87-0096-16	Dust	Rd @ Water Tower	F	9400	mg/kg	
FE0519FD18B	87-0096-17	Dust	Road @ Build 18	F	3100	mg/kg	
FE0520FD19B	87-0096-18	Dust	Rd@ Metal Tank Farm	F	4500	mg/kg	
FE0521FD20B	87-0096-19	Dust	Road @ Build 55	F	6700	mg/kg	
FE0522FD21B	87-0096-20	Dust	Rd @ Inter 2 & E	F	1400	mg/kg	
FE0523FD22B	87-0096-21	Dust	Road @ Build 9	F	3200	mg/kg	
FE0524FD23B	87-0096-22	Dust	Road @ Build 11	F	3400	mg/kg	
FE0525FD24B	87-0096-23	Dust	Road @ Build 37	F	990	mg/kg	
FE0526FD25B	87-0096-24	Dust	Road @ Build 13	F	1600	mg/kg	
FE0528FD27B	87-0096-25	Dust	Storage Tank Area	F	3300	mg/kg	
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Ag	< 10	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Ag	< 10	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Ag	< 10	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Ag	< 10	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Ag	< 10	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Ag	< 10	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Ag	< 10	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Ag	< 10	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Ag	< 10	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Ag	< 10	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Ag	< 10	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Ag	< 10	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Ag	< 10	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Ag	< 10	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Ag	< 10	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Ag	< 10	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Ag	< 10	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Ag	< 10	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Ag	< 10	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Ag	< 10	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Ag	< 10	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Ag	< 10	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Ag	< 10	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Ag	< 10	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Ag	< 10	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	As	< 100	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	As	< 100	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	As	< 100	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	As	< 100	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	As	< 100	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	As	< 100	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	As	< 100	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	As	< 100	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	As	< 100	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	As	< 100	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	As	< 100	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	As	< 100	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	As	< 100	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	As	< 100	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	As	< 100	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	As	< 100	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	As	< 100	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	As	< 100	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	As	< 100	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	As	< 100	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	As	< 100	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	As	< 100	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	As	< 100	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	As	< 100	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	As	< 100	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Ba	46	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Ba	34	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Ba	27	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Ba	21	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Ba	15	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Ba	32	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Ba	58	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Ba	72	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Ba	67	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Ba	24	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Ba	46	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Ba	29	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Ba	163	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Ba	125	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Ba	127	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Ba	54	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Ba	110	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Ba	63	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Ba	80	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Ba	53	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Ba	55	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Ba	45	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Ba	45	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Ba	1150	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Ba	1550	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Cd	< 5	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Cd	< 5	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Cd	< 5	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Cd	< 5	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Cd	< 5	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Cd	< 5	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Cd	< 5	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Cd	< 5	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Cd	< 5	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Cd	< 5	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Cd	< 5	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Cd	< 5	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Cd	7	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Cd	14	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Cd	7	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Cd	< 5	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Cd	< 5	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Cd	< 5	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Cd	< 5	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Cd	< 5	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Cd	< 5	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Cd	< 5	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Cd	< 5	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Cd	< 5	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Cd	< 5	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Cr	12	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Cr	10	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Cr	< 10	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Cr	< 10	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Cr	< 10	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Cr	< 10	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Cr	16	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Cr	18	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Cr	20	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Cr	10	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Cr	21	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Cr	23	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Cr	33	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Cr	55	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Cr	25	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Cr	20	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Cr	39	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Cr	30	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Cr	49	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Cr	14	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Cr	20	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Cr	17	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Cr	12	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Cr	44	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Cr	50	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Hg	< 0.05	µg/g	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Hg	< 0.05	µg/g	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Hg	< 0.05	µg/g	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Hg	< 0.05	µg/g	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Hg	< 0.05	µg/g	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Hg	< 0.05	µg/g	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Hg	< 0.05	µg/g	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Hg	< 0.05	µg/g	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Hg	< 0.05	µg/g	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Hg	< 0.05	µg/g	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Hg	< 0.05	µg/g	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Hg	< 0.05	µg/g	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Hg	0.94	µg/g	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Hg	< 0.05	µg/g	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Hg	< 0.05	µg/g	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Hg	< 0.05	µg/g	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Hg	< 0.05	µg/g	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Hg	0.17	µg/g	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Hg	< 0.05	µg/g	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Hg	0.556	µg/g	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Hg	< 0.05	µg/g	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Hg	0.06	µg/g	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Hg	< 0.05	µg/g	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Hg	< 0.05	µg/g	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Hg	0.25	µg/g	P
FE0500FD1B	87-0096-01	Dust	Road @ K65 Silos	Mg	34700	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Mg	22800	mg/kg	P
FE0501FD2B	87-0096-02	Dust	Rd@Bio.Surge Lagoon	Mg	26100	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Mg	20100	mg/kg	P
FE0502FD3B	87-0096-03	Dust	Road@ Chem Pit 4	Mg	36600	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Mg	23100	mg/kg	P
FE0503FD3B	87-0096-04	Dust	Rd@WetChem Pit 5	Mg	26000	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Mg	28800	mg/kg	P
FE0504FD5B	87-0096-05	Dust	Rd @ Scrap Pit 3	Mg	28600	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Mg	24200	mg/kg	P
FE0505FD6B	87-0096-06	Dust	Rd @ Scrap Pit 2	Mg	31100	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Mg	26600	mg/kg	P
FE0506FD7B	87-0096-07	Dust	Road @Clear Well	Mg	26400	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Mg	26300	mg/kg	P
FE0507FD8B	87-0096-08	Dust	Conc.SlaBCh Pit 4	Mg	37900	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Mg	18200	mg/kg	P
FE0509FD9B	87-0096-09	Dust	Pump.Plat Surg Lag	Mg	23100	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Mg	17100	mg/kg	P
FE0510FD10B	87-0096-10	Dust	Rd @Bio Surg Lag	Mg	35900	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Mg	31300	mg/kg	P
FE0513FD12B	87-0096-11	Dust	Stor Area @ Bd 64	Mg	28000	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Mg	23900	mg/kg	P
FE0514FD13B	87-0096-12	Dust	Rd @ Bd 12 Docks	Mg	27600	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Mg	24600	mg/kg	P
FE0515FD14B	87-0096-13	Dust	Road @ Build 12	Mg	28500	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Mg	23400	mg/kg	P
FE0516FD15B	87-0096-14	Dust	Road @ Bd 1 & 71	Mg	24500	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Mg	17500	mg/kg	P
FE0517FD16B	87-0096-15	Dust	Paved Area @ Bd 1	Mg	30000	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Mg	24300	mg/kg	P
FE0518FD17B	87-0096-16	Dust	Rd @ Water Tower	Mg	36700	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Mg	28200	mg/kg	P
FE0519FD18B	87-0096-17	Dust	Road @ Build 18	Mg	36000	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Mg	24800	mg/kg	P
FE0520FD19B	87-0096-18	Dust	Rd@ Metal Tank Farm	Mg	30400	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Mg	23900	mg/kg	P
FE0521FD20B	87-0096-19	Dust	Road @ Build 55	Mg	47600	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Mg	31300	mg/kg	P
FE0522FD21B	87-0096-20	Dust	Rd @ Inter 2 & E	Mg	28200	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Mg	22500	mg/kg	P
FE0523FD22B	87-0096-21	Dust	Road @ Build 9	Mg	30900	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Mg	22800	mg/kg	P
FE0524FD23B	87-0096-22	Dust	Road @ Build 11	Mg	30100	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Mg	22300	mg/kg	P
FE0525FD24B	87-0096-23	Dust	Road @ Build 37	Mg	32300	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Mg	32200	mg/kg	P
FE0526FD25B	87-0096-24	Dust	Road @ Build 13	Mg	30800	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Mg	15000	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Mg	21800	mg/kg	P
FE0528FD27B	87-0096-25	Dust	Storage Tank Area	Mg	27800	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Pb	26	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Pb	< 20	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Pb	22	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Pb	< 20	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Pb	< 20	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Pb	24	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Pb	35	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Pb	37	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Pb	38	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Pb	< 20	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Pb	66	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Pb	86	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Pb	187	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Pb	217	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Pb	92	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Pb	135	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Pb	46	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Pb	158	mg/kg	P

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Pb	154	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Pb	48	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Pb	64	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Pb	85	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Pb	63	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Pb	283	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Pb	412	mg/kg	P
FE0500FD1B	87-0123-01	Dust	Road @ K65 Silos	Se	< 20	mg/kg	P
FE0501FD2B	87-0123-02	Dust	Rd@Bio.Surge Lagoon	Se	< 20	mg/kg	P
FE0502FD3B	87-0123-03	Dust	Road@ Chem Pit 4	Se	< 20	mg/kg	P
FE0503FD3B	87-0123-04	Dust	Rd@WetChem Pit 5	Se	< 20	mg/kg	P
FE0504FD5B	87-0123-05	Dust	Rd @ Scrap Pit 3	Se	< 20	mg/kg	P
FE0505FD6B	87-0123-06	Dust	Rd @ Scrap Pit 2	Se	< 20	mg/kg	P
FE0506FD7B	87-0123-07	Dust	Road @Clear Well	Se	< 20	mg/kg	P
FE0507FD8B	87-0123-08	Dust	Conc.SlaBCh Pit 4	Se	< 20	mg/kg	P
FE0509FD9B	87-0123-09	Dust	Pump.Plat Surg Lag	Se	< 20	mg/kg	P
FE0510FD10B	87-0123-10	Dust	Rd @Bio Surg Lag	Se	< 20	mg/kg	P
FE0513FD12B	87-0123-11	Dust	Stor Area @ Bd 64	Se	< 20	mg/kg	P
FE0514FD13B	87-0123-12	Dust	Rd @ Bd 12 Docks	Se	< 20	mg/kg	P
FE0515FD14B	87-0123-13	Dust	Road @ Build 12	Se	< 20	mg/kg	P
FE0516FD15B	87-0123-14	Dust	Road @ Bd 1 & 71	Se	< 20	mg/kg	P
FE0517FD16B	87-0123-15	Dust	Paved Area @ Bd 1	Se	< 20	mg/kg	P
FE0518FD17B	87-0123-16	Dust	Rd @ Water Tower	Se	< 20	mg/kg	P
FE0519FD18B	87-0123-17	Dust	Road @ Build 18	Se	< 20	mg/kg	P
FE0520FD19B	87-0123-18	Dust	Rd@ Metal Tank Farm	Se	< 20	mg/kg	P
FE0521FD20B	87-0123-19	Dust	Road @ Build 55	Se	< 20	mg/kg	P
FE0522FD21B	87-0123-20	Dust	Rd @ Inter 2 & E	Se	< 20	mg/kg	P
FE0523FD22B	87-0123-21	Dust	Road @ Build 9	Se	< 20	mg/kg	P
FE0524FD23B	87-0123-22	Dust	Road @ Build 11	Se	< 20	mg/kg	P
FE0525FD24B	87-0123-23	Dust	Road @ Build 37	Se	< 20	mg/kg	P
FE0526FD25B	87-0123-24	Dust	Road @ Build 13	Se	< 20	mg/kg	P
FE0528FD27B	87-0123-25	Dust	Storage Tank Area	Se	< 20	mg/kg	P
FE0507FD8B	87-4009	Dust	Conc.SlaBCh Pit 4	Np-237	2.06 ± 0.09	pCi/g	
FE0520FD19B	87-4009	Dust	Rd@ Metal Tank Farm	Np-237	0.27 ± 0.01	pCi/g	
FE0521FD20B	87-4009	Dust	Road @ Build 55	Np-237	2.51 ± 0.10	pCi/g	

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0507FD8	87-4009	Dust	Conc.SlaBCh Pit 4	Pu-238	0.09 ± 0.01	pCi/g	
FE0520FD19B	87-4009	Dust	Rd@ Metal Tank Farm	Pu-238	0.11 ± 0.01	pCi/g	
FE0521FD20B	87-4009	Dust	Road @ Build 55	Pu-238	0.22 ± 0.01	pCi/g	
FE0507FD8	87-4009	Dust	Conc.SlaBCh Pit 4	Pu-239 + Pu-240	0.48 ± 0.02	pCi/g	
FE0520FD19B	87-4009	Dust	Rd@ Metal Tank Farm	Pu-239 + Pu-240	0.18 ± 0.01	pCi/g	
FE0521FD20B	87-4009	Dust	Road @ Build 55	Pu-239 + Pu-240	1.5 ± 0.06	pCi/g	
FE0507FD8B	87-4009	Dust	Conc.SlaBCh Pit 4	Pu-241 + Pu-242	0.03 ± 0.003	pCi/g	
FE0520FD19B	87-4009	Dust	Rd@ Metal Tank Farm	Pu-241 + Pu-242	0.27 ± 0.01	pCi/g	
FE0521FD20B	87-4009	Dust	Road @ Build 55	Pu-241 + Pu-242	0.01 ± 0.001	pCi/g	
FE0507FD8	87-4009	Dust	Conc.SlaBCh Pit 4	Ra-226	3.10± 0.48	pCi/g	K
FE0520FD19	87-4009	Dust	Rd@ Metal Tank Farm	Ra-226	1.80 ± 0.06	pCi/g	K
FE0521FD20	87-4009	Dust	Road @ Build 55	Ra-226	2.15 ± 0.70	pCi/g	K
FE0507FD8	87-4009	Dust	Conc.SlaBCh Pit 4	Ra-228	3.65 ± 0.48	pCi/g	K
FE0520FD19	87-4009	Dust	Rd@ Metal Tank Farm	Ra-228	0.70 ± 0.04	pCi/g	K
FE0521FD20	87-4009	Dust	Road @ Build 55	Ra-228	5.85 ± 0.66	pCi/g	K
FE0500FD1B	87-0096-01	Dust	Road @ K65 Silos	Total U	100	mg/kg	
FE0501FD2B	87-0096-02	Dust	Rd@Bio.Surge Lagoon	Total U	172	mg/kg	
FE0502FD3B	87-0096-03	Dust	Road@ Chem Pit 4	Total U	4900	mg/kg	
FE0503FD3B	87-0096-04	Dust	Rd@WetChem Pit 5	Total U	2540	mg/kg	
FE0504FD4B	87-0096-05	Dust	Rd @ Scrap Pit 3	Total U	160	mg/kg	
FE0505FD6B	87-0096-06	Dust	Rd @ Scrap Pit 2	Total U	6050	mg/kg	
FE0506FD7B	87-0096-07	Dust	Road @Clear Well	Total U	1930	mg/kg	
FE0507FD8B	87-0096-08	Dust	Conc.SlaBCh Pit 4	Total U	4370	mg/kg	
FE0509FD9B	87-0096-09	Dust	Pump.Plat Surg Lag	Total U	15	mg/kg	
FE0510FD10B	87-0096-10	Dust	Rd @Bio Surg Lag	Total U	76	mg/kg	
FE0513FD12B	87-0096-11	Dust	Stor Area @ Bd 64	Total U	170	mg/kg	
FE0514FD13B	87-0096-12	Dust	Rd @ Bd 12 Docks	Total U	1420	mg/kg	
FE0515FD14B	87-0096-13	Dust	Road @ Build 12	Total U	1720	mg/kg	
FE0516FD15B	87-0096-14	Dust	Road @ Bd 1 & 71	Total U	737	mg/kg	
FE0517FD16B	87-0096-15	Dust	Paved Area @ Bd 1	Total U	1070	mg/kg	
FE0518FD17B	87-0096-16	Dust	Rd @ Water Tower	Total U	545	mg/kg	
FE0519FD18B	87-0096-17	Dust	Road @ Build 18	Total U	1060	mg/kg	
FE0520FD19B	87-0096-18	Dust	Rd@ Metal Tank Farm	Total U	435	mg/kg	
FE0521FD20B	87-0096-19	Dust	Road @ Build 55	Total U	10450	mg/kg	
FE0522FD21B	87-0096-20	Dust	Rd @ Inter 2 & E	Total U	797	mg/kg	

Table E.2.1 (Cont.) Environmental Problem 2 Particulate Deposition: Dust Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0523FD22B	87-0096-21	Dust	Road @ Build 9	Total U	7820	mg/kg	
FE0524FD23B	87-0096-22	Dust	Road @ Build 11	Total U	1630	mg/kg	
FE0525FD24B	87-0096-23	Dust	Road @ Build 37	Total U	369	mg/kg	
FE0526FD25B	87-0096-24	Dust	Road @ Build 13	Total U	336	mg/kg	
FE0528FD27B	87-0096-25	Dust	Storage Tank Area	Total U	1230	mg/kg	

Table E.2.2 Environmental Problem 2 Particulate Deposition: Sweeping Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0229OT1A	87-0059-03	Sweepings	Building 66	F	3000	mg/kg	
FE0229OT2A	87-0059-04	Sweepings	Building 66	F	540	mg/kg	
FE0230OT1A	87-0059-05	Sweepings	Building 66	F	2300	mg/kg	
FE0230OT2A	87-0059-06	Sweepings	Building 66	F	1400	mg/kg	
FE0231OT1A	87-0059-07	Sweepings	Building 66	F	700	mg/kg	
FE0231OT2A	87-0059-08	Sweepings	Building 66	F	970	mg/kg	
FE0232OT1A	87-0059-09	Sweepings	Building 66	F	1300	mg/kg	
FE0232OT2A	87-0059-10	Sweepings	Building 66	F	3300	mg/kg	
FE0229OT1A	87-0059-03	Sweepings	Building 66	Mg	39200	mg/kg	
FE0229OT2A	87-0059-04	Sweepings	Building 66	Mg	40800	mg/kg	
FE0230OT1A	87-0059-05	Sweepings	Building 66	Mg	43000	mg/kg	
FE0230OT2A	87-0059-06	Sweepings	Building 66	Mg	46100	mg/kg	
FE0231OT1A	87-0059-07	Sweepings	Building 66	Mg	70100	mg/kg	
FE0231OT2A	87-0059-08	Sweepings	Building 66	Mg	72100	mg/kg	
FE0232OT1A	87-0059-09	Sweepings	Building 66	Mg	29200	mg/kg	
FE0232OT2A	87-0059-10	Sweepings	Building 66	Mg	25800	mg/kg	
FE0229OT1A	87-0059-03	Sweepings	Building 66	Pb	322	mg/kg	
FE0229OT2A	87-0059-04	Sweepings	Building 66	Pb	243	mg/kg	
FE0230OT1A	87-0059-05	Sweepings	Building 66	Pb	215	mg/kg	
FE0230OT2A	87-0059-06	Sweepings	Building 66	Pb	166	mg/kg	
FE0231OT1A	87-0059-07	Sweepings	Building 66	Pb	92.6	mg/kg	
FE0231OT2A	87-0059-08	Sweepings	Building 66	Pb	69.9	mg/kg	
FE0232OT1A	87-0059-09	Sweepings	Building 66	Pb	455	mg/kg	
FE0232OT2A	87-0059-10	Sweepings	Building 66	Pb	806	mg/kg	
FE0229OT1A	87-0059-03	Sweepings	Building 66	Total U	6040	mg/kg	
FE0229OT2A	87-0059-04	Sweepings	Building 66	Total U	4700	mg/kg	
FE0230OT1A	87-0059-05	Sweepings	Building 66	Total U	3080	mg/kg	
FE0230OT2A	87-0059-06	Sweepings	Building 66	Total U	1730	mg/kg	
FE0231OT1A	87-0059-07	Sweepings	Building 66	Total U	1180	mg/kg	
FE0231OT2A	87-0059-08	Sweepings	Building 66	Total U	850	mg/kg	
FE0232OT1A	87-0059-09	Sweepings	Building 66	Total U	6530	mg/kg	
FE0232OT2A	87-0059-10	Sweepings	Building 66	Total U	4610	mg/kg	

Table E.3.1 Environmental Problem 3 Process Emissions: Air Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0200OT1A	87-0082-01	Air	Rockwell Furnace	F	113.7	µg/m**3	Z2
FE0201OT1A	87-0082-02	Air	Rockwell Furnace	F	209.0	µg/m**3	Z2
FE0204OT1A	87-0082-03	Air	Rockwell Furnace	F	140.7	µg/m**3	Z2
FE0207OT1A	87-0082-04	Air	Rockwell Furnace	F	200.0	µg/m**3	Z2
FE0208OT1A	87-0082-05	Air	Rockwell Furnace	F	49.3	µg/m**3	Z2
FE0209OT1A	87-0082-06	Air	Rockwell Furnace	F	120.4	µg/m**3	Z2
FE0212OT1A	87-0082-07	Air	Rockwell Furnace	F	89.4	µg/m**3	Z2
FE0213OT1A	87-0082-08	Air	Rockwell Furnace	F	89.5	µg/m**3	Z2
FE0216OT1A	87-0082-09	Air	Rockwell Furnace	F	12.1	µg/m**3	Z2
FE0217OT1A	87-0082-10	Air	Rockwell Furnace	F	18.0	µg/m**3	Z2
FE0220OT1A	87-0082-11	Air	Rockwell Furnace	F	25.3	µg/m**3	Z2
FE0221OT1A	87-0082-12	Air	Rockwell Furnace	F	25.1	µg/m**3	Z2
FE0224OT1A	87-0082-13	Air	Rockwell Furnace	F	93.6	µg/m**3	Z2
FE0225OT1A	87-0082-14	Air	Rockwell Furnace	F	136.1	µg/m**3	Z2
FE0228OT1A	87-0082-15	Air	Rockwell Furnace	F	119.7	µg/m**3	Z2
FE0233OT1A	87-0082-16	Air	Rockwell Furnace	F	891.6	µg/m**3	Z2
FE0242OT1B	87-0155-01	Air	Plant5	F	262.0	mg/hr	Z2
FE0200OT1A	87-0082-01	Air	Rockwell Furnace	Mg	4.6	µg/m**3	Z2
FE0201OT1A	87-0082-02	Air	Rockwell Furnace	Mg	8.5	µg/m**3	Z2
FE0204OT1A	87-0082-03	Air	Rockwell Furnace	Mg	16.7	µg/m**3	Z2
FE0207OT1A	87-0082-04	Air	Rockwell Furnace	Mg	28.4	µg/m**3	Z2
FE0208OT1A	87-0082-05	Air	Rockwell Furnace	Mg	4.5	µg/m**3	Z2
FE0209OT1A	87-0082-06	Air	Rockwell Furnace	Mg	65.9	µg/m**3	Z2
FE0212OT1A	87-0082-07	Air	Rockwell Furnace	Mg	20.2	µg/m**3	Z2
FE0213OT1A	87-0082-08	Air	Rockwell Furnace	Mg	20.2	µg/m**3	Z2
FE0216OT1A	87-0082-09	Air	Rockwell Furnace	Mg	3.3	µg/m**3	Z2
FE0217OT1A	87-0082-10	Air	Rockwell Furnace	Mg	41.3	µg/m**3	Z2
FE0220OT1A	87-0082-11	Air	Rockwell Furnace	Mg	9.7	µg/m**3	Z2
FE0221OT1A	87-0082-12	Air	Rockwell Furnace	Mg	14.0	µg/m**3	Z2
FE0224OT1A	87-0082-13	Air	Rockwell Furnace	Mg	4.5	µg/m**3	Z2
FE0225OT1A	87-0082-14	Air	Rockwell Furnace	Mg	7.2	µg/m**3	Z2
FE0228OT1A	87-0082-15	Air	Rockwell Furnace	Mg	3.2	µg/m**3	Z2

Table E.3.1 (Cont.) Environmental Problem 3 Process Emissions: Air Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0233OT1A	87-0082-16	Air	Rockwell Furnace	Mg	6.4	µg/m**3	Z2
FE0242OT01	87-0155-02	Air	Plant 5	Mg	529.0	mg/hr	Z2
FE0200OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0201OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0204OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0207OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0208OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0209OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0212OT1A		Air	Rockwell Furnace	MgF2	Maj		Z4
FE0213OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0216OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0220OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0221OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0224OT1A		Air	Rockwell Furnace	MgF2	Med		Z4
FE0225OT1A		Air	Rockwell Furnace	MgF2	Min		Z4
FE0228OT1A		Air	Rockwell Furnace	MgF2	Maj		Z4
FE0233OT1A		Air	Rockwell Furnace	MgF2	VM		Z4
FE0200OT1A		Air	Rockwell Furnace	MgO	Min		Z4
FE0201OT1A		Air	Rockwell Furnace	MgO	Min		Z4
FE0204OT1A		Air	Rockwell Furnace	MgO	Min		Z4
FE0207OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0208OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0212OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0220OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0225OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0228OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0233OT1A		Air	Rockwell Furnace	MgO	VM		Z4
FE0200OT1A		Air	Rockwell Furnace	Single-phase White Mat	Maj		Z4
FE0201OT1A		Air	Rockwell Furnace	Single-phase White Mat	Maj		Z4
FE0204OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0207OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0208OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0209OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4

Table E.3.1 (Cont.) Environmental Problem 3 Process Emissions: Air Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0212OT1A		Air	Rockwell Furnace	Single-phase White Mat	Min		Z4
FE0213OT1A		Air	Rockwell Furnace	Single-phase White Mat	Min		Z4
FE0216OT1A		Air	Rockwell Furnace	Single-phase White Mat	Min		Z4
FE0220OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0221OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0224OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0225OT1A		Air	Rockwell Furnace	Single-phase White Mat	Maj		Z4
FE0228OT1A		Air	Rockwell Furnace	Single-phase White Mat	Med		Z4
FE0233OT1A		Air	Rockwell Furnace	Single-phase White Mat	Maj		Z4
FE0200OT1A	87-0082-01	Air	Rockwell Furnace	TSP	163.4	µg/m**3	Z1
FE0201OT1A	87-0082-02	Air	Rockwell Furnace	TSP	348.2	µg/m**3	Z1
FE0204OT1A	87-0082-03	Air	Rockwell Furnace	TSP	204.2	µg/m**3	Z1
FE0207OT1A	87-0082-04	Air	Rockwell Furnace	TSP	172.1	µg/m**3	Z1
FE0208OT1A	87-0082-05	Air	Rockwell Furnace	TSP	155.4	µg/m**3	Z1
FE0209OT1A	87-0082-06	Air	Rockwell Furnace	TSP	83.7	µg/m**3	Z1
FE0212OT1A	87-0082-07	Air	Rockwell Furnace	TSP	239.9	µg/m**3	Z1
FE0213OT1A	87-0082-08	Air	Rockwell Furnace	TSP	179	µg/m**3	Z1
FE0216OT1A	87-0082-09	Air	Rockwell Furnace	TSP	71.6	µg/m**3	Z1
FE0217OT1A	87-0082-10	Air	Rockwell Furnace	TSP	<25	µg/m**3	Z1
FE0220OT1A	87-0082-11	Air	Rockwell Furnace	TSP	115.5	µg/m**3	Z1
FE0221OT1A	87-0082-12	Air	Rockwell Furnace	TSP	25.1	µg/m**3	Z1
FE0224OT1A	87-0082-13	Air	Rockwell Furnace	TSP	163.7	µg/m**3	Z1
FE0225OT1A	87-0082-14	Air	Rockwell Furnace	TSP	140.7	µg/m**3	Z1
FE0228OT1A	87-0082-15	Air	Rockwell Furnace	TSP	171.7	µg/m**3	Z1
FE0233OT1A	87-0082-16	Air	Rockwell Furnace	TSP	208.8	µg/m**3	Z1
FE0242OT01		Air	Plant 5	TSP	14600.0	mg/hr	Z2
FE0244OT01		Air	Plant 9	TSP	9600.0	mg/hr	Z2
FE0245OT01		Air	Plant 9	TSP	20500.0	mg/hr	Z2
FE0200OT1A		Air	Rockwell Furnace	UO2	VM		Z4
FE0204OT1A		Air	Rockwell Furnace	UO2	VM		Z4
FE0224OT1A		Air	Rockwell Furnace	UO2	VM		Z4
FE0228OT1A		Air	Rockwell Furnace	UO2	VM		Z4
FE0236ST2B	Tenax 2B	Air	Plant 9	Acetone	36.1	µg/m**3	Z3

Table E.3.1 (Cont.) Environmental Problem 3 Process Emissions: Air Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0236ST1B	Tenax 1B	Air	Plant 9	Alkane	22.6	µg/m**3	Z3
FE0236ST1B	Tenax 1B	Air	Plant 9	Methyl benzofuran	10.8	µg/m**3	Z3
FE0236ST1B	Tenax 1B	Air	Plant 9	Methylene Chloride	82.8	µg/m**3	Z3
FE0236ST1B	Tenax 1B	Air	Plant 9	N-Phenyl Benzamine	1039.2	µg/m**3	Z3
FE0236ST1B	Tenax 1B	Air	Plant 9	Phthalate	150.6	µg/m**3	Z3
FE02440T		Air	Upstream filter	TOC			Z7
FE02450T		Air	Downstream filter	TOC			Z7
FE02440T		Air	Upstream filter	TOX			Z7
FE02450T		Air	Downstream filter	TOX			Z7
FE0236ST1B	Tenax 1B	Air	Plant 9	Trichlorofluoromethane	14.8	µg/m**3	Z3
FE0236ST1B	Tenax 1B	Air	Plant 9	Trichloroheptafluorobutane	316.3	µg/m**3	Z3
FE02460T		Air	Plant 9				Z9
FE02470T		Air	Plant 9				Z10
FE0200OT1A	87-0082-01	Air	Rockwell Furnace	Total U	5.0	µg/m**3	Z2
FE0201OT1A	87-0082-02	Air	Rockwell Furnace	Total U	5.3	µg/m**3	Z2
FE0204OT1A	87-0082-03	Air	Rockwell Furnace	Total U	6.0	µg/m**3	Z2
FE0207OT1A	87-0082-04	Air	Rockwell Furnace	Total U	4.9	µg/m**3	Z2
FE0208OT1A	87-0082-05	Air	Rockwell Furnace	Total U	14.0	µg/m**3	Z2
FE0209OT1A	87-0082-06	Air	Rockwell Furnace	Total U	10.2	µg/m**3	Z2
FE0212OT1A	87-0082-07	Air	Rockwell Furnace	Total U	19.7	µg/m**3	Z2
FE0213OT1A	87-0082-08	Air	Rockwell Furnace	Total U	8.8	µg/m**3	Z2
FE0216OT1A	87-0082-09	Air	Rockwell Furnace	Total U	3.9	µg/m**3	Z2
FE0217OT1A	87-0082-10	Air	Rockwell Furnace	Total U	3.3	µg/m**3	Z2
FE0220OT1A	87-0082-11	Air	Rockwell Furnace	Total U	11.8	µg/m**3	Z2
FE0221OT1A	87-0082-12	Air	Rockwell Furnace	Total U	11.8	µg/m**3	Z2
FE0224OT1A	87-0082-13	Air	Rockwell Furnace	Total U	5.7	µg/m**3	Z2
FE0225OT1A	87-0082-14	Air	Rockwell Furnace	Total U	5.2	µg/m**3	Z2
FE0228OT1A	87-0082-15	Air	Rockwell Furnace	Total U	4.9	µg/m**3	Z2
FE0233OT1A	87-0082-16	Air	Rockwell Furnace	Total U	3.3	µg/m**3	Z2
FE0242OT01	87-0155-01	Air	Plant 9	Total U	214.0	mg/hr	Z2
FE0244OT01	87-0155-04	Air	Plant 9	Total U	311.0	mg/hr	Z2
FE0245OT01	87-0155-06	Air	Plant 9	Total U	141.0	mg/hr	Z2

Table E.4.1 Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-235	0.27 ± 0.02	pCi/g	
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-235	A	pCi/g	
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-235	A	pCi/g	
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	U-235	0.16 ± 0.01	pCi/g	
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	U-235	0.14 ± 0.02	pCi/g	
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	U-235	0.14 ± 0.02	pCi/g	
FE0627DS2B	87-4001	Soil	Building 69	U-235	0.16 ± 0.01	pCi/g	
FE0628DS2B	87-4001	Soil	Building 69	U-235	0.12 ± 0.01	pCi/g	
FE0629DS2B	87-4001	Soil	Building 69	U-235	0.09 ± 0.01	pCi/g	
FE0630DS2B	87-4001	Soil	Building 69	U-235	0.05 ± 0.01	pCi/g	
FE0631DS2B	87-4001	Soil	Plant 1	U-235	0.12 ± 0.02	pCi/g	
FE0632DS2B	87-4001	Soil	Plant 1	U-235	0.12 ± 0.01	pCi/g	
FE0633DS2B	87-4001	Soil	Plant 1	U-235	0.07 ± 0.02	pCi/g	
FE0634DS2B	87-4001	Soil	Plant 1	U-235	B	pCi/g	
FE0636DS2B	87-4001	Soil	Plant 6	U-235	0.13 ± 0.01	pCi/g	
FE0638DS2B	87-4001	Soil	Plant 6	U-235	0.21 ± 0.01	pCi/g	
FE0639DS2B	87-4001	Soil	Plant 6	U-235	0.15 ± 0.02	pCi/g	
FE0640DS2B	87-4001	Soil	Plant 4	U-235	0.14 ± 0.01	pCi/g	
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-238	7.6 ± 2.2	pCi/g	
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-238	A	pCi/g	
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	U-238	18 ± 5	pCi/g	
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	U-238	8.1 ± 2.4	pCi/g	
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	U-238	20 ± 5	pCi/g	
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	U-238	A	pCi/g	
FE0627DS2B	87-4001	Soil	Building 69	U-238	A	pCi/g	
FE0628DS2B	87-4001	Soil	Building 69	U-238	12 ± 2	pCi/g	
FE0629DS2B	87-4001	Soil	Building 69	U-238	B	pCi/g	
FE0630DS2B	87-4001	Soil	Building 69	U-238	A	pCi/g	
FE0631DS2B	87-4001	Soil	Plant 1	U-238	A	pCi/g	
FE0632DS2B	87-4001	Soil	Plant 1	U-238	A	pCi/g	
FE0633DS2B	87-4001	Soil	Plant 1	U-238	A	pCi/g	
FE0634DS2B	87-4001	Soil	Plant 1	U-238	A	pCi/g	
FE0636DS2B	87-4001	Soil	Plant 6	U-238	A	pCi/g	
FE0638DS2B	87-4001	Soil	Plant 6	U-238	18 ± 3	pCi/g	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0639DS2B	87-4001	Soil	Plant 6	U-238	A	pCi/g	
FE0640DS2B	87-4001	Soil	Plant 4	U-238	7.8 ± 1.4	pCi/g	
FE0636DS2B	87-0084-12	Soil	Plant 6	As	<0.5	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Ag	< 0.1	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Ag	< 0.1	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Ag	< 0.1	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Ag	< 0.1	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Ag	< 0.1	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Ag	< 0.1	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Ag	< 0.1	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Ag	< 0.1	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Ag	< 0.1	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Ag	< 0.1	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Ag	< 0.1	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Ag	< 0.1	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	Ag	< 0.1	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Ag	< 0.1	mg/L	
FE0636DS2B	87-0084-12	Soil	Plant 6	Ag	< 0.1	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Ag	< 0.1	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Ag	< 0.1	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Ag	< 0.1	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	As	< 0.5	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	As	< 0.5	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	As	< 0.5	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	As	< 0.5	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	As	< 0.5	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	As	< 0.5	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	As	< 0.5	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	As	< 0.5	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	As	< 0.5	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	As	< 0.5	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	As	< 0.5	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	As	< 0.5	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	As	< 0.5	mg/L	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0634DS1B	87-0084-11	Soil	Plant 1	As	< 0.5	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	As	< 0.5	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	As	< 0.5	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	As	< 0.5	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Ba	0.58	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Ba	0.58	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Ba	0.61	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Ba	0.69	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Ba	0.63	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Ba	0.41	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Ba	0.55	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Ba	0.52	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Ba	1.05	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Ba	1.22	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Ba	0.73	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Ba	0.75	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	Ba	0.5	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Ba	0.59	mg/L	
FE0636DS2B	87-0084-12	Soil	Plant 6	Ba	0.64	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Ba	0.45	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Ba	0.61	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Ba	0.85	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Cd	< 0.02	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Cd	< 0.02	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Cd	< 0.02	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Cd	< 0.02	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Cd	< 0.02	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Cd	< 0.02	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Cd	< 0.02	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Cd	< 0.02	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Cd	< 0.02	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Cd	< 0.02	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Cd	< 0.02	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Cd	< 0.02	mg/L	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0633DS1B	87-0084-10	Soil	Plant 1	Cd	< 0.02	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Cd	< 0.02	mg/L	
FE0636DS2B	87-0084-12	Soil	Plant 6	Cd	< 0.02	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Cd	< 0.02	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Cd	< 0.02	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Cd	< 0.02	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Cr	0.03	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Cr	0.03	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Cr	< 0.03	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Cr	0.05	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Cr	< 0.03	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Cr	0.05	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Cr	< 0.03	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Cr	< 0.03	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Cr	< 0.03	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Cr	< 0.03	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Cr	< 0.03	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Cr	< 0.03	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	Cr	0.04	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Cr	0.04	mg/L	
FE0636DS2B	87-0084-12	Soil	Plant 6	Cr	< 0.03	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Cr	< 0.03	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Cr	< 0.03	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Cr	< 0.03	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Hg	< 0.001	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Hg	< 0.001	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Hg	< 0.001	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Hg	< 0.001	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Hg	< 0.001	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Hg	< 0.001	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Hg	< 0.001	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Hg	< 0.001	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Hg	< 0.001	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Hg	< 0.001	mg/L	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0631DS1B	87-0084-08	Soil	Plant 1	Hg	< 0.001	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Hg	< 0.001	mg/L	S
FE0633DS1B	87-0084-10	Soil	Plant 1	Hg	< 0.001	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Hg	< 0.001	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Hg	< 0.001	mg/L	
FE0639DS1B	87-9984-14	Soil	Plant 6	Hg	< 0.001	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Hg	< 0.001	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Pb	< 0.3	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Pb	< 0.3	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Pb	< 0.3	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Pb	< 0.3	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Pb	< 0.3	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Pb	< 0.3	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Pb	< 0.3	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Pb	< 0.3	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Pb	< 0.3	mg/L	
FE0630DS1B	87-0084-07	Soil	Building 69	Pb	< 0.3	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Pb	< 0.3	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Pb	< 0.3	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	Pb	< 0.3	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Pb	< 0.3	mg/L	
FE0636DS2B	87-0084-12	Soil	Plant 6	Pb	< 0.3	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Pb	< 0.3	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Pb	< 0.3	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Pb	< 0.3	mg/L	
FE0116SS1B	87-0127-01	Soil	Pi.Pl. Tile Field	Se	< 0.5	mg/L	
FE0117SS1B	87-0127-02	Soil	Pi.Pl. Tile Field	Se	< 0.5	mg/L	
FE0118SS1B	87-0127-03	Soil	Pi.Pl. Tile Field	Se	< 0.5	mg/L	
FE0624DS1B	87-0084-01	Soil	S. of Pilot Plant	Se	< 0.5	mg/L	
FE0625DS1B	87-0084-02	Soil	S. of Pilot Plant	Se	< 0.5	mg/L	
FE0626DS1B	87-0084-03	Soil	S. of Pilot Plant	Se	< 0.5	mg/L	
FE0627DS1B	87-0084-04	Soil	Building 69	Se	< 0.5	mg/L	
FE0628DS1B	87-0084-05	Soil	Building 69	Se	< 0.5	mg/L	
FE0629DS1B	87-0084-06	Soil	Building 69	Se	< 0.5	mg/L	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0630DS1B	87-0084-07	Soil	Building 69	Se	< 0.5	mg/L	
FE0631DS1B	87-0084-08	Soil	Plant 1	Se	< 0.5	mg/L	
FE0632DS1B	87-0084-09	Soil	Plant 1	Se	< 0.5	mg/L	
FE0633DS1B	87-0084-10	Soil	Plant 1	Se	< 0.5	mg/L	
FE0634DS1B	87-0084-11	Soil	Plant 1	Se	< 0.5	mg/L	
FE0638DS1B	87-0084-13	Soil	Plant 6	Se	< 0.5	mg/L	
FE0639DS1B	87-0084-14	Soil	Plant 6	Se	< 0.5	mg/L	
FE0640DS1B	87-0093-10	Soil	Plant 4	Se	< 0.5	mg/L	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1,1-Trichloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1,1-Trichloroethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1,1-Trichloroethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,1,1-Trichloroethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,1,1-Trichloroethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,1,1-Trichloroethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,1,1-Trichloroethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,1,1-Trichloroethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,1,1-Trichloroethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,1,1-Trichloroethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,1,1-Trichloroethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,1,1-Trichloroethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,1,1-Trichloroethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,1,1-Trichloroethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,1,1-Trichloroethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,1,1-Trichloroethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,1,1-Trichloroethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,1,1-Trichloroethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,1,2,2-Tetrachloroethane	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0629DS3B	86-7004	Soil	Building 69	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1,2-Trichloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1,2-Trichloroethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1,2-Trichloroethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,1,2-Trichloroethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,1,2-Trichloroethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,1,2-Trichloroethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,1,2-Trichloroethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,1,2-Trichloroethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,1,2-Trichloroethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,1,2-Trichloroethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,1,2-Trichloroethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,1,2-Trichloroethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,1,2-Trichloroethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,1,2-Trichloroethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,1,2-Trichloroethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,1,2-Trichloroethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,1,2-Trichloroethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,1,2-Trichloroethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,1-Dichloroethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,1-Dichloroethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,1-Dichloroethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,1-Dichloroethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,1-Dichloroethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,1-Dichloroethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,1-Dichloroethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,1-Dichloroethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,1-Dichloroethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,1-Dichloroethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,1-Dichloroethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,1-Dichloroethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,1-Dichloroethane	<5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,1-Dichloroethene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,1-Dichloroethene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,1-Dichloroethene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,1-Dichloroethene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,1-Dichloroethene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,1-Dichloroethene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,1-Dichloroethene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,1-Dichloroethene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,1-Dichloroethene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,1-Dichloroethene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,1-Dichloroethene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,1-Dichloroethene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,1-Dichloroethene	<5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,2-Dichloroethane	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,2-Dichloroethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,2-Dichloroethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,2-Dichloroethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,2-Dichloroethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,2-Dichloroethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,2-Dichloroethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,2-Dichloroethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,2-Dichloroethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,2-Dichloroethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,2-Dichloroethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,2-Dichloroethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,2-Dichloroethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,2-Dichloroethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,2-Dichloroethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	1,2-Dichloropropane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	1,2-Dichloropropane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	1,2-Dichloropropane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	1,2-Dichloropropane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	1,2-Dichloropropane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	1,2-Dichloropropane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	1,2-Dichloropropane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	1,2-Dichloropropane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	1,2-Dichloropropane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	1,2-Dichloropropane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	1,2-Dichloropropane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	1,2-Dichloropropane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	1,2-Dichloropropane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	1,2-Dichloropropane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	1,2-Dichloropropane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	1,2-Dichloropropane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	1,2-Dichloropropane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	1,2-Dichloropropane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	2-Butanone	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	2-Butanone	< 10	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	2-Butanone	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	2-Butanone	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	2-Butanone	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	2-Butanone	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	2-Butanone	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	2-Butanone	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	2-Butanone	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	2-Butanone	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	2-Butanone	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	2-Butanone	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	2-Butanone	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	2-Butanone	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	2-Butanone	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	2-Butanone	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	2-Butanone	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	2-Butanone	6	µg/kg	BJ
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	2-Chloroethylvinyl Ether	<10	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	2-Hexanone	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	2-Hexanone	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	2-Hexanone	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	2-Hexanone	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	2-Hexanone	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	2-Hexanone	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	2-Hexanone	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	2-Hexanone	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	2-Hexanone	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	2-Hexanone	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	2-Hexanone	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	2-Hexanone	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	2-Hexanone	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	2-Hexanone	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	2-Hexanone	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	2-Hexanone	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	2-Hexanone	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	2-Hexanone	<10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	4-Methyl-2-Pentanone	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	4-Methyl-2-Pentanone	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	4-Methyl-2-Pentanone	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	4-Methyl-2-Pentanone	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	4-Methyl-2-Pentanone	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	4-Methyl-2-Pentanone	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	4-Methyl-2-Pentanone	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	4-Methyl-2-Pentanone	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	4-Methyl-2-Pentanone	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	4-Methyl-2-Pentanone	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	4-Methyl-2-Pentanone	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	4-Methyl-2-Pentanone	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	4-Methyl-2-Pentanone	<10	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0637DS1B	61002099	Soil	Plant 6	4-Methyl-2-Pentanone	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	4-Methyl-2-Pentanone	<10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Acetone	49	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Acetone	90	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Acetone	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Acetone	14	µg/kg	B
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Acetone	24	µg/kg	B
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Acetone	24	µg/kg	B
FE0627DS3B	86-7004	Soil	Building 69	Acetone	31	µg/kg	B
FE0628DS3B	86-7004	Soil	Building 69	Acetone	22	µg/kg	B
FE0629DS3B	86-7004	Soil	Building 69	Acetone	20	µg/kg	B
FE0630DS3B	86-7004	Soil	Building 69	Acetone	28	µg/kg	B
FE0631DS3B	61002093	Soil	Plant 1	Acetone	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Acetone	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Acetone	14	µg/kg	B
FE0634DS3B	86-7005	Soil	Plant 1	Acetone	4	µg/kg	BJ
FE0635DS1B	61002097	Soil	W of Plant 6	Acetone	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Acetone	15	µg/kg	B
FE0637DS1B	61002099	Soil	Plant 6	Acetone	13	µg/kg	B
FE0640BS3B	61003237	Soil	Plant 4	Acetone	10	µg/kg	B
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Benzene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Benzene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Benzene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Benzene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Benzene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Benzene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Benzene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Benzene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Benzene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Benzene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Benzene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Benzene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Benzene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Benzene	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0635DS1B	61002097	Soil	W of Plant 6	Benzene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Benzene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Benzene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Benzene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Bromodichloromethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Bromodichloromethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Bromodichloromethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Bromodichloromethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Bromodichloromethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Bromodichloromethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Bromodichloromethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Bromodichloromethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Bromodichloromethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Bromodichloromethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Bromodichloromethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Bromodichloromethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Bromodichloromethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Bromodichloromethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Bromodichloromethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Bromodichloromethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Bromodichloromethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Bromodichloromethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Bromoform	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Bromoform	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Bromoform	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Bromoform	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Bromoform	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Bromoform	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Bromoform	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Bromoform	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Bromoform	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Bromoform	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Bromoform	<5	µg/kg	
FE0632DS3B	86-70^5	Soil	Plant 1	Bromoform	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0633DS3B	86-7005	Soil	Plant 1	Bromoform	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Bromoform	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Bromoform	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Bromoform	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Bromoform	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Bromoform	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Bromomethane	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Bromomethane	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Bromomethane	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Bromomethane	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Bromomethane	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Bromomethane	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Bromomethane	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Bromomethane	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Bromomethane	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Bromomethane	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Bromomethane	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Bromomethane	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Bromomethane	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Bromomethane	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Bromomethane	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Bromomethane	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Bromomethane	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Bromomethane	<10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Carbon Disulfide	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Carbon Disulfide	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Carbon Disulfide	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Carbon Disulfide	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Carbon Disulfide	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Carbon Disulfide	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Carbon Disulfide	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Carbon Disulfide	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Carbon Disulfide	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Carbon Disulfide	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0631DS3B	61002093	Soil	Plant 1	Carbon Disulfide	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Carbon Disulfide	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Carbon Disulfide	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Carbon Disulfide	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Carbon Disulfide	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Carbon Disulfide	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Carbon Disulfide	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Carbon Disulfide	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Carbon Tetrachloride	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Carbon Tetrachloride	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Carbon Tetrachloride	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Carbon Tetrachloride	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Carbon Tetrachloride	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Carbon Tetrachloride	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Carbon Tetrachloride	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Carbon Tetrachloride	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Carbon Tetrachloride	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Carbon Tetrachloride	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Carbon Tetrachloride	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Carbon Tetrachloride	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Carbon Tetrachloride	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Carbon Tetrachloride	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Carbon Tetrachloride	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Carbon Tetrachloride	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Carbon Tetrachloride	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Carbon Tetrachloride	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Chlorobenzene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Chlorobenzene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Chlorobenzene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Chlorobenzene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Chlorobenzene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Chlorobenzene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Chlorobenzene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Chlorobenzene	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0629DS3B	86-7004	Soil	Building 69	Chlorobenzene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Chlorobenzene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Chlorobenzene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Chlorobenzene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Chlorobenzene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Chlorobenzene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Chlorobenzene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Chlorobenzene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Chlorobenzene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Chlorobenzene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Chloroethane	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Chloroethane	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Chloroethane	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Chloroethane	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Chloroethane	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Chloroethane	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Chloroethane	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Chloroethane	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Chloroethane	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Chloroethane	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Chloroethane	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Chloroethane	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Chloroethane	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Chloroethane	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Chloroethane	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Chloroethane	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Chloroethane	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Chloroethane	<10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Chloroform	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Chloroform	8	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Chloroform	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Chloroform	6	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Chloroform	10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Chloroform	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0627DS3B	86-7004	Soil	Building 69	Chloroform	14	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Chloroform	15	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Chloroform	12	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Chloroform	13	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Chloroform	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Chloroform	7	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Chloroform	8	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Chloroform	7	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Chloroform	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Chloroform	9	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Chloroform	11	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Chloroform	3	µg/kg	J
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Chloromethane	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Chloromethane	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Chloromethane	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Chloromethane	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Chloromethane	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Chloromethane	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Chloromethane	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Chloromethane	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Chloromethane	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Chloromethane	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Chloromethane	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Chloromethane	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Chloromethane	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Chloromethane	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Chloromethane	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Chloromethane	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Chloromethane	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Chloromethane	<10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Cis-1,3-Dichloropropene	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Dibromochloromethane	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Dibromochloromethane	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Dibromochloromethane	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Dibromochloromethane	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Dibromochloromethane	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Dibromochloromethane	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Dibromochloromethane	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Dibromochloromethane	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Dibromochloromethane	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Dibromochloromethane	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Dibromochloromethane	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Dibromochloromethane	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Dibromochloromethane	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Dibromochloromethane	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Dibromochloromethane	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Dibromochloromethane	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Dibromochloromethane	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Dibromochloromethane	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Ethylbenzene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Ethylbenzene	< 5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Ethylbenzene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Ethylbenzene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Ethylbenzene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Ethylbenzene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Ethylbenzene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Ethylbenzene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Ethylbenzene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Ethylbenzene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Ethylbenzene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Ethylbenzene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Ethylbenzene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Ethylbenzene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Ethylbenzene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Ethylbenzene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Ethylbenzene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Ethylbenzene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Methylene Chloride	26	µg/kg	B
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Methylene Chloride	22	µg/kg	B
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Methylene Chloride	43	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Methylene Chloride	7	µg/kg	B
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Methylene Chloride	13	µg/kg	B
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Methylene Chloride	9	µg/kg	B
FE0627DS3B	86-7004	Soil	Building 69	Methylene Chloride	17	µg/kg	B
FE0628DS3B	86-7004	Soil	Building 69	Methylene Chloride	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Methylene Chloride	12	µg/kg	B
FE0630DS3B	86-7004	Soil	Building 69	Methylene Chloride	15	µg/kg	B
FE0631DS3B	61002093	Soil	Plant 1	Methylene Chloride	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Methylene Chloride	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Methylene Chloride	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Methylene Chloride	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Methylene Chloride	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Methylene Chloride	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Methylene Chloride	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Methylene Chloride	11	µg/kg	B

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Styrene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Styrene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Styrene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Styrene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Styrene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Styrene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Styrene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Styrene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Styrene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Styrene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Styrene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Styrene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Styrene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Styrene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Styrene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Styrene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Styrene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Styrene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Tetrachloroethene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Tetrachloroethene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Tetrachloroethene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Tetrachloroethene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Tetrachloroethene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Tetrachloroethene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Tetrachloroethene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Tetrachloroethene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Tetrachloroethene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Tetrachloroethene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Tetrachloroethene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Tetrachloroethene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Tetrachloroethene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Tetrachloroethene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Tetrachloroethene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Tetrachloroethene	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0637DS1B	61002099	Soil	Plant 6	Tetrachloroethene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Tetrachloroethene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Toluene	2	µg/kg	B J
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Toluene	2	µg/kg	B J
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Toluene	2	µg/kg	B J
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Toluene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Toluene	2	µg/kg	BJ
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Toluene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Toluene	2	µg/kg	BJ
FE0628DS3B	86-7004	Soil	Building 69	Toluene	3	µg/kg	BJ
FE0629DS3B	86-7004	Soil	Building 69	Toluene	3	µg/kg	BJ
FE0630DS3B	86-7004	Soil	Building 69	Toluene	3	µg/kg	BJ
FE0631DS3B	61002093	Soil	Plant 1	Toluene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Toluene	2	µg/kg	BJ
FE0633DS3B	86-7005	Soil	Plant 1	Toluene	2	µg/kg	BJ
FE0634DS3B	86-7005	Soil	Plant 1	Toluene	2	µg/kg	BJ
FE0635DS1B	61002097	Soil	W of Plant 6	Toluene	2	µg/kg	BJ
FE0636DS1B	61002098	Soil	Plant 6	Toluene	3	µg/kg	BJ
FE0637DS1B	61002099	Soil	Plant 6	Toluene	4	µg/kg	BJ
FE0640BS3B	61003237	Soil	Plant 4	Toluene	2	µg/kg	BJ
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Total Xylenes	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Total Xylenes	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Total Xylenes	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Total Xylenes	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Total Xylenes	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Total Xylenes	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Total Xylenes	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Total Xylenes	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Total Xylenes	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Total Xylenes	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Total Xylenes	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Total Xylenes	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Total Xylenes	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Total Xylenes	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0635DS1B	61002097	Soil	W of Plant 6	Total Xylenes	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Total Xylenes	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Total Xylenes	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Total Xylenes	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Trans-1,2-Dichloroethene	12	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Trans-1,2-Dichloroethene	15	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Trans-1,3-Dichloropropene	<5	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0633DS3B	86-7005	Soil	Plant 1	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Trichloroethene	< 5	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Trichloroethene	< 5	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Trichloroethene	< 5	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Trichloroethene	<5	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Trichloroethene	<5	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Trichloroethene	<5	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Trichloroethene	<5	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Trichloroethene	<5	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Trichloroethene	<5	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Trichloroethene	<5	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Trichloroethene	<5	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Trichloroethene	<5	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Trichloroethene	<5	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Trichloroethene	<5	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Trichloroethene	<5	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Trichloroethene	<5	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Trichloroethene	<5	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Trichloroethene	<5	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Vinyl Chloride	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Vinyl Chloride	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Vinyl Chloride	< 10	µg/kg	
FE0116SS3B	60906251	Soil	Pi.Pl. Tile Field	Vinyl Acetate	< 10	µg/kg	
FE0117SS3B	60906252	Soil	Pi.Pl. Tile Field	Vinyl Acetate	< 10	µg/kg	
FE0118SS3B	60906253	Soil	Pi.Pl. Tile Field	Vinyl Acetate	< 10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Vinyl Acetate	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Vinyl Acetate	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Vinyl Acetate	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Vinyl Acetate	<10	µg/kg	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0628DS3B	86-7004	Soil	Building 69	Vinyl Acetate	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Vinyl Acetate	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Vinyl Acetate	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Vinyl Acetate	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Vinyl Acetate	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Vinyl Acetate	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Vinyl Acetate	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Vinyl Acetate	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Vinyl Acetate	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Vinyl Acetate	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Vinyl Acetate	<10	µg/kg	
FE0624DS3B	61002085	Soil	S. of Pilot Plant	Vinyl Chloride	<10	µg/kg	
FE0625DS3B	86-7004	Soil	S. of Pilot Plant	Vinyl Chloride	<10	µg/kg	
FE0626DS3B	86-7004	Soil	S. of Pilot Plant	Vinyl Chloride	<10	µg/kg	
FE0627DS3B	86-7004	Soil	Building 69	Vinyl Chloride	<10	µg/kg	
FE0628DS3B	86-7004	Soil	Building 69	Vinyl Chloride	<10	µg/kg	
FE0629DS3B	86-7004	Soil	Building 69	Vinyl Chloride	<10	µg/kg	
FE0630DS3B	86-7004	Soil	Building 69	Vinyl Chloride	<10	µg/kg	
FE0631DS3B	61002093	Soil	Plant 1	Vinyl Chloride	<10	µg/kg	
FE0632DS3B	86-7005	Soil	Plant 1	Vinyl Chloride	<10	µg/kg	
FE0633DS3B	86-7005	Soil	Plant 1	Vinyl Chloride	<10	µg/kg	
FE0634DS3B	86-7005	Soil	Plant 1	Vinyl Chloride	<10	µg/kg	
FE0635DS1B	61002097	Soil	W of Plant 6	Vinyl Chloride	<10	µg/kg	
FE0636DS1B	61002098	Soil	Plant 6	Vinyl Chloride	<10	µg/kg	
FE0637DS1B	61002099	Soil	Plant 6	Vinyl Chloride	<10	µg/kg	
FE0640BS3B	61003237	Soil	Plant 4	Vinyl Chloride	<10	µg/kg	
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	Bi-214	2.5 ± 0.1	pCi/g	
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	Bi-214	0.92 ± 0.06	pCi/g	
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	Bi-214	1.4 ± 0.1	pCi/g	
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	Bi-214	1.1 ± 0.1	pCi/g	
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	Bi-214	0.99 ± 0.08	pCi/g	
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	Bi-214	1.3 ± 0.1	pCi/g	
FE0627DS2B	87-4001	Soil	Building 69	Bi-214	1.3 ± 0.1	pCi/g	
FE0628DS2B	87-4001	Soil	Building 69	Bi-214	0.79 ± 0.04	pCi/g	

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0629DS2B	87-4001	Soil	Building 69	Bi-214	0.62 ± 0.07	pCi/g	
FE0630DS2B	87-4001	Soil	Building 69	Bi-214	0.89 ± 0.05	pCi/g	
FE0631DS2B	87-4001	Soil	Plant 1	Bi-214	0.96 ± 0.08	pCi/g	
FE0632DS2B	87-4001	Soil	Plant 1	Bi-214	0.75 ± 0.07	pCi/g	
FE0633DS2B	87-4001	Soil	Plant 1	Bi-214	1.1 ± 0.1	pCi/g	
FE0634DS2B	87-4001	Soil	Plant 1	Bi-214	1.2 ± 0.1	pCi/g	
FE0636DS2B	87-4001	Soil	Plant 6	Bi-214	0.68 ± 0.08	pCi/g	
FE0638DS2B	87-4001	Soil	Plant 6	Bi-214	0.76 ± 0.07	pCi/g	
FE0639DS2B	87-4001	Soil	Plant 6	Bi-214	0.88 ± 0.1	pCi/g	
FE0640DS2B	87-4001	Soil	Plant 4	Bi-214	1.2 ± 0.1	pCi/g	
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	Cs-137	0.09 ± 0.02	pCi/g	
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	Cs-137	B	pCi/g	
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	Cs-137	0.24 ± 0.04	pCi/g	
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	Cs-137	B	pCi/g	
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	Cs-137	B	pCi/g	
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	Cs-137	B	pCi/g	
FE0627DS2B	87-4001	Soil	Building 69	Cs-137	A	pCi/g	
FE0628DS2B	87-4001	Soil	Building 69	Cs-137	B	pCi/g	
FE0629DS2B	87-4001	Soil	Building 69	Cs-137	A	pCi/g	
FE0630DS2B	87-4001	Soil	Building 69	Cs-137	B	pCi/g	
FE0631DS2B	87-4001	Soil	Plant 1	Cs-137	B	pCi/g	
FE0632DS2B	87-4001	Soil	Plant 1	Cs-137	B	pCi/g	
FE0633DS2B	87-4001	Soil	Plant 1	Cs-137	B	pCi/g	
FE0634DS2B	87-4001	Soil	Plant 1	Cs-137	B	pCi/g	
FE0636DS2B	87-4001	Soil	Plant 6	Cs-137	B	pCi/g	
FE0638DS2B	87-4001	Soil	Plant 6	Cs-137	B	pCi/g	
FE0639DS2B	87-4001	Soil	Plant 6	Cs-137	B	pCi/g	
FE0640DS2B	87-4001	Soil	Plant 4	Cs-137	B	pCi/g	
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	Ra-226	2.2 ± 0.1	pCi/g	G
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	Ra-226	0.89 ±0.04	pCi/g	G
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	Ra-226	1.3 ± 0.1	pCi/g	G
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	Ra-226	1.1 ± 0.1	pCi/g	G
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	Ra-226	1.1 ± 0.1	pCi/g	G
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	Ra-226	1.5 ± 0.1	pCi/g	G

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0627DS2B	87-4001	Soil	Building 69	Ra-226	1.4 ± 0.1	pCi/g	G
FE0628DS2B	87-4001	Soil	Building 69	Ra-226	0.86 ± 0.03	pCi/g	G
FE0629DS2B	87-4001	Soil	Building 69	Ra-226	0.76 ± 0.06	pCi/g	G
FE0630DS2B	87-4001	Soil	Building 69	Ra-226	0.94 ± 0.04	pCi/g	G
FE0631DS2B	87-4001	Soil	Plant 1	Ra-226	1.0 ± 0.1	pCi/g	G
FE0632DS2B	87-4001	Soil	Plant 1	Ra-226	0.84 ± 0.06	pCi/g	G
FE0633DS2B	87-4001	Soil	Plant 1	Ra-226	1.3 ± 0.1	pCi/g	G
FE0634DS2B	87-4001	Soil	Plant 1	Ra-226	1.2 ± 0.1	pCi/g	G
FE0636DS2B	87-4001	Soil	Plant 6	Ra-226	0.85 ± 0.06	pCi/g	G
FE0638DS2B	87-4001	Soil	Plant 6	Ra-226	0.81 ± 0.06	pCi/g	G
FE0639DS2B	87-4001	Soil	Plant 6	Ra-226	0.79 ± 0.07	pCi/g	G
FE0640DS2B	87-4001	Soil	Plant 4	Ra-226	1.1 ± 0.1	pCi/g	G
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-228	0.91 ± 0.06	pCi/g	G
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-228	0.81 ± 0.08	pCi/g	G
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-228	2.1 ± 0.1	pCi/g	G
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	Th-228	0.96 ± 0.06	pCi/g	G
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	Th-228	1.1 ± 0.1	pCi/g	G
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	Th-228	1.2 ± 0.1	pCi/g	G
FE0627DS2B	87-4001	Soil	Building 69	Th-228	1.3 ± 0.1	pCi/g	G
FE0628DS2B	87-4001	Soil	Building 69	Th-228	1.1 ± 0.1	pCi/g	G
FE0629DS2B	87-4001	Soil	Building 69	Th-228	1.2 ± 0.1	pCi/g	G
FE0630DS2B	87-4001	Soil	Building 69	Th-228	0.72 ±0.05	pCi/g	G
FE0631DS2B	87-4001	Soil	Plant 1	Th-228	1.1 ± 0.1	pCi/g	G
FE0632DS2B	87-4001	Soil	Plant 1	Th-228	1.1 ±0.1	pCi/g	G
FE0633DS2B	87-4001	Soil	Plant 1	Th-228	0.93 ± 0.10	pCi/g	G
FE0634DS2B	87-4001	Soil	Plant 1	Th-228	0.88 ± 0.11	pCi/g	G
FE0636DS2B	87-4001	Soil	Plant 6	Th-228	0.56 ± 0.09	pCi/g	G
FE0638DS2B	87-4001	Soil	Plant 6	Th-228	0.64 ± 0.09	pCi/g	G
FE0639DS2B	87-4001	Soil	Plant 6	Th-228	0.68 ± 0.10	pCi/g	G
FE0640DS2B	87-4001	Soil	Plant 4	Th-228	0.75 ± 0.05	pCi/g	G
FE0116SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-232	0.98 ± 0.05	pCi/g	G
FE0117SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-232	0.68 ± 0.11	pCi/g	G
FE0118SS2B	87-4001	Soil	Pi.Pl. Tile Field	Th-232	1.4 ± 0.2	pCi/g	G
FE0624DS2B	87-4001	Soil	S. of Pilot Plant	Th-232	0.98 ± 0.09	pCi/g	G

Table E.4.1 (Cont.) Environmental Problem 4 Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0625DS2B	87-4001	Soil	S. of Pilot Plant	Th-232	1.3 ±0.1	pCi/g	G
FE0626DS2B	87-4001	Soil	S. of Pilot Plant	Th-232	1.1 ± 0.2	pCi/g	G
FE0627DS2B	87-4001	Soil	Building 69	Th-232	1.4 ± 0.1	pCi/g	G
FE0628DS2B	87-4001	Soil	Building 69	Th-232	0.93 ± 0.06	pCi/g	G
FE0629DS2B	87-4001	Soil	Building 69	Th-232	1.0 ± 0.1	pCi/g	G
FE0630DS2B	87-4001	Soil	Building 69	Th-232	0.74 ± 0.07	pCi/g	G
FE0631DS2B	87-4001	Soil	Plant 1	Th-232	0.96 ± 0.13	pCi/g	G
FE0632DS2B	87-4001	Soil	Plant 1	Th-232	0.95 ± 0.12	pCi/g	G
FE0633DS2B	87-4001	Soil	Plant 1	Th-232	0.49 ± 0.12	pCi/g	G
FE0634DS2B	87-4001	Soil	Plant 1	Th-232	0.77 ± 0.15	pCi/g	G
FE0636DS2B	87-4001	Soil	Plant 6	Th-232	0.78 ± 0.14	pCi/g	G
FE0638DS2B	87-4001	Soil	Plant 6	Th-232	0.83 ± 0.13	pCi/g	G
FE0639DS2B	87-4001	Soil	Plant 6	Th-232	0.77 ± 0.15	pCi/g	G
FE0640DS2B	87-4001	Soil	Plant 4	Th-232	0.61 ±0.06	pCi/g	G
FE0116SS1B	87-0006-01	Soil	Pi.Pl. Tile Field	Total U	7.3	mg/kg	
FE0117SS1B	87-0006-02	Soil	Pi.Pl. Tile Field	Total U	9.1	mg/kg	
FE0118SS1B	87-0006-03	Soil	Pi.Pl. Tile Field	Total U	25.0	mg/kg	
FE0624DS1B	87-0059-11	Soil	S. of Pilot Plant	Total U	6.5	mg/kg	
FE0625DS1B	87-0059-12	Soil	S. of Pilot Plant	Total U	4.7	mg/kg	
FE0626DS1B	87-0059-13	Soil	S. of Pilot Plant	Total U	3.7	mg/kg	
FE0627DS1B	87-0059-14	Soil	Building 69	Total U	5.4	mg/kg	
FE0628DS1B	87-0059-15	Soil	Building 69	Total U	8.8	mg/kg	
FE0629DS1B	87-0059-16	Soil	Building 69	Total U	3.4	mg/kg	
FE0630DS1B	87-0059-17	Soil	Building 69	Total U	2.7	mg/kg	
FE0631DS1B	87-0060-01	Soil	Plant 1	Total U	8.7	mg/kg	
FE0632DS1B	87-0060-02	Soil	Plant 1	Total U	2.2	mg/kg	
FE0633DS1B	87-0060-03	Soil	Plant 1	Total U	1.9	mg/kg	
FE0634DS1B	87-0060-04	Soil	Plant 1	Total U	2.0	mg/kg	
FE0636DS2B	87-0060-05	Soil	Plant 6	Total U	16.0	mg/kg	
FE0638DS1B	87-0060-06	Soil	Plant 6	Total U	32.0	mg/kg	
FE0639DS1B	87-0060-07	Soil	Plant 6	Total U	50.0	mg/kg	
FE0640DS1B	87-0085-11	Soil	Plant 4	Total U	24.0	mg/kg	

Table E.5.1 Environmental Problem 5 Non-Production Area Soil Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Ag	< 0.1	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	As	< 0.5	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Ba	0.71	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Cd	< 0.02	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Cr	< 0.03	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Hg	< 0.001	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Pb	< 0.3	mg/L	
FE0614SE1B	87-0114-13	Sediment	Fire Train. Area	Se	< 0.5	mg/L	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,1,1-Trichloroethane	32	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,1-Dichloroethane	100	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,1-Dichloroethene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,2-Dichloroethane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	1,2-Dichloropropane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	2-Butanone	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	2-Hexanone	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Acetone	24	µg/kg	B
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Benzene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Bromodichloromethane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Bromoform	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Bromomethane	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Carbon Disulfide	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Carbon Tetrachloride	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Chlorobenzene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Chloroethane	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Chloroform	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Chloromethane	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Dibromochloromethane	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Ethylbenzene	71	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Methylene Chloride	<5	µg/kg	B

Table E.5.1 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Styrene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Tetrachloroethene	110	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Toluene	210	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Total Xylenes	870	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Trans-1,2-Dichloroethene	16	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Trichloroethene	<5	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Vinyl Acetate	<10	µg/kg	
FE0614SE3B	86-7003	Sediment	Fire Train. Area	Vinyl Chloride	<10	µg/kg	
FE0614SE2B	87-4001	Sediment	Fire Train. Area	Bi-214	0.32 ± 0.04	pCi/g	
FE0614SE2B	87-4001	Sediment	Fire Train. Area	Cs-137	A	pCi/g	
FE0614SE2B	87-4001	Sediment	Fire Train. Area	Ra-226	0.4 ± 0.04	pCi/g	G
FE0614SE2B	87-4001	Sediment	Fire Train. Area	Th-228	1.2 ± 0.1	pCi/g	G
FE0614SE2B	87-4001	Sediment	Fire Train. Area	Th-232	1.1 ± 0.1	pCi/g	G
FE0614SE1B	87-0135-05	Sediment	Fire Train. Area	Total U	208.0	mg/kg	
FE0614SE2B	87-4001	Sediment	Fire Train. Area	U-235	2.8 ± 0.1	pCi/g	
FE0614SE2B	87-4001	Sediment	Fire Train. Area	U-238	79 ± 5	pCi/g	

Table E.5.2 Environmental Problem 5 Non-Production Area Soil Contamination: Sludge Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Ag	< 0.1	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	As	< 0.5	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Ba	0.63	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Cd	< 0.02	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Cr	< 0.03	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Hg	< 0.001	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Pb	< 0.40	mg/L	
FE0613OT1B	87-0114-12	Sludge	Fire Train. Area	Se	< 0.5	mg/L	
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,1,1-Trichloroethane	800000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,1,2,2-Tetrachloroethane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,1,2-Trichloroethane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,1-Dichloroethane	75000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,1-Dichloroethene	14000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,2-Dichloroethane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	1,2-Dichloropropane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	2-Butanone	<5000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	2-Chloroethylvinyl Ether	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	2-Hexanone	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	4-Methyl-2-Pentanone	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Acetone	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Benzene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Bromodichloromethane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Bromoform	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Bromomethane	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Carbon Disulfide	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Carbon Tetrachloride	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Chlorobenzene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Chloroethane	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Chloroform	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Chloromethane	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Cis-1,3-Dichloropropene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Dibromochloromethane	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Ethylbenzene	500000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Methylene Chloride	<3000	µg/kg	Z8

Table E.5.2 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Sludge Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE06130T3B	86-7003	Sludge	Fire Train. Area	Styrene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Tetrachloroethene	290000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Toluene	800000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Total Xylenes	1700000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Trans-1,2-Dichloroethene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Trans-1,3-Dichloropropene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Trichloroethene	<3000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Vinyl Acetate	<6000	µg/kg	Z8
FE06130T3B	86-7003	Sludge	Fire Train. Area	Vinyl Chloride	<6000	µg/kg	Z8
FE0613OT2B	87-4001	Sludge	Fire Train. Area	Bi-214	B	pCi/g	
FE0613OT2B	87-4001	Sludge	Fire Train. Area	Cs-137	B	pCi/g	
FE0613OT2B	87-4001	Sludge	Fire Train. Area	Ra-226	B	pCi/g	G
FE0613OT2B	87-4001	Sludge	Fire Train. Area	Th-228	1.4 ± 0.1	pCi/g	G
FE0613OT2B	87-4001	Sludge	Fire Train. Area	Th-232	0.94 ± 0.10	pCi/g	G
FE0613OT1B	87-0135-04	Sludge	Fire Train. Area	Total U	4130.0	mg/kg	
FE0613OT2B	87-4001	Sludge	Fire Train. Area	U-235	52 ± 6	pCi/g	
FE0613OT2B	87-4001	Sludge	Fire Train. Area	U-238	1752 ± 22	pCi/g	

Table E.5.3 Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0620SS4B	861208007-25	Soil	Sanitary Landfill	Asbestos	ND	-	
FE0621SS4B	861208007-26	Soil	Sanitary Landfill	Asbestos	ND	-	
FE0622SS4B	861208007-27	Soil	Sanitary Landfill	Asbestos	ND	-	
FE0623SS4B	861208007-28	Soil	Sanitary Landfill	Asbestos	ND	-	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Ag	< 0.1	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Ag	< 0.1	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Ag	< 0.1	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Ag	< 0.1	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Ag	< 0.1	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Ag	< 0.1	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Ag	< 0.1	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Ag	< 0.1	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Ag	< 0.1	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Ag	< 0.1	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Ag	< 0.1	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Ag	< 0.1	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Ag	< 0.1	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Ag	< 0.1	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Ag	< 0.1	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Ag	< 0.1	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Ag	< 0.1	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Ag	< 0.1	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Ag	< 0.1	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Ag	< 0.1	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Ag	< 0.1	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Ag	< 0.1	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Ag	< 0.1	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Ag	< 0.1	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Ag	< 0.1	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Ag	< 0.1	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Ag	< 0.1	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Ag	< 0.1	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Ag	< 0.1	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Ag	< 0.1	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Ag	< 0.1	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Ag	< 0.1	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Ag	< 0.1	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Ag	< 0.1	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Ag	< 0.1	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Ag	< 0.1	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Ag	< 0.1	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Ag	< 0.1	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Ag	< 0.1	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Ag	< 0.1	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Ag	< 0.1	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Ag	< 0.1	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Ag	< 0.1	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Ag	< 0.1	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	As	< 0.5	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	As	< 0.5	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	As	< 0.5	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	As	< 0.5	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	As	< 0.5	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	As	< 0.5	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	As	< 0.5	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	As	< 0.5	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	As	< 0.5	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	As	< 0.5	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	As	< 0.5	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	As	< 0.5	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	As	< 0.5	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	As	< 0.5	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	As	< 0.5	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	As	< 0.5	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	As	< 0.5	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	As	< 0.5	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	As	< 0.5	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	As	< 0.5	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	As	< 0.5	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	As	< 0.5	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	As	< 0.5	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	As	< 0.5	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	As	< 0.5	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	As	< 0.5	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	As	< 0.5	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	As	< 0.5	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	As	< 0.5	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	As	< 0.5	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	As	< 0.5	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	As	< 0.5	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	As	< 0.5	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	As	< 0.5	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	As	< 0.5	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	As	< 0.5	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	As	< 0.5	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	As	< 0.5	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	As	< 0.5	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	As	< 0.5	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	As	< 0.5	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	As	< 0.5	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	As	< 0.5	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	As	< 0.5	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Ba	1.47	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Ba	0.64	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Ba	0.71	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Ba	0.43	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Ba	0.60	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Ba	0.47	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Ba	0.27	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Ba	0.53	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Ba	0.63	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Ba	0.60	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Ba	0.55	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Ba	0.66	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Ba	0.58	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Ba	0.36	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Ba	0.28	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Ba	0.27	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Ba	0.29	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Ba	0.29	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Ba	0.63	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Ba	0.91	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Ba	0.54	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Ba	0.58	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Ba	0.33	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Ba	0.23	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Ba	0.47	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Ba	0.47	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Ba	0.41	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Ba	0.66	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Ba	0.37	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Ba	0.64	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Ba	0.56	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Ba	0.28	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Ba	0.70	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Ba	0.66	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Ba	0.06	mg/L	B
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Ba	0.40	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Ba	0.51	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Ba	0.95	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Ba	0.40	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Ba	0.18	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Ba	0.91	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Ba	0.34	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Ba	0.54	mg/L	B
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Ba	0.86	mg/L	B

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Cd	< 0.02	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Cd	< 0.02	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Cd	< 0.02	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Cd	< 0.02	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Cd	< 0.02	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Cd	< 0.02	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Cd	< 0.02	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Cd	< 0.02	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Cd	< 0.02	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Cd	< 0.02	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Cd	< 0.02	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Cd	< 0.02	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Cd	< 0.02	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Cd	< 0.02	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Cd	< 0.02	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Cd	< 0.02	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Cd	< 0.02	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Cd	< 0.02	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Cd	< 0.02	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Cd	< 0.02	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Cd	< 0.02	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Cd	< 0.02	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Cd	< 0.02	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Cd	< 0.02	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Cd	< 0.02	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Cd	< 0.02	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Cd	< 0.02	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Cd	< 0.02	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Cd	< 0.02	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Cd	< 0.02	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Cd	< 0.02	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Cd	< 0.02	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Cd	< 0.02	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Cd	< 0.02	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Cd	< 0.02	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Cd	< 0.02	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Cd	< 0.02	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Cd	< 0.02	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Cd	< 0.02	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Cd	< 0.02	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Cd	< 0.02	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Cd	< 0.02	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Cd	< 0.02	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Cd	< 0.02	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Cr	< 0.03	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Cr	< 0.07	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Cr	< 0.03	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Cr	< 0.03	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Cr	< 0.03	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Cr	< 0.03	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Cr	< 0.03	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Cr	< 0.03	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Cr	0.03	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Cr	< 0.03	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Cr	< 0.03	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Cr	< 0.03	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Cr	0.05	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Cr	0.05	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Cr	0.04	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Cr	0.04	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Cr	0.04	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Cr	0.03	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Cr	< 0.03	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Cr	< 0.03	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Cr	< 0.03	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Cr	< 0.03	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Cr	< 0.03	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Cr	< 0.03	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Cr	< 0.03	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Cr	< 0.03	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Cr	< 0.03	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Cr	< 0.03	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Cr	< 0.03	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Cr	0.04	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Cr	0.04	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Cr	< 0.03	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Cr	< 0.03	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Cr	0.03	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Cr	< 0.03	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Cr	< 0.03	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Cr	< 0.03	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Cr	0.04	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Cr	< 0.03	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Cr	< 0.03	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Cr	0.04	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Cr	< 0.03	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Cr	< 0.03	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Cr	< 0.03	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Hg	< 0.001	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Hg	< 0.001	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Hg	< 0.001	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Hg	< 0.001	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Hg	< 0.001	mg/L	S
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Hg	< 0.001	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Hg	< 0.001	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Hg	< 0.001	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Hg	< 0.001	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Hg	< 0.001	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Hg	< 0.001	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Hg	< 0.001	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Hg	< 0.001	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Hg	< 0.001	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0617SS1B	87-0114-16	Soil	Lime Pit	Hg	< 0.001	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Hg	< 0.001	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Hg	< 0.001	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Hg	< 0.001	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Hg	< 0.001	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Hg	< 0.001	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Hg	< 0.001	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Hg	< 0.001	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Hg	< 0.001	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Hg	< 0.001	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Hg	< 0.001	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Hg	< 0.001	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Hg	< 0.001	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Hg	< 0.001	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Hg	< 0.001	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Hg	< 0.001	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Hg	< 0.001	mg/L	S
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Hg	< 0.001	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Hg	< 0.001	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Hg	< 0.001	mg/L	
FE1006IS3B	87-0093-18	Soil	Test Pit, 7	Hg	< 0.001	mg/L	
FE1007IS1B	87-0111-03	Soil	Test Pit, 9	Hg	< 0.001	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Hg	< 0.001	mg/L	
FE1008IS2B	87-0133-03	Soil	Test Pit, 10	Hg	< 0.001	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Hg	< 0.001	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Hg	< 0.001	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Hg	< 0.001	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Hg	< 0.001	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Hg	< 0.001	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Hg	< 0.001	mg/L	
FE1015IS3B	87-0111-04	Soil	Test Pit, 8	Hg	< 0.001	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Pb	< 0.3	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Pb	< 0.3	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Pb	< 0.3	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0126SS1B	87-0084-17	Soil	Cone House	Pb	< 0.3	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Pb	< 0.3	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Pb	< 0.3	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Pb	< 0.3	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Pb	< 0.3	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Pb	< 0.3	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Pb	< 0.3	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Pb	< 0.3	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Pb	< 0.3	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Pb	< 0.3	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Pb	< 0.3	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Pb	< 0.3	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Pb	< 0.3	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Pb	< 0.3	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Pb	< 0.3	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Pb	< 0.3	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Pb	< 0.3	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Pb	< 0.3	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Pb	< 0.3	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Pb	< 0.3	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Pb	< 0.3	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Pb	< 0.3	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Pb	< 0.3	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Pb	< 0.3	mg/L	
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Pb	< 0.3	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Pb	< 0.3	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Pb	< 0.3	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Pb	< 0.3	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Pb	< 0.3	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Pb	< 0.3	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Pb	< 0.3	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Pb	< 0.3	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Pb	< 0.3	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Pb	< 0.3	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Pb	< 0.3	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Pb	< 0.3	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Pb	< 0.3	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Pb	< 0.3	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Pb	< 0.3	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Pb	< 0.3	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Pb	< 0.3	mg/L	
FE0123SS1B	87-0127-07	Soil	Burn Pit Area	Se	< 0.5	mg/L	
FE0124SS1B	87-0127-08	Soil	Burn Pit Area	Se	< 0.5	mg/L	
FE0125SS1B	87-0127-09	Soil	Burn Pit Area	Se	< 0.5	mg/L	
FE0126SS1B	87-0084-17	Soil	Cone House	Se	< 0.5	mg/L	
FE0127SS1B	87-0084-18	Soil	Cone House	Se	< 0.5	mg/L	
FE0133IS1B	87-0093-06	Soil	Old Inciner. Area	Se	< 0.5	mg/L	
FE0134IS1B	87-0093-07	Soil	Old Inciner. Area	Se	< 0.5	mg/L	
FE0135IS1B	87-0093-08	Soil	Old Inciner. Area	Se	< 0.5	mg/L	
FE0136IS1B	87-0093-09	Soil	Old Inciner. Area	Se	< 0.5	mg/L	
FE0610DS1B	87-0114-09	Soil	Fire Train. Area	Se	< 0.5	mg/L	
FE0611DS1B	87-0114-10	Soil	Fire Train. Area	Se	< 0.5	mg/L	
FE0612DS1B	87-0114-11	Soil	Fire Train. Area	Se	< 0.5	mg/L	
FE0615SS1B	87-0114-14	Soil	Fire Train. Area	Se	< 0.5	mg/L	
FE0616SS1B	87-0114-15	Soil	Lime Pit	Se	< 0.5	mg/L	
FE0617SS1B	87-0114-16	Soil	Lime Pit	Se	< 0.5	mg/L	
FE0617SS2B	87-0114-17	Soil	Lime Pit	Se	< 0.5	mg/L	
FE0618SS1B	87-0114-18	Soil	Lime Pit	Se	< 0.5	mg/L	
FE0619SS1B	87-0114-19	Soil	Lime Pit	Se	< 0.5	mg/L	
FE0620SS1B	87-0114-20	Soil	Sanitary Landfill	Se	< 0.5	mg/L	
FE0621SS1B	87-0114-21	Soil	Sanitary Landfill	Se	< 0.5	mg/L	
FE0622SS1B	87-0114-22	Soil	Sanitary Landfill	Se	< 0.5	mg/L	
FE0623SS1B	87-0093-24	Soil	Sanitary Landfill	Se	< 0.5	mg/L	
FE1001IS1B	87-0084-20	Soil	Test Pit, 1	Se	< 0.5	mg/L	
FE1001IS3B	87-0084-21	Soil	Test Pit, 1	Se	< 0.5	mg/L	
FE1002IS1B	87-0084-22	Soil	Test Pit, 2	Se	< 0.5	mg/L	
FE1002IS2B	87-0084-23	Soil	Test Pit, 2	Se	< 0.5	mg/L	
FE1003IS1B	87-0084-24	Soil	Test Pit, 4	Se	< 0.5	mg/L	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1003IS2B	87-0084-25	Soil	Test Pit, 4	Se	< 0.5	mg/L	
FE1004IS1B	87-0093-12	Soil	Test Pit, 3	Se	< 0.5	mg/L	
FE1004IS2B	87-0093-13	Soil	Test Pit, 3	Se	< 0.5	mg/L	
FE1005IS1B	87-0093-14	Soil	Test Pit, 6	Se	< 0.5	mg/L	
FE1005IS2B	87-0093-15	Soil	Test Pit, 6	Se	< 0.5	mg/L	
FE1006IS1B	87-0093-16	Soil	Test Pit, 7	Se	< 0.5	mg/L	
FE1006IS2B	87-0093-17	Soil	Test Pit, 7	Se	< 0.5	mg/L	
FE1007IS2B	87-0111-03	Soil	Test Pit, 9	Se	< 0.5	mg/L	
FE1007IS3B	87-0093-18	Soil	Test Pit, 9	Se	< 0.5	mg/L	
FE1007IS4B	87-0093-19	Soil	Test Pit, 9	Se	< 0.5	mg/L	
FE1008IS2B	87-0133-02	Soil	Test Pit, 10	Se	< 0.5	mg/L	
FE1009IS1B	87-0093-20	Soil	Test Pit, 11	Se	< 0.5	mg/L	
FE1009IS3B	87-0093-21	Soil	Test Pit, 11	Se	< 0.5	mg/L	
FE1010IS1B	87-0093-22	Soil	Test Pit, 12	Se	< 0.5	mg/L	
FE1010IS3B	87-0093-23	Soil	Test Pit, 12	Se	< 0.5	mg/L	
FE1015IS1B	87-0126-08	Soil	Test Pit, 8	Se	< 0.5	mg/L	
FE1015IS2B	87-0126-09	Soil	Test Pit, 8	Se	< 0.5	mg/L	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,1,1-Trichloroethane	111	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,1,1-Trichloroethane	9	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,1,1-Trichloroethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,1,1-Trichloroethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,1,1-Trichloroethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,1,1-Trichloroethane	4	µg/kg	J
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,1,1-Trichloroethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,1,1-Trichloroethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,1,1-Trichloroethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,1,1-Trichloroethane	52	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,1,1-Trichloroethane	2700	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,1,1-Trichloroethane	7200	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,1,1-Trichloroethane	11	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,1,1-Trichloroethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,1,1-Trichloroethane	14	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,1,1-Trichloroethane	9	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,1,1-Trichloroethane	9	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,1,1-Trichloroethane	6	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,1,1-Trichloroethane	5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,1,1-Trichloroethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,1,1-Trichloroethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,1,1-Trichloroethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,1,1-Trichloroethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,1,1-Trichloroethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,1,2,2-Tetrachloroethane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,1,2-Trichloroethane	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0126SS3B	86-7004	Soil	Cone House	1,1,2-Trichloroethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,1,2-Trichloroethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,1,2-Trichloroethane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,1,2-Trichloroethane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,1,2-Trichloroethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,1,2-Trichloroethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,1,2-Trichloroethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,1,2-Trichloroethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,1,2-Trichloroethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,1,2-Trichloroethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,1,2-Trichloroethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,1,2-Trichloroethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,1,2-Trichloroethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,1,2-Trichloroethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,1,2-Trichloroethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethane	11	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethane	5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,1-Dichloroethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,1-Dichloroethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,1-Dichloroethane	55	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,1-Dichloroethane	160	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,1-Dichloroethane	1600	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,1-Dichloroethane	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0616SS3B	86-7004	Soil	Lime Pit	1,1-Dichloroethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,1-Dichloroethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,1-Dichloroethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,1-Dichloroethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,1-Dichloroethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,1-Dichloroethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,1-Dichloroethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,1-Dichloroethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,1-Dichloroethene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,1-Dichloroethene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,1-Dichloroethene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,1-Dichloroethene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,1-Dichloroethene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,1-Dichloroethene	310	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,1-Dichloroethene	1200	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,1-Dichloroethene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,1-Dichloroethene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,1-Dichloroethene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,1-Dichloroethene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,1-Dichloroethene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,1-Dichloroethene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,1-Dichloroethene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,1-Dichloroethene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,1-Dichloroethene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1010IS5B	61003241	Soil	Test Pit, 12	1,1-Dichloroethene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloroethane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloroethane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloroethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,2-Dichloroethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,2-Dichloroethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloroethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloroethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloroethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloroethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	1,2-Dichloroethane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,2-Dichloroethane	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,2-Dichloroethane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,2-Dichloroethane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,2-Dichloroethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,2-Dichloroethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,2-Dichloroethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,2-Dichloroethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloroethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloroethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloroethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,2-Dichloroethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,2-Dichloroethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,2-Dichloroethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,2-Dichloroethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloropropane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloropropane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	1,2-Dichloropropane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	1,2-Dichloropropane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	1,2-Dichloropropane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloropropane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloropropane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloropropane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	1,2-Dichloropropane	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0610DS3B	61001068	Soil	Fire Train. Area	1,2-Dichloropropane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	1,2-Dichloropropane	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	1,2-Dichloropropane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	1,2-Dichloropropane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	1,2-Dichloropropane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	1,2-Dichloropropane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	1,2-Dichloropropane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	1,2-Dichloropropane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloropropane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloropropane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	1,2-Dichloropropane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	1,2-Dichloropropane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	1,2-Dichloropropane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	1,2-Dichloropropane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	1,2-Dichloropropane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	2-Butanone	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	2-Butanone	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	2-Butanone	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	2-Butanone	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	2-Butanone	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	2-Butanone	3	µg/kg	BJ
FE0134IS3B	86-7006	Soil	Old Inciner. Area	2-Butanone	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	2-Butanone	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	2-Butanone	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	2-Butanone	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	2-Butanone	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	2-Butanone	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	2-Butanone	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	2-Butanone	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	2-Butanone	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	2-Butanone	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	2-Butanone	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	2-Butanone	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	2-Butanone	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0622SS3B	86-7004	Soil	Sanitary Landfill	2-Butanone	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	2-Butanone	2	µg/kg	BJ
FE1009IS5B	61003239	Soil	Test Pit, 11	2-Butanone	5	µg/kg	BJ
FE1010IS2B	61003240	Soil	Test Pit, 12	2-Butanone	4	µg/kg	BJ
FE1010IS5B	61003241	Soil	Test Pit, 12	2-Butanone	7	µg/kg	BJ
FE0123SS3B	86-7001	Soil	Burn Pit Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	2-Chloroethylvinyl Ether	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	2-Chloroethylvinyl Ether	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	2-Chloroethylvinyl Ether	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	2-Chloroethylvinyl Ether	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	2-Chloroethylvinyl Ether	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	2-Hexanone	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	2-Hexanone	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	2-Hexanone	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	2-Hexanone	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	2-Hexanone	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0133IS3B	86-7006	Soil	Old Inciner. Area	2-Hexanone	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	2-Hexanone	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	2-Hexanone	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	2-Hexanone	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	2-Hexanone	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	2-Hexanone	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	2-Hexanone	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	2-Hexanone	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	2-Hexanone	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	2-Hexanone	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	2-Hexanone	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	2-Hexanone	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	2-Hexanone	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	2-Hexanone	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	2-Hexanone	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	2-Hexanone	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	2-Hexanone	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	2-Hexanone	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	2-Hexanone	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	4-Methyl-2-Pentanone	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	4-Methyl-2-Pentanone	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	4-Methyl-2-Pentanone	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	4-Methyl-2-Pentanone	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	4-Methyl-2-Pentanone	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	4-Methyl-2-Pentanone	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0618SS3B	61002063	Soil	Lime Pit	4-Methyl-2-Pentanone	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	4-Methyl-2-Pentanone	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	4-Methyl-2-Pentanone	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	4-Methyl-2-Pentanone	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	4-Methyl-2-Pentanone	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	4-Methyl-2-Pentanone	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	4-Methyl-2-Pentanone	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	4-Methyl-2-Pentanone	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	4-Methyl-2-Pentanone	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Acetone	64	µg/kg	B
FE0124SS3B	86-7001	Soil	Burn Pit Area	Acetone	22	µg/kg	B
FE0125SS3B	86-7001	Soil	Burn Pit Area	Acetone	15	µg/kg	B
FE0126SS3B	86-7004	Soil	Cone House	Acetone	29	µg/kg	B
FE0127SS3B	61002078	Soil	Cone House	Acetone	16	µg/kg	B
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Acetone	16	µg/kg	B
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Acetone	12	µg/kg	B
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Acetone	11	µg/kg	B
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Acetone	14	µg/kg	B
FE0610DS3B	61001068	Soil	Fire Train. Area	Acetone	24	µg/kg	B
FE0611DS3B	61001069	Soil	Fire Train. Area	Acetone	55	µg/kg	B
FE0612DS3B	86-7003	Soil	Fire Train. Area	Acetone	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Acetone	11	µg/kg	B
FE0616SS3B	86-7004	Soil	Lime Pit	Acetone	18	µg/kg	B
FE0617SS3B	86-7004	Soil	Lime Pit	Acetone	19	µg/kg	B
FE0618SS3B	61002063	Soil	Lime Pit	Acetone	21	µg/kg	B
FE0619SS3B	61002064	Soil	Lime Pit	Acetone	25	µg/kg	B
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Acetone	21	µg/kg	B
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Acetone	12	µg/kg	B
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Acetone	27	µg/kg	B
FE1008IS2B	61003238	Soil	Test Pit, 10	Acetone	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Acetone	26	µg/kg	B
FE1010IS2B	61003240	Soil	Test Pit, 12	Acetone	18	µg/kg	B
FE1010IS5B	61003241	Soil	Test Pit, 12	Acetone	30	µg/kg	B
FE0123SS3B	86-7001	Soil	Burn Pit Area	Benzene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0124SS3B	86-7001	Soil	Burn Pit Area	Benzene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Benzene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Benzene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Benzene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Benzene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Benzene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Benzene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Benzene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Benzene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Benzene	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Benzene	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Benzene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Benzene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Benzene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Benzene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Benzene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Benzene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Benzene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Benzene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Benzene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Benzene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Benzene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Benzene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Bromodichloromethane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Bromodichloromethane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Bromodichloromethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Bromodichloromethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Bromodichloromethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Bromodichloromethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Bromodichloromethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Bromodichloromethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Bromodichloromethane	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Bromodichloromethane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Bromodichloromethane	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0612DS3B	86-7003	Soil	Fire Train. Area	Bromodichloromethane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Bromodichloromethane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Bromodichloromethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Bromodichloromethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Bromodichloromethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Bromodichloromethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Bromodichloromethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Bromodichloromethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Bromodichloromethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Bromodichloromethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Bromodichloromethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Bromodichloromethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Bromodichloromethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Bromoform	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Bromoform	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Bromoform	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Bromoform	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Bromoform	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Bromoform	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Bromoform	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Bromoform	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Bromoform	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Bromoform	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Bromoform	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Bromoform	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Bromoform	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Bromoform	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Bromoform	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Bromoform	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Bromoform	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Bromoform	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Bromoform	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Bromoform	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Bromoform	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1009IS5B	61003239	Soil	Test Pit, 11	Bromoform	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Bromoform	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Bromoform	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Bromomethane	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Bromomethane	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Bromomethane	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Bromomethane	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Bromomethane	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Bromomethane	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Bromomethane	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Bromomethane	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Bromomethane	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Bromomethane	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Bromomethane	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Bromomethane	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Bromomethane	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Bromomethane	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Bromomethane	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Bromomethane	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Bromomethane	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Bromomethane	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Bromomethane	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Bromomethane	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Bromomethane	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Bromomethane	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Bromomethane	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Bromomethane	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Carbon Disulfide	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Carbon Disulfide	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Carbon Disulfide	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Carbon Disulfide	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Carbon Disulfide	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Carbon Disulfide	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Carbon Disulfide	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Carbon Disulfide	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Carbon Disulfide	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Carbon Disulfide	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Carbon Disulfide	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Carbon Disulfide	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Carbon Disulfide	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Carbon Disulfide	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Carbon Disulfide	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Carbon Disulfide	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Carbon Disulfide	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Carbon Disulfide	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Carbon Disulfide	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Carbon Disulfide	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Carbon Disulfide	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Carbon Disulfide	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Carbon Disulfide	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Carbon Disulfide	3	µg/kg	J
FE0123SS3B	86-7001	Soil	Burn Pit Area	Carbon Tetrachloride	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Carbon Tetrachloride	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Carbon Tetrachloride	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Carbon Tetrachloride	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Carbon Tetrachloride	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Carbon Tetrachloride	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Carbon Tetrachloride	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Carbon Tetrachloride	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Carbon Tetrachloride	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Carbon Tetrachloride	7	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Carbon Tetrachloride	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Carbon Tetrachloride	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Carbon Tetrachloride	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Carbon Tetrachloride	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Carbon Tetrachloride	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Carbon Tetrachloride	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Carbon Tetrachloride	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Carbon Tetrachloride	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Carbon Tetrachloride	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Carbon Tetrachloride	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Carbon Tetrachloride	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Carbon Tetrachloride	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Carbon Tetrachloride	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Carbon Tetrachloride	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Chlorobenzene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Chlorobenzene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Chlorobenzene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Chlorobenzene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Chlorobenzene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Chlorobenzene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Chlorobenzene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Chlorobenzene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Chlorobenzene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Chlorobenzene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Chlorobenzene	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Chlorobenzene	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Chlorobenzene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Chlorobenzene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Chlorobenzene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Chlorobenzene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Chlorobenzene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Chlorobenzene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Chlorobenzene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Chlorobenzene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Chlorobenzene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Chlorobenzene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Chlorobenzene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Chlorobenzene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Chloroethane	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Chloroethane	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Chloroethane	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0126SS3B	86-7004	Soil	Cone House	Chloroethane	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Chloroethane	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Chloroethane	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Chloroethane	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Chloroethane	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Chloroethane	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Chloroethane	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Chloroethane	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Chloroethane	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Chloroethane	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Chloroethane	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Chloroethane	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Chloroethane	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Chloroethane	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Chloroethane	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Chloroethane	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Chloroethane	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Chloroethane	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Chloroethane	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Chloroethane	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Chloroethane	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Chloroform	15	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Chloroform	6	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Chloroform	5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Chloroform	7	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Chloroform	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Chloroform	9	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Chloroform	6	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Chloroform	6	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Chloroform	4	µg/kg	J
FE0610DS3B	61001068	Soil	Fire Train. Area	Chloroform	4	µg/kg	J
FE0611DS3B	61001069	Soil	Fire Train. Area	Chloroform	5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Chloroform	24	µg/kg	J
FE0615SS3B	86-7003	Soil	Fire Train. Area	Chloroform	7	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0616SS3B	86-7004	Soil	Lime Pit	Chloroform	7	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Chloroform	11	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Chloroform	7	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Chloroform	8	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Chloroform	9	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Chloroform	13	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Chloroform	12	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Chloroform	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Chloroform	6	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Chloroform	5	µg/kg	B
FE1010IS5B	61003241	Soil	Test Pit, 12	Chloroform	8	µg/kg	B
FE0123SS3B	86-7001	Soil	Burn Pit Area	Chloromethane	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Chloromethane	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Chloromethane	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Chloromethane	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Chloromethane	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Chloromethane	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Chloromethane	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Chloromethane	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Chloromethane	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Chloromethane	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Chloromethane	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Chloromethane	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Chloromethane	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Chloromethane	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Chloromethane	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Chloromethane	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Chloromethane	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Chloromethane	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Chloromethane	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Chloromethane	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Chloromethane	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Chloromethane	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Chloromethane	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1010IS5B	61003241	Soil	Test Pit, 12	Chloromethane	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Cis-1,3-Dichloropropene	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Cis-1,3-Dichloropropene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Cis-1,3-Dichloropropene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Cis-1,3-Dichloropropene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Cis-1,3-Dichloropropene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Dibromochloromethane	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Dibromochloromethane	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Dibromochloromethane	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Dibromochloromethane	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Dibromochloromethane	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Dibromochloromethane	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Dibromochloromethane	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Dibromochloromethane	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Dibromochloromethane	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0610DS3B	61001068	Soil	Fire Train. Area	Dibromochloromethane	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Dibromochloromethane	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Dibromochloromethane	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Dibromochloromethane	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Dibromochloromethane	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Dibromochloromethane	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Dibromochloromethane	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Dibromochloromethane	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Dibromochloromethane	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Dibromochloromethane	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Dibromochloromethane	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Dibromochloromethane	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Dibromochloromethane	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Dibromochloromethane	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Dibromochloromethane	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Ethylbenzene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Ethylbenzene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Ethylbenzene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Ethylbenzene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Ethylbenzene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Ethylbenzene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Ethylbenzene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Ethylbenzene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Ethylbenzene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Ethylbenzene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Ethylbenzene	590	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Ethylbenzene	400	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Ethylbenzene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Ethylbenzene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Ethylbenzene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Ethylbenzene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Ethylbenzene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Ethylbenzene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Ethylbenzene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Ethylbenzene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Ethylbenzene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Ethylbenzene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Ethylbenzene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Ethylbenzene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Methylene Chloride	20	µg/kg	B
FE0124SS3B	86-7001	Soil	Burn Pit Area	Methylene Chloride	18	µg/kg	B
FE0125SS3B	86-7001	Soil	Burn Pit Area	Methylene Chloride	12	µg/kg	B
FE0126SS3B	86-7004	Soil	Cone House	Methylene Chloride	6	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Methylene Chloride	4	µg/kg	B
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Methylene Chloride	12	µg/kg	B
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Methylene Chloride	10	µg/kg	B
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Methylene Chloride	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Methylene Chloride	6	µg/kg	B
FE0610DS3B	61001068	Soil	Fire Train. Area	Methylene Chloride	80	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Methylene Chloride	31	µg/kg	B
FE0612DS3B	86-7003	Soil	Fire Train. Area	Methylene Chloride	40	µg/kg	B
FE0615SS3B	86-7003	Soil	Fire Train. Area	Methylene Chloride	12	µg/kg	B
FE0616SS3B	86-7004	Soil	Lime Pit	Methylene Chloride	8	µg/kg	B
FE0617SS3B	86-7004	Soil	Lime Pit	Methylene Chloride	12	µg/kg	B
FE0618SS3B	61002063	Soil	Lime Pit	Methylene Chloride	14	µg/kg	B
FE0619SS3B	61002064	Soil	Lime Pit	Methylene Chloride	22	µg/kg	B
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Methylene Chloride	16	µg/kg	B
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Methylene Chloride	10	µg/kg	B
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Methylene Chloride	8	µg/kg	B
FE1008IS2B	61003238	Soil	Test Pit, 10	Methylene Chloride	7	µg/kg	B
FE1009IS5B	61003239	Soil	Test Pit, 11	Methylene Chloride	16	µg/kg	B
FE1010IS2B	61003240	Soil	Test Pit, 12	Methylene Chloride	10	µg/kg	B
FE1010IS5B	61003241	Soil	Test Pit, 12	Methylene Chloride	19	µg/kg	B
FE0123SS3B	86-7001	Soil	Burn Pit Area	Styrene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Styrene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Styrene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Styrene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Styrene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Styrene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Styrene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Styrene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Styrene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Styrene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Styrene	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Styrene	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Styrene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Styrene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Styrene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Styrene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Styrene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Styrene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Styrene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Styrene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Styrene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Styrene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Styrene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Styrene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Tetrachloroethene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Tetrachloroethene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Tetrachloroethene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Tetrachloroethene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Tetrachloroethene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Tetrachloroethene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Tetrachloroethene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Tetrachloroethene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Tetrachloroethene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Tetrachloroethene	17	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Tetrachloroethene	4800	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Tetrachloroethene	1300	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Tetrachloroethene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Tetrachloroethene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Tetrachloroethene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0618SS3B	61002063	Soil	Lime Pit	Tetrachloroethene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Tetrachloroethene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Tetrachloroethene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Tetrachloroethene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Tetrachloroethene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Tetrachloroethene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Tetrachloroethene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Tetrachloroethene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Tetrachloroethene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Toluene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Toluene	4	µg/kg	B
FE0125SS3B	86-7001	Soil	Burn Pit Area	Toluene	2	µg/kg	B
FE0126SS3B	86-7004	Soil	Cone House	Toluene	3	µg/kg	BJ
FE0127SS3B	61002078	Soil	Cone House	Toluene	2	µg/kg	BJ
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Toluene	2	µg/kg	BJ
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Toluene	2	µg/kg	BJ
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Toluene	2	µg/kg	BJ
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Toluene	2	µg/kg	BJ
FE0610DS3B	61001068	Soil	Fire Train. Area	Toluene	8	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Toluene	1700	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Toluene	990	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Toluene	3	µg/kg	BJ
FE0616SS3B	86-7004	Soil	Lime Pit	Toluene	3	µg/kg	BJ
FE0617SS3B	86-7004	Soil	Lime Pit	Toluene	3	µg/kg	BJ
FE0618SS3B	61002063	Soil	Lime Pit	Toluene	3	µg/kg	BJ
FE0619SS3B	61002064	Soil	Lime Pit	Toluene	3	µg/kg	BJ
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Toluene	3	µg/kg	BJ
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Toluene	4	µg/kg	BJ
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Toluene	4	µg/kg	BJ
FE1008IS2B	61003238	Soil	Test Pit, 10	Toluene	2	µg/kg	BJ
FE1009IS5B	61003239	Soil	Test Pit, 11	Toluene	2	µg/kg	BJ
FE1010IS2B	61003240	Soil	Test Pit, 12	Toluene	2	µg/kg	BJ
FE1010IS5B	61003241	Soil	Test Pit, 12	Toluene	3	µg/kg	BJ
FE0123SS3B	86-7001	Soil	Burn Pit Area	Total Xylenes	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0124SS3B	86-7001	Soil	Burn Pit Area	Total Xylenes	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Total Xylenes	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Total Xylenes	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Total Xylenes	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Total Xylenes	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Total Xylenes	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Total Xylenes	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Total Xylenes	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Total Xylenes	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Total Xylenes	2500	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Total Xylenes	1800	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Total Xylenes	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Total Xylenes	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Total Xylenes	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Total Xylenes	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Total Xylenes	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Total Xylenes	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Total Xylenes	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Total Xylenes	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Total Xylenes	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Total Xylenes	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Total Xylenes	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Total Xylenes	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Trans1,2-Dichloroethene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Trans1,2-Dichloroethene	8	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Trans-1,2-Dichloroethene	3	µg/kg	J

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0612DS3B	86-7003	Soil	Fire Train. Area	Trans-1,2-Dichloroethene	180	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Trans1,2-Dichloroethene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Trans1,2-Dichloroethene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,2-Dichloroethene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Trans-1,2-Dichloroethene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Trans-1,2-Dichloroethene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Trans-1,2-Dichloroethene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Trans1,3-Dichloropropene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Trans1,3-Dichloropropene	<5	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Trans-1,3-Dichloropropene	<25	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Trans1,3-Dichloropropene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Trans1,3-Dichloropropene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Trans-1,3-Dichloropropene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Trans-1,3-Dichloropropene	<5	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1009IS5B	61003239	Soil	Test Pit, 11	Trans-1,3-Dichloropropene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Trans-1,3-Dichloropropene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Trichloroethene	<5	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Trichloroethene	<5	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Trichloroethene	<5	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Trichloroethene	<5	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Trichloroethene	<5	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Trichloroethene	<5	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Trichloroethene	<5	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Trichloroethene	<5	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Trichloroethene	<5	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Trichloroethene	<5	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Trichloroethene	11	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Trichloroethene	43	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Trichloroethene	<5	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Trichloroethene	<5	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Trichloroethene	<5	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Trichloroethene	<5	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Trichloroethene	<5	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Trichloroethene	<5	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Trichloroethene	<5	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Trichloroethene	<5	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Trichloroethene	<5	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Trichloroethene	<5	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Trichloroethene	<5	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Trichloroethene	<5	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Vinyl Acetate	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Vinyl Acetate	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Vinyl Acetate	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Vinyl Acetate	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Vinyl Acetate	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Acetate	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Acetate	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Acetate	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Acetate	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Vinyl Acetate	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Vinyl Acetate	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Vinyl Acetate	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Vinyl Acetate	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Vinyl Acetate	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Vinyl Acetate	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Vinyl Acetate	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Vinyl Acetate	<10	µg/kg	
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Acetate	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Acetate	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Acetate	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Vinyl Acetate	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Vinyl Acetate	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Vinyl Acetate	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Vinyl Acetate	<10	µg/kg	
FE0123SS3B	86-7001	Soil	Burn Pit Area	Vinyl Chloride	<10	µg/kg	
FE0124SS3B	86-7001	Soil	Burn Pit Area	Vinyl Chloride	<10	µg/kg	
FE0125SS3B	86-7001	Soil	Burn Pit Area	Vinyl Chloride	<10	µg/kg	
FE0126SS3B	86-7004	Soil	Cone House	Vinyl Chloride	<10	µg/kg	
FE0127SS3B	61002078	Soil	Cone House	Vinyl Chloride	<10	µg/kg	
FE0133IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Chloride	<10	µg/kg	
FE0134IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Chloride	<10	µg/kg	
FE0135IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Chloride	<10	µg/kg	
FE0136IS3B	86-7006	Soil	Old Inciner. Area	Vinyl Chloride	<10	µg/kg	
FE0610DS3B	61001068	Soil	Fire Train. Area	Vinyl Chloride	<10	µg/kg	
FE0611DS3B	61001069	Soil	Fire Train. Area	Vinyl Chloride	<10	µg/kg	
FE0612DS3B	86-7003	Soil	Fire Train. Area	Vinyl Chloride	<50	µg/kg	
FE0615SS3B	86-7003	Soil	Fire Train. Area	Vinyl Chloride	<10	µg/kg	
FE0616SS3B	86-7004	Soil	Lime Pit	Vinyl Chloride	<10	µg/kg	
FE0617SS3B	86-7004	Soil	Lime Pit	Vinyl Chloride	<10	µg/kg	
FE0618SS3B	61002063	Soil	Lime Pit	Vinyl Chloride	<10	µg/kg	
FE0619SS3B	61002064	Soil	Lime Pit	Vinyl Chloride	<10	µg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0620SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Chloride	<10	µg/kg	
FE0621SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Chloride	<10	µg/kg	
FE0622SS3B	86-7004	Soil	Sanitary Landfill	Vinyl Chloride	<10	µg/kg	
FE1008IS2B	61003238	Soil	Test Pit, 10	Vinyl Chloride	<10	µg/kg	
FE1009IS5B	61003239	Soil	Test Pit, 11	Vinyl Chloride	<10	µg/kg	
FE1010IS2B	61003240	Soil	Test Pit, 12	Vinyl Chloride	<10	µg/kg	
FE1010IS5B	61003241	Soil	Test Pit, 12	Vinyl Chloride	<10	µg/kg	
FE0620SS3B		Soil	Sanitary Landfill	Aroclor-1242	< 0.3	mg/kg	
FE0621SS3B		Soil	Sanitary Landfill	Aroclor-1242	< 0.3	mg/kg	
FE0622SS3B		Soil	Sanitary Landfill	Aroclor-1242	< 0.3	mg/kg	
FE0623SS3B		Soil	Sanitary Landfill	Aroclor-1242	< 0.3	mg/kg	
FE0620SS3B		Soil	Sanitary Landfill	Aroclor-1248	< 0.4	mg/kg	
FE0621SS3B		Soil	Sanitary Landfill	Aroclor-1248	< 0.4	mg/kg	
FE0622SS3B		Soil	Sanitary Landfill	Aroclor-1248	< 0.4	mg/kg	
FE0623SS3B		Soil	Sanitary Landfill	Aroclor-1248	< 0.4	mg/kg	
FE0620SS3B		Soil	Sanitary Landfill	Aroclor-1254	< 0.2	mg/kg	
FE0621SS3B		Soil	Sanitary Landfill	Aroclor-1254	< 0.2	mg/kg	
FE0622SS3B		Soil	Sanitary Landfill	Aroclor-1254	< 0.2	mg/kg	
FE0623SS3B		Soil	Sanitary Landfill	Aroclor-1254	< 0.2	mg/kg	
FE0620SS3B		Soil	Sanitary Landfill	Aroclor-1260	< 0.3	mg/kg	
FE0621SS3B		Soil	Sanitary Landfill	Aroclor-1260	< 0.3	mg/kg	
FE0622SS3B		Soil	Sanitary Landfill	Aroclor-1260	< 0.3	mg/kg	
FE0623SS3B		Soil	Sanitary Landfill	Aroclor-1260	< 0.3	mg/kg	
FE0123SS2B	87-4001	Soil	Burn Pit Area	Bi-214	1.9 ±0.1	pCi/g	
FE0124SS2B	87-4001	Soil	Burn Pit Area	Bi-214	2.9 ± 0.2	pCi/g	
FE0125SS2B	87-4001	Soil	Burn Pit Area	Bi-214	0.81 ± 0.10	pCi/g	
FE0126SS2B	87-4001	Soil	Cone House	Bi-214	0.94 ± 0.07	pCi/g	
FE0127SS2B	87-4001	Soil	Cone House	Bi-214	0.22 ± 0.04	pCi/g	
FE0133IS2B	87-4001	Soil	Old Inciner. Area	Bi-214	1.2 ± 0.1	pCi/g	
FE0135IS2B	87-4001	Soil	Old Inciner. Area	Bi-214	2.8 ± 0.1	pCi/g	
FE0136IS2B	87-4001	Soil	Old Inciner. Area	Bi-214	1.2 ± 0.1	pCi/g	
FE0610DS2B	87-4001	Soil	Fire Train. Area	Bi-214	0.36 ± 0.04	pCi/g	
FE0611DS2B	87-4001	Soil	Fire Train. Area	Bi-214	0.88 ± 0.09	pCi/g	
FE0612DS2B	87-4001	Soil	Fire Train. Area	Bi-214	0.32 ± 0.05	pCi/g	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0615SS2B	87-4001	Soil	Fire Train. Area	Bi-214	0.32 ± 0.03	pCi/g	
FE0616SS2B	87-4001	Soil	Lime Pit	Bi-214	B	pCi/g	
FE0617SS2B	87-4001	Soil	Lime Pit	Bi-214	0.4 ± 0.09	pCi/g	
FE0618SS2B	87-4001	Soil	Lime Pit	Bi-214	B	pCi/g	
FE0619SS2B	87-4001	Soil	Lime Pit	Bi-214	0.27 ± 0.04	pCi/g	
FE0620SS2B	87-4001	Soil	Sanitary Landfill	Bi-214	0.88 ± 0.04	pCi/g	
FE0621SS2B	87-4001	Soil	Sanitary Landfill	Bi-214	2.2 ± 0.1	pCi/g	
FE0622SS2B	87-4001	Soil	Sanitary Landfill	Bi-214	0.83 ± 0.09	pCi/g	
FE0623SS2B	87-4001	Soil	Sanitary Landfill	Bi-214	0.69 ± 0.03	pCi/g	
FE1001IS2B	87-4001	Soil	Test Pit, 1	Bi-214	0.86 ± 0.12	pCi/g	
FE1001IS3B	87-4001	Soil	Test Pit, 1	Bi-214	0.99 ± 0.03	pCi/g	
FE1002IS1B	87-4001	Soil	Test Pit, 2	Bi-214	0.78± 0.04	pCi/g	
FE1002IS2B	87-4001	Soil	Test Pit, 2	Bi-214	0.93 ± 0.09	pCi/g	
FE1003IS1B	87-4001	Soil	Test Pit, 4	Bi-214	1.1 ± 0.1	pCi/g	
FE1003IS2B	87-4001	Soil	Test Pit, 4	Bi-214	0.99 ± 0.04	pCi/g	
FE1004IS1B	87-4001	Soil	Test Pit, 3	Bi-214	1.0 ± 0.1	pCi/g	
FE1004IS2B	87-4001	Soil	Test Pit, 3	Bi-214	1.0 ± 0.1	pCi/g	
FE1005IS1B	87-4001	Soil	Test Pit, 6	Bi-214	0.79 ± 0.07	pCi/g	
FE1005IS2B	87-4001	Soil	Test Pit, 6	Bi-214	1.2 ± 0.1	pCi/g	
FE1006IS1B	87-4001	Soil	Test Pit, 7	Bi-214	0.93 ± 0.04	pCi/g	
FE1006IS2B	87-4001	Soil	Test Pit, 7	Bi-214	0.77 ± 0.07	pCi/g	
FE1007IS3B	87-4001	Soil	Test Pit, 9	Bi-214	1.1 ± 0.1	pCi/g	
FE1007IS4B	87-4001	Soil	Test Pit, 9	Bi-214	1.1 ± 0.1	pCi/g	
FE1008IS1B	87-4001	Soil	Test Pit, 10	Bi-214	1.3 ± 0.1	pCi/g	
FE1009IS2B	87-4001	Soil	Test Pit, 11	Bi-214	1.2 ± 0.1	pCi/g	
FE1010IS4B	87-4001	Soil	Test Pit, 12	Bi-214	1.1 ± 0.1	pCi/g	
FE1015IS1B	87-4001	Soil	Test Pit, 8	Bi-214	0.78 ± 0.05	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	Bi-214	0.93 ± 0.06	pCi/g	
FE0123SS2B	87-4001	Soil	Burn Pit Area	Cs-137	1.5 ± 0.1	pCi/g	
FE0124SS2B	87-4001	Soil	Burn Pit Area	Cs-137	B	pCi/g	
FE0125SS2B	87-4001	Soil	Burn Pit Area	Cs-137	B	pCi/g	
FE0126SS2B	87-4001	Soil	Cone House	Cs-137	B	pCi/g	
FE0127SS2B	87-4001	Soil	Cone House	Cs-137	B	pCi/g	
FE0133IS2B	87-4001	Soil	Old Inciner. Area	Cs-137	0.3 ± 0.05	pCi/g	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0135IS2B	87-4001	Soil	Old Inciner. Area	Cs-137	0.14 ± 0.04	pCi/g	
FE0136IS2B	87-4001	Soil	Old Inciner. Area	Cs-137	B	pCi/g	
FE0610DS2B	87-4001	Soil	Fire Train. Area	Cs-137	B	pCi/g	
FE0611DS2B	87-4001	Soil	Fire Train. Area	Cs-137	B	pCi/g	
FE0612DS2B	87-4001	Soil	Fire Train. Area	Cs-137	B	pCi/g	
FE0615SS2B	87-4001	Soil	Fire Train. Area	Cs-137	B	pCi/g	
FE0616SS2B	87-4001	Soil	Lime Pit	Cs-137	B	pCi/g	
FE0617SS2B	87-4001	Soil	Lime Pit	Cs-137	0.27 ± 0.04	pCi/g	
FE0618SS2B	87-4001	Soil	Lime Pit	Cs-137	B	pCi/g	
FE0619SS2B	87-4001	Soil	Lime Pit	Cs-137	0.21 ± 0.02	pCi/g	
FE0620SS2B	87-4001	Soil	Sanitary Landfill	Cs-137	B	pCi/g	
FE0621SS2B	87-4001	Soil	Sanitary Landfill	Cs-137	B	pCi/g	
FE0622SS2B	87-4001	Soil	Sanitary Landfill	Cs-137	B	pCi/g	
FE0623SS2B	87-4001	Soil	Sanitary Landfill	Cs-137	B	pCi/g	
FE1001IS2B	87-4001	Soil	Test Pit, 1	Cs-137	B	pCi/g	
FE1001IS3B	87-4001	Soil	Test Pit, 1	Cs-137	B	pCi/g	
FE1002IS1B	87-4001	Soil	Test Pit, 2	Cs-137	A	pCi/g	
FE1002IS2B	87-4001	Soil	Test Pit, 2	Cs-137	B	pCi/g	
FE1003IS1B	87-4001	Soil	Test Pit, 4	Cs-137	B	pCi/g	
FE1003IS2B	87-4001	Soil	Test Pit, 4	Cs-137	A	pCi/g	
FE1004IS1B	87-4001	Soil	Test Pit, 3	Cs-137	B	pCi/g	
FE1004IS2B	87-4001	Soil	Test Pit, 3	Cs-137	B	pCi/g	
FE1005IS1B	87-4001	Soil	Test Pit, 6	Cs-137	B	pCi/g	
FE1005IS2B	87-4001	Soil	Test Pit, 6	Cs-137	B	pCi/g	
FE1006IS1B	87-4001	Soil	Test Pit, 7	Cs-137	A	pCi/g	
FE1006IS2B	87-4001	Soil	Test Pit, 7	Cs-137	B	pCi/g	
FE1007IS3B	87-4001	Soil	Test Pit, 9	Cs-137	B	pCi/g	
FE1007IS4B	87-4001	Soil	Test Pit, 9	Cs-137	A	pCi/g	
FE1008IS1B	87-4001	Soil	Test Pit, 10	Cs-137	A	pCi/g	
FE1009IS2B	87-4001	Soil	Test Pit, 11	Cs-137	B	pCi/g	
FE1010IS4B	87-4001	Soil	Test Pit, 12	Cs-137	B	pCi/g	
FE1015IS1B	87-4001	Soil	Test Pit, 8	Cs-137	0.14 ±0.02	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	Cs-137	B	pCi/g	
FE0123SS2B	87-4001	Soil	Burn Pit Area	Ra-226	2.0 ± 0.1	pCi/g	G

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0124SS2B	87-4001	Soil	Burn Pit Area	Ra-226	2.3 ± 0.2	pCi/g	G
FE0125SS2B	87-4001	Soil	Burn Pit Area	Ra-226	0.88 ± 0.08	pCi/g	G
FE0126SS2B	87-4001	Soil	Cone House	Ra-226	0.8 ± 0.05	pCi/g	G
FE0127SS2B	87-4001	Soil	Cone House	Ra-226	0.83 ± 0.07	pCi/g	G
FE0133IS2B	87-4001	Soil	Old Inciner. Area	Ra-226	1.3 ± 0.1	pCi/g	G
FE0135IS2B	87-4001	Soil	Old Inciner. Area	Ra-226	3.0 ± 0.1	pCi/g	G
FE0136IS2B	87-4001	Soil	Old Inciner. Area	Ra-226	1.4 ± 0.1	pCi/g	G
FE0610DS2B	87-4001	Soil	Fire Train. Area	Ra-226	0.38 ± 0.02	pCi/g	G
FE0611DS2B	87-4001	Soil	Fire Train. Area	Ra-226	0.82 ±0.07	pCi/g	G
FE0612DS2B	87-4001	Soil	Fire Train. Area	Ra-226	0.41 ± 0.03	pCi/g	G
FE0615SS2B	87-4001	Soil	Fire Train. Area	Ra-226	0.31 ± 0.02	pCi/g	G
FE0616SS2B	87-4001	Soil	Lime Pit	Ra-226	B	pCi/g	G
FE0617SS2B	87-4001	Soil	Lime Pit	Ra-226	0.38 ± 0.07	pCi/g	G
FE0618SS2B	87-4001	Soil	Lime Pit	Ra-226	B	pCi/g	G
FE0619SS2B	87-4001	Soil	Lime Pit	Ra-226	0.27 ± 0.03	pCi/g	G
FE0620SS2B	87-4001	Soil	Sanitary Landfill	Ra-226	0.87 ± 0.04	pCi/g	G
FE0621SS2B	87-4001	Soil	Sanitary Landfill	Ra-226	2.1 ± 0.1	pCi/g	G
FE0622SS2B	87-4001	Soil	Sanitary Landfill	Ra-226	0.83 ± 0.07	pCi/g	G
FE0623SS2B	87-4001	Soil	Sanitary Landfill	Ra-226	0.6 ± 0.03	pCi/g	G
FE1001IS2B	87-4001	Soil	Test Pit, 1	Ra-226	0.73 ± 0.09	pCi/g	G
FE1001IS3B	87-4001	Soil	Test Pit, 1	Ra-226	0.98 ± 0.03	pCi/g	G
FE1002IS1B	87-4001	Soil	Test Pit, 2	Ra-226	0.82 ± 0.04	pCi/g	G
FE1002IS2B	87-4001	Soil	Test Pit, 2	Ra-226	1.1 ± 0.1	pCi/g	G
FE1003IS1B	87-4001	Soil	Test Pit, 4	Ra-226	1.0 ± 0.1	pCi/g	G
FE1003IS2B	87-4001	Soil	Test Pit, 4	Ra-226	1.0 ± 0.1	pCi/g	G
FE1004IS1B	87-4001	Soil	Test Pit, 3	Ra-226	1.2 ± 0.1	pCi/g	G
FE1004IS2B	87-4001	Soil	Test Pit, 3	Ra-226	1.0 ± 0.1	pCi/g	G
FE1005IS1B	87-4001	Soil	Test Pit, 6	Ra-226	0.91 ± 0.06	pCi/g	G
FE1005IS2B	87-4001	Soil	Test Pit, 6	Ra-226	1.1 ± 0.1	pCi/g	G
FE1006IS1B	87-4001	Soil	Test Pit, 7	Ra-226	0.96 ± 0.04	pCi/g	G
FE1006IS2B	87-4001	Soil	Test Pit, 7	Ra-226	0.89 ± 0.06	pCi/g	G
FE1007IS3B	87-4001	Soil	Test Pit, 9	Ra-226	1.0 ± 0.1	pCi/g	G
FE1007IS4B	87-4001	Soil	Test Pit, 9	Ra-226	1.2 ± 0.1	pCi/g	G
FE1008IS1B	87-4001	Soil	Test Pit, 10	Ra-226	1.1 ± 0.1	pCi/g	G

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1009IS2B	87-4001	Soil	Test Pit, 11	Ra-226	1.2 ± 0.1	pCi/g	G
FE1010IS4B	87-4001	Soil	Test Pit, 12	Ra-226	1.0 ± 0.1	pCi/g	G
FE1015IS1B	87-4001	Soil	Test Pit, 8	Ra-226	0.79 ± 0.04	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	Ra-226	0.9 ± 0.04	pCi/g	
FE0123SS2B	87-4001	Soil	Burn Pit Area	Th-228	2.8 ± 0.2	pCi/g	G
FE0124SS2B	87-4001	Soil	Burn Pit Area	Th-228	5.5 ± 0.4	pCi/g	G
FE0125SS2B	87-4001	Soil	Burn Pit Area	Th-228	2.0 ± 0.2	pCi/g	G
FE0126SS2B	87-4001	Soil	Cone House	Th-228	1.1 ± 0.1	pCi/g	G
FE0127SS2B	87-4001	Soil	Cone House	Th-228	1.1 ± 0.1	pCi/g	G
FE0133IS2B	87-4001	Soil	Old Inciner. Area	Th-228	2.6 ± 0.2	pCi/g	G
FE0135IS2B	87-4001	Soil	Old Inciner. Area	Th-228	1.5 ± 0.1	pCi/g	G
FE0136IS2B	87-4001	Soil	Old Inciner. Area	Th-228	2.6 ± 0.2	pCi/g	G
FE0610DS2B	87-4001	Soil	Fire Train. Area	Th-228	0.52 ± 0.05	pCi/g	G
FE0611DS2B	87-4001	Soil	Fire Train. Area	Th-228	0.91 ± 0.13	pCi/g	G
FE0612DS2B	87-4001	Soil	Fire Train. Area	Th-228	0.54 ± 0.05	pCi/g	G
FE0615SS2B	87-4001	Soil	Fire Train. Area	Th-228	0.37 ± 0.05	pCi/g	G
FE0616SS2B	87-4001	Soil	Lime Pit	Th-228	B	pCi/g	G
FE0617SS2B	87-4001	Soil	Lime Pit	Th-228	B	pCi/g	G
FE0618SS2B	87-4001	Soil	Lime Pit	Th-228	B	pCi/g	G
FE0619SS2B	87-4001	Soil	Lime Pit	Th-228	B	pCi/g	G
FE0620SS2B	87-4001	Soil	Sanitary Landfill	Th-228	1.0 ± 0.1	pCi/g	G
FE0621SS2B	87-4001	Soil	Sanitary Landfill	Th-228	1.6 ± 0.1	pCi/g	G
FE0622SS2B	87-4001	Soil	Sanitary Landfill	Th-228	1.3 ± 0.1	pCi/g	G
FE0623SS2B	87-4001	Soil	Sanitary Landfill	Th-228	0.71 ± 0.05	pCi/g	G
FE1001IS2B	87-4001	Soil	Test Pit, 1	Th-228	1.2 ± 0.2	pCi/g	G
FE1001IS3B	87-4001	Soil	Test Pit, 1	Th-228	1.1 ± 0.1	pCi/g	G
FE1002IS1B	87-4001	Soil	Test Pit, 2	Th-228	0.65 ± 0.05	pCi/g	G
FE1002IS2B	87-4001	Soil	Test Pit, 2	Th-228	1.5 ± 0.1	pCi/g	G
FE1003IS1B	87-4001	Soil	Test Pit, 4	Th-228	1.1 ± 0.1	pCi/g	G
FE1003IS2B	87-4001	Soil	Test Pit, 4	Th-228	1.1 ± 0.1	pCi/g	G
FE1004IS1B	87-4001	Soil	Test Pit, 3	Th-228	1.2 ± 0.1	pCi/g	G
FE1004IS2B	87-4001	Soil	Test Pit, 3	Th-228	1.1 ± 0.1	pCi/g	G
FE1005IS1B	87-4001	Soil	Test Pit, 6	Th-228	0.77 ± 0.10	pCi/g	G
FE1005IS2B	87-4001	Soil	Test Pit, 6	Th-228	1.0 ± 0.1	pCi/g	G

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1006IS1B	87-4001	Soil	Test Pit, 7	Th-228	0.98 ± 0.06	pCi/g	G
FE1006IS2B	87-4001	Soil	Test Pit, 7	Th-228	0.72 ± 0.08	pCi/g	G
FE1007IS3B	87-4001	Soil	Test Pit, 9	Th-228	1.4 ± 0.1	pCi/g	G
FE1007IS4B	87-4001	Soil	Test Pit, 9	Th-228	1.1 ± 0.1	pCi/g	G
FE1008IS1B	87-4001	Soil	Test Pit, 10	Th-228	13 ± 1	pCi/g	G
FE1009IS2B	87-4001	Soil	Test Pit, 11	Th-228	1.2 ± 0.1	pCi/g	G
FE1010IS4B	87-4001	Soil	Test Pit, 12	Th-228	0.63 ± 0.10	pCi/g	G
FE1015IS1B	87-4001	Soil	Test Pit, 8	Th-228	0.97 ± 0.07	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	Th-228	0.97 ± 0.06	pCi/g	
FE0123SS2B	87-4001	Soil	Burn Pit Area	Th-232	2.1 ± 0.2	pCi/g	G
FE0124SS2B	87-4001	Soil	Burn Pit Area	Th-232	4.3 ± 0.3	pCi/g	G
FE0125SS2B	87-4001	Soil	Burn Pit Area	Th-232	1.8 ± 0.2	pCi/g	G
FE0126SS2B	87-4001	Soil	Cone House	Th-232	1.3 ± 0.2	pCi/g	G
FE0127SS2B	87-4001	Soil	Cone House	Th-232	0.79 ± 0.08	pCi/g	G
FE0133IS2B	87-4001	Soil	Old Inciner. Area	Th-232	2.2 ± 0.3	pCi/g	G
FE0135IS2B	87-4001	Soil	Old Inciner. Area	Th-232	1.4 ± 0.12	pCi/g	G
FE0136IS2B	87-4001	Soil	Old Inciner. Area	Th-232	2.4 ± 0.1	pCi/g	G
FE0610DS2B	87-4001	Soil	Fire Train. Area	Th-232	0.61 ± 0.07	pCi/g	G
FE0611DS2B	87-4001	Soil	Fire Train. Area	Th-232	0.86 ± 0.15	pCi/g	G
FE0612DS2B	87-4001	Soil	Fire Train. Area	Th-232	0.51 ± 0.07	pCi/g	G
FE0615SS2B	87-4001	Soil	Fire Train. Area	Th-232	0.38 ± 0.06	pCi/g	G
FE0616SS2B	87-4001	Soil	Lime Pit	Th-232	B	pCi/g	G
FE0617SS2B	87-4001	Soil	Lime Pit	Th-232	B	pCi/g	G
FE0618SS2B	87-4001	Soil	Lime Pit	Th-232	B	pCi/g	G
FE0619SS2B	87-4001	Soil	Lime Pit	Th-232	B	pCi/g	G
FE0620SS2B	87-4001	Soil	Sanitary Landfill	Th-232	1.1 ± 0.1	pCi/g	G
FE0621SS2B	87-4001	Soil	Sanitary Landfill	Th-232	1.2 ± 0.1	pCi/g	G
FE0622SS2B	87-4001	Soil	Sanitary Landfill	Th-232	1.1 ± 0.2	pCi/g	G
FE0623SS2B	87-4001	Soil	Sanitary Landfill	Th-232	0.8 ± 0.07	pCi/g	G
FE1001IS2B	87-4001	Soil	Test Pit, 1	Th-232	1.3 ± 0.2	pCi/g	G
FE1001IS3B	87-4001	Soil	Test Pit, 1	Th-232	1.1 ± 0.1	pCi/g	G
FE1002IS1B	87-4001	Soil	Test Pit, 2	Th-232	0.68 ± 0.05	pCi/g	G
FE1002IS2B	87-4001	Soil	Test Pit, 2	Th-232	1.3 ± 0.2	pCi/g	G
FE1003IS1B	87-4001	Soil	Test Pit, 4	Th-232	1.1 ± 0.1	pCi/g	G

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1003IS2B	87-4001	Soil	Test Pit, 4	Th-232	1.1 ± 0.1	pCi/g	G
FE1004IS1B	87-4001	Soil	Test Pit, 3	Th-232	1.1 ± 0.1	pCi/g	G
FE1004IS2B	87-4001	Soil	Test Pit, 3	Th-232	1.1 ± 0.2	pCi/g	G
FE1005IS1B	87-4001	Soil	Test Pit, 6	Th-232	0.91 ± 0.11	pCi/g	G
FE1005IS2B	87-4001	Soil	Test Pit, 6	Th-232	1.1 ± 0.2	pCi/g	G
FE1006IS1B	87-4001	Soil	Test Pit, 7	Th-232	0.87 ± 0.06	pCi/g	G
FE1006IS2B	87-4001	Soil	Test Pit, 7	Th-232	0.67 ± 0.11	pCi/g	G
FE1007IS3B	87-4001	Soil	Test Pit, 9	Th-232	1.4 ± 0.2	pCi/g	G
FE1007IS4B	87-4001	Soil	Test Pit, 9	Th-232	0.9 ± 0.09	pCi/g	G
FE1008IS1B	87-4001	Soil	Test Pit, 10	Th-232	11 ± 1	pCi/g	G
FE1009IS2B	87-4001	Soil	Test Pit, 11	Th-232	1.1 ± 0.1	pCi/g	G
FE1010IS4B	87-4001	Soil	Test Pit, 12	Th-232	0.86 ± 0.14	pCi/g	G
FE1015IS1B	87-4001	Soil	Test Pit, 8	Th-232	0.72 ± 0.09	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	Th-232	0.94 ± 0.08	pCi/g	
FE0123SS1B	87-0006-07	Soil	Burn Pit Area	Total U	3080.0	mg/kg	
FE0124SS1B	87-0006-08	Soil	Burn Pit Area	Total U	13300.0	mg/kg	
FE0125SS1B	87-0006-09	Soil	Burn Pit Area	Total U	234.0	mg/kg	
FE0126SS1B	87-0059-01	Soil	Cone House	Total U	4.3	mg/kg	
FE0127SS1B	87-0059-02	Soil	Cone House	Total U	19.0	mg/kg	
FE0133IS1B	87-0085-06	Soil	Old Inciner. Area	Total U	1790.0	mg/kg	
FE0134IS1B	87-0085-07	Soil	Old Inciner. Area	Total U	196.0	mg/kg	
FE0135IS1B	87-0085-08	Soil	Old Inciner. Area	Total U	355.0	mg/kg	
FE0136IS1B	87-0085-09	Soil	Old Inciner. Area	Total U	12400.0	mg/kg	
FE0610DS1B	87-0135-01	Soil	Fire Train. Area	Total U	26.0	mg/kg	
FE0611DS1B	87-0135-02	Soil	Fire Train. Area	Total U	3.0	mg/kg	
FE0612DS1B	87-0135-03	Soil	Fire Train. Area	Total U	5.8	mg/kg	
FE0615SS1B	87-0135-06	Soil	Fire Train. Area	Total U	27.0	mg/kg	
FE0616SS1B	87-0048-09	Soil	Lime Pit	Total U	14.0	mg/kg	
FE0617SS1B	87-0048-10	Soil	Lime Pit	Total U	19.0	mg/kg	
FE0617SS2B	87-0048-11	Soil	Lime Pit	Total U	17.0	mg/kg	
FE0618SS1B	87-0048-12	Soil	Lime Pit	Total U	36.0	mg/kg	
FE0619SS1B	87-0048-13	Soil	Lime Pit	Total U	28.0	mg/kg	
FE0620SS1B	87-0048-14	Soil	Sanitary Landfill	Total U	149.0	mg/kg	
FE0621SS1B	87-0048-15	Soil	Sanitary Landfill	Total U	66.0	mg/kg	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0622SS1B	87-0048-16	Soil	Sanitary Landfill	Total U	112.0	mg/kg	
FE0623SS1B	87-0085-10	Soil	Sanitary Landfill	Total U	11.0	mg/kg	
FE1001IS1B	87-0060-11	Soil	Test Pit, 1	Total U	3.8	mg/kg	
FE1001IS3B	87-0060-12	Soil	Test Pit, 1	Total U	1.9	mg/kg	
FE1002IS1B	87-0060-13	Soil	Test Pit, 2	Total U	2.0	mg/kg	
FE1002IS2B	87-0060-14	Soil	Test Pit, 2	Total U	1.8	mg/kg	
FE1003IS1B	87-0060-15	Soil	Test Pit, 4	Total U	4.3	mg/kg	
FE1003IS2B	87-0060-16	Soil	Test Pit, 4	Total U	1.8	mg/kg	
FE1004IS1B	87-0085-13	Soil	Test Pit, 3	Total U	10.0	mg/kg	
FE1004IS2B	87-0085-14	Soil	Test Pit, 3	Total U	1.8	mg/kg	
FE1005IS1B	87-0085-15	Soil	Test Pit, 6	Total U	21.0	mg/kg	
FE1005IS2B	87-0085-16	Soil	Test Pit, 6	Total U	1.8	mg/kg	
FE1006IS1B	87-0085-17	Soil	Test Pit, 7	Total U	12.0	mg/kg	
FE1006IS2B	87-0085-18	Soil	Test Pit, 7	Total U	2.0	mg/kg	
FE1007IS3B	87-0085-19	Soil	Test Pit, 9	Total U	1.6	mg/kg	
FE1007IS4B	87-0085-20	Soil	Test Pit, 9	Total U	14.0	mg/kg	
FE1008IS1B	87-0085-21	Soil	Test Pit, 10	Total U	35.0	mg/kg	
FE1008IS2B	87-0134-03	Soil	Test Pit, 10	Total U	7.6	mg/kg	
FE1009IS1B	87-0085-22	Soil	Test Pit, 11	Total U	2.4	mg/kg	
FE1009IS3B	87-0085-23	Soil	Test Pit, 11	Total U	1.7	mg/kg	
FE1010IS1B	87-0085-24	Soil	Test Pit, 12	Total U	9.1	mg/kg	
FE1010IS3B	87-0085-25	Soil	Test Pit, 12	Total U	2.9	mg/kg	
FE1015IS1B	87-0116-08	Soil	Test Pit, 8	Total U	228.0	mg/kg	
FE1015IS2B	87-0116-09	Soil	Test Pit, 8	Total U	250.0	mg/kg	
FE0123SS2B	87-4001	Soil	Burn Pit Area	U-235	15 ± 3	pCi/g	
FE0124SS2B	87-4001	Soil	Burn Pit Area	U-235	61 ± 1	pCi/g	
FE0125SS2B	87-4001	Soil	Burn Pit Area	U-235	1.6 ±0.1	pCi/g	
FE0126SS2B	87-4001	Soil	Cone House	U-235	0.14 ± 0.02	pCi/g	
FE0127SS2B	87-4001	Soil	Cone House	U-235	A	pCi/g	
FE0133IS2B	87-4001	Soil	Old Inciner. Area	U-235	12 ± 1	pCi/g	
FE0135IS2B	87-4001	Soil	Old Inciner. Area	U-235	1.5 ± 0.1	pCi/g	
FE0136IS2B	87-4001	Soil	Old Inciner. Area	U-235	34 ± 1	pCi/g	
FE0610DS2B	87-4001	Soil	Fire Train. Area	U-235	A	pCi/g	
FE0611DS2B	87-4001	Soil	Fire Train. Area	U-235	A	pCi/g	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0612DS2B	87-4001	Soil	Fire Train. Area	U-235	A	pCi/g	
FE0615SS2B	87-4001	Soil	Fire Train. Area	U-235	A	pCi/g	
FE0616SS2B	87-4001	Soil	Lime Pit	U-235	A	pCi/g	
FE0617SS2B	87-4001	Soil	Lime Pit	U-235	0.18 ± 0.02	pCi/g	
FE0618SS2B	87-4001	Soil	Lime Pit	U-235	A	pCi/g	
FE0619SS2B	87-4001	Soil	Lime Pit	U-235	0.44 ± 0.02	pCi/g	
FE0620SS2B	87-4001	Soil	Sanitary Landfill	U-235	0.89 ± 0.01	pCi/g	
FE0621SS2B	87-4001	Soil	Sanitary Landfill	U-235	A	pCi/g	
FE0622SS2B	87-4001	Soil	Sanitary Landfill	U-235	1.2 ± 0.1	pCi/g	
FE0623SS2B	87-4001	Soil	Sanitary Landfill	U-235	0.69 ± 0.04	pCi/g	
FE1001IS2B	87-4001	Soil	Test Pit, 1	U-235	A	pCi/g	
FE1001IS3B	87-4001	Soil	Test Pit, 1	U-235	0.07 ± 0.01	pCi/g	
FE1002IS1B	87-4001	Soil	Test Pit, 2	U-235	0.07 ± 0.01	pCi/g	
FE1002IS2B	87-4001	Soil	Test Pit, 2	U-235	0.1 ± 0.01	pCi/g	
FE1003IS1B	87-4001	Soil	Test Pit, 4	U-235	0.07 ± 0.01	pCi/g	
FE1003IS2B	87-4001	Soil	Test Pit, 4	U-235	0.06 ± 0.01	pCi/g	
FE1004IS1B	87-4001	Soil	Test Pit, 3	U-235	0.12 ± 0.01	pCi/g	
FE1004IS2B	87-4001	Soil	Test Pit, 3	U-235	0.09 ± 0.01	pCi/g	
FE1005IS1B	87-4001	Soil	Test Pit, 6	U-235	0.18 ± 0.02	pCi/g	
FE1005IS2B	87-4001	Soil	Test Pit, 6	U-235	0.07 ± 0.01	pCi/g	
FE1006IS1B	87-4001	Soil	Test Pit, 7	U-235	0.12 ± 0.01	pCi/g	
FE1006IS2B	87-4001	Soil	Test Pit, 7	U-235	B	pCi/g	
FE1007IS3B	87-4001	Soil	Test Pit, 9	U-235	0.09 ± 0.01	pCi/g	
FE1007IS4B	87-4001	Soil	Test Pit, 9	U-235	0.11 ± 0.01	pCi/g	
FE1008IS1B	87-4001	Soil	Test Pit, 10	U-235	0.43 ± 0.02	pCi/g	
FE1009IS2B	87-4001	Soil	Test Pit, 11	U-235	0.07 ± 0.01	pCi/g	
FE1010IS4B	87-4001	Soil	Test Pit, 12	U-235	0.09 ± 0.01	pCi/g	
FE1015IS1B	87-4001	Soil	Test Pit, 8	U-235	0.72 ± 0.01	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	U-235	0.41 ± 0.01	pCi/g	
FE0123SS2B	87-4001	Soil	Burn Pit Area	U-238	1873 ± 19	pCi/g	
FE0124SS2B	87-4001	Soil	Burn Pit Area	U-238	9432 ± 85	pCi/g	
FE0125SS2B	87-4001	Soil	Burn Pit Area	U-238	100 ± 9	pCi/g	
FE0126SS2B	87-4001	Soil	Cone House	U-238	A	pCi/g	
FE0127SS2B	87-4001	Soil	Cone House	U-238	A	pCi/g	

Table E.5.3 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0133IS2B	87-4001	Soil	Old Inciner. Area	U-238	773 ± 15	pCi/g	
FE0135IS2B	87-4001	Soil	Old Inciner. Area	U-238	96 ± 7	pCi/g	
FE0136IS2B	87-4001	Soil	Old Inciner. Area	U-238	2399 ± 24	pCi/g	
FE0610DS2B	87-4001	Soil	Fire Train. Area	U-238	A	pCi/g	
FE0611DS2B	87-4001	Soil	Fire Train. Area	U-238	A	pCi/g	
FE0612DS2B	87-4001	Soil	Fire Train. Area	U-238	A	pCi/g	
FE0615SS2B	87-4001	Soil	Fire Train. Area	U-238	B	pCi/g	
FE0616SS2B	87-4001	Soil	Lime Pit	U-238	A	pCi/g	
FE0617SS2B	87-4001	Soil	Lime Pit	U-238	1.6 ± 0.3	pCi/g	
FE0618SS2B	87-4001	Soil	Lime Pit	U-238	41 ± 6	pCi/g	
FE0619SS2B	87-4001	Soil	Lime Pit	U-238	22 ± 4	pCi/g	
FE0620SS2B	87-4001	Soil	Sanitary Landfill	U-238	64 ± 4	pCi/g	
FE0621SS2B	87-4001	Soil	Sanitary Landfill	U-238	A	pCi/g	
FE0622SS2B	87-4001	Soil	Sanitary Landfill	U-238	48 ± 6	pCi/g	
FE0623SS2B	87-4001	Soil	Sanitary Landfill	U-238	B	pCi/g	
FE1001IS2B	87-4001	Soil	Test Pit, 1	U-238	A	pCi/g	
FE1001IS3B	87-4001	Soil	Test Pit, 1	U-238	A	pCi/g	
FE1002IS1B	87-4001	Soil	Test Pit, 2	U-238	A	pCi/g	
FE1002IS2B	87-4001	Soil	Test Pit, 2	U-238	A	pCi/g	
FE1003IS1B	87-4001	Soil	Test Pit, 4	U-238	A	pCi/g	
FE1003IS2B	87-4001	Soil	Test Pit, 4	U-238	A	pCi/g	
FE1004IS1B	87-4001	Soil	Test Pit, 3	U-238	B	pCi/g	
FE1004IS2B	87-4001	Soil	Test Pit, 3	U-238	A	pCi/g	
FE1005IS1B	87-4001	Soil	Test Pit, 6	U-238	B	pCi/g	
FE1005IS2B	87-4001	Soil	Test Pit, 6	U-238	A	pCi/g	
FE1006IS1B	87-4001	Soil	Test Pit, 7	U-238	B	pCi/g	
FE1006IS2B	87-4001	Soil	Test Pit, 7	U-238	A	pCi/g	
FE1007IS3B	87-4001	Soil	Test Pit, 9	U-238	A	pCi/g	
FE1007IS4B	87-4001	Soil	Test Pit, 9	U-238	A	pCi/g	
FE1008IS1B	87-4001	Soil	Test Pit, 10	U-238	24 ± 5	pCi/g	
FE1009IS2B	87-4001	Soil	Test Pit, 11	U-238	A	pCi/g	
FE1010IS4B	87-4001	Soil	Test Pit, 12	U-238	A	pCi/g	
FE1015IS1B	87-4001	Soil	Test Pit, 8	U-238	99 ± 5	pCi/g	
FE1015IS2B	87-4001	Soil	Test Pit, 8	U-238	64 ± 4	pCi/g	

Table E.5.4 (Cont.) Environmental Problem 5 Non-Production Area Soil Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Ag	< 0.1	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Ag	< 0.1	mg/L	
FE1015IS3B	87-0111-04	Water	Test Pit, 8	As	< 0.5	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	As	< 0.5	mg/L	
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Ba	0.18	mg/L	B
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Ba	0.19	mg/L	B
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Cd	< 0.02	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Cd	< 0.02	mg/L	
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Cr	0.04	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Cr	0.05	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Hg	< 0.001	mg/L	
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Pb	< 0.3	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Pb	< 0.3	mg/L	
FE1015IS3B	87-0111-04	Water	Test Pit, 8	Se	< 0.5	mg/L	
FE1015IS4B	87-0111-05	Water	Test Pit, 8	Se	< 0.5	mg/L	
FE1007IS5B	87-4001	Water	Test Pit, 9	Bi-214	A	pCi/L	
FE1015IS5B	87-4001	Water	Test Pit, 8	Bi-214	B	pCi/L	
FE1007IS5B	87-4001	Water	Test Pit, 9	Cs-137	B	pCi/L	
FE1015IS5B	87-4001	Water	Test Pit, 8	Cs-137	B	pCi/L	
FE1007IS5B	87-4001	Water	Test Pit, 9	Ra-226	A	pCi/L	G
FE1015IS5B	87-4001	Water	Test Pit, 8	Ra-226	B	pCi/L	G
FE1007IS5B	87-4001	Water	Test Pit, 9	Th-228	A	pCi/L	G
FE1015IS5B	87-4001	Water	Test Pit, 8	Th-228	B	pCi/L	G
FE1007IS5B	87-4001	Water	Test Pit, 9	Th-232	A	pCi/L	G
FE1015IS5B	87-4001	Water	Test Pit, 8	Th-232	B	pCi/L	G
FE1007IS1B	87-0081-01	Water	Test Pit, 9	Total U	13.0	µg/L	
FE1015IS3B	87-0081-02	Water	Test Pit, 8	Total U	2230.0	µg/L	
FE1015IS4B	87-0081-03	Water	Test Pit, 8	Total U	3270.0	µg/L	
FE1007IS5B	87-4001	Water	Test Pit, 9	U-235	A	pCi/L	
FE1015IS5B	87-4001	Water	Test Pit, 8	U-235	A	pCi/L	
FE1007IS5B	87-4001	Water	Test Pit, 9	U-238	A	pCi/L	
FE1015IS5B	87-4001	Water	Test Pit, 8	U-238	A	pCi/L	

Table E.6.1 Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0102WP4B	861208007-3	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0103WP4B	861208007-4	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0104WP4B	861208007-5	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0105WP4B	861208007-6	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0106WP4B	861208007-7	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0107WP4B	861208007-8	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0601WP4B	861208007-17	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0602WP4B	861208007-18	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0603WP4B	861208007-19	Fly Ash	New Fly Ash Pile	Asbestos	ND	-	
FE0604WP4B	861208007-20	Fly Ash	Old Fly Ash Pile	Asbestos	ND	-	
FE0605WP4B	861208007-21	Fly Ash	Old Fly Ash Pile	Asbestos	ND	-	
FE0607WP4B	861208007-22	Fly Ash	Old Fly Ash Pile	Asbestos	ND	-	
FE0608WP4B	861208007-23	Fly Ash	Old Fly Ash Pile	Asbestos	ND	-	
FE0609WP4B	861208007-24	Fly Ash	Old Fly Ash Pile	Asbestos	ND	-	
FE0100WP4B	861208007-1	Fly Ash	New Flyash Pile	Asbestos-Fibers	ND	MFL	
FE0101WP4B	861208007-2	Fly Ash	New Flyash Pile	Asbestos-Fibers	ND	MFL	
FE0100WP4B	861208007-1	Fly Ash	New Flyash Pile	Asbestos-Fibers > 10um	ND	MFL	
FE0101WP4B	861208007-2	Fly Ash	New Flyash Pile	Asbestos-Fibers > 10um	ND	MFL	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Ag	< 0.1	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Ag	< 0.1	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Ag	< 0.1	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Ag	< 0.1	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Ag	< 0.1	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Ag	< 0.1	mg/L	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	As	< 0.5	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	As	< 0.5	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	As	< 0.5	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	As	< 0.5	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	As	< 0.5	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	As	< 0.5	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Ba	0.53	mg/L	B
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Ba	0.50	mg/L	B
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Ba	0.55	mg/L	B
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Ba	0.78	mg/L	B
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Ba	0.25	mg/L	B
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Ba	0.41	mg/L	B
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Ba	0.32	mg/L	B
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Ba	0.32	mg/L	B
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Ba	0.50	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Ba	0.34	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Ba	0.78	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Ba	0.61	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Ba	0.73	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Ba	0.37	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Ba	1.22	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Ba	1.15	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Cd	< 0.02	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Cd	< 0.02	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Cd	< 0.02	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Cd	< 0.03	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Cd	< 0.02	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Cd	< 0.02	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Cr	< 0.03	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Cr	0.06	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Cr	< 0.03	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Cr	< 0.03	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Cr	< 0.03	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Cr	< 0.03	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Cr	< 0.03	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Hg	< 0.001	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Hg	< 0.001	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Hg	< 0.001	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Hg	< 0.001	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Hg	< 0.001	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Hg	< 0.001	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Pb	< 0.3	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Pb	< 0.3	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Pb	< 0.3	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Pb	< 0.3	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Pb	< 0.3	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Pb	< 0.3	mg/L	
FE0100WP2B	87-0103-01	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0101WP2B	87-0103-02	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0102WP2B	87-0103-03	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0103WP2B	87-0103-04	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0104WP2B	87-0103-05	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0105WP2B	87-0103-06	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0106WP2B	87-0103-07	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0107WP2B	87-0103-08	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0601WP1B	87-0114-01	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0602WP1B	87-0114-02	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0603WP1B	87-0114-03	Fly Ash	New Fly Ash Pile	Se	< 0.5	mg/L	
FE0604WP1B	87-0114-04	Fly Ash	Old Fly Ash Pile	Se	< 0.5	mg/L	
FE0605WP1B	87-0114-05	Fly Ash	Old Fly Ash Pile	Se	< 0.5	mg/L	
FE0607WP1B	87-0114-06	Fly Ash	Old Fly Ash Pile	Se	< 0.5	mg/L	
FE0608WP1B	87-0114-07	Fly Ash	Old Fly Ash Pile	Se	< 0.5	mg/L	
FE0609WP1B	87-0114-08	Fly Ash	Old Fly Ash Pile	Se	< 0.5	mg/L	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	73	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	190	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	140	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	420	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,1-Trichloroethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,1-Trichloroethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,1-Trichloroethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,1-Trichloroethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,1-Trichloroethane	100	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,1-Trichloroethane	84	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1,2-Trichloroethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,1-Dichloroethene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloroethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	1,2-Dichloropropane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	2-Butanone	< 10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	2-Butanone	29	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Butanone	67	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Butanone	<10	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Butanone	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Hexanone	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	2-Hexanone	<10	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	4-Methyl-2-Pentanone	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Acetone	940	µg/kg	Q Z5
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Acetone	770	µg/kg	Q Z5
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Acetone	580	µg/kg	Q Z5
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Acetone	280	µg/kg	Q Z5
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Acetone	170	µg/kg	Q Z5
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Acetone	420	µg/kg	Q Z5
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Acetone	110	µg/kg	Q Z5
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Acetone	200	µg/kg	Q Z5
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Acetone	63	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Acetone	140	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Acetone	37	µg/kg	B
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Acetone	24	µg/kg	B
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Acetone	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Acetone	50	µg/kg	B
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Acetone	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Acetone	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Benzene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Benzene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Benzene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Benzene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Benzene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Benzene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Benzene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Benzene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Benzene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Bromodichloromethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromodichloromethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Bromoform	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromoform	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromoform	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromoform	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromoform	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromoform	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromoform	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromoform	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromoform	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Bromomethane	< 10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Bromomethane	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Carbon Disulfide	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Disulfide	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Carbon Tetrachloride	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Chlorobenzene	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chlorobenzene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Chloroethane	< 10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroethane	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Chloroform	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Chloroform	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Chloroform	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Chloroform	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Chloroform	7	µg/kg	B
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Chloroform	7	µg/kg	B
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Chloroform	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Chloroform	6	µg/kg	B
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroform	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroform	<5	µg/kg	

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Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloroform	11	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroform	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroform	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroform	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroform	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloroform	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Chloromethane	< 10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Chloromethane	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Dibromochloromethane	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Dibromochloromethane	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Ethylbenzene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Ethylbenzene	<5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Ethylbenzene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Methylene Chloride	1100	µg/kg	Q Z5
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Methylene Chloride	660	µg/kg	Q Z5
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Methylene Chloride	480	µg/kg	Q Z5
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Methylene Chloride	350	µg/kg	Q Z5
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Methylene Chloride	260	µg/kg	Q Z5
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Methylene Chloride	710	µg/kg	Q Z5
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Methylene Chloride	250	µg/kg	Q Z5
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Methylene Chloride	240	µg/kg	Q Z5
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Methylene Chloride	160	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Methylene Chloride	200	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Methylene Chloride	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Methylene Chloride	110	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Methylene Chloride	52	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Methylene Chloride	21	µg/kg	B
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Methylene Chloride	28	µg/kg	B
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Methylene Chloride	27	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Styrene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Styrene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Styrene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Styrene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Styrene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Styrene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Styrene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Styrene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Styrene	<5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Tetrachloroethene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Tetrachloroethene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Toluene	34	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Toluene	19	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Toluene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Toluene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Toluene	89	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Toluene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Toluene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Toluene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Toluene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Toluene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Toluene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Toluene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Toluene	60	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Toluene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Toluene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Toluene	34	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Total Xylenes	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Total Xylenes	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Trichloroethene	< 5	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Trichloroethene	<5	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Vinyl Acetate	< 10	µg/kg	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Acetate	<10	µg/kg	
FE0100WP1B	60906204	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0101WP1B	60906205	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0102WP1B	60906206	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0103WP1B	60906207	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0104WP1B	60906208	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0105WP1B	60906209	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0106WP1B	60906210	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0107WP1B	60906211	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0601WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0602WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0603WP3B	86-7002	Fly Ash	New Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0604WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0605WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0607WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0608WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0609WP3B	86-7002	Fly Ash	Old Fly Ash Pile	Vinyl Chloride	<10	µg/kg	
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.9 ± 0.1	pCi/g	
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	2.5 ± 0.2	pCi/g	
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	4.0 ± 0.4	pCi/g	
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.3 ± 0.3	pCi/g	
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	2.7 ± 0.2	pCi/g	
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.0 ± 0.2	pCi/g	
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.1 ± 0.2	pCi/g	
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.3 ± 0.2	pCi/g	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.1 ± 0.2	pCi/g	
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	3.5 ± 0.1	pCi/g	
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	Bi-214	2.4 ± 0.1	pCi/g	
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Bi-214	1.4 ± 0.1	pCi/g	
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Bi-214	1.9 ± 0.2	pCi/g	
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Bi-214	2.4 ± 0.2	pCi/g	
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Bi-214	2.1 ± 0.1	pCi/g	
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Bi-214	1.6 ± 0.1	pCi/g	
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	A	pCi/g	
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0604WP2B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	A	pCi/g	
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Cs-137	B	pCi/g	
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Cs-137	B	pCi/g	
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Cs-137	B	pCi/g	
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Cs-137	B	pCi/g	
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	Cs-137	B	pCi/g	
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	3.8 ± 0.3	pCi/g	G
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	3.2 ± 0.2	pCi/g	G
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	2.9 ± 0.3	pCi/g	G
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	3.0 ± 0.2	pCi/g	G
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	3.1 ± 0.1	pCi/g	G
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	2.8 ± 0.1	pCi/g	G
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	2.7 ± 0.1	pCi/g	G
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	3.2 ± 0.2	pCi/g	G
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	2.5 ± 0.1	pCi/g	G
					3.3 ± 0.1	pCi/g	G

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	Ra-226	2.3 ± 0.1	pCi/g	G
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Ra-226	1.2 ± 0.1	pCi/g	G
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Ra-226	1.7 ± 0.1	pCi/g	G
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Ra-226	2.4 ± 0.2	pCi/g	G
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Ra-226	1.8 ± 0.1	pCi/g	G
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Ra-226	1.5 ± 0.1	pCi/g	G
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.7 ± 0.1	pCi/g	G
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.5 ± 0.3	pCi/g	G
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.5 ± 0.4	pCi/g	G
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.2 ± 0.4	pCi/g	G
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.9 ± 0.2	pCi/g	G
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.9 ± 0.2	pCi/g	G
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.7 ± 0.2	pCi/g	G
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.9 ± 0.3	pCi/g	G
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.9 ± 0.2	pCi/g	G
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	2.8 ± 0.1	pCi/g	G
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-228	1.1 ± 0.1	pCi/g	G
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-228	1.2 ± 0.1	pCi/g	G
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-228	2.2 ± 0.2	pCi/g	G
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-228	2.4 ± 0.2	pCi/g	G
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-228	2.2 ± 0.1	pCi/g	G
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-228	2.2 ± 0.1	pCi/g	G
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.7 ± 0.2	pCi/g	G
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.1 ± 0.3	pCi/g	G
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	1.0 ± 0.5	pCi/g	G
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.0 ± 0.6	pCi/g	G
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.2 ± 0.3	pCi/g	G
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.3 ± 0.2	pCi/g	G
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.9 ± 0.3	pCi/g	G
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.7 ± 0.3	pCi/g	G
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.8 ± 0.3	pCi/g	G
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	2.7 ± 0.1	pCi/g	G
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	Th-232	1.4 ± 0.1	pCi/g	G
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-232	0.94 ± 0.12	pCi/g	G

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-232	2.2 ± 0.3	pCi/g	G
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-232	2.4 ± 0.4	pCi/g	G
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-232	2.1 ± 0.1	pCi/g	G
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	Th-232	2.2 ± 0.1	pCi/g	G
FE0100WP2B	86-0709-10	Fly Ash	New Fly Ash Pile	Total U	9.1	mg/kg	
FE0101WP2B	86-0709-05	Fly Ash	New Fly Ash Pile	Total U	9.6	mg/kg	
FE0102WP2B	86-0709-16	Fly Ash	New Fly Ash Pile	Total U	10.0	mg/kg	
FE0103WP2B	86-0709-06	Fly Ash	New Fly Ash Pile	Total U	9.2	mg/kg	
FE0104WP2B	86-0709-02	Fly Ash	New Fly Ash Pile	Total U	9.7	mg/kg	
FE0105WP2B	86-0709-13	Fly Ash	New Fly Ash Pile	Total U	8.8	mg/kg	
FE0106WP2B	86-0709-08	Fly Ash	New Fly Ash Pile	Total U	13.0	mg/kg	
FE0107WP2B	86-0709-03	Fly Ash	New Fly Ash Pile	Total U	8.9	mg/kg	
FE0601WP1B	87-0048-01	Fly Ash	New Fly Ash Pile	Total U	17.0	mg/kg	
FE0602WP1B	87-0048-02	Fly Ash	New Fly Ash Pile	Total U	15.0	mg/kg	
FE0603WP1B	87-0048-03	Fly Ash	New Fly Ash Pile	Total U	5.5	mg/kg	
FE0604WP1B	87-0048-04	Fly Ash	Old Fly Ash Pile	Total U	17.0	mg/kg	
FE0605WP1B	87-0048-05	Fly Ash	Old Fly Ash Pile	Total U	12.0	mg/kg	
FE0607WP1B	87-0048-06	Fly Ash	Old Fly Ash Pile	Total U	9.4	mg/kg	
FE0608WP1B	87-0048-07	Fly Ash	Old Fly Ash Pile	Total U	8.4	mg/kg	
FE0609WP1B	87-0048-08	Fly Ash	Old Fly Ash Pile	Total U	10.0	mg/kg	
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-235	A	pCi/g	
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-235	A	pCi/g	
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-235	A	pCi/g	
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-235	A	pCi/g	

Table E.6.1 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Fly Ash Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-235	A	pCi/g	
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-235	A	pCi/g	
FE0100WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0101WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0102WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0103WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0104WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0105WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0106WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0107WP3B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0601WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-238	A	pCi/g	
FE0602WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-238	B	pCi/g	
FE0603WP2B	87-4001	Fly Ash	New Fly Ash Pile	U-238	B	pCi/g	
FE0604WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-238	B	pCi/g	
FE0605WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-238	A	pCi/g	
FE0607WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-238	A	pCi/g	
FE0608WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-238	A	pCi/g	
FE0609WP2B	87-4001	Fly Ash	Old Fly Ash Pile	U-238	B	pCi/g	

Table E.6.2 Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0108SS4B	861208007-9	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0109SS4B	861208007-10	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0110SS4B	861208007-11	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0111SS4B	861208007-12	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0112SS4B	861208007-13	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0113SS4B	861208007-14	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0114SS4B	861208007-15	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0115SS4B	861208007-16	Soil	Old Fly Ash Area	Asbestos	ND	-	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Ag	< 0.1	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Ag	< 0.1	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Ag	< 0.1	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Ag	< 0.1	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Ag	< 0.1	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Ag	< 0.1	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Ag	< 0.1	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Ag	< 0.1	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Ag	< 0.1	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	As	< 0.5	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	As	< 0.5	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	As	< 0.5	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	As	< 0.5	mg/L	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	As	< 0.5	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	As	< 0.5	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	As	< 0.5	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	As	< 0.5	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	As	< 0.5	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Ba	0.58	mg/L	B
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Ba	0.42	mg/L	B
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Ba	0.49	mg/L	B
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Ba	0.46	mg/L	B
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Ba	0.45	mg/L	B
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Ba	0.55	mg/L	B
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Ba	0.47	mg/L	B
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Ba	0.55	mg/L	B
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Ba	0.53	mg/L	B
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Ba	0.60	mg/L	B
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Ba	0.25	mg/L	B
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Ba	0.65	mg/L	B
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Ba	0.70	mg/L	B
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Ba	0.43	mg/L	B
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Ba	0.54	mg/L	B
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Ba	0.49	mg/L	B
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Cd	< 0.02	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Cd	< 0.02	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Cd	< 0.02	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Cd	< 0.02	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Cd	< 0.02	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Cd	< 0.02	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Cd	< 0.02	mg/L	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Cd	< 0.02	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Cd	< 0.02	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Cr	< 0.03	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Cr	< 0.03	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Cr	< 0.03	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Cr	< 0.03	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Cr	< 0.03	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Cr	0.05	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Cr	< 0.03	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Cr	< 0.03	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Cr	< 0.03	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Hg	< 0.001	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Hg	< 0.001	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Hg	< 0.001	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Hg	< 0.001	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Hg	< 0.001	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Hg	< 0.001	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Hg	< 0.001	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Hg	< 0.001	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Hg	< 0.001	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Pb	< 0.3	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Pb	< 0.3	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Pb	< 0.3	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Pb	< 0.3	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Pb	< 0.3	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Pb	< 0.3	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Pb	< 0.3	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Pb	< 0.3	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Pb	< 0.3	mg/L	
FE0108SS2B	87-0103-09	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0109SS2B	87-0103-10	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0110SS2B	87-0103-11	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0111SS2B	87-0103-12	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0112SS2B	87-0103-13	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0113SS2B	87-0103-14	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0114SS2B	87-0103-15	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE0115SS2B	87-0103-16	Soil	Old Fly Ash Area	Se	< 0.5	mg/L	
FE1011IS1B	87-0126-02	Soil	Test Pit, 14	Se	< 0.5	mg/L	
FE1011IS2B	87-0126-03	Soil	Test Pit, 14	Se	< 0.5	mg/L	
FE1012IS1B	87-0126-04	Soil	Test Pit, 15	Se	< 0.5	mg/L	
FE1012IS2B	87-0126-05	Soil	Test Pit, 15	Se	< 0.5	mg/L	
FE1013IS1B	87-0126-10	Soil	Test Pit, 16	Se	< 0.5	mg/L	
FE1013IS2B	87-0126-11	Soil	Test Pit, 16	Se	< 0.5	mg/L	
FE1014IS1B	87-0126-06	Soil	Test Pit, 17	Se	< 0.5	mg/L	
FE1014IS2B	87-0126-07	Soil	Test Pit, 17	Se	< 0.5	mg/L	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,1,1-Trichloroethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,1,1-Trichloroethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,1,2-Trichloroethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,1,2-Trichloroethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,1-Dichloroethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,1-Dichloroethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,1-Dichloroethene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,1-Dichloroethene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,2-Dichloroethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,2-Dichloroethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	1,2-Dichloropropane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	1,2-Dichloropropane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	2-Butanone	3	µg/kg	B J
FE0109SS1B	60906213	Soil	Old Fly Ash Area	2-Butanone	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	2-Butanone	35	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	2-Butanone	11	µg/kg	B
FE0112SS1B	60906216	Soil	Old Fly Ash Area	2-Butanone	10	µg/kg	B
FE0113SS1B	60906217	Soil	Old Fly Ash Area	2-Butanone	8	µg/kg	B J
FE0114SS1B	60906218	Soil	Old Fly Ash Area	2-Butanone	10	µg/kg	B
FE0115SS1B	60906219	Soil	Old Fly Ash Area	2-Butanone	4	µg/kg	B J
FE1012IS3B	86-7006	Soil	Test Pit, 15	2-Butanone	4	µg/kg	BJ
FE0108SS1B	60906212	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0110SS1B	60906214	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	2-Hexanone	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	2-Hexanone	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	4-Methyl-2-Pentanone	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	4-Methyl-2-Pentanone	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Acetone	7	µg/kg	B J
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Acetone	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Acetone	180	µg/kg	Z5
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Acetone	100	µg/kg	Z5
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Acetone	120	µg/kg	Z5
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Acetone	24	µg/kg	B
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Acetone	21	µg/kg	B
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Acetone	16	µg/kg	B
FE1012IS3B	86-7006	Soil	Test Pit, 15	Acetone	22	µg/kg	B
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Benzene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Benzene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Bromodichloromethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Bromodichloromethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Bromoform	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Bromoform	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Bromomethane	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Bromomethane	<10	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Carbon Disulfide	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Carbon Disulfide	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Carbon Tetrachloride	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Carbon Tetrachloride	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Chlorobenzene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Chlorobenzene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Chloroethane	< 10	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1012IS3B	86-7006	Soil	Test Pit, 15	Chloroethane	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Chloroform	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Chloroform	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Chloroform	10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Chloroform	4	µg/kg	B J
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Chloroform	4	µg/kg	B J
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Chloroform	4	µg/kg	B J
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Chloroform	2	µg/kg	B J
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Chloroform	3	µg/kg	B J
FE1012IS3B	86-7006	Soil	Test Pit, 15	Chloroform	6	µg/kg	B
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Chloromethane	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Chloromethane	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Chloromethane	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Dibromochloromethane	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Dibromochloromethane	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Ethylbenzene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Ethylbenzene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Methylene Chloride	32	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Methylene Chloride	18	µg/kg	B
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Methylene Chloride	280	µg/kg	Z5
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Methylene Chloride	100	µg/kg	Z5
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Methylene Chloride	84	µg/kg	Z5
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Methylene Chloride	42	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Methylene Chloride	30	µg/kg	B
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Methylene Chloride	51	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Methylene Chloride	12	µg/kg	B
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Styrene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Styrene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Tetrachloroethene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Tetrachloroethene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Toluene	7	µg/kg	B
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Toluene	4	µg/kg	B J
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Toluene	26	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Toluene	20	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Toluene	13	µg/kg	B
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Toluene	10	µg/kg	B
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Toluene	6	µg/kg	B
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Toluene	4	µg/kg	B J
FE1012IS3B	86-7006	Soil	Test Pit, 15	Toluene	2	µg/kg	BJ
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Total Xylenes	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Total Xylenes	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Trichloroethene	< 5	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Trichloroethene	<5	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Vinyl Acetate	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Vinyl Acetate	<10	µg/kg	
FE0108SS1B	60906212	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0109SS1B	60906213	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0110SS1B	60906214	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0111SS1B	60906215	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0112SS1B	60906216	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0113SS1B	60906217	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0114SS1B	60906218	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE0115SS1B	60906219	Soil	Old Fly Ash Area	Vinyl Chloride	< 10	µg/kg	
FE1012IS3B	86-7006	Soil	Test Pit, 15	Vinyl Chloride	<10	µg/kg	
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	1.2 ± 0.1	pCi/g	
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	0.75 ±0.11	pCi/g	
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	3.0 ± 0.1	pCi/g	
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	1.2 ± 0.04	pCi/g	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	0.87 ± 0.05	pCi/g	
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	1.0 ± 0.1	pCi/g	
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	1.0 ± 0.1	pCi/g	
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	Bi-214	0.92 ± 0.08	pCi/g	
FE1011IS1B	87-4001	Soil	Test Pit, 14	Bi-214	3.2 ± 0.1	pCi/g	
FE1011IS2B	87-4001	Soil	Test Pit, 14	Bi-214	1.0 ± 0.1	pCi/g	
FE1012IS1B	87-4001	Soil	Test Pit, 15	Bi-214	1.1 ± 0.1	pCi/g	
FE1012IS2B	87-4001	Soil	Test Pit, 15	Bi-214	1.2 ± 0.1	pCi/g	
FE1013IS1B	87-4001	Soil	Test Pit, 16	Bi-214	1.1 ± 0.1	pCi/g	
FE1013IS2B	87-4001	Soil	Test Pit, 16	Bi-214	1.4 ± 0.1	pCi/g	
FE1014IS1B	87-4001	Soil	Test Pit, 17	Bi-214	1.7 ± 0.1	pCi/g	
FE1014IS2B	87-4001	Soil	Test Pit, 17	Bi-214	1.5 ± 0.1	pCi/g	
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.74 ± 0.07	pCi/g	
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.46 ±0.07	pCi/g	
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	B	pCi/g	
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.07 ± 0.02	pCi/g	
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.08 ± 0.02	pCi/g	
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.44 ± 0.04	pCi/g	
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	B	pCi/g	
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	Cs-137	0.24 ± 0.03	pCi/g	
FE1011IS1B	87-4001	Soil	Test Pit, 14	Cs-137	B	pCi/g	
FE1011IS2B	87-4001	Soil	Test Pit, 14	Cs-137	B	pCi/g	
FE1012IS1B	87-4001	Soil	Test Pit, 15	Cs-137	B	pCi/g	
FE1012IS2B	87-4001	Soil	Test Pit, 15	Cs-137	B	pCi/g	
FE1013IS1B	87-4001	Soil	Test Pit, 16	Cs-137	B	pCi/g	
FE1013IS2B	87-4001	Soil	Test Pit, 16	Cs-137	B	pCi/g	
FE1014IS1B	87-4001	Soil	Test Pit, 17	Cs-137	B	pCi/g	
FE1014IS2B	87-4001	Soil	Test Pit, 17	Cs-137	B	pCi/g	
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	1.2 ± 0.1	pCi/g	G
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	0.77 ± 0.08	pCi/g	G
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	3.0 ± 0.2	pCi/g	G
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	1.2 ± 0.1	pCi/g	G
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	0.87 ± 0.10	pCi/g	G
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	0.89 ± 0.06	pCi/g	G
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	1.0 ± 0.1	pCi/g	G

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	Ra-226	0.85 ± 0.06	pCi/g	G
FE1011IS1B	87-4001	Soil	Test Pit, 14	Ra-226	3.6 ± 0.2	pCi/g	G
FE1011IS2B	87-4001	Soil	Test Pit, 14	Ra-226	0.94 ± 0.10	pCi/g	G
FE1012IS1B	87-4001	Soil	Test Pit, 15	Ra-226	1.1 ± 0.1	pCi/g	G
FE1012IS2B	87-4001	Soil	Test Pit, 15	Ra-226	1.3 ± 0.1	pCi/g	G
FE1013IS1B	87-4001	Soil	Test Pit, 16	Ra-226	1.1 ± 0.1	pCi/g	G
FE1013IS2B	87-4001	Soil	Test Pit, 16	Ra-226	1.4 ± 0.1	pCi/g	G
FE1014IS1B	87-4001	Soil	Test Pit, 17	Ra-226	1.7 ± 0.1	pCi/g	G
FE1014IS2B	87-4001	Soil	Test Pit, 17	Ra-226	1.4 ± 0.1	pCi/g	G
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.5 ± 0.2	pCi/g	G
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.3 ± 0.2	pCi/g	G
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	2.6 ± 0.1	pCi/g	G
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.0 ± 0.05	pCi/g	G
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	0.92 ± 0.05	pCi/g	G
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.2 ± 0.1	pCi/g	G
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.0 ± 0.1	pCi/g	G
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	Th-228	1.1 ± 0.1	pCi/g	G
FE1011IS1B	87-4001	Soil	Test Pit, 14	Th-228	1.1 ± 0.1	pCi/g	G
FE1011IS2B	87-4001	Soil	Test Pit, 14	Th-228	1.0 ± 0.2	pCi/g	G
FE1012IS1B	87-4001	Soil	Test Pit, 15	Th-228	1.6 ± 0.1	pCi/g	G
FE1012IS2B	87-4001	Soil	Test Pit, 15	Th-228	2.4 ± 0.1	pCi/g	G
FE1013IS1B	87-4001	Soil	Test Pit, 16	Th-228	1.2 ± 0.1	pCi/g	G
FE1013IS2B	87-4001	Soil	Test Pit, 16	Th-228	1.4 ± 0.1	pCi/g	G
FE1014IS1B	87-4001	Soil	Test Pit, 17	Th-228	1.1 ± 0.1	pCi/g	G
FE1014IS2B	87-4001	Soil	Test Pit, 17	Th-228	0.91 ± 0.05	pCi/g	G
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.3 ± 0.2	pCi/g	G
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.2 ± 0.2	pCi/g	G
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	2.7 ± 0.1	pCi/g	G
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.1 ± 0.1	pCi/g	G
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	0.84 ± 0.06	pCi/g	G
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.0 ± 0.1	pCi/g	G
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.0 ± 0.1	pCi/g	G
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	Th-232	1.1 ± 0.1	pCi/g	G
FE1011IS1B	87-4001	Soil	Test Pit, 14	Th-232	1.2 ± 0.3	pCi/g	G
FE1011IS2B	87-4001	Soil	Test Pit, 14	Th-232	1.4 ± 0.2	pCi/g	G

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1012IS1B	87-4001	Soil	Test Pit, 15	Th-232	1.5 ± 0.1	pCi/g	G
FE1012IS2B	87-4001	Soil	Test Pit, 15	Th-232	2.5 ± 0.2	pCi/g	G
FE1013IS1B	87-4001	Soil	Test Pit, 16	Th-232	0.84 ± 0.05	pCi/g	G
FE1013IS2B	87-4001	Soil	Test Pit, 16	Th-232	1.3 ± 0.1	pCi/g	G
FE1014IS1B	87-4001	Soil	Test Pit, 17	Th-232	1.3 ± 0.1	pCi/g	G
FE1014IS2B	87-4001	Soil	Test Pit, 17	Th-232	0.9 ± 0.06	pCi/g	G
FE0108SS2B	86-0709-13	Soil	Old Fly Ash Area	Total U	8.8	mg/kg	
FE0109SS2B	86-0709-09	Soil	Old Fly Ash Area	Total U	57.0	mg/kg	
FE0110SS2B	86-0709-04	Soil	Old Fly Ash Area	Total U	7.4	mg/kg	
FE0111SS2B	86-0709-15	Soil	Old Fly Ash Area	Total U	4.8	mg/kg	
FE0112SS2B	86-0709-12	Soil	Old Fly Ash Area	Total U	16.0	mg/kg	
FE0113SS2B	86-0709-07	Soil	Old Fly Ash Area	Total U	9.7	mg/kg	
FE0114SS2B	86-0709-01	Soil	Old Fly Ash Area	Total U	4.5	mg/kg	
FE0115SS2B	86-0709-11	Soil	Old Fly Ash Area	Total U	58.0	mg/kg	
FE1011IS1B	87-0116-02	Soil	Test Pit, 14	Total U	71.0	mg/kg	
FE1011IS2B	87-0116-03	Soil	Test Pit, 14	Total U	2.1	mg/kg	
FE1012IS1B	87-0116-04	Soil	Test Pit, 15	Total U	15.0	mg/kg	
FE1012IS2B	87-0116-05	Soil	Test Pit, 15	Total U	56.0	mg/kg	
FE1013IS1B	87-0116-10	Soil	Test Pit, 16	Total U	85.0	mg/kg	
FE1013IS2B	87-0116-11	Soil	Test Pit, 16	Total U	2.9	mg/kg	
FE1014IS1B	87-0116-06	Soil	Test Pit, 17	Total U	14.0	mg/kg	
FE1014IS2B	87-0116-07	Soil	Test Pit, 17	Total U	12.0	mg/kg	
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	U-235	A	pCi/g	
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	U-235	A	pCi/g	
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	U-235	A	pCi/g	
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	U-235	0.16 ± 0.01	pCi/g	
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	U-235	0.3 ± 0.02	pCi/g	
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	U-235	A	pCi/g	
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	U-235	A	pCi/g	
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	U-235	0.79 ± 0.03	pCi/g	
FE1011IS1B	87-4001	Soil	Test Pit, 14	U-235	0.83 ± 0.02	pCi/g	
FE1011IS2B	87-4001	Soil	Test Pit, 14	U-235	0.14 ± 0.02	pCi/g	
FE1012IS1B	87-4001	Soil	Test Pit, 15	U-235	0.16 ± 0.01	pCi/g	
FE1012IS2B	87-4001	Soil	Test Pit, 15	U-235	0.30	pCi/g	
FE1013IS1B	87-4001	Soil	Test Pit, 16	U-235	0.63 ± 0.01	pCi/g	

Table E.6.2 (Cont.) Environmental Problem 6 South of Production Area Soil Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE1013IS2B	87-4001	Soil	Test Pit, 16	U-235	0.07 ± 0.01	pCi/g	
FE1014IS1B	87-4001	Soil	Test Pit, 17	U-235	0.19 ± 0.01	pCi/g	
FE1014IS2B	87-4001	Soil	Test Pit, 17	U-235	0.15 ± 0.01	pCi/g	
FE0108SS3B	87-4001	Soil	Old Fly Ash Area	U-238	53 ± 8	pCi/g	
FE0109SS3B	87-4001	Soil	Old Fly Ash Area	U-238	37 ± 8	pCi/g	
FE0110SS3B	87-4001	Soil	Old Fly Ash Area	U-238	A	pCi/g	
FE0111SS3B	87-4001	Soil	Old Fly Ash Area	U-238	A	pCi/g	
FE0112SS3B	87-4001	Soil	Old Fly Ash Area	U-238	7.9 ± 2.3	pCi/g	
FE0113SS3B	87-4001	Soil	Old Fly Ash Area	U-238	A	pCi/g	
FE0114SS3B	87-4001	Soil	Old Fly Ash Area	U-238	A	pCi/g	
FE0115SS3B	87-4001	Soil	Old Fly Ash Area	U-238	29 ± 6	pCi/g	
FE1011IS1B	87-4001	Soil	Test Pit, 14	U-238	46 ± 5	pCi/g	
FE1011IS2B	87-4001	Soil	Test Pit, 14	U-238	A	pCi/g	
FE1012IS1B	87-4001	Soil	Test Pit, 15	U-238	A	pCi/g	
FE1012IS2B	87-4001	Soil	Test Pit, 15	U-238	20 ± 4	pCi/g	
FE1013IS1B	87-4001	Soil	Test Pit, 16	U-238	49 ± 3	pCi/g	
FE1013IS2B	87-4001	Soil	Test Pit, 16	U-238	A	pCi/g	
FE1014IS1B	87-4001	Soil	Test Pit, 17	U-238	12 ± 3	pCi/g	
FE1014IS2B	87-4001	Soil	Test Pit, 17	U-238	9 ± 2	pCi/g	

Table E.7.1 Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Ag	< 0.1	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Ag	< 0.1	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Ag	< 0.1	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Ag	< 0.1	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	As	< 0.5	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	As	< 0.5	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	As	< 0.5	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	As	< 0.5	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Ba	0.37	mg/L	B
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Ba	0.77	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Ba	0.28	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Ba	0.43	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Ba	0.31	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Ba	0.23	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Ba	1.68	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Ba	1.62	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Ba	1.02	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Ba	0.39	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Cd	< 0.02	mg/L	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Cd	< 0.02	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Cd	< 0.02	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Cd	< 0.02	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Cr	< 0.03	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Cr	< 0.03	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Cr	< 0.03	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Cr	< 0.03	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Hg	< 0.001	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Hg	< 0.001	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Hg	< 0.001	mg/L	
FE0413SE2B	87-0127-18	Sediment	Paddy's Run	Hg	< 0.001	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Pb	< 0.3	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Pb	< 0.3	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Pb	< 0.3	mg/L	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Pb	< 0.3	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Pb	< 0.3	mg/L	
FE0401SE2B	87-0103-17	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0402SE2B	87-0127-10	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0404SE2B	87-0127-11	Sediment	S.S. Runoff Ditch	Se	< 0.5	mg/L	
FE0405SE2B	87-0127-12	Sediment	S.S. Runoff Ditch	Se	< 0.5	mg/L	
FE0408SE2B	87-0127-13	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0409SE2B	87-0127-14	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0410SE2B	87-0127-15	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0411SE2B	87-0127-16	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0412SE2B	87-0127-17	Sediment	K-65 Ditch	Se	< 0.5	mg/L	
FE0413SE1B	87-0127-18	Sediment	Paddy's Run	Se	< 0.5	mg/L	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0402SE1B	60906221	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,1,2-Trichloroethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,1,2-Trichloroethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,1,2-Trichloroethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,1-Dichloroethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,1-Dichloroethene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0409SE1B	60906227	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,2-Dichloroethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	1,2-Dichloropropane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	2-Butanone	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	2-Butanone	4	ug/kg	B J
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	2-Butanone	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	2-Butanone	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	2-Butanone	10	ug/kg	B
FE0409SE1B	60906227	Sediment	Paddy's Run	2-Butanone	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	2-Butanone	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	2-Butanone	5	ug/kg	J
FE0412SE1B	60906230	Sediment	K-65 Ditch	2-Butanone	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	2-Butanone	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0413SE1B	60906231	Sediment	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	2-Hexanone	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	2-Hexanone	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	2-Hexanone	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	2-Hexanone	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Acetone	120	ug/kg	Z6
FE0402SE1B	60906221	Sediment	Paddy's Run	Acetone	27	ug/kg	B
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Acetone	55	ug/kg	B
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Acetone	230	ug/kg	Z6
FE0408SE1B	60906226	Sediment	Paddy's Run	Acetone	14	ug/kg	B
FE0409SE1B	60906227	Sediment	Paddy's Run	Acetone	12	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Acetone	27	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Acetone	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Acetone	52	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Acetone	36	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Benzene	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Benzene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Benzene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Benzene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Bromodichloromethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Bromodichloromethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Bromodichloromethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Bromodichloromethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Bromoform	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Bromoform	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Bromoform	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Bromoform	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Bromomethane	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Bromomethane	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE1B	60906229	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Bromomethane	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Bromomethane	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Carbon Disulfide	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Carbon Disulfide	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Carbon Disulfide	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Carbon Disulfide	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Carbon Tetrachloride	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Chlorobenzene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Chlorobenzene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Chlorobenzene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Chlorobenzene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0402SE1B	60906221	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Chloroethane	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Chloroethane	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Chloroethane	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Chloroethane	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Chloroform	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Chloroform	2.0	ug/kg	B J
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Chloroform	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Chloroform	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Chloroform	3.0	ug/kg	B J
FE0409SE1B	60906227	Sediment	Paddy's Run	Chloroform	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Chloroform	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Chloroform	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Chloroform	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Chloroform	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Chloromethane	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Chloromethane	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Chloromethane	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Chloromethane	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0409SE1B	60906227	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Dibromochloromethane	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Dibromochloromethane	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Dibromochloromethane	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Dibromochloromethane	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Ethylbenzene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Ethylbenzene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Ethylbenzene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Ethylbenzene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Methylene Chloride	52	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Methylene Chloride	9	ug/kg	B
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Methylene Chloride	32	ug/kg	B
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Methylene Chloride	55	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Methylene Chloride	30	ug/kg	B
FE0409SE1B	60906227	Sediment	Paddy's Run	Methylene Chloride	21	ug/kg	B
FE0410SE1B	60906228	Sediment	Paddy's Run	Methylene Chloride	10	ug/kg	B
FE0411SE1B	60906229	Sediment	Paddy's Run	Methylene Chloride	13	ug/kg	B
FE0412SE1B	60906230	Sediment	K-65 Ditch	Methylene Chloride	12	ug/kg	B

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0413SE1B	60906231	Sediment	Paddy's Run	Methylene Chloride	14	ug/kg	B
FE0401SE1B	60906220	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Styrene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Styrene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Styrene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Styrene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Tetrachloroethene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Tetrachloroethene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Tetrachloroethene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Tetrachloroethene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Toluene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Toluene	3	ug/kg	B J
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Toluene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Toluene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Toluene	4	ug/kg	B J
FE0409SE1B	60906227	Sediment	Paddy's Run	Toluene	3	ug/kg	B J
FE0410SE1B	60906228	Sediment	Paddy's Run	Toluene	2	ug/kg	B J
FE0411SE1B	60906229	Sediment	Paddy's Run	Toluene	2	ug/kg	B J
FE0412SE1B	60906230	Sediment	K-65 Ditch	Toluene	2	ug/kg	B J
FE0413SE1B	60906231	Sediment	Paddy's Run	Toluene	2	ug/kg	B J
FE0401SE1B	60906220	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Total Xylenes	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Total Xylenes	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Total Xylenes	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Total Xylenes	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Trichloroethene	< 5	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Trichloroethene	< 5	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE1B	60906229	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Trichloroethene	< 5	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Trichloroethene	< 5	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Vinyl Acetate	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Vinyl Acetate	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Vinyl Acetate	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Vinyl Acetate	< 10	ug/kg	
FE0401SE1B	60906220	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0402SE1B	60906221	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0404SE1B	60906222	Sediment	S.S. Runoff Ditch	Vinyl Chloride	< 10	ug/kg	
FE0405SE1B	60906223	Sediment	S.S. Runoff Ditch	Vinyl Chloride	< 10	ug/kg	
FE0408SE1B	60906226	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0409SE1B	60906227	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0410SE1B	60906228	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0411SE1B	60906229	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0412SE1B	60906230	Sediment	K-65 Ditch	Vinyl Chloride	< 10	ug/kg	
FE0413SE1B	60906231	Sediment	Paddy's Run	Vinyl Chloride	< 10	ug/kg	
FE0401SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.58 ± 0.13	pCi/g	
FE0402SE3B	87-4001	Sediment	Paddy's Run	Bi-214	1.1 ± 0.1	pCi/g	
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Bi-214	0.41 ± 0.04	pCi/g	
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	Bi-214	0.59 ± 0.07	pCi/g	
FE0408SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.48 ± 0.06	pCi/g	
FE0409SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.47 ± 0.08	pCi/g	
FE0410SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.71 ± 0.04	pCi/g	
FE0411SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.81 ± 0.08	pCi/g	
FE0412SE3B	87-4001	Sediment	K-65 Ditch	Bi-214	1.6 ± 0.01	pCi/g	
FE0413SE3B	87-4001	Sediment	Paddy's Run	Bi-214	0.51 ± 0.07	pCi/g	
FE0401SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0402SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Cs-137	B	pCi/g	
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	Cs-137	B	pCi/g	
FE0408SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	
FE0409SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	
FE0410SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	
FE0411SE3B	87-4001	Sediment	Paddy's Run	Cs-137	0.04 ± 0.01	pCi/g	
FE0412SE3B	87-4001	Sediment	K-65 Ditch	Cs-137	0.14 ± 0.03	pCi/g	
FE0413SE3B	87-4001	Sediment	Paddy's Run	Cs-137	B	pCi/g	
FE0401SE4B	8100612	Sediment	Paddy's Run	Np-237	2.3 ± 0.2	pCi/g	
FE0402SE4B	8100612	Sediment	Paddy's Run	Np-237	0.9 ± 0.1	pCi/g	
FE0404SE3B	87-4009	Sediment	S.S. Runoff Ditch	Np-237	0.14 ± 0.02	pCi/g	
FE0408SE4B	8100612	Sediment	Paddy's Run	Np-237	0.9 ± 0.1	pCi/g	
FE0409SE4B	8100612	Sediment	Paddy's Run	Np-237	0.7 ± 0.1	pCi/g	
FE0410SE4B	8100612	Sediment	Paddy's Run	Np-237	0.3 ± 0.1	pCi/g	
FE0411SE3B	8100612	Sediment	Paddy's Run	Np-237	2.4 ± 0.2	pCi/g	
FE0412SE4B	8100612	Sediment	K-65 Ditch	Np-237	2.8 ± 0.2	pCi/g	
FE0413SE3B	8100612	Sediment	Paddy's Run	Np-237	2.2 ± 0.3	pCi/g	
FE0401SE4B	8100612	Sediment	Paddy's Run	Pu-238	1.3 ± 0.2	pCi/g	
FE0402SE4B	8100612	Sediment	Paddy's Run	Pu-238	0.8 ±0.1	pCi/g	
FE0404SE3B	87-4009	Sediment	S.S. Runoff Ditch	Pu-238	< 0.02	pCi/g	
FE0408SE4B	8100612	Sediment	Paddy's Run	Pu-238	1.6 ± 0.1	pCi/g	
FE0409SE4B	8100612	Sediment	Paddy's Run	Pu-238	1.5 ± 0.1	pCi/g	
FE0410SE4B	8100612	Sediment	Paddy's Run	Pu-238	1.9 ± 0.3	pCi/g	
FE0411SE3B	8100612	Sediment	Paddy's Run	Pu-238	1.5 ± 0.1	pCi/g	
FE0412SE4B	8100612	Sediment	K-65 Ditch	Pu-238	1.1 ± 0.1	pCi/g	
FE0413SE3B	8100612	Sediment	Paddy's Run	Pu-238	1.4 ± 0.2	pCi/g	
FE0401SE4B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	
FE0402SE4B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.1 ± 0.1	pCi/g	
FE0404SE3B	87-4009	Sediment	S.S. Runoff Ditch	Pu-239 + Pu-240	< 0.01	pCi/g	
FE0408SE4B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	
FE0409SE4B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	
FE0410SE4B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	
FE0411SE3B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0412SE4B	8100612	Sediment	K-65 Ditch	Pu-239 + Pu-240	0.2 ± 0.1	pCi/g	
FE0413SE3B	8100612	Sediment	Paddy's Run	Pu-239 + Pu-240	0.4 ± 0.1	pCi/g	
FE0404SE3B	87-4009	Sediment	S.S. Runoff Ditch	Pu-241 + Pu-242	< 0.01	pCi/g	
FE0401SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.68 ± 0.11	pCi/g	G
FE0401SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.82± 0.03	pCi/g	K
FE0402SE3B	87-4001	Sediment	Paddy's Run	Ra-226	1.3 ± 0.1	pCi/g	G
FE0402SE4B	87-4001	Sediment	Paddy's Run	Ra-226	1.27 ± 0.05	pCi/g	K
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Ra-226	0.49 ± 0.04	pCi/g	G
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Ra-226	0.75 ± 0.04	pCi/g	K
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	Ra-226	0.43 ± 0.05	pCi/g	G
FE0408SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.58 ± 0.05	pCi/g	G
FE0408SE4B	87-4001	Sediment	Paddy's Run	Ra-226	0.61 ± 0.03	pCi/g	K
FE0409SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.39 ± 0.05	pCi/g	G
FE0409SE4B	87-4008	Sediment	Paddy's Run	Ra-226	0.59 ± 0.03	pCi/g	K
FE0410SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.58 ± 0.10	pCi/g	G
FE0410SE3	87-4001	Sediment	Paddy's Run	Ra-226	0.82 ± 0.04	pCi/g	K
FE0411SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.53 ± 0.06	pCi/g	G
FE0411SE3	87-4001	Sediment	Paddy's Run	Ra-226	0.66 = 0.04	pCi/g	K
FE0412SE3B	87-4001	Sediment	K-65 Ditch	Ra-226	1.3 ± 0.06	pCi/g	G
FE0412SE4B	87-4001	Sediment	K-65 Ditch	Ra-226	0.69 ± 0.05	pCi/g	K
FE0413SE3B	87-4001	Sediment	Paddy's Run	Ra-226	0.64 ± 0.05	pCi/g	G
FE0401SE3B	87-4001	Sediment	Paddy's Run	Ra-228	0.51± 0.03	pCi/g	K
FE0402SE4B	87-4001	Sediment	Paddy's Run	Ra-228	0.95 ± 0.05	pCi/g	K
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Ra-228	0.57 ± 0.04	pCi/g	K
FE0408SE4B	87-4001	Sediment	Paddy's Run	Ra-228	0.35 ± 0.03	pCi/g	K
FE0409SE4B	87-4008	Sediment	Paddy's Run	Ra-228	0.43 ± 0.03	pCi/g	K
FE0410SE3	87-4001	Sediment	Paddy's Run	Ra-228	0.73 ± 0.04	pCi/g	K
FE0411SE3	87-4001	Sediment	Paddy's Run	Ra-228	0.46 = 0.04	pCi/g	K
FE0412SE4B	87-4001	Sediment	K-65 Ditch	Ra-228	0.36 ± 0.17	pCi/g	K
FE0401SE4B	8100638	Sediment	Paddy's Run	Th-227	0.2 ± 0.1	pCi/g	A
FE0402SE4B	8100638	Sediment	Paddy's Run	Th-227	0.2 ± 0.1	pCi/g	A
FE0408SE4B	8100638	Sediment	Paddy's Run	Th-227	0.2 ± 0.1	pCi/g	A
FE0409SE4B	8100638	Sediment	Paddy's Run	Th-227	2.7 ± 0.4	pCi/g	A
FE0410SE4B	8100638	Sediment	Paddy's Run	Th-227	0.2 ± 0.1	pCi/g	A

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE3B	8100638	Sediment	Paddy's Run	Th-227	0.6 ± 0.2	pCi/g	A
FE0412SE4B	8100638	Sediment	K-65 Ditch	Th-227	0.5 ± 0.1	pCi/g	A
FE0413SE3B	8100638	Sediment	Paddy's Run	Th-227	1.3 ± 0.1	pCi/g	A
FE0401SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.73 ± 0.19	pCi/g	G
FE0401SE4B	8100638	Sediment	Paddy's Run	Th-228	0.3 ± 0.1	pCi/g	A
FE0402SE3B	87-4001	Sediment	Paddy's Run	Th-228	1.2 ± 0.1	pCi/g	G
FE0402SE4B	8100638	Sediment	Paddy's Run	Th-228	0.4 ± 0.1	pCi/g	A
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Th-228	0.51 ± 0.04	pCi/g	G
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	Th-228	0.49 ± 0.10	pCi/g	G
FE0408SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.61 ± 0.09	pCi/g	G
FE0408SE4B	8100638	Sediment	Paddy's Run	Th-228	0.1 ± 0.1	pCi/g	A
FE0409SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.32 ± 0.08	pCi/g	G
FE0409SE4B	8100638	Sediment	Paddy's Run	Th-228	0.4 ± 0.1	pCi/g	A
FE0410SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.73 ± 0.05	pCi/g	G
FE0410SE4B	8100638	Sediment	Paddy's Run	Th-228	0.3 ± 0.1	pCi/g	A
FE0411SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.57 ± 0.07	pCi/g	G
FE0411SE3B	8100638	Sediment	Paddy's Run	Th-228	0.8 ± 0.2	pCi/g	A
FE0412SE3B	87-4001	Sediment	K-65 Ditch	Th-228	2.0 ± 0.1	pCi/g	G
FE0412SE4B	8100638	Sediment	K-65 Ditch	Th-228	1.1 ± 0.1	pCi/g	A
FE0413SE3B	87-4001	Sediment	Paddy's Run	Th-228	0.6 ± 0.1	pCi/g	G
FE0413SE3B	8100638	Sediment	Paddy's Run	Th-228	0.6 ± 0.1	pCi/g	A
FE0401SE4B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0402SE4B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0408SE4B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0409SE4B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0410SE4B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0411SE3B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0412SE4B	8100638	Sediment	K-65 Ditch	Th-229	< 0.1	pCi/g	A
FE0413SE3B	8100638	Sediment	Paddy's Run	Th-229	< 0.1	pCi/g	A
FE0401SE4B	8100638	Sediment	Paddy's Run	Th-230	0.2 ± 0.1	pCi/g	A
FE0402SE4B	8100638	Sediment	Paddy's Run	Th-230	1.4 ± 0.1	pCi/g	A
FE0408SE4B	8100638	Sediment	Paddy's Run	Th-230	0.4 ± 0.1	pCi/g	A
FE0409SE4B	8100638	Sediment	Paddy's Run	Th-230	0.5 ± 0.1	pCi/g	A
FE0410SE4B	8100638	Sediment	Paddy's Run	Th-230	1.2 ± 0.1	pCi/g	A

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE3B	8100638	Sediment	Paddy's Run	Th-230	14 ± 1	pCi/g	A
FE0412SE4B	8100638	Sediment	K-65 Ditch	Th-230	6.2 ± 0.3	pCi/g	A
FE0413SE3B	8100638	Sediment	Paddy's Run	Th-230	8.3 ± 0.4	pCi/g	A
FE0401SE3B	87-4001	Sediment	Paddy's Run	Th-232	0.55 ± 0.23	pCi/g	G
FE0401SE4B	8100638	Sediment	Paddy's Run	Th-232	0.2 ± 0.1	pCi/g	A
FE0402SE3B	87-4001	Sediment	Paddy's Run	Th-232	1.1 ± 0.2	pCi/g	G
FE0402SE4B	8100638	Sediment	Paddy's Run	Th-232	0.2 ± 0.1	pCi/g	A
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	Th-232	0.45 ± 0.04	pCi/g	G
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	Th-232	0.57 ± 0.12	pCi/g	G
FE0408SE3B	87-4001	Sediment	Paddy's Run	Th-232	B	pCi/g	G
FE0408SE4B	8100638	Sediment	Paddy's Run	Th-232	0.1 ± 0.1	pCi/g	A
FE0409SE3B	87-4001	Sediment	Paddy's Run	Th-232	B	pCi/g	G
FE0409SE4B	8100638	Sediment	Paddy's Run	Th-232	0.2 ± 0.1	pCi/g	A
FE0410SE3B	87-4001	Sediment	Paddy's Run	Th-232	0.64 ± 0.05	pCi/g	G
FE0410SE4B	8100638	Sediment	Paddy's Run	Th-232	0.3 ± 0.1	pCi/g	A
FE0411SE3B	87-4001	Sediment	Paddy's Run	Th-232	0.49 ± 0.06	pCi/g	G
FE0411SE3B	8100638	Sediment	Paddy's Run	Th-232	0.8 ± 0.2	pCi/g	A
FE0412SE3B	87-4001	Sediment	K-65 Ditch	Th-232	1.9 ± 0.2	pCi/g	G
FE0412SE4B	8100638	Sediment	K-65 Ditch	Th-232	1.0 ± 0.1	pCi/g	A
FE0413SE3B	87-4001	Sediment	Paddy's Run	Th-232	0.54 ± 0.12	pCi/g	G
FE0413SE3B	8100638	Sediment	Paddy's Run	Th-232	0.5 ± 0.1	pCi/g	A
FE0401SE2B	86-0709-17	Sediment	Paddy's Run	Total U	10.0	mg/kg	
FE0402SE2B	87-0006-10	Sediment	Paddy's Run	Total U	12.0	mg/kg	
FE0404SE2B	87-0006-11	Sediment	S.S. Runoff Ditch	Total U	24.0	mg/kg	
FE0405SE2B	87-0006-12	Sediment	S.S. Runoff Ditch	Total U	22.0	mg/kg	
FE0408SE2B	87-0006-13	Sediment	Paddy's Run	Total U	6.3	mg/kg	
FE0409SE2B	87-0006-14	Sediment	Paddy's Run	Total U	10.0	mg/kg	
FE0410SE2B	87-0006-15	Sediment	Paddy's Run	Total U	1.4	mg/kg	
FE0411SE2B	87-0006-16	Sediment	Paddy's Run	Total U	2.0	mg/kg	
FE0412SE2B	87-0006-17	Sediment	K-65 Ditch	Total U	176.0	mg/kg	
FE0413SE2B	87-0006-18	Sediment	Paddy's Run	Total U	38.0	mg/kg	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-234	0.006 ± 0.003	Atom %	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-234	0.006 ± 0.003	Weight %	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-234	0.005 ± 0.003	Atom %	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-234	0.005 ± 0.003	Weight %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-234	< 0.005	Atom %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-234	< 0.005	Weight %	
FE0401SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0402SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-235	0.591 ± 0.001	Weight %	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-235	0.599 ± 0.001	Atom %	
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	U-235	0.26 ± 0.01	pCi/g	
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	U-235	A	pCi/g	
FE0408SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0409SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0410SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0411SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-235	0.744 ± 0.001	Weight %	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-235	0.753 ± 0.001	Atom %	
FE0412SE3B	87-4001	Sediment	K-65 Ditch	U-235	1.3 ± 0.03	pCi/g	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-235	0.490 ± 0.003	Weight %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-235	0.496 ± 0.005	Atom %	
FE0413SE3B	87-4001	Sediment	Paddy's Run	U-235	A	pCi/g	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-236	0.012 ± 0.003	Atom %	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-236	0.012 ± 0.003	Weight %	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-236	< 0.004	Atom %	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-236	< 0.004	Weight %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-236	0.013 ± 0.006	Atom %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-236	0.013 ± 0.006	Weight %	
FE0401SE3B	87-4001	Sediment	Paddy's Run	U-238	A	pCi/g	
FE0402SE3B	87-4001	Sediment	Paddy's Run	U-238	A	pCi/g	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-238	99.383 ± 0.008	Atom %	
FE0404SE2B	87-0136-01	Sediment	S.S. Runoff Ditch	U-238	99.391 ± 0.008	Weight %	
FE0404SE3B	87-4001	Sediment	S.S. Runoff Ditch	U-238	12 ± 2	pCi/g	
FE0405SE3B	87-4001	Sediment	S.S. Runoff Ditch	U-238	A	pCi/g	
FE0408SE3B	87-4001	Sediment	Paddy's Run	U-238	A	pCi/g	
FE0409SE3B	87-4001	Sediment	Paddy's Run	U-238	18 ± 4	pCi/g	
FE0410SE3B	87-4001	Sediment	Paddy's Run	U-238	A	pCi/g	

Table E.7.1 (Cont.) Environmental Problem 7 Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0411SE3B	87-4001	Sediment	Paddy's Run	U-238	B	pCi/g	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-238	99.241 ± 0.008	Atom %	
FE0412SE2B	87-0136-02	Sediment	K-65 Ditch	U-238	99.251 ± 0.008	Weight %	
FE0412SE3B	87-4001	Sediment	K-65 Ditch	U-238	54 ± 6	pCi/g	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-238	99.49 ± 0.002	Atom %	
FE0413SE2B	87-0136-03	Sediment	Paddy's Run	U-238	99.497 ± 0.002	Weight %	
FE0413SE3B	87-4001	Sediment	Paddy's Run	U-238	41 ± 6	pCi/g	

Table E.7.2 Environmental Problem 7 Surface Water Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Ag	< 0.1	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Ag	< 0.1	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Ag	< 0.1	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	As	< 0.5	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	As	< 0.5	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	As	< 0.5	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Ba	0.51	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Ba	0.29	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Ba	0.45	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Cd	< 0.02	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Cd	< 0.02	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Cd	< 0.02	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Cr	< 0.03	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Cr	< 0.03	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Cr	< 0.03	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Hg	< 0.001	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Hg	< 0.001	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Hg	< 0.001	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Pb	< 0.3	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Pb	< 0.3	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Pb	< 0.3	mg/L	
FE0119SS1B	87-0127-04	Soil	Pit 5 Ditch	Se	< 0.5	mg/L	
FE0120SS1B	87-0127-05	Soil	Pit 5 Ditch	Se	< 0.5	mg/L	
FE0121SS1B	87-0127-06	Soil	Pit 5 Ditch	Se	< 0.5	mg/L	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,1,1-Trichloroethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,1,2,2-Tetrachloroethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,1,2-Trichloroethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,1,2-Trichloroethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,1,2-Trichloroethane	< 5	ug/kg	

Table E.7.2 (Cont.) Environmental Problem 7 Surface Water Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,1-Dichloroethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,1-Dichloroethene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,2-Dichloroethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	1,2-Dichloropropane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	2-Butanone	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	2-Butanone	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	2-Butanone	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	2-Chloroethylvinyl Ether	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	2-Hexanone	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	2-Hexanone	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	2-Hexanone	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	4-Methyl-2-Pentanone	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Acetone	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Acetone	20	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Acetone	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Benzene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Benzene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Benzene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Bromodichloromethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Bromodichloromethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Bromodichloromethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Bromoform	< 5	ug/kg	

Table E.7.2 (Cont.) Environmental Problem 7 Surface Water Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Bromoform	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Bromoform	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Bromomethane	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Bromomethane	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Bromomethane	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Carbon Disulfide	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Carbon Disulfide	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Carbon Disulfide	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Carbon Tetrachloride	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Chlorobenzene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Chlorobenzene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Chlorobenzene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Chloroethane	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Chloroethane	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Chloroethane	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Chloroform	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Chloroform	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Chloroform	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Chloromethane	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Chloromethane	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Chloromethane	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Cis-1,3-Dichloropropene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Dibromochloromethane	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Dibromochloromethane	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Dibromochloromethane	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Ethylbenzene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Ethylbenzene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Ethylbenzene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Methylene Chloride	120	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Methylene Chloride	20	ug/kg	B

Table E.7.2 (Cont.) Environmental Problem 7 Surface Water Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Methylene Chloride	130	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Styrene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Styrene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Styrene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Tetrachloroethene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Tetrachloroethene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Tetrachloroethene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Toluene	5	ug/kg	B
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Toluene	2	ug/kg	B
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Toluene	6	ug/kg	B
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Total Xylenes	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Total Xylenes	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Total Xylenes	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Trans-1,2-Dichloroethene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Trans-1,3-Dichloropropene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Trichloroethene	< 5	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Trichloroethene	< 5	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Trichloroethene	< 5	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Vinyl Acetate	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Vinyl Acetate	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Vinyl Acetate	< 10	ug/kg	
FE0119SS3B	60906254	Soil	Pit 5 Ditch	Vinyl Chloride	< 10	ug/kg	
FE0120SS3B	60906255	Soil	Pit 5 Ditch	Vinyl Chloride	< 10	ug/kg	
FE0121SS3B	60906256	Soil	Pit 5 Ditch	Vinyl Chloride	< 10	ug/kg	
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	Bi-214	0.77 ± 0.14	pCi/g	
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	Bi-214	0.7 ± 0.03	pCi/g	
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	Bi-214	1.3 ± 0.1	pCi/g	
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	Cs-137	0.2 ± 0.05	pCi/g	
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	Cs-137	0.57 ± 0.02	pCi/g	
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	Cs-137	0.13 ± 0.01	pCi/g	

Table E.7.2 (Cont.) Environmental Problem 7 Surface Water Contamination: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	Ra-226	0.63 ± 0.08	pCi/g	G
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	Ra-226	0.68 ± 0.02	pCi/g	G
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	Ra-226	1.1 ± 0.1	pCi/g	G
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	Th-228	1.0 ± 0.1	pCi/g	G
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	Th-228	0.6 ± 0.04	pCi/g	G
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	Th-228	0.64 ± 0.05	pCi/g	G
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	Th-232	0.89 ± 0.17	pCi/g	G
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	Th-232	0.72 ± 0.06	pCi/g	G
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	Th-232	0.82 ± 0.05	pCi/g	G
FE0119SS1B	87-0006-04	Soil	Pit 5 Ditch	Total U	16.0	mg/kg	
FE0120SS1B	87-0006-05	Soil	Pit 5 Ditch	Total U	89.0	mg/kg	
FE0121SS1B	87-0006-06	Soil	Pit 5 Ditch	Total U	4.1	mg/kg	
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	U-235	A	pCi/g	
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	U-235	0.36 ± 0.04	pCi/g	
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	U-235	A	pCi/g	
FE0119SS2B	87-4001	Soil	Pit 5 Ditch	U-238	A	pCi/g	
FE0120SS2B	87-4001	Soil	Pit 5 Ditch	U-238	25 ± 2	pCi/g	
FE0121SS2B	87-4001	Soil	Pit 5 Ditch	U-238	B	pCi/g	

Table E.7.3 Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Ag	< 0.04	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Ag	< 0.04	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Ag	< 0.04	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Ag	< 0.04	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Ag	< 0.04	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	As	< 0.5	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	As	< 0.5	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	As	< 0.5	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	As	< 0.5	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	As	< 0.5	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Ba	0.08	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Ba	0.18	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Ba	0.08	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Ba	0.07	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Ba	0.06	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Cd	< 0.02	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Cd	< 0.02	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Cd	< 0.02	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Cd	< 0.02	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Cd	< 0.02	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Cr	< 0.03	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Cr	< 0.03	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Cr	< 0.03	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Cr	< 0.03	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Cr	< 0.03	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Hg	< 0.001	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Hg	< 0.001	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Hg	< 0.001	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Hg	< 0.001	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Hg	< 0.001	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Pb	< 0.3	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Pb	< 0.3	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Pb	< 0.3	mg/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0723OT8C	87-0076-08	Water	Paddy's Run	Pb	< 0.3	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Pb	< 0.3	mg/L	
FE0406SW1C	87-0021-02	Water	Storm Sewer Outfall	Se	< 0.5	mg/L	
FE0407SW1C	87-0021-03	Water	Storm Sewer Outfall	Se	< 0.5	mg/L	
FE0722OT8C	87-0076-07	Water	Paddy's Run	Se	< 0.5	mg/L	
FE0723OT8C	87-0076-08	Water	Paddy's Run	Se	< 0.5	mg/L	
FE0724OT8C	87-0076-09	Water	Paddy's Run	Se	< 0.5	mg/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,1,1-Trichloroethane	0.7	ug/L	J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,1,1-Trichloroethane	2.0	ug/L	J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,1,1-Trichloroethane	0.7	ug/L	J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,1,1-Trichloroethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,1,1-Trichloroethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,1,2,2-Tetrachloroethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,1,2-Trichloroethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,1,2-Trichloroethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,1,2-Trichloroethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,1,2-Trichloroethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,1,2-Trichloroethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,1-Dichloroethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,1-Dichloroethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,1-Dichloroethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,1-Dichloroethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,1-Dichloroethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,1-Dichloroethane	< 5	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT3B	61002084	Water	Paddy's Run	1,1-Dichloroethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,1-Dichloroethene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,1-Dichloroethene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,1-Dichloroethene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,1-Dichloroethene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,1-Dichloroethene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,1-Dichloroethene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,1-Dichloroethene	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	1,2,4-Trichlorobenzene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	1,2,4-Trichlorobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	1,2,4-Trichlorobenzene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	1,2-Dichlorobenzene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	1,2-Dichlorobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	1,2-Dichlorobenzene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,2-Dichloroethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,2-Dichloroethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,2-Dichloroethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,2-Dichloroethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,2-Dichloroethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,2-Dichloroethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,2-Dichloroethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	1,2-Dichloropropane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	1,2-Dichloropropane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	1,2-Dichloropropane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	1,2-Dichloropropane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	1,2-Dichloropropane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	1,2-Dichloropropane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	1,2-Dichloropropane	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	1,2-Diphenylhydrazine(1)	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	1,2-Diphenylhydrazine(1)	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	1,2-Diphenylhydrazine(1)	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	1,3-Dichlorobenzene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	1,3-Dichlorobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	1,3-Dichlorobenzene	< 10	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0722OT2B	61002079	Water	Paddy's Run	1,4-Dichlorobenzene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	1,4-Dichlorobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	1,4-Dichlorobenzene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,4,6-Trichlorophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,4,6-Trichlorophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,4,6-Trichlorophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,4-Dichlorophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,4-Dichlorophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,4-Dichlorophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,4-Dimethylphenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,4-Dimethylphenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,4-Dimethylphenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,4-Dinitrophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,4-Dinitrophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,4-Dinitrophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,4-Dinitrotoluene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,4-Dinitrotoluene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,4-Dinitrotoluene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2,6-Dinitrotoluene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2,6-Dinitrotoluene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2,6-Dinitrotoluene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	2-Butanone	5	ug/L	B J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	2-Butanone	6	ug/L	B J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	2-Butanone	6	ug/L	B J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	2-Butanone	5	ug/L	B J
FE0722OT3B	61002080	Water	Paddy's Run	2-Butanone	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	2-Butanone	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	2-Butanone	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT3B	61002084	Water	Paddy's Run	2-Chloroethylvinyl Ether	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2-Chloronapthalene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2-Chloronapthalene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2-Chloronapthalene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2-Chlorophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2-Chlorophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2-Chlorophenol	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	2-Hexanone	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	2-Hexanone	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	2-Hexanone	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	2-Hexanone	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	2-Hexanone	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	2-Hexanone	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	2-Hexanone	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	2-Nitrophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	2-Nitrophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	2-Nitrophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	3,3-Dichlorobenzidine	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	3,3-Dichlorobenzidine	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	3,3-Dichlorobenzidine	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	3,4-Benzofluoranthene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	3,4-Benzofluoranthene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	3,4-Benzofluoranthene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	4,6-Dinitro-2-Methylphenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	4,6-Dinitro-2-Methylphenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	4,6-Dinitro-2-Methylphenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	4-Bromophenyl Phenyl Ether	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	4-Bromophenyl Phenyl Ether	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	4-Bromophenyl Phenyl Ether	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	4-Chlorophenyl Phenyl Ether	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	4-Chlorophenyl Phenyl Ether	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	4-Chlorophenyl Phenyl Ether	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	4-Methyl-2-Pentanone	0.9	ug/L	B J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	4-Methyl-2-Pentanone	1.0	ug/L	B J

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0407SW3B	60906225	Water	Storm Sewer Outfall	4-Methyl-2-Pentanone	1.0	ug/L	B J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	4-Methyl-2-Pentanone	2.0	ug/L	B J
FE0722OT3B	61002080	Water	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	4-Methyl-2-Pentanone	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	4-Nitrophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	4-Nitrophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	4-Nitrophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Acenaphthene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Acenaphthene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Acenaphthene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Acenaphthylene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Acenaphthylene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Acenaphthylene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Acetone	14	ug/L	B
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Acetone	13	ug/L	B
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Acetone	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Acetone	13	ug/L	B
FE0722OT3B	61002080	Water	Paddy's Run	Acetone	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Acetone	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Acetone	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Anthracene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Anthracene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Anthracene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Benzene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Benzene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Benzene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Benzene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Benzene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Benzene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Benzene	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Benzidine	< 50	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Benzidine	< 50	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Benzidine	< 50	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0722OT2B	61002079	Water	Paddy's Run	Benzo(a)Anthracene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Benzo(a)Anthracene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Benzo(a)Anthracene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Benzo(a)Pyrene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Benzo(a)Pyrene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Benzo(a)Pyrene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Benzo(g,h,i)Perylene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Benzo(g,h,i)Perylene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Benzo(g,h,i)Perylene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Benzo(k)Fluoranthene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Benzo(k)Fluoranthene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Benzo(k)Fluoranthene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Bis(2-Chloroethoxy)methane	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Bis(2-Chloroethoxy)methane	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Bis(2-Chloroethoxy)methane	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Bis(2-Chloroethyl)ether	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Bis(2-Chloroethyl)ether	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Bis(2-Chloroethyl)ether	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Bis(2-chloroisopropyl)ether	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Bis(2-chloroisopropyl)ether	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Bis(2-chloroisopropyl)ether	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Bis(2-Ethylhexyl)phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Bis(2-Ethylhexyl)phthalate	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Bis(2-Ethylhexyl)phthalate	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Bromodichloromethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Bromodichloromethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Bromodichloromethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Bromodichloromethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Bromodichloromethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Bromodichloromethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Bromodichloromethane	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Bromoform	1	ug/L	J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Bromoform	2	ug/L	J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Bromoform	< 5	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Bromoform	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Bromoform	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Bromoform	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Bromoform	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Bromomethane	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Bromomethane	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Bromomethane	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Bromomethane	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Bromomethane	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Bromomethane	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Bromomethane	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Bytyl Benzyl Phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Bytyl Benzyl Phthalate	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Bytyl Benzyl Phthalate	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Carbon Disulfide	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Carbon Disulfide	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Carbon Disulfide	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Carbon Disulfide	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Carbon Disulfide	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Carbon Disulfide	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Carbon Disulfide	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Carbon Tetrachloride	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Carbon Tetrachloride	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Carbon Tetrachloride	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Carbon Tetrachloride	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Carbon Tetrachloride	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Carbon Tetrachloride	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Carbon Tetrachloride	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Chlorobenzene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Chlorobenzene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Chlorobenzene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Chlorobenzene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Chlorobenzene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Chlorobenzene	< 5	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT3B	61002084	Water	Paddy's Run	Chlorobenzene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Chloroethane	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Chloroethane	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Chloroethane	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Chloroethane	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Chloroethane	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Chloroethane	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Chloroethane	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Chloroform	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Chloroform	0.6	ug/L	B J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Chloroform	0.6	ug/L	B J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Chloroform	0.6	ug/L	B J
FE0722OT3B	61002080	Water	Paddy's Run	Chloroform	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Chloroform	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Chloroform	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Chloromethane	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Chloromethane	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Chloromethane	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Chloromethane	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Chloromethane	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Chloromethane	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Chloromethane	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Chrysene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Chrysene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Chrysene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Cis-1,3-Dichloropropene	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Di-N-Butyl Phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Di-N-Butyl Phthalate	< 10	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT2B	61002083	Water	Paddy's Run	Di-N-Butyl Phthalate	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Di-N-Octyl Phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Di-N-Octyl Phthalate	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Di-N-Octyl Phthalate	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Dibenzo(a,h)anthracene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Dibenzo(a,h)anthracene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Dibenzo(a,h)anthracene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Dibromochloromethane	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Dibromochloromethane	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Dibromochloromethane	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Dibromochloromethane	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Dibromochloromethane	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Dibromochloromethane	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Dibromochloromethane	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Diethyl Phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Diethyl Phthalate	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Diethyl Phthalate	1	ug/L	J
FE0722OT2B	61002079	Water	Paddy's Run	Dimethyl Phthalate	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Dimethyl Phthalate	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Dimethyl Phthalate	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Ethylbenzene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Ethylbenzene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Ethylbenzene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Ethylbenzene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Ethylbenzene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Ethylbenzene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Ethylbenzene	< 5	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Fluoranthene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Fluoranthene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Fluoranthene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Fluorene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Fluorene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Fluorene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Hexachlorobenzene	< 10	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0723OT2B	61002081	Water	Paddy's Run	Hexachlorobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Hexachlorobenzene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Hexachlorobutadiene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Hexachlorobutadiene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Hexachlorobutadiene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Hexachlorocyclopentadiene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Hexachlorocyclopentadiene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Hexachlorocyclopentadiene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Hexachloroethane	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Hexachloroethane	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Hexachloroethane	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Indeno(1,2,3-cd)pyrene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Indeno(1,2,3-cd)pyrene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Indeno(1,2,3-cd)pyrene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Isophorone	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Isophorone	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Isophorone	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Methylene Chloride	3	ug/L	B J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Methylene Chloride	4	ug/L	B J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Methylene Chloride	3	ug/L	B J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Methylene Chloride	4	ug/L	B J
FE0722OT3B	61002080	Water	Paddy's Run	Methylene Chloride	9	ug/L	B
FE0723OT3B	61002082	Water	Paddy's Run	Methylene Chloride	7	ug/L	B
FE0724OT3B	61002084	Water	Paddy's Run	Methylene Chloride	4	ug/L	B J
FE0722OT2B	61002079	Water	Paddy's Run	N-Nitrosodi-N-Propylamine	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	N-Nitrosodi-N-Propylamine	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	N-Nitrosodi-N-Propylamine	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	N-Nitrosodimethylamine	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	N-Nitrosodimethylamine	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	N-Nitrosodimethylamine	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	N-Nitrosodiphenylamine(2)	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	N-Nitrosodiphenylamine(2)	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	N-Nitrosodiphenylamine(2)	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Naphalene	< 10	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0723OT2B	61002081	Water	Paddy's Run	Naphalene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Naphalene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Nitrobenzene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Nitrobenzene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Nitrobenzene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	P-Chloro-M-Cresol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	P-Chloro-M-Cresol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	P-Chloro-M-Cresol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Pentachlorophenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Pentachlorophenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Pentachlorophenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Phenanthrene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Phenanthrene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Phenanthrene	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Phenol	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Phenol	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Phenol	< 10	ug/L	
FE0722OT2B	61002079	Water	Paddy's Run	Pyrene	< 10	ug/L	
FE0723OT2B	61002081	Water	Paddy's Run	Pyrene	< 10	ug/L	
FE0724OT2B	61002083	Water	Paddy's Run	Pyrene	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Styrene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Styrene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Styrene	0.2	ug/L	J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Styrene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Styrene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Styrene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Styrene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Tetrachloroethene	3	ug/L	J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Tetrachloroethene	3	ug/L	J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Tetrachloroethene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Tetrachloroethene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Tetrachloroethene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Tetrachloroethene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Tetrachloroethene	< 5	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Toluene	2	ug/L	B J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Toluene	2	ug/L	B J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Toluene	2	ug/L	B J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Toluene	2	ug/L	B J
FE0722OT3B	61002080	Water	Paddy's Run	Toluene	3	ug/L	B J
FE0723OT3B	61002082	Water	Paddy's Run	Toluene	3	ug/L	B J
FE0724OT3B	61002084	Water	Paddy's Run	Toluene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Total Xylenes	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Total Xylenes	0.2	ug/L	J
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Total Xylenes	0.3	ug/L	J
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Total Xylenes	0.2	ug/L	J
FE0722OT3B	61002080	Water	Paddy's Run	Total Xylenes	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Total Xylenes	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Total Xylenes	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Trans-1,2-Dichloroethene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Trans-1,3-Dichloropropene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Trichloroethene	0.3	ug/L	J
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Trichloroethene	< 5	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Trichloroethene	< 5	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Trichloroethene	< 5	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Trichloroethene	< 5	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Trichloroethene	< 5	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT3B	61002084	Water	Paddy's Run	Trichloroethene	< 5	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Vinyl Acetate	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Vinyl Acetate	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Vinyl Acetate	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Vinyl Acetate	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Vinyl Acetate	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Vinyl Acetate	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Vinyl Acetate	< 10	ug/L	
FE0406SW3B	60906224	Water	Storm Sewer Outfall	Vinyl Chloride	< 10	ug/L	
FE0406SW4B	60906257	Water	Storm Sewer Outfall	Vinyl Chloride	< 10	ug/L	
FE0407SW3B	60906225	Water	Storm Sewer Outfall	Vinyl Chloride	< 10	ug/L	
FE0407SW4B	60906260	Water	Storm Sewer Outfall	Vinyl Chloride	< 10	ug/L	
FE0722OT3B	61002080	Water	Paddy's Run	Vinyl Chloride	< 10	ug/L	
FE0723OT3B	61002082	Water	Paddy's Run	Vinyl Chloride	< 10	ug/L	
FE0724OT3B	61002084	Water	Paddy's Run	Vinyl Chloride	< 10	ug/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	Bi-214	B	pCi/L	
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	Bi-214	B	pCi/L	
FE0722OT1C	87-4001	Water	Paddy's Run	Bi-214	B	pCi/L	
FE0723OT1C	87-4001	Water	Paddy's Run	Bi-214	B	pCi/L	
FE0724OT1C	87-4001	Water	Paddy's Run	Bi-214	B	pCi/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	Cs-137	B	pCi/L	
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	Cs-137	B	pCi/L	
FE0722OT1C	87-4001	Water	Paddy's Run	Cs-137	B	pCi/L	
FE0723OT1C	87-4001	Water	Paddy's Run	Cs-137	B	pCi/L	
FE0724OT1C	87-4001	Water	Paddy's Run	Cs-137	A	pCi/L	
FE0722OT1C	87-4009	Water	Paddy's Run	Np-237	< 0.02	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Np-237	< 0.03	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Np-237	0.04 ± 0.01	pCi/L	
FE0722OT1C	87-4009	Water	Paddy's Run	Pu-238	< 0.12	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Pu-238	< 0.12	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Pu-238	< 0.12	pCi/L	
FE0722OT1C	87-4009	Water	Paddy's Run	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Pu-239 + Pu-240	< 0.04	pCi/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0722OT1C	87-4009	Water	Paddy's Run	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	Ra-226	B	pCi/L	G
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	Ra-226	B	pCi/L	G
FE0722OT1C	87-4001	Water	Paddy's Run	Ra-226	B	pCi/L	G
FE0723OT1C	87-4001	Water	Paddy's Run	Ra-226	B	pCi/L	G
FE0724OT1C	87-4001	Water	Paddy's Run	Ra-226	B	pCi/L	G
FE0722OT1C	87-4009	Water	Paddy's Run	Th-227	< 0.04	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Th-227	0.44 ± 0.08	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Th-227	< 0.06	pCi/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	Th-228	B	pCi/L	G
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	Th-228	B	pCi/L	G
FE0722OT1C	87-4001	Water	Paddy's Run	Th-228	B	pCi/L	G
FE0722OT1C	87-4009	Water	Paddy's Run	Th-228	< 0.02	pCi/L	A
FE0723OT1C	87-4001	Water	Paddy's Run	Th-228	B	pCi/L	G
FE0723OT1C	87-4009	Water	Paddy's Run	Th-228	< 0.06	pCi/L	A
FE0724OT1C	87-4001	Water	Paddy's Run	Th-228	B	pCi/L	G
FE0724OT1C	87-4009	Water	Paddy's Run	Th-228	< 0.02	pCi/L	A
FE0722OT1C	87-4009	Water	Paddy's Run	Th-230	< 0.01	pCi/L	
FE0723OT1C	87-4009	Water	Paddy's Run	Th-230	< 0.06	pCi/L	
FE0724OT1C	87-4009	Water	Paddy's Run	Th-230	< 0.01	pCi/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	Th-232	B	pCi/L	G
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	Th-232	B	pCi/L	G
FE0722OT1C	87-4001	Water	Paddy's Run	Th-232	B	pCi/L	G
FE0722OT1C	87-4009	Water	Paddy's Run	Th-232	< 0.01	pCi/L	A
FE0723OT1C	87-4001	Water	Paddy's Run	Th-232	B	pCi/L	G
FE0723OT1C	87-4009	Water	Paddy's Run	Th-232	< 0.03	pCi/L	A
FE0724OT1C	87-4001	Water	Paddy's Run	Th-232	B	pCi/L	G
FE0724OT1C	87-4009	Water	Paddy's Run	Th-232	< 0.01	pCi/L	A
FE0406SW1C	87-0005-02	Water	Storm Sewer Outfall	Total U	67.0	ug/L	
FE0407SW1C	87-0005-03	Water	Storm Sewer Outfall	Total U	12.0	ug/L	
FE0722OT7C	87-0058-07	Water	Paddy's Run	Total U	6.9	ug/L	
FE0723OT7C	87-0058-08	Water	Paddy's Run	Total U	25.0	ug/L	

Table E.7.3 (Cont.) Environmental Problem 7 Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0724OT7C	87-0058-09	Water	Paddy's Run	Total U	27.0	ug/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	U-235	A	pCi/L	
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	U-235	A	pCi/L	
FE0722OT1C	87-4001	Water	Paddy's Run	U-235	A	pCi/L	
FE0723OT1C	87-4001	Water	Paddy's Run	U-235	B	pCi/L	
FE0724OT1C	87-4001	Water	Paddy's Run	U-235	B	pCi/L	
FE0406SW2C	87-4001	Water	Storm Sewer Outfall	U-238	A	pCi/L	
FE0407SW2C	87-4001	Water	Storm Sewer Outfall	U-238	A	pCi/L	
FE0722OT1C	87-4001	Water	Paddy's Run	U-238	A	pCi/L	
FE0723OT1C	87-4001	Water	Paddy's Run	U-238	A	pCi/L	
FE0724OT1C	87-4001	Water	Paddy's Run	U-238	B	pCi/L	

Table E.8.1 Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Ag	< 0.1	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Ag	< 0.1	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Ag	< 0.1	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	As	< 0.5	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	As	< 0.5	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	As	< 0.5	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Ba	1.17	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Ba	0.91	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Ba	0.99	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Cd	< 0.02	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Cd	< 0.02	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Cd	< 0.02	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Cr	< 0.03	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Cr	< 0.03	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Cr	< 0.03	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Hg	< 0.001	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Hg	< 0.001	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Hg	< 0.001	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Pb	< 0.3	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Pb	< 0.3	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Pb	< 0.3	mg/L	
FE0417SE1B	87-0127-19	Sediment	Great Miami River	Se	< 0.5	mg/L	
FE0418SE1B	87-0127-20	Sediment	Great Miami River	Se	< 0.5	mg/L	
FE0421SE1B	87-0127-21	Sediment	Great Miami River	Se	< 0.5	mg/L	
FE0417SE3B	60906240	Sediment	Great Miami River	1,1,1-Trichloroethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,1,1-Trichloroethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,1,1-Trichloroethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,1,1-Trichloroethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,1,2-Trichloroethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,1,2-Trichloroethane	< 5	µg/kg	

Table E.8.1 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0421SE3B	60906250	Sediment	Great Miami River	1,1,2-Trichloroethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,1,2-Trichloroethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,1-Dichloroethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,1-Dichloroethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,1-Dichloroethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,1-Dichloroethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,1-Dichloroethene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,1-Dichloroethene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,1-Dichloroethene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,1-Dichloroethene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,2-Dichloroethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,2-Dichloroethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,2-Dichloroethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,2-Dichloroethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	1,2-Dichloropropane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	1,2-Dichloropropane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	1,2-Dichloropropane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	1,2-Dichloropropane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	2-Butanone	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	2-Butanone	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	2-Butanone	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	2-Butanone	4	µg/kg	BJ
FE0417SE3B	60906240	Sediment	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	2-Hexanone	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	2-Hexanone	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	2-Hexanone	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	2-Hexanone	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	4-Methyl-2-Pentanone	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	4-Methyl-2-Pentanone	<10	µg/kg	

Table E.8.1 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0417SE3B	60906240	Sediment	Great Miami River	Acetone	39	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Acetone	33	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Acetone	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Acetone	23	µg/kg	B
FE0417SE3B	60906240	Sediment	Great Miami River	Benzene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Benzene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Benzene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Benzene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Bromodichloromethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Bromodichloromethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Bromodichloromethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Bromodichloromethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Bromoform	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Bromoform	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Bromoform	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Bromoform	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Bromomethane	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Bromomethane	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Bromomethane	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Bromomethane	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Carbon Disulfide	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Carbon Disulfide	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Carbon Disulfide	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Carbon Disulfide	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Carbon Tetrachloride	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Carbon Tetrachloride	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Carbon Tetrachloride	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Carbon Tetrachloride	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Chlorobenzene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Chlorobenzene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Chlorobenzene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Chlorobenzene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Chloroethane	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Chloroethane	< 10	µg/kg	

Table E.8.1 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0421SE3B	60906250	Sediment	Great Miami River	Chloroethane	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Chloroethane	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Chloroform	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Chloroform	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Chloroform	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Chloroform	6	µg/kg	B
FE0417SE3B	60906240	Sediment	Great Miami River	Chloromethane	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Chloromethane	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Chloromethane	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Chloromethane	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Dibromochloromethane	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Dibromochloromethane	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Dibromochloromethane	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Dibromochloromethane	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Ethylbenzene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Ethylbenzene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Ethylbenzene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Ethylbenzene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Methylene Chloride	6	µg/kg	B
FE0418SE2B	60906241	Sediment	Great Miami River	Methylene Chloride	6	µg/kg	B
FE0421SE3B	60906250	Sediment	Great Miami River	Methylene Chloride	6	µg/kg	B
FE0728SE3B	61003243	Sediment	Great Miami River	Methylene Chloride	15	µg/kg	B
FE0417SE3B	60906240	Sediment	Great Miami River	Styrene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Styrene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Styrene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Styrene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Tetrachloroethene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Tetrachloroethene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Tetrachloroethene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Tetrachloroethene	<5	µg/kg	

Table E.8.1 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0417SE3B	60906240	Sediment	Great Miami River	Toluene	2	µg/kg	B J
FE0418SE2B	60906241	Sediment	Great Miami River	Toluene	2	µg/kg	B J
FE0421SE3B	60906250	Sediment	Great Miami River	Toluene	2	µg/kg	B J
FE0728SE3B	61003243	Sediment	Great Miami River	Toluene	2	µg/kg	B J
FE0417SE3B	60906240	Sediment	Great Miami River	Total Xylenes	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Total Xylenes	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Total Xylenes	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Total Xylenes	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Trichloroethene	< 5	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Trichloroethene	< 5	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Trichloroethene	< 5	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Trichloroethene	<5	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Vinyl Acetate	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Vinyl Acetate	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Vinyl Acetate	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Vinyl Acetate	<10	µg/kg	
FE0417SE3B	60906240	Sediment	Great Miami River	Vinyl Chloride	< 10	µg/kg	
FE0418SE2B	60906241	Sediment	Great Miami River	Vinyl Chloride	< 10	µg/kg	
FE0421SE3B	60906250	Sediment	Great Miami River	Vinyl Chloride	< 10	µg/kg	
FE0728SE3B	61003243	Sediment	Great Miami River	Vinyl Chloride	<10	µg/kg	
FE0417SE2B	87-4001	Sediment	Great Miami River	Bi-214	B	pCi/g	
FE0418SE3B	87-4001	Sediment	Great Miami River	Bi-214	0.38 ± 0.05	pCi/g	
FE0421SE2B	87-4001	Sediment	Great Miami River	Bi-214	0.65 ± 0.03	pCi/g	
FE0728SE2B	87-4001	Sediment	Great Miami River	Bi-214	0.84 ± 0.1	pCi/g	
FE0417SE2B	87-4001	Sediment	Great Miami River	Cs-137	B	pCi/g	
FE0418SE3B	87-4001	Sediment	Great Miami River	Cs-137	A	pCi/g	

Table E.8.1 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0421SE2B	87-4001	Sediment	Great Miami River	Cs-137	B	pCi/g	
FE0728SE2B	87-4001	Sediment	Great Miami River	Cs-137	0.15 ± 0.04	pCi/g	
FE0728SE2B	8100612	Sediment	Great Miami River	Np-237	18.0 ± 0.1	pCi/g	
FE0728SE2B	8100612	Sediment	Great Miami River	Pu-238	2.4 ± 0.3	pCi/g	
FE0728SE2B	8100612	Sediment	Great Miami River	Pu-239 + Pu-240	0.4 ± 0.1	pCi/g	
FE0417SE2B	87-4008	Sediment	Great Miami River	Ra-226	B	pCi/g	
FE0418SE3B	87-4008	Sediment	Great Miami River	Ra-226	0.28 ± 0.03	pCi/g	
FE0421SE2B	87-4008	Sediment	Great Miami River	Ra-226	0.6 ± 0.02	pCi/g	
FE0728SE2B	87-4008	Sediment	Great Miami River	Ra-226	1.1 ± 0.1	pCi/g	
FE0728SE2B	87-4008	Sediment	Great Miami River	Ra-226	0.72 ± 0.04	pCi/g	K
FE0728SE2B	87-4008	Sediment	Great Miami River	Ra-228	0.52 ± 0.04	pCi/g	K
FE0728SE2B	8100638	Sediment	Great Miami River	Th-227	0.7 ± 0.2	pCi/g	
FE0417SE2B	87-4001	Sediment	Great Miami River	Th-228	0.27 ± 0.04	pCi/g	G
FE0418SE3B	87-4001	Sediment	Great Miami River	Th-228	B	pCi/g	G
FE0421SE2B	87-4001	Sediment	Great Miami River	Th-228	B	pCi/g	G
FE0728SE2B	87-4001	Sediment	Great Miami River	Th-228	0.57 ± 0.12	pCi/g	G
FE0728SE2B	8100638	Sediment	Great Miami River	Th-228	0.4 ± 0.2	pCi/g	A
FE0728SE2B	8100638	Sediment	Great Miami River	Th-230	0.5 ± 0.2	pCi/g	G
FE0417SE2B	87-4001	Sediment	Great Miami River	Th-232	0.28 ± 0.04	pCi/g	G
FE0418SE3B	87-4001	Sediment	Great Miami River	Th-232	B	pCi/g	G
FE0421SE2B	87-4001	Sediment	Great Miami River	Th-232	0.24 ± 0.05	pCi/g	G
FE0728SE2B	87-4001	Sediment	Great Miami River	Th-232	0.59 ± 0.16	pCi/g	G
FE0728SE2B	8100638	Sediment	Great Miami River	Th-232	0.3 ± 0.1	pCi/g	A
FE0417SE1B	87-0006-19	Sediment	Great Miami River	Total U	0.96	mg/kg	
FE0418SE1B	87-0006-20	Sediment	Great Miami River	Total U	0.83	mg/kg	
FE0421SE1B	87-0006-21	Sediment	Great Miami River	Total U	1.30	mg/kg	
FE0417SE2B	87-4001	Sediment	Great Miami River	U-235	A	pCi/g	
FE0418SE3B	87-4001	Sediment	Great Miami River	U-235	A	pCi/g	
FE0421SE2B	87-4001	Sediment	Great Miami River	U-235	A	pCi/g	
FE0728SE2B	87-4001	Sediment	Great Miami River	U-235	0.09 ± 0.02	pCi/g	
FE0417SE2B	87-4001	Sediment	Great Miami River	U-238	A	pCi/g	
FE0418SE3B	87-4001	Sediment	Great Miami River	U-238	A	pCi/g	
FE0421SE2B	87-4001	Sediment	Great Miami River	U-238	A	pCi/g	

Table E.8.2 Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0415SW1C	87-0021-04	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Ag	< 0.04	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Ag	< 0.04	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Ag	< 0.04	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	As	< 0.5	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	As	< 0.5	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	As	< 0.5	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	As	< 0.5	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	As	< 0.5	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	As	< 0.5	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	As	< 0.5	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	As	< 0.5	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	As	< 0.5	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	As	< 0.5	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	Ba	0.53	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Ba	0.54	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Ba	0.40	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Ba	0.32	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Ba	0.16	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Ba	0.13	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Ba	0.15	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Ba	0.16	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Ba	0.12	mg/L	D
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Ba	0.24	mg/L	D
FE0415SW1C	87-0021-04	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Cd	< 0.02	mg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0419SW1C	87-0021-08	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Cd	< 0.02	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Cd	< 0.02	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Cd	< 0.02	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Cr	< 0.03	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Cr	< 0.03	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Cr	< 0.03	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Hg	< 0.001	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Hg	< 0.001	mg/L	
FE0422SW2C	87-0021-13A	Water	Welch Sa & Gr Pit	Hg	< 0.001	mg/L	
FE0422SW2C	87-0021-13B	Water	Welch Sa & Gr Pit	Hg	< 0.001	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Pb	< 0.3	mg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0420SW2C	87-0021-11	Water	Great Miami River	Pb	< 0.3	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Pb	< 0.3	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Pb	< 0.3	mg/L	
FE0415SW1C	87-0021-04	Water	Great Miami River	Se	< 0.5	mg/L	
FE0415SW2C	87-0021-05	Water	Great Miami River	Se	< 0.5	mg/L	
FE0416SW1C	87-0021-06	Water	Great Miami River	Se	< 0.5	mg/L	
FE0416SW2C	87-0021-07	Water	Great Miami River	Se	< 0.5	mg/L	
FE0419SW1C	87-0021-08	Water	Great Miami River	Se	< 0.5	mg/L	
FE0419SW2C	87-0021-09	Water	Great Miami River	Se	< 0.5	mg/L	
FE0420SW1C	87-0021-10	Water	Great Miami River	Se	< 0.5	mg/L	
FE0420SW2C	87-0021-11	Water	Great Miami River	Se	< 0.5	mg/L	
FE0422SW1C	87-0021-12	Water	Welch Sa & Gr Pit	Se	< 0.5	mg/L	
FE0422SW2C	87-0021-13	Water	Welch Sa & Gr Pit	Se	< 0.5	mg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,1,1-Trichloroethane	1.0	µg/L	J
FE0415SW5B	60906233	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,1,1-Trichloroethane	0.4	µg/L	J
FE0416SW5B	60906237	Water	Great Miami River	1,1,1-Trichloroethane	0.8	µg/L	J
FE0416SW6B	60906238	Water	Great Miami River	1,1,1-Trichloroethane	1.0	µg/L	B J
FE0416SW7B	60906239	Water	Great Miami River	1,1,1-Trichloroethane	7.0	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,1,1-Trichloroethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,1,1-Trichloroethane	0.7	µg/L	J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,1,1-Trichloroethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,1,2,2-Tetrachloroethane	2	µg/L	J

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0419SW4B	60906242	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,1,2-Trichloroethane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,1,2-Trichloroethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,1,2-Trichloroethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,1-Dichloroethane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,1-Dichloroethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,1-Dichloroethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0415SW7B	60906235	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,1-Dichloroethene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,1-Dichloroethene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,1-Dichloroethene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,2-Dichloroethane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	1,2-Dichloroethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,2-Dichloroethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	1,2-Dichloropropane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0420SW5B	60906247	Water	Great Miami River	1,2-Dichloropropane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	1,2-Dichloropropane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	2-Butanone	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	2-Butanone	4	µg/L	B J
FE0420SW5B	60906247	Water	Great Miami River	2-Butanone	4	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	2-Butanone	5	µg/L	B J
FE0415SW4B	60906232	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	2-Chloroethylvinyl Ether	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	2-Hexanone	< 10	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0416SW6B	60906238	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	2-Hexanone	3	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	2-Hexanone	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	2-Hexanone	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0415SW5B	60906233	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0415SW6B	60906234	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0415SW7B	60906235	Water	Great Miami River	4-Methyl-2-Pentanone	2	µg/L	B J
FE0416SW4B	60906236	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0416SW5B	60906237	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0416SW6B	60906238	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0416SW7B	60906239	Water	Great Miami River	4-Methyl-2-Pentanone	3	µg/L	B J
FE0419SW4B	60906242	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0419SW5B	60906243	Water	Great Miami River	4-Methyl-2-Pentanone	2	µg/L	B J
FE0420SW4B	60906246	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0420SW5B	60906247	Water	Great Miami River	4-Methyl-2-Pentanone	1	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	4-Methyl-2-Pentanone	1	µg/L	B J
FE0415SW4B	60906232	Water	Great Miami River	Acetone	17	µg/L	B
FE0415SW5B	60906233	Water	Great Miami River	Acetone	13	µg/L	B
FE0415SW6B	60906234	Water	Great Miami River	Acetone	15	µg/L	B
FE0415SW7B	60906235	Water	Great Miami River	Acetone	12	µg/L	B
FE0416SW4B	60906236	Water	Great Miami River	Acetone	12	µg/L	B
FE0416SW5B	60906237	Water	Great Miami River	Acetone	12	µg/L	B
FE0416SW6B	60906238	Water	Great Miami River	Acetone	11	µg/L	B
FE0416SW7B	60906239	Water	Great Miami River	Acetone	< 10	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	Acetone	5	µg/L	B J
FE0419SW5B	60906243	Water	Great Miami River	Acetone	5	µg/L	B J
FE0420SW4B	60906246	Water	Great Miami River	Acetone	11	µg/L	B
FE0420SW5B	60906247	Water	Great Miami River	Acetone	14	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Acetone	12	µg/L	B
FE0415SW4B	60906232	Water	Great Miami River	Benzene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0415SW5B	60906233	Water	Great Miami River	Benzene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Benzene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Benzene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Benzene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Benzene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Benzene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Benzene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Benzene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Benzene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Benzene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Benzene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Benzene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Bromodichloromethane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Bromodichloromethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Bromodichloromethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Bromoform	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Bromoform	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0419SW5B	60906243	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Bromoform	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Bromoform	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Bromomethane	3	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Bromomethane	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Bromomethane	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Carbon Disulfide	2	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Carbon Disulfide	0.2	µg/L	J
FE0420SW5B	60906247	Water	Great Miami River	Carbon Disulfide	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Carbon Disulfide	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0416SW4B	60906236	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Carbon Tetrachloride	3	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Carbon Tetrachloride	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Carbon Tetrachloride	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Chlorobenzene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Chlorobenzene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Chlorobenzene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Chloroethane	1	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Chloroethane	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Chloroethane	< 10	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Chloroethane	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0415SW5B	60906233	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0415SW6B	60906234	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0415SW7B	60906235	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0416SW4B	60906236	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0416SW5B	60906237	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0416SW6B	60906238	Water	Great Miami River	Chloroform	2	µg/L	B J
FE0416SW7B	60906239	Water	Great Miami River	Chloroform	4	µg/L	B J
FE0419SW4B	60906242	Water	Great Miami River	Chloroform	0.7	µg/L	B J
FE0419SW5B	60906243	Water	Great Miami River	Chloroform	0.8	µg/L	B J
FE0420SW4B	60906246	Water	Great Miami River	Chloroform	0.7	µg/L	B J
FE0420SW5B	60906247	Water	Great Miami River	Chloroform	0.7	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Chloroform	0.5	µg/L	B J
FE0415SW4B	60906232	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Chloromethane	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Chloromethane	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0416SW7B	60906239	Water	Great Miami River	Cis-1,3-Dichloropropene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Dibromochloromethane	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Dibromochloromethane	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Dibromochloromethane	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Ethylbenzene	0.2	µg/L	B J
FE0415SW6B	60906234	Water	Great Miami River	Ethylbenzene	0.2	µg/L	B J
FE0415SW7B	60906235	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Ethylbenzene	0.2	µg/L	B J
FE0416SW6B	60906238	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Ethylbenzene	2	µg/L	B J
FE0419SW4B	60906242	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Ethylbenzene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Ethylbenzene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Methylene Chloride	8	µg/L	B
FE0415SW5B	60906233	Water	Great Miami River	Methylene Chloride	7	µg/L	B

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0415SW6B	60906234	Water	Great Miami River	Methylene Chloride	7	µg/L	B
FE0415SW7B	60906235	Water	Great Miami River	Methylene Chloride	7	µg/L	B
FE0416SW4B	60906236	Water	Great Miami River	Methylene Chloride	7	µg/L	B
FE0416SW5B	60906237	Water	Great Miami River	Methylene Chloride	6	µg/L	B
FE0416SW6B	60906238	Water	Great Miami River	Methylene Chloride	7	µg/L	B
FE0416SW7B	60906239	Water	Great Miami River	Methylene Chloride	9	µg/L	B
FE0419SW4B	60906242	Water	Great Miami River	Methylene Chloride	3	µg/L	B J
FE0419SW5B	60906243	Water	Great Miami River	Methylene Chloride	3	µg/L	B J
FE0420SW4B	60906246	Water	Great Miami River	Methylene Chloride	3	µg/L	B J
FE0420SW5B	60906247	Water	Great Miami River	Methylene Chloride	4	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Methylene Chloride	3	µg/L	B J
FE0415SW4B	60906232	Water	Great Miami River	Styrene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Styrene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Styrene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Styrene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Styrene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Styrene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Styrene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Styrene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Styrene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Styrene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Styrene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Styrene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Styrene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Tetrachloroethene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0420SW4B	60906246	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Tetrachloroethene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Tetrachloroethene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Toluene	3	µg/L	B J
FE0415SW5B	60906233	Water	Great Miami River	Toluene	3	µg/L	B J
FE0415SW6B	60906234	Water	Great Miami River	Toluene	3	µg/L	B J
FE0415SW7B	60906235	Water	Great Miami River	Toluene	3	µg/L	B J
FE0416SW4B	60906236	Water	Great Miami River	Toluene	3	µg/L	B J
FE0416SW5B	60906237	Water	Great Miami River	Toluene	4	µg/L	B J
FE0416SW6B	60906238	Water	Great Miami River	Toluene	3	µg/L	B J
FE0416SW7B	60906239	Water	Great Miami River	Toluene	5	µg/L	B
FE0419SW4B	60906242	Water	Great Miami River	Toluene	3	µg/L	B J
FE0419SW5B	60906243	Water	Great Miami River	Toluene	3	µg/L	B J
FE0420SW4B	60906246	Water	Great Miami River	Toluene	2	µg/L	B J
FE0420SW5B	60906247	Water	Great Miami River	Toluene	2	µg/L	B J
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Toluene	3	µg/L	B J
FE0415SW4B	60906232	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Total Xylenes	0.3	µg/L	B J
FE0415SW6B	60906234	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Total Xylenes	0.3	µg/L	B J
FE0416SW4B	60906236	Water	Great Miami River	Total Xylenes	0.3	µg/L	B J
FE0416SW5B	60906237	Water	Great Miami River	Total Xylenes	0.3	µg/L	B J
FE0416SW6B	60906238	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Total Xylenes	2.0	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Total Xylenes	0.2	µg/L	J
FE0420SW5B	60906247	Water	Great Miami River	Total Xylenes	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Total Xylenes	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0416SW5B	60906237	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Trans-1,2-Dichloroethene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Trans-1,3-Dichloropropene	1	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Trichloroethene	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Trichloroethene	< 5	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Trichloroethene	< 5	µg/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0415SW4B	60906232	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0419SW4B	60906242	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Vinyl Acetate	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Vinyl Acetate	< 10	µg/L	
FE0415SW4B	60906232	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0415SW5B	60906233	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0415SW6B	60906234	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0415SW7B	60906235	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0416SW4B	60906236	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0416SW5B	60906237	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0416SW6B	60906238	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0416SW7B	60906239	Water	Great Miami River	Vinyl Chloride	2	µg/L	J
FE0419SW4B	60906242	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0419SW5B	60906243	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0420SW4B	60906246	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0420SW5B	60906247	Water	Great Miami River	Vinyl Chloride	< 10	µg/L	
FE0422SW4B	61000347	Water	Welch Sa & Gr Pit	Vinyl Chloride	< 10	µg/L	
FE0415SW3C	87-4001	Water	Great Miami River	Bi-214	B	pCi/L	
FE0416SW3C	87-4001	Water	Great Miami River	Bi-214	B	pCi/L	
FE0419SW3C	87-4001	Water	Great Miami River	Bi-214	B	pCi/L	
FE0420SW3C	87-4001	Water	Great Miami River	Bi-214	B	pCi/L	
FE0422SW3C	87-4001	Water	Welch Sa & Gr Pit	Bi-214	B	pCi/L	
FE0415SW3C	87-4001	Water	Great Miami River	Cs-137	B	pCi/L	
FE0416SW3C	87-4001	Water	Great Miami River	Cs-137	B	pCi/L	
FE0419SW3C	87-4001	Water	Great Miami River	Cs-137	B	pCi/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0420SW3C	87-4001	Water	Great Miami River	Cs-137	B	pCi/L	
FE0422SW3C	87-4001	Water	Welch Sa & Gr Pit	Cs-137	B	pCi/L	
FE0415SW3C	87-4009	Water	Great Miami River	Np-237	< 0.02	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Np-237	< 0.02	pCi/L	
FE0419SW3C	87-4009	Water	Great Miami River	Np-237	< 0.02	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Np-237	< 0.02	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Np-237	< 0.02	pCi/L	
FE0415SW3C	87-4009	Water	Great Miami River	Pu-238	< 0.12	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Pu-238	< 0.11	pCi/L	
FE0419SW3C	87-4009	Water	Great Miami River	Pu-238	< 0.12	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Pu-238	< 0.12	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Pu-238	< 0.12	pCi/L	
FE0415SW3C	87-4009	Water	Great Miami River	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0419SW3C	87-4009	Water	Great Miami River	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0415SW3C	87-4009	Water	Great Miami River	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0419SW3C	87-4009	Water	Great Miami River	Pu-241 + Pu-242	< 0.02	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Pu-241 + Pu-242	< 0.02	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0415SW3C	87-4001	Water	Great Miami River	Ra-226	B	pCi/L	G
FE0416SW3C	87-4001	Water	Great Miami River	Ra-226	B	pCi/L	G
FE0419SW3C	87-4001	Water	Great Miami River	Ra-226	B	pCi/L	G
FE0420SW3C	87-4001	Water	Great Miami River	Ra-226	B	pCi/L	G
FE0422SW3C	87-4001	Water	Welch Sa & Gr Pit	Ra-226	B	pCi/L	G
FE0415SW3C	87-4009	Water	Great Miami River	Th-227	0.08 ± 0.02	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Th-227	0.98 ± 0.21	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Th-227	< 0.08	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Th-227	0.39 ± 0.06	pCi/L	
FE0415SW3C	87-4001	Water	Great Miami River	Th-228	B	pCi/L	G
FE0415SW3C	87-4009	Water	Great Miami River	Th-228	< 0.03	pCi/L	A
FE0416SW3C	87-4001	Water	Great Miami River	Th-228	B	pCi/L	G

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0416SW3C	87-4009	Water	Great Miami River	Th-228	< 0.16	pCi/L	A
FE0419SW3C	87-4001	Water	Great Miami River	Th-228	A	pCi/L	G
FE0419SW3C	87-4009	Water	Great Miami River	Th-228	< 0.02	pCi/L	G
FE0420SW3	87-4009	Water	Great Miami River	Th-228	< 0.04	pCi/L	A
FE0420SW3C	87-4001	Water	Great Miami River	Th-228	B	pCi/L	G
FE0422SW3C	87-4001	Water	Welch Sa & Gr Pit	Th-228	B	pCi/L	G
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Th-228	< 0.04	pCi/L	A
FE0415SW3C	87-4009	Water	Great Miami River	Th-230	< 0.02	pCi/L	
FE0416SW3C	87-4009	Water	Great Miami River	Th-230	< 0.13	pCi/L	
FE0419SW3C	87-4009	Water	Great Miami River	Th-230	0.03 ±0.01	pCi/L	
FE0420SW3	87-4009	Water	Great Miami River	Th-230	< 0.04	pCi/L	
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Th-230	< 0.03	pCi/L	
FE0415SW3C	87-4001	Water	Great Miami River	Th-232	B	pCi/L	G
FE0415SW3C	87-4009	Water	Great Miami River	Th-232	< 0.02	pCi/L	A
FE0416SW3C	87-4001	Water	Great Miami River	Th-232	B	pCi/L	G
FE0416SW3C	87-4009	Water	Great Miami River	Th-232	< 0.09	pCi/L	A
FE0419SW3C	87-4001	Water	Great Miami River	Th-232	B	pCi/L	G
FE0420SW3	87-4009	Water	Great Miami River	Th-232	< 0.02	pCi/L	A
FE0420SW3C	87-4001	Water	Great Miami River	Th-232	B	pCi/L	G
FE0422SW3C	87-4001	Water	Welch Sa & Gr Pit	Th-232	B	pCi/L	G
FE0422SW3C	87-4009	Water	Welch Sa & Gr Pit	Th-232	< 0.02	pCi/L	A
FE0415SW1C	87-0005-04	Water	Great Miami River	Total U	2.10	µg/L	
FE0415SW2C	87-0005-05	Water	Great Miami River	Total U	1.90	µg/L	
FE0416SW1C	87-0005-06	Water	Great Miami River	Total U	2.20	µg/L	
FE0416SW2C	87-0005-07	Water	Great Miami River	Total U	2.40	µg/L	
FE0419SW1C	87-0005-08	Water	Great Miami River	Total U	2.40	µg/L	
FE0419SW2C	87-0005-09	Water	Great Miami River	Total U	2.20	µg/L	
FE0420SW1C	87-0005-10	Water	Great Miami River	Total U	12.00	µg/L	
FE0420SW2C	87-0005-11	Water	Great Miami River	Total U	12.00	µg/L	
FE0422SW1C	87-0005-12	Water	Welch Sa & Gr Pit	Total U	1.50	µg/L	
FE0422SW2C	87-0005-13	Water	Welch Sa & Gr Pit	Total U	1.70	µg/L	
FE0415SW3C		Water	Great Miami River	U-235	A	pCi/L	
FE0416SW3C		Water	Great Miami River	U-235	A	pCi/L	
FE0419SW3C		Water	Great Miami River	U-235	A	pCi/L	

Table E.8.2 (Cont.) Environmental Problem 8 Off-Site Surface Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0420SW3C		Water	Great Miami River	U-235	A	pCi/L	
FE0422SW3C		Water	Welch Sa & Gr Pit	U-235	A	pCi/L	
FE0415SW3C		Water	Great Miami River	U-238	A	pCi/L	
FE0416SW3C		Water	Great Miami River	U-238	A	pCi/L	
FE0419SW3C		Water	Great Miami River	U-238	A	pCi/L	
FE0420SW3C		Water	Great Miami River	U-238	A	pCi/L	
FE0422SW3C		Water	Welch Sa & Gr Pit	U-238	A	pCi/L	

Table E.9.1 Environmental Problem 9 Water Contamination: Groundwater Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Ag	< 0.04	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Ag	< 0.04	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Ag	< 0.04	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Ag	< 0.04	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Ag	< 0.04	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Ag	< 0.04	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Ag	< 0.04	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Ag	< 0.04	mg/L	
FE402013E	87-7219-01	Water	Well A	Ag	[0.65]	µg/L	NF
FE404015E	87-7219-02	Water	Well B	Ag	[0.56]	µg/L	NF
FE406017E	87-7219-03	Water	Well C	Ag	[0.17]	µg/L	NF
FE0803MW11C	87-0076-10	Water	Product. Well, 3	As	< 0.5	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	As	< 0.5	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	As	< 0.5	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	As	< 0.5	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	As	< 0.5	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	As	< 0.5	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	As	< 0.5	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	As	< 0.5	mg/L	
FE402013E	87-7219-01	Water	Well A	As	<2.3	µg/L	F
FE404015E	87-7219-02	Water	Well B	As	<2.3	µg/L	F
FE406017E	87-7219-03	Water	Well C	As	<2.3	µg/L	F
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Ba	0.14	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Ba	0.27	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Ba	0.25	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Ba	0.14	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Ba	0.17	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Ba	0.18	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Ba	0.17	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Ba	0.19	mg/L	
FE402013E	87-7219-01	Water	Well A	Ba	[52]	µg/L	P
FE404015E	87-7219-02	Water	Well B	Ba	<2.5	µg/L	P
FE406017E	87-7219-03	Water	Well C	Ba	[85]	µg/L	P
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Cd	< 0.02	mg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Cd	< 0.02	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Cd	< 0.02	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Cd	< 0.02	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Cd	< 0.02	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Cd	< 0.02	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Cd	< 0.02	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Cd	< 0.02	mg/L	
FE402013E	87-7219-01	Water	Well A	Cd	<2.3	µg/L	P
FE404015E	87-7219-02	Water	Well B	Cd	<2.3	µg/L	P
FE406017E	87-7219-03	Water	Well C	Cd	<2.3	µg/L	P
FE402013E	87-7219-01	Water	Well A	Cr	<3.4	µg/L	P
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Cr	< 0.03	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Cr	0.05	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Cr	0.04	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Cr	< 0.03	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Cr	< 0.03	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Cr	< 0.03	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Cr	< 0.03	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Cr	0.03	mg/L	
FE404015E	87-7219-02	Water	Well B	Cr	<3.4	µg/L	P
FE406017E	87-7219-03	Water	Well C	Cr	[8.5]	µg/L	P
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Hg	< 0.001	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Hg	< 0.001	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Hg	< 0.001	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Hg	< 0.001	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Hg	< 0.001	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Hg	< 0.001	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Hg	0.001	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Hg	< 0.001	mg/L	
FE402013E	87-7219-01	Water	Well A	Hg	0.2	µg/L	
FE404015E	87-7219-02	Water	Well B	Hg	<0.2	µg/L	
FE406017E	87-7219-03	Water	Well C	Hg	<0.2	µg/L	
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Pb	< 0.3	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Pb	< 0.3	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Pb	< 0.3	mg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Pb	< 0.3	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Pb	< 0.3	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Pb	< 0.3	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Pb	< 0.3	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Pb	< 0.3	mg/L	
FE402013E	87-7219-01	Water	Well A	Pb	[0.61]	µg/L	F
FE404015E	87-7219-02	Water	Well B	Pb	[0.74]	µg/L	F
FE406017E	87-7219-03	Water	Well C	Pb	<0.53	µg/L	F
FE0803MW11C	87-0076-10	Water	Product. Well, 3	Se	< 0.5	mg/L	
FE0803MW12C	87-0076-11	Water	Product. Well, 3	Se	< 0.5	mg/L	
FE0803MW13C	87-0076-12	Water	Product. Well, 3	Se	< 0.5	mg/L	
FE0803MW14C	87-0076-13	Water	Product. Well, 3	Se	< 0.5	mg/L	
FE0804MW5C	87-0076-14	Water	Product. Well, 1	Se	< 0.5	mg/L	
FE0804MW6C	87-0076-15	Water	Product. Well, 1	Se	< 0.5	mg/L	
FE0805MW5C	87-0076-16	Water	Product. Well, 2	Se	< 0.5	mg/L	
FE0805MW6C	87-0076-17	Water	Product. Well, 2	Se	< 0.5	mg/L	
FE402013E	87-7219-01	Water	Well A	Se	<1.3	µg/L	NF
FE404015E	87-7219-02	Water	Well B	Se	<1.3	µg/L	NF
FE406017E	87-7219-03	Water	Well C	Se	<1.3	µg/L	NF
FE0803MW1B	61002100	Water	Product. Well, 3	1,1,1-Trichloroethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,1,1-Trichloroethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,1,1-Trichloroethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,1,1-Trichloroethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,1,1-Trichloroethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,1,1-Trichloroethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,1,2,2-Tetrachloroethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,1,2,2-Tetrachloroethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,1,2,2-Tetrachloroethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,1,2-Trichloroethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,1,2-Trichloroethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,1,2-Trichloroethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,1,2-Trichloroethane	<5	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE804WW1B	61002101	Water	Well 1-S	1,1,2-Trichloroethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,1,2-Trichloroethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,1-Dichloroethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,1-Dichloroethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,1-Dichloroethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,1-Dichloroethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,1-Dichloroethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,1-Dichloroethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,1-Dichloroethene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,1-Dichloroethene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,1-Dichloroethene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,1-Dichloroethene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,1-Dichloroethene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,1-Dichloroethene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,2-Dichloroethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,2-Dichloroethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,2-Dichloroethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,2-Dichloroethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,2-Dichloroethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,2-Dichloroethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	1,2-Dichloropropane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	1,2-Dichloropropane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	1,2-Dichloropropane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	1,2-Dichloropropane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	1,2-Dichloropropane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	1,2-Dichloropropane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	2-Butanone	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	2-Butanone	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	2-Butanone	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	2-Butanone	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	2-Butanone	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	2-Butanone	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	2-Chloroethylvinyl Ether	< 10	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE803WW1B	61002100	Water	Well 3-S	2-Chloroethylvinyl Ether	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	2-Chloroethylvinyl Ether	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	2-Chloroethylvinyl Ether	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	2-Hexanone	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	2-Hexanone	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	2-Hexanone	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	2-Hexanone	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	2-Hexanone	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	2-Hexanone	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	4-Methyl-2-Pentanone	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	4-Methyl-2-Pentanone	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	4-Methyl-2-Pentanone	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	4-Methyl-2-Pentanone	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	4-Methyl-2-Pentanone	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	4-Methyl-2-Pentanone	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Acetone	16	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Acetone	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Acetone	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Acetone	16	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Acetone	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Acetone	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Benzene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Benzene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Benzene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Benzene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Benzene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Benzene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Bromodichloromethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Bromodichloromethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Bromodichloromethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Bromodichloromethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Bromodichloromethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Bromodichloromethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Bromoform	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Bromoform	< 5	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0805MW1B	61002102	Water	Product. Well, 2	Bromoform	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Bromoform	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Bromoform	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Bromoform	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Bromomethane	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Bromomethane	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Bromomethane	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Bromomethane	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Bromomethane	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Bromomethane	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Carbon Disulfide	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Carbon Disulfide	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Carbon Disulfide	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Carbon Disulfide	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Carbon Disulfide	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Carbon Disulfide	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Carbon Tetrachloride	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Carbon Tetrachloride	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Carbon Tetrachloride	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Carbon Tetrachloride	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Carbon Tetrachloride	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Carbon Tetrachloride	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Chlorobenzene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Chlorobenzene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Chlorobenzene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Chlorobenzene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Chlorobenzene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Chlorobenzene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Chloroethane	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Chloroethane	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Chloroethane	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Chloroethane	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Chloroethane	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Chloroethane	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Chloroform	< 5	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0804MW1B	61002101	Water	Product. Well, 1	Chloroform	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Chloroform	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Chloroform	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Chloroform	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Chloroform	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Chloromethane	< 10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Chloromethane	< 10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Chloromethane	< 10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Chloromethane	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Chloromethane	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Chloromethane	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Cis-1,3-Dichloropropene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Cis-1,3-Dichloropropene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Cis-1,3-Dichloropropene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Cis-1,3-Dichloropropene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Dibromochloromethane	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Dibromochloromethane	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Dibromochloromethane	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Dibromochloromethane	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Dibromochloromethane	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Dibromochloromethane	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Ethylbenzene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Ethylbenzene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Ethylbenzene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Ethylbenzene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Ethylbenzene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Ethylbenzene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Methylene Chloride	10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Methylene Chloride	5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Methylene Chloride	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Methylene Chloride	10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Methylene Chloride	5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Methylene Chloride	<5	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0803MW1B	61002100	Water	Product. Well, 3	Styrene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Styrene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Styrene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Styrene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Styrene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Styrene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Tetrachloroethene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Tetrachloroethene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Tetrachloroethene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Tetrachloroethene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Tetrachloroethene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Tetrachloroethene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Toluene	4	µg/L	B J
FE0804MW1B	61002101	Water	Product. Well, 1	Toluene	2	µg/L	B J
FE0805MW1B	61002102	Water	Product. Well, 2	Toluene	2	µg/L	B J
FE803WW1B	61002100	Water	Well 3-S	Toluene	4	µg/L	BJ
FE804WW1B	61002101	Water	Well 1-S	Toluene	2	µg/L	BJ
FE805WW1B	61002102	Water	Well 2-S	Toluene	2	µg/L	BJ
FE0803MW1B	61002100	Water	Product. Well, 3	Total Xylenes	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Total Xylenes	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Total Xylenes	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Total Xylenes	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Total Xylenes	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Total Xylenes	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Trans-1,2-Dichloroethene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Trans-1,2-Dichloroethene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Trans-1,2-Dichloroethene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Trans-1,2-Dichloroethene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Trans-1,3-Dichloropropene	< 5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Trans-1,3-Dichloropropene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Trans-1,3-Dichloropropene	<5	µg/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE805WW1B	61002102	Water	Well 2-S	Trans-1,3-Dichloropropene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Trichloroethene	<5	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Trichloroethene	<5	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Trichloroethene	<5	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Trichloroethene	<5	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Trichloroethene	<5	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Trichloroethene	<5	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Vinyl Acetate	<10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Vinyl Acetate	<10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Vinyl Acetate	<10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Vinyl Acetate	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Vinyl Acetate	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Vinyl Acetate	<10	µg/L	
FE0803MW1B	61002100	Water	Product. Well, 3	Vinyl Chloride	<10	µg/L	
FE0804MW1B	61002101	Water	Product. Well, 1	Vinyl Chloride	<10	µg/L	
FE0805MW1B	61002102	Water	Product. Well, 2	Vinyl Chloride	<10	µg/L	
FE803WW1B	61002100	Water	Well 3-S	Vinyl Chloride	<10	µg/L	
FE804WW1B	61002101	Water	Well 1-S	Vinyl Chloride	<10	µg/L	
FE805WW1B	61002102	Water	Well 2-S	Vinyl Chloride	<10	µg/L	
FE0803MW10C	87-4001	Water	Product. Well, 3	Bi-214	B	pCi/L	
FE0803MW9C	87-4001	Water	Product. Well, 3	Bi-214	B	pCi/L	
FE0804MW7C	87-4001	Water	Product. Well, 1	Bi-214	B	pCi/L	
FE0805MW7C	87-4001	Water	Product. Well, 2	Bi-214	B	pCi/L	
FE402013G	87-7221-01	Water	Well A	Bi-214	<27	µg/L	
FE404015G	87-7221-02	Water	Well B	Bi-214	<31	pCi/L	
FE406017A	87-7221-03	Water	Well C	Bi-214	13±4	pCi/L	
FE0803MW10C	87-4001	Water	Product. Well, 3	Cs-137	B	pCi/L	
FE0803MW9C	87-4001	Water	Product. Well, 3	Cs-137	A	pCi/L	
FE0804MW7C	87-4001	Water	Product. Well, 1	Cs-137	B	pCi/L	
FE0805MW7C	87-4001	Water	Product. Well, 2	Cs-137	A	pCi/L	
FE402013G	87-7221-01	Water	Well A	Cs-137	<17	µg/L	
FE404015G	87-7221-02	Water	Well B	Cs-137	<14	pCi/L	
FE0803MW10C	87-4001	Water	Product. Well, 3	Ra-226	B	pCi/L	G
FE0803MW9C	87-4001	Water	Product. Well, 3	Ra-226	B	pCi/L	G
FE0804MW7C	87-4001	Water	Product. Well, 1	Ra-226	B	pCi/L	G

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0805MW7C	87-4001	Water	Product. Well, 2	Ra-226	B	pCi/L	G
FE402013G	87-7221-01	Water	Well A	Ra-226	<22	µg/L	G
FE404015G	87-7221-02	Water	Well B	Ra-226	<22	pCi/L	G
FE406017A	87-7221-03	Water	Well C	Ra-226	<11	pCi/L	G
FE0803MW10C	87-4001	Water	Product. Well, 3	Th-228	B	pCi/L	G
FE0803MW9C	87-4001	Water	Product. Well, 3	Th-228	B	pCi/L	G
FE0804MW7C	87-4001	Water	Product. Well, 1	Th-228	B	pCi/L	G
FE0805MW7C	87-4001	Water	Product. Well, 2	Th-228	B	pCi/L	G
FE402013G	87-7221-01	Water	Well A	Th-228	<32	µg/L	G
FE404015G	87-7221-02	Water	Well B	Th-228	<32	pCi/L	G
FE0803MW10C	87-4001	Water	Product. Well, 3	Th-232	B	pCi/L	G
FE0803MW9C	87-4001	Water	Product. Well, 3	Th-232	B	pCi/L	G
FE0804MW7C	87-4001	Water	Product. Well, 1	Th-232	B	pCi/L	G
FE0805MW7C	87-4001	Water	Product. Well, 2	Th-232	B	pCi/L	G
FE402013G	87-7221-01	Water	Well A	Th-232	<42	µg/L	G
FE404015G	87-7221-02	Water	Well B	Th-232	<44	pCi/L	G
FE406017A	87-7221-03	Water	Well C	Th-232	<18	pCi/L	G
FE0803MW11C	87-0058-10	Water	Product. Well, 3	Total U	24	µg/L	
FE0803MW12C	87-0058-11	Water	Product. Well, 3	Total U	72	µg/L	
FE0803MW13C	87-0058-12	Water	Product. Well, 3	Total U	51	µg/L	
FE0803MW14C	87-0058-13	Water	Product. Well, 3	Total U	15	µg/L	
FE0804MW5C	87-0058-14	Water	Product. Well, 1	Total U	442	µg/L	
FE0804MW6C	87-0058-15	Water	Product. Well, 1	Total U	442	µg/L	
FE0805MW5C	87-0058-16	Water	Product. Well, 2	Total U	111	µg/L	
FE0805MW6C	87-0058-17	Water	Product. Well, 2	Total U	114	µg/L	
FE402013F	87-7220-01	Water	Well A	Total U	2.2	µg/L	
FE404015F	87-7220-02	Water	Well B	Total U	2.1	µg/L	
FE406017F	87-7220-03	Water	Well C	Total U	1.8	µg/L	
FE0803MW10C	87-4001	Water	Product. Well, 3	U-235	A	pCi/L	
FE0803MW9C	87-4001	Water	Product. Well, 3	U-235	B	pCi/L	
FE0804MW7C	87-4001	Water	Product. Well, 1	U-235	A	pCi/L	
FE0805MW7C	87-4001	Water	Product. Well, 2	U-235	A	pCi/L	
FE0803MW10C	87-4001	Water	Product. Well, 3	U-238	A	pCi/L	
FE0803MW9C	87-4001	Water	Product. Well, 3	U-238	B	pCi/L	
FE0804MW7C	87-4001	Water	Product. Well, 1	U-238	A	pCi/L	

Table E.9.2 (Cont.) Environmental Problem 9 Water Contamination: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0805MW7C	87-4001	Water	Product. Well, 2	U-238	A	pCi/L	

Table E.10.1 Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Ag	< 0.04	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Ag	< 0.04	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Ag	< 0.04	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Ag	< 0.04	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Ag	< 0.04	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Ag	< 0.04	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	Ag	< 0.04	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	Ag	< 0.04	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Ag	< 0.04	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Ag	< 0.04	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Ag	< 0.04	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Ag	< 0.04	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	As	< 0.5	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	As	< 0.5	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	As	< 0.5	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	As	< 0.5	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	As	< 0.5	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	As	< 0.5	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	As	< 0.5	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	As	< 0.5	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	As	< 0.5	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	As	< 0.5	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	As	< 0.5	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	As	< 0.5	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Ba	0.26	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Ba	0.18	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Ba	0.07	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Ba	0.08	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Ba	0.07	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Ba	0.19	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	Ba	0.07	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	Ba	0.11	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Ba	0.58	mg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Ba	0.59	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Ba	0.09	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Ba	0.08	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Cd	< 0.02	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Cd	< 0.02	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Cd	< 0.02	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Cd	< 0.02	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Cd	< 0.02	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Cd	< 0.02	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	Cd	< 0.02	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	Cd	< 0.02	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Cd	< 0.02	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Cd	< 0.02	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Cd	< 0.02	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Cd	< 0.02	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Cr	< 0.03	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Cr	< 0.03	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Cr	< 0.03	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Cr	< 0.03	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Cr	< 0.03	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Cr	< 0.03	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	Cr	< 0.03	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	Cr	< 0.03	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Cr	< 0.03	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Cr	< 0.03	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Cr	< 0.03	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Cr	< 0.03	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Hg	< 0.001	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Hg	< 0.001	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Hg	< 0.001	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Hg	< 0.001	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Hg	< 0.001	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Hg	< 0.001	mg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0706DW1C	87-0027-07	Water	D. W., Flicks Inn	Hg	< 0.001	mg/L	
FE0707DW1C	87-0027-08	Water	D. W., Liemesch	Hg	< 0.001	mg/L	
FE0708DW1C	87-0027-09	Water	D. Well, #13	Hg	< 0.001	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Hg	< 0.001	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Hg	< 0.001	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Hg	< 0.001	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Hg	< 0.001	mg/L	
FE0700DW1C	87-0127-01	Water	D. Well, Rumpke	Pb	< 0.3	mg/L	
FE0701DW1C	87-0127-02	Water	D. Well, Rolfe	Pb	< 0.3	mg/L	
FE0702DW1C	87-0127-03	Water	D. Well, Jackson	Pb	< 0.3	mg/L	
FE0703DW1C	87-0127-04	Water	D. W., Burwinkle	Pb	< 0.3	mg/L	
FE0704DW1C	87-0127-05	Water	D. W., Gieringer	Pb	< 0.3	mg/L	
FE0705DW1C	87-0127-06	Water	D. W., Strickers	Pb	< 0.3	mg/L	
FE0706DW1C	87-0127-08	Water	D. W., Flicks Inn	Pb	< 0.3	mg/L	
FE0707DW1C	87-0127-09	Water	D. W., Liemesch	Pb	< 0.3	mg/L	
FE0709DW1C	87-0127-10	Water	D W, Shaeffer Pal	Pb	< 0.3	mg/L	
FE0710DW1C	87-0127-11	Water	D W, Shaeffer Pal	Pb	< 0.3	mg/L	
FE0711DW1C	87-0127-12	Water	D W, Shaeffer Pal	Pb	< 0.3	mg/L	
FE0712DW1C	87-0127-13	Water	D W, Delta Steel	Pb	< 0.3	mg/L	
FE0700DW1C	87-0027-01	Water	D. Well, Rumpke	Se	< 0.5	mg/L	
FE0701DW1C	87-0027-02	Water	D. Well, Rolfe	Se	< 0.5	mg/L	
FE0702DW1C	87-0027-03	Water	D. Well, Jackson	Se	< 0.5	mg/L	
FE0703DW1C	87-0027-04	Water	D. W., Burwinkle	Se	< 0.5	mg/L	
FE0704DW1C	87-0027-05	Water	D. W., Gieringer	Se	< 0.5	mg/L	
FE0705DW1C	87-0027-06	Water	D. W., Strickers	Se	< 0.5	mg/L	
FE0706DW1C	87-0027-08	Water	D. W., Flicks Inn	Se	< 0.5	mg/L	
FE0707DW1C	87-0027-09	Water	D. W., Liemesch	Se	< 0.5	mg/L	
FE0709DW1C	87-0027-10	Water	D W, Shaeffer Pal	Se	< 0.5	mg/L	
FE0710DW1C	87-0027-11	Water	D W, Shaeffer Pal	Se	< 0.5	mg/L	
FE0711DW1C	87-0027-12	Water	D W, Shaeffer Pal	Se	< 0.5	mg/L	
FE0712DW1C	87-0027-13	Water	D W, Delta Steel	Se	< 0.5	mg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,1,1-Trichloroethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,1,1-Trichloroethane	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0702DW3B	61000627	Water	D. Well, Jackson	1,1,1-Trichloroethane	6	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,1,1-Trichloroethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,1,1-Trichloroethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,1,1-Trichloroethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,1,1-Trichloroethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,1,1-Trichloroethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,1,1-Trichloroethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,1,1-Trichloroethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,1,1-Trichloroethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,1,1-Trichloroethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,1,1-Trichloroethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,1,2,2-Tetrechloroethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,1,2-Trichloroethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,1,2-Trichloroethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,1,2-Trichloroethane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,1,2-Trichloroethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,1,2-Trichloroethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,1,2-Trichloroethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,1,2-Trichloroethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,1,2-Trichloroethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,1,2-Trichloroethane	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,1,2-Trichloroethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,1,2-Trichloroethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,1,2-Trichloroethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,1,2-Trichloroethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,1-Dichloroethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,1-Dichloroethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,1-Dichloroethane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,1-Dichloroethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,1-Dichloroethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,1-Dichloroethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,1-Dichloroethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,1-Dichloroethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,1-Dichloroethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,1-Dichloroethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,1-Dichloroethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,1-Dichloroethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,1-Dichloroethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,1-Dichloroethene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,1-Dichloroethene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,1-Dichloroethene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,1-Dichloroethene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,1-Dichloroethene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,1-Dichloroethene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,1-Dichloroethene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,1-Dichloroethene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,1-Dichloroethene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,1-Dichloroethene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,1-Dichloroethene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,1-Dichloroethene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,1-Dichloroethene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,2-Dichloroethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,2-Dichloroethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,2-Dichloroethane	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,2-Dichloroethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,2-Dichloroethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,2-Dichloroethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,2-Dichloroethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,2-Dichloroethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,2-Dichloroethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,2-Dichloroethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,2-Dichloroethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,2-Dichloroethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,2-Dichloroethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	1,2-Dichloropropane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	1,2-Dichloropropane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	1,2-Dichloropropane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	1,2-Dichloropropane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	1,2-Dichloropropane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	1,2-Dichloropropane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	1,2-Dichloropropane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	1,2-Dichloropropane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	1,2-Dichloropropane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	1,2-Dichloropropane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	1,2-Dichloropropane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	1,2-Dichloropropane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	1,2-Dichloropropane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	2-Butanone	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	2-Butanone	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	2-Butanone	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	2-Butanone	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	2-Butanone	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	2-Butanone	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	2-Butanone	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	2-Butanone	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	2-Butanone	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	2-Butanone	< 10	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	2-Butanone	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	2-Butanone	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	2-Butanone	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	2-Chloroethylvinyl Ether	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	2-Hexanone	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	2-Hexanone	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	2-Hexanone	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	2-Hexanone	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	2-Hexanone	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	2-Hexanone	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	2-Hexanone	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	2-Hexanone	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	2-Hexanone	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	2-Hexanone	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	2-Hexanone	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	2-Hexanone	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	2-Hexanone	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	4-Methyl-2-Pentanone	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	4-Methyl-2-Pentanone	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	4-Methyl-2-Pentanone	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	4-Methyl-2-Pentanone	< 10	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0704DW3B	61000629	Water	D. W., Gieringer	4-Methyl-2-Pentanone	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	4-Methyl-2-Pentanone	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	4-Methyl-2-Pentanone	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	4-Methyl-2-Pentanone	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	4-Methyl-2-Pentanone	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	4-Methyl-2-Pentanone	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	4-Methyl-2-Pentanone	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	4-Methyl-2-Pentanone	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	4-Methyl-2-Pentanone	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Acetone	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Acetone	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Acetone	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Acetone	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Acetone	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Acetone	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Acetone	13	µg/L	B
FE0707DW3B	61000632	Water	D. W., Liemesch	Acetone	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Acetone	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Acetone	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Acetone	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Acetone	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Acetone	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Benzene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Benzene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Benzene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Benzene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Benzene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Benzene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Benzene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Benzene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Benzene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Benzene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Benzene	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Benzene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Benzene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Bromodichloromethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Bromodichloromethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Bromodichloromethane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Bromodichloromethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Bromodichloromethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Bromodichloromethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Bromodichloromethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Bromodichloromethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Bromodichloromethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Bromodichloromethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Bromodichloromethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Bromodichloromethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Bromodichloromethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Bromoform	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Bromoform	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Bromoform	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Bromoform	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Bromoform	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Bromoform	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Bromoform	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Bromoform	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Bromoform	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Bromoform	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Bromoform	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Bromoform	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Bromoform	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Bromomethane	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Bromomethane	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Bromomethane	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Bromomethane	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Bromomethane	< 10	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0705DW3B	61000630	Water	D. W., Strickers	Bromomethane	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Bromomethane	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Bromomethane	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Bromomethane	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Bromomethane	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Bromomethane	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Bromomethane	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Bromomethane	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Carbon Disulfide	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Carbon Disulfide	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Carbon Disulfide	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Carbon Disulfide	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Carbon Disulfide	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Carbon Disulfide	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Carbon Disulfide	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Carbon Disulfide	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Carbon Disulfide	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Carbon Disulfide	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Carbon Disulfide	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Carbon Disulfide	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Carbon Disulfide	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Carbon Tetrachloride	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Carbon Tetrachloride	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Carbon Tetrachloride	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Carbon Tetrachloride	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Carbon Tetrachloride	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Carbon Tetrachloride	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Carbon Tetrachloride	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Carbon Tetrachloride	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Carbon Tetrachloride	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Carbon Tetrachloride	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Carbon Tetrachloride	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Carbon Tetrachloride	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0712DW3B	61001077	Water	D W, Delta Steel	Carbon Tetrachloride	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Chlorobenzene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Chlorobenzene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Chlorobenzene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Chlorobenzene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Chlorobenzene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Chlorobenzene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Chlorobenzene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Chlorobenzene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Chlorobenzene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Chlorobenzene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Chlorobenzene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Chlorobenzene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Chlorobenzene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Chloroethane	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Chloroethane	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Chloroethane	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Chloroethane	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Chloroethane	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Chloroethane	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Chloroethane	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Chloroethane	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Chloroethane	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Chloroethane	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Chloroethane	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Chloroethane	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Chloroethane	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Chloroform	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Chloroform	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Chloroform	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Chloroform	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Chloroform	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Chloroform	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Chloroform	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Chloroform	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Chloroform	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Chloroform	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Chloroform	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Chloroform	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Chloroform	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Chloromethane	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Chloromethane	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Chloromethane	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Chloromethane	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Chloromethane	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Chloromethane	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Chloromethane	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Chloromethane	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Chloromethane	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Chloromethane	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Chloromethane	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Chloromethane	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Chloromethane	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Cis-1,3-Dichloropropene	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0700DW3B	61000625	Water	D. Well, Rumpke	Dibromochloromethane	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Dibromochloromethane	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Dibromochloromethane	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Dibromochloromethane	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Dibromochloromethane	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Dibromochloromethane	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Dibromochloromethane	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Dibromochloromethane	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Dibromochloromethane	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Dibromochloromethane	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Dibromochloromethane	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Dibromochloromethane	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Dibromochloromethane	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Ethylbenzene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Ethylbenzene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Ethylbenzene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Ethylbenzene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Ethylbenzene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Ethylbenzene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Ethylbenzene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Ethylbenzene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Ethylbenzene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Ethylbenzene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Ethylbenzene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Ethylbenzene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Ethylbenzene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Methylene Chloride	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Methylene Chloride	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Methylene Chloride	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Methylene Chloride	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Methylene Chloride	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Methylene Chloride	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Methylene Chloride	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0707DW3B	61000632	Water	D. W., Liemesch	Methylene Chloride	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Methylene Chloride	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Methylene Chloride	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Methylene Chloride	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Methylene Chloride	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Methylene Chloride	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Styrene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Styrene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Styrene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Styrene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Styrene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Styrene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Styrene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Styrene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Styrene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Styrene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Styrene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Styrene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Styrene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Tetrachloroethene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Tetrachloroethene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Tetrachloroethene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Tetrachloroethene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Tetrachloroethene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Tetrachloroethene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Tetrachloroethene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Tetrachloroethene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Tetrachloroethene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Tetrachloroethene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Tetrachloroethene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Tetrachloroethene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Tetrachloroethene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Toluene	2	µg/L	BJ

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0701DW3B	61000626	Water	D. Well, Rolfe	Toluene	2	µg/L	B J
FE0702DW3B	61000627	Water	D. Well, Jackson	Toluene	2	µg/L	B J
FE0703DW3B	61000628	Water	D. W., Burwinkle	Toluene	2	µg/L	B J
FE0704DW3B	61000629	Water	D. W., Gieringer	Toluene	2	µg/L	B J
FE0705DW3B	61000630	Water	D. W., Strickers	Toluene	2	µg/L	B J
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Toluene	2	µg/L	B J
FE0707DW3B	61000632	Water	D. W., Liemesch	Toluene	2	µg/L	B J
FE0708DW3B	61000633	Water	D. Well, #13	Toluene	2	µg/L	B J
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Toluene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Toluene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Toluene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Toluene	2	µg/L	B J
FE0700DW3B	61000625	Water	D. Well, Rumpke	Total Xylenex	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Total Xylenex	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Total Xylenex	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Total Xylenex	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Total Xylenex	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Total Xylenex	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Total Xylenex	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Total Xylenex	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Total Xylenex	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Total Xylenex	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Total Xylenex	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Total Xylenex	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Total Xylenex	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Trans-1,2-Dichloroethene	< 5	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0708DW3B	61000633	Water	D. Well, #13	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Trichloroethene	< 5	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Trichloroethene	< 5	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Trichloroethene	< 5	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Trichloroethene	< 5	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Trichloroethene	< 5	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Trichloroethene	< 5	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Trichloroethene	< 5	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Trichloroethene	< 5	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Trichloroethene	< 5	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Trichloroethene	< 5	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Trichloroethene	< 5	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Trichloroethene	< 5	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Trichloroethene	< 5	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Vinyl Acetate	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Vinyl Acetate	< 10	µg/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0702DW3B	61000627	Water	D. Well, Jackson	Vinyl Acetate	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Vinyl Acetate	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Vinyl Acetate	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Vinyl Acetate	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Vinyl Acetate	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Vinyl Acetate	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Vinyl Acetate	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Vinyl Acetate	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Vinyl Acetate	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Vinyl Acetate	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Vinyl Acetate	< 10	µg/L	
FE0700DW3B	61000625	Water	D. Well, Rumpke	Vinyl Chloride	< 10	µg/L	
FE0701DW3B	61000626	Water	D. Well, Rolfe	Vinyl Chloride	< 10	µg/L	
FE0702DW3B	61000627	Water	D. Well, Jackson	Vinyl Chloride	< 10	µg/L	
FE0703DW3B	61000628	Water	D. W., Burwinkle	Vinyl Chloride	< 10	µg/L	
FE0704DW3B	61000629	Water	D. W., Gieringer	Vinyl Chloride	< 10	µg/L	
FE0705DW3B	61000630	Water	D. W., Strickers	Vinyl Chloride	< 10	µg/L	
FE0706DW3B	61000631	Water	D. W., Flicks Inn	Vinyl Chloride	< 10	µg/L	
FE0707DW3B	61000632	Water	D. W., Liemesch	Vinyl Chloride	< 10	µg/L	
FE0708DW3B	61000633	Water	D. Well, #13	Vinyl Chloride	< 10	µg/L	
FE0709DW3B	61001074	Water	D W, Shaeffer Pal	Vinyl Chloride	< 10	µg/L	
FE0710DW3B	61001075	Water	D W, Shaeffer Pal	Vinyl Chloride	< 10	µg/L	
FE0711DW3B	61001076	Water	D W, Shaeffer Pal	Vinyl Chloride	< 10	µg/L	
FE0712DW3B	61001077	Water	D W, Delta Steel	Vinyl Chloride	< 10	µg/L	
FE0700DW2C	87-4001	Water	D. Well, Rumpke	Bi-214	B	pCi/L	
FE0701DW2C	87-4001	Water	D. Well, Rolfe	Bi-214	B	pCi/L	
FE0702DW2C	87-4001	Water	D. Well, Jackson	Bi-214	B	pCi/L	
FE0703DW2C	87-4001	Water	D. W., Burwinkle	Bi-214	B	pCi/L	
FE0704DW2C	87-4001	Water	D. W., Gieringer	Bi-214	B	pCi/L	
FE0705DW2C	87-4001	Water	D. W., Strickers	Bi-214	B	pCi/L	
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	Bi-214	B	pCi/L	
FE0707DW2C	87-4001	Water	D. W., Liemesch	Bi-214	B	pCi/L	
FE0708DW2C	87-4001	Water	D. Well, #13	Bi-214	B	pCi/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	Bi-214	B	pCi/L	
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	Bi-214	B	pCi/L	
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	Bi-214	B	pCi/L	
FE0712DW2C	87-4001	Water	D W, Delta Steel	Bi-214	B	pCi/L	
FE0700DW2C	87-4001	Water	D. Well, Rumpke	Cs-137	B	pCi/L	
FE0701DW2C	87-4001	Water	D. Well, Rolfe	Cs-137	A	pCi/L	
FE0702DW2C	87-4001	Water	D. Well, Jackson	Cs-137	B	pCi/L	
FE0703DW2C	87-4001	Water	D. W., Burwinkle	Cs-137	B	pCi/L	
FE0704DW2C	87-4001	Water	D. W., Gieringer	Cs-137	B	pCi/L	
FE0705DW2C	87-4001	Water	D. W., Strickers	Cs-137	B	pCi/L	
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	Cs-137	A	pCi/L	
FE0707DW2C	87-4001	Water	D. W., Liemesch	Cs-137	B	pCi/L	
FE0708DW2C	87-4001	Water	D. Well, #13	Cs-137	B	pCi/L	
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	Cs-137	B	pCi/L	
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	Cs-137	A	pCi/L	
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	Cs-137	B	pCi/L	
FE0712DW2C	87-4001	Water	D W, Delta Steel	Cs-137	B	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Np-237	< 0.02	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Np-237	0.06 ± 0.01	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Np-237	< 0.02	pCi/L	
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Np-237	< 0.02	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Np-237	< 0.02	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Np-237	< 0.02	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Np-237	< 0.02	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Np-237	< 0.02	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Np-237	< 0.02	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Np-237	< 0.02	pCi/L	
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Np-237	< 0.02	pCi/L	
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Np-237	< 0.02	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Np-237	0.58 ± 0.04	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Pu-238	< 0.12	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Pu-238	< 0.13	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Pu-238	< 0.13	pCi/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Pu-238	< 0.12	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Pu-238	< 0.12	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Pu-238	< 0.13	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Pu-238	< 0.12	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Pu-238	< 0.12	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Pu-238	< 0.12	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-238	< 0.12	pCi/L	
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-238	< 0.12	pCi/L	
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-238	< 0.12	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Pu-238	< 0.12	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Pu-239 + Pu-240	0.04 ± 0.01	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-239 + Pu-240	< 0.03	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Pu-239 + Pu-240	< 0.04	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Pu-241 + Pu-242	< 0.02	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Pu-241 + Pu-242	0.03 ± 0.01	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Pu-241 + Pu-242	< 0.02	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-241 + Pu-242	< 0.02	pCi/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0700DW2C	87-4001	Water	D. Well, Rumpke	Ra-226	B	pCi/L	G
FE0701DW2C	87-4001	Water	D. Well, Rolfe	Ra-226	B	pCi/L	G
FE0702DW2C	87-4001	Water	D. Well, Jackson	Ra-226	B	pCi/L	G
FE0703DW2C	87-4001	Water	D. W., Burwinkle	Ra-226	A	pCi/L	G
FE0704DW2C	87-4001	Water	D. W., Gieringer	Ra-226	A	pCi/L	G
FE0705DW2C	87-4001	Water	D. W., Strickers	Ra-226	A	pCi/L	G
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	Ra-226	B	pCi/L	G
FE0707DW2C	87-4001	Water	D. W., Liemesch	Ra-226	B	pCi/L	G
FE0708DW2C	87-4001	Water	D. Well, #13	Ra-226	B	pCi/L	G
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	Ra-226	B	pCi/L	G
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	Ra-226	B	pCi/L	G
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	Ra-226	B	pCi/L	G
FE0712DW2C	87-4001	Water	D W, Delta Steel	Ra-226	B	pCi/L	G
FE0700DW2	87-4009	Water	D. Well, Rumpke	Th-227	< 0.07	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Th-227	< 0.10	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Th-227	< 0.23	pCi/L	
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Th-227	< 0.19	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Th-227	< 0.07	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Th-227	0.24 ± 0.03	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Th-227	0.71 ± 0.12	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Th-227	< 0.13	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Th-227	< 0.17	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Th-227	< 0.07	pCi/L	
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Th-227	< 0.06	pCi/L	
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Th-227	0.3 ± 0.03	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Th-227	0.17 ± 0.02	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Th-228	0.16 ± 0.02	pCi/L	A
FE0700DW2C	87-4001	Water	D. Well, Rumpke	Th-228	B	pCi/L	G
FE0701DW2	87-4009	Water	D. Well, Rolfe	Th-228	< 0.05	pCi/L	A
FE0701DW2C	87-4001	Water	D. Well, Rolfe	Th-228	B	pCi/L	G

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0702DW2C	87-4001	Water	D. Well, Jackson	Th-228	B	pCi/L	G
FE0702DW2C	87-4009	Water	D. Well, Jackson	Th-228	< 0.10	pCi/L	A
FE0703DW2C	87-4001	Water	D. W., Burwinkle	Th-228	A	pCi/L	G
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Th-228	< 0.07	pCi/L	A
FE0704DW2C	87-4001	Water	D. W., Gieringer	Th-228	A	pCi/L	G
FE0704DW2C	87-4009	Water	D. W., Gieringer	Th-228	0.12 ± 0.02	pCi/L	A
FE0705DW2C	87-4001	Water	D. W., Strickers	Th-228	A	pCi/L	G
FE0705DW2C	87-4009	Water	D. W., Strickers	Th-228	0.04 ± 0.01	pCi/L	A
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	Th-228	B	pCi/L	G
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Th-228	< 0.11	pCi/L	A
FE0707DW2C	87-4001	Water	D. W., Liemesch	Th-228	B	pCi/L	G
FE0707DW2C	87-4009	Water	D. W., Liemesch	Th-228	< 0.04	pCi/L	A
FE0708DW2C	87-4001	Water	D. Well, #13	Th-228	B	pCi/L	G
FE0708DW2C	87-4009	Water	D. Well, #13	Th-228	< 0.04	pCi/L	A
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	Th-228	A	pCi/L	G
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Th-228	0.05 ± 0.01	pCi/L	A
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	Th-228	B	pCi/L	G
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Th-228	0.09 ± 0.02	pCi/L	A
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	Th-228	A	pCi/L	G
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Th-228	< 0.03	pCi/L	A
FE0712DW2C	87-4001	Water	D W, Delta Steel	Th-228	B	pCi/L	G
FE0712DW2C	87-4009	Water	D W, Delta Steel	Th-228	0.04 ± 0.01	pCi/L	A
FE0700DW2	87-4009	Water	D. Well, Rumpke	Th-230	< 0.02	pCi/L	
FE0701DW2	87-4009	Water	D. Well, Rolfe	Th-230	< 0.02	pCi/L	
FE0702DW2C	87-4009	Water	D. Well, Jackson	Th-230	< 0.05	pCi/L	
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Th-230	< 0.02	pCi/L	
FE0704DW2C	87-4009	Water	D. W., Gieringer	Th-230	< 0.02	pCi/L	
FE0705DW2C	87-4009	Water	D. W., Strickers	Th-230	< 0.01	pCi/L	
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Th-230	< 0.03	pCi/L	
FE0707DW2C	87-4009	Water	D. W., Liemesch	Th-230	< 0.03	pCi/L	
FE0708DW2C	87-4009	Water	D. Well, #13	Th-230	< 0.02	pCi/L	
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Th-230	< 0.03	pCi/L	
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Th-230	< 0.02	pCi/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Th-230	< 0.01	pCi/L	
FE0712DW2C	87-4009	Water	D W, Delta Steel	Th-230	0.02 ± 0.01	pCi/L	
FE0700DW2	87-4009	Water	D. Well, Rumpke	Th-232	< 0.02	pCi/L	A
FE0700DW2C	87-4001	Water	D. Well, Rumpke	Th-232	B	pCi/L	G
FE0701DW2	87-4009	Water	D. Well, Rolfe	Th-232	< 0.02	pCi/L	A
FE0701DW2C	87-4001	Water	D. Well, Rolfe	Th-232	B	pCi/L	G
FE0702DW2C	87-4001	Water	D. Well, Jackson	Th-232	B	pCi/L	G
FE0702DW2C	87-4009	Water	D. Well, Jackson	Th-232	< 0.03	pCi/L	A
FE0703DW2C	87-4001	Water	D. W., Burwinkle	Th-232	B	pCi/L	G
FE0703DW2C	87-4009	Water	D. W., Burwinkle	Th-232	< 0.02	pCi/L	A
FE0704DW2C	87-4001	Water	D. W., Gieringer	Th-232	B	pCi/L	G
FE0704DW2C	87-4009	Water	D. W., Gieringer	Th-232	< 0.01	pCi/L	A
FE0705DW2C	87-4001	Water	D. W., Strickers	Th-232	B	pCi/L	G
FE0705DW2C	87-4009	Water	D. W., Strickers	Th-232	< 0.01	pCi/L	A
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	Th-232	A	pCi/L	G
FE0706DW2C	87-4009	Water	D. W., Flicks Inn	Th-232	< 0.06	pCi/L	A
FE0707DW2C	87-4001	Water	D. W., Liemesch	Th-232	B	pCi/L	G
FE0707DW2C	87-4009	Water	D. W., Liemesch	Th-232	< 0.01	pCi/L	A
FE0708DW2C	87-4001	Water	D. Well, #13	Th-232	B	pCi/L	G
FE0708DW2C	87-4009	Water	D. Well, #13	Th-232	< 0.01	pCi/L	A
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	Th-232	B	pCi/L	G
FE0709DW2C	87-4009	Water	D W, Shaeffer Pal	Th-232	< 0.05	pCi/L	A
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	Th-232	B	pCi/L	G
FE0710DW2C	87-4009	Water	D W, Shaeffer Pal	Th-232	< 0.01	pCi/L	A
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	Th-232	B	pCi/L	G
FE0711DW2C	87-4009	Water	D W, Shaeffer Pal	Th-232	< 0.01	pCi/L	A
FE0712DW2C	87-4001	Water	D W, Delta Steel	Th-232	B	pCi/L	G
FE0712DW2C	87-4009	Water	D W, Delta Steel	Th-232	< 0.01	pCi/L	A
FE0700DW2C	87-4001	Water	D. Well, Rumpke	U-235	B	pCi/L	
FE0701DW2C	87-4001	Water	D. Well, Rolfe	U-235	B	pCi/L	
FE0702DW2C	87-4001	Water	D. Well, Jackson	U-235	A	pCi/L	
FE0703DW2C	87-4001	Water	D. W., Burwinkle	U-235	A	pCi/L	
FE0704DW2C	87-4001	Water	D. W., Gieringer	U-235	A	pCi/L	

Table E.10.1 (Cont.) Environmental Problem 10 Off-Site Groundwater Contamination: Domestic Wells: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0705DW2C	87-4001	Water	D. W., Strickers	U-235	A	pCi/L	
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	U-235	B	pCi/L	
FE0707DW2C	87-4001	Water	D. W., Liemesch	U-235	A	pCi/L	
FE0708DW2C	87-4001	Water	D. Well, #13	U-235	A	pCi/L	
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	U-235	A	pCi/L	
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	U-235	B	pCi/L	
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	U-235	A	pCi/L	
FE0712DW2C	87-4001	Water	D W, Delta Steel	U-235	A	pCi/L	
FE0700DW2C	87-4001	Water	D. Well, Rumpke	U-238	B	pCi/L	
FE0701DW2C	87-4001	Water	D. Well, Rolfe	U-238	A	pCi/L	
FE0702DW2C	87-4001	Water	D. Well, Jackson	U-238	A	pCi/L	
FE0703DW2C	87-4001	Water	D. W., Burwinkle	U-238	A	pCi/L	
FE0704DW2C	87-4001	Water	D. W., Gieringer	U-238	A	pCi/L	
FE0705DW2C	87-4001	Water	D. W., Strickers	U-238	A	pCi/L	
FE0706DW2C	87-4001	Water	D. W., Flicks Inn	U-238	B	pCi/L	
FE0707DW2C	87-4001	Water	D. W., Liemesch	U-238	A	pCi/L	
FE0708DW2C	87-4001	Water	D. Well, #13	U-238	A	pCi/L	
FE0709DW2C	87-4001	Water	D W, Shaeffer Pal	U-238	A	pCi/L	
FE0710DW2C	87-4001	Water	D W, Shaeffer Pal	U-238	B	pCi/L	
FE0711DW2C	87-4001	Water	D W, Shaeffer Pal	U-238	A	pCi/L	
FE0712DW2C	87-4001	Water	D W, Delta Steel	U-238	B	pCi/L	

Table E.11.1 Environmental Problem 11 Abandoned Tanks: Solid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Ag	< 0.1	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	As	< 0.5	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Ba	0.40	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Cd	0.08	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Cr	< 0.03	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Hg	< 0.001	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Pb	< 0.3	mg/L	
FE0301TK1B	87-0133-01	S.Waste	Pit 2	Se	< 0.5	mg/L	
FE0301TK1B	87-4009	S.Waste	Pit 2	Np-237	0.24 ± 0.01	pCi/g	
FE0301TK1B	87-4009	S.Waste	Pit 2	Pu-238	0.06 ± 0.01	pCi/g	
FE0301TK1B	87-4009	S.Waste	Pit 2	Pu-239 + Pu-240	< 0.0024	pCi/g	
FE0301TK1B	87-4009	S.Waste	Pit 2	Pu-241 + Pu-242	0.12 ± 0.01	pCi/g	
FE0301TK1B	87-4009	S.Waste	Pit 2	Ra-226	1.93 ± 0.13	pCi/g	K
FE0301TK1B	87-4009	S.Waste	Pit 2	Ra-228	2.31 ± 0.48	pCi/g	K
FE0301TK1B	87-0134-01	S.Waste	Pit 2	Total U	635	mg/kg	

Table E.11.2 Environmental Problem 11 Abandoned Tanks: Sludge Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Ag	< 0.1	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	As	< 0.5	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Ba	0.08	mg/L	B
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Cd	< 0.02	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Cr	0.22	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Hg	< 0.001	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Pb	< 0.3	mg/L	
FE0308TK1B	87-0126-01	Sludge	Pit 2 Tank 2 & 3	Se	< 0.5	mg/L	
FE0308TK1B	8100612	Sludge	Pit 2 Tank 2 & 3	Np-237	19 ± 1	pCi/g	
FE0308TK1B	8100612	Sludge	Pit 2 Tank 2 & 3	Pu-238	1.7 ± 0.2	pCi/g	
FE0308TK1B	8100612	Sludge	Pit 2 Tank 2 & 3	Pu-239 + Pu-240	0.3 ± 0.1	pCi/g	
FE0308TK1B	8100612	Sludge	Pit 2 Tank 2 & 3	Ra-226	65.21 ± 2.91	pCi/g	K
FE0308TK1B	8100612	Sludge	Pit 2 Tank 2 & 3	Ra-228	47.88 ± 10.12	pCi/g	K
FE0308TK1B	8100638	Sludge	Pit 2 Tank 2 & 3	Th-227	11 ± 1	pCi/g	
FE0308TK1B	8100638	Sludge	Pit 2 Tank 2 & 3	Th-228	19 ± 1	pCi/g	A
FE0308TK1B	8100638	Sludge	Pit 2 Tank 2 & 3	Th-229	< 0.1	pCi/g	
FE0308TK1B	8100638	Sludge	Pit 2 Tank 2 & 3	Th-230	360 ± 10	pCi/g	
FE0308TK1B	8100638	Sludge	Pit 2 Tank 2 & 3	Th-232	17 ± 1	pCi/g	A
FE0308TK1B	87-0116-01	Sludge	Pit 2 Tank 2 & 3	Total U	8570	mg/kg	

Table E.11.3 Environmental Problem 11 Abandoned Tanks: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0301TK1B	86-7006	Soil	Pit 2	1,1,1-Trichloroethane	7	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,1,2-Trichloroethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,1-Dichloroethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,1-Dichloroethene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,2-Dichloroethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	1,2-Dichloropropane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	2-Butanone	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	2-Hexanone	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	4-Methyl-2-Pentanone	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Acetone	20	µg/kg	B
FE0301TK1B	86-7006	Soil	Pit 2	Benzene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Bromodichloromethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Bromoform	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Bromomethane	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Carbon Disulfide	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Carbon Tetrachloride	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Chlorobenzene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Chloroethane	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Chloroform	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Chloromethane	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Dibromochloromethane	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Ethylbenzene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Methylene Chloride	4	µg/kg	J
FE0301TK1B	86-7006	Soil	Pit 2	Styrene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Tetrachloroethene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Toluene	2	µg/kg	BJ
FE0301TK1B	86-7006	Soil	Pit 2	Total Xylenes	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Trans-1,3-Dichloropropene	<5	µg/kg	

Table E.11.3 (Cont.) Environmental Problem 11 Abandoned Tanks: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0301TK1B	86-7006	Soil	Pit 2	Trichloroethene	<5	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Vinyl Acetate	<10	µg/kg	
FE0301TK1B	86-7006	Soil	Pit 2	Vinyl Chloride	<10	µg/kg	

Table E.12.1 Environmental Problem 12 Wastewater Treatment and Discharge: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0719SE3B	86-7004	Sediment	Pit 5	1,1,1-Trichloroethane	29	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,1,1-Trichloroethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,1,1-Trichloroethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,1,2-Trichloroethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,1,2-Trichloroethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,1,2-Trichloroethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,1-Dichloroethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,1-Dichloroethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,1-Dichloroethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,1-Dichloroethene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,1-Dichloroethene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,1-Dichloroethene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,2-Dichloroethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,2-Dichloroethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,2-Dichloroethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	1,2-Dichloropropane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	1,2-Dichloropropane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	1,2-Dichloropropane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	2-Butanone	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	2-Butanone	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	2-Butanone	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	2-Hexanone	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	2-Hexanone	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	2-Hexanone	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	4-Methyl-2-Pentanone	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	4-Methyl-2-Pentanone	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	4-Methyl-2-Pentanone	<10	µg/kg	

Table E.12.1 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0719SE3B	86-7004	Sediment	Pit 5	Acetone	440	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Acetone	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Acetone	19	µg/kg	B
FE0719SE3B	86-7004	Sediment	Pit 5	Benzene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Benzene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Benzene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Bromodichloromethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Bromodichloromethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Bromodichloromethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Bromoform	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Bromoform	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Bromoform	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Bromomethane	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Bromomethane	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Bromomethane	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Carbon Disulfide	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Carbon Disulfide	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Carbon Disulfide	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Carbon Tetrachloride	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Carbon Tetrachloride	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Carbon Tetrachloride	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Chlorobenzene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Chlorobenzene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Chlorobenzene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Chloroethane	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Chloroethane	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Chloroethane	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Chloroform	140	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Chloroform	7	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Chloroform	8	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Chloromethane	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Chloromethane	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Chloromethane	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Cis-1,3-Dichloropropene	<5	µg/kg	

Table E.12.1 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0720SE3B	86-7004	Sediment	Pit 6	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Dibromochloromethane	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Dibromochloromethane	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Dibromochloromethane	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Ethylbenzene	3	µg/kg	J
FE0720SE3B	86-7004	Sediment	Pit 6	Ethylbenzene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Ethylbenzene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Methylene Chloride	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Methylene Chloride	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Methylene Chloride	5	µg/kg	BJ
FE0719SE3B	86-7004	Sediment	Pit 5	Styrene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Styrene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Styrene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Tetrachloroethene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Tetrachloroethene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Tetrachloroethene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Toluene	4	µg/kg	BJ
FE0720SE3B	86-7004	Sediment	Pit 6	Toluene	5	µg/kg	B
FE0721SE3B	86-7004	Sediment	Clear Well	Toluene	4	µg/kg	BJ
FE0719SE3B	86-7004	Sediment	Pit 5	Total Xylenes	24	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Total Xylenes	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Total Xylenes	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Trichloroethene	<5	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Trichloroethene	<5	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Trichloroethene	<5	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Vinyl Acetate	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Vinyl Acetate	<10	µg/kg	

Table E.12.1 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Sediment Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0721SE3B	86-7004	Sediment	Clear Well	Vinyl Acetate	<10	µg/kg	
FE0719SE3B	86-7004	Sediment	Pit 5	Vinyl Chloride	<10	µg/kg	
FE0720SE3B	86-7004	Sediment	Pit 6	Vinyl Chloride	<10	µg/kg	
FE0721SE3B	86-7004	Sediment	Clear Well	Vinyl Chloride	<10	µg/kg	

Table E.12.2 Environmental Problem 12 Wastewater Treatment and Discharge: Soil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0719SE4B	861208007-29	Soil	Pit 5	Asbestos	ND	-	
FE0720SE4B	861208007-30	Soil	Pit 6	Asbestos	ND	-	
FE0719SE1B	87-0084-15	Soil	Pit 5	Hg	< 0.001	mg/L	
FE0720SE1B	87-0084-16	Soil	Pit 6	Hg	< 0.001	mg/L	
FE0721SE1B	87-0084-19	Soil	Clear Well	Hg	< 0.001	mg/L	
FE0719SE2B	87-4001	Soil	Pit 5	Bi-214	24 ± 1	pCi/g	
FE0720SE2B	87-4001	Soil	Pit 6	Bi-214	B	pCi/g	
FE0721SE2B	87-4001	Soil	Clear Well	Bi-214	7.9 ± 0.3	pCi/g	
FE0719SE2B	87-4001	Soil	Pit 5	Cs-137	1.6 ± 0.1	pCi/g	
FE0720SE2B	87-4001	Soil	Pit 6	Cs-137	26 ± 1	pCi/g	
FE0721SE2B	87-4001	Soil	Clear Well	Cs-137	58 ± 1	pCi/g	
FE0719SE2B	87-4001	Soil	Pit 5	Ra-226	25 ± 1	pCi/g	G
FE0720SE2B	87-4001	Soil	Pit 6	Ra-226	1.6 ± 0.3	pCi/g	G
FE0721SE2B	87-4001	Soil	Clear Well	Ra-226	8 ± 0.3	pCi/g	G
FE0719SE2B	87-4001	Soil	Pit 5	Th-228	36 ± 1	pCi/g	G
FE0720SE2B	87-4001	Soil	Pit 6	Th-228	5.6 ± 0.7	pCi/g	G
FE0721SE2B	87-4001	Soil	Clear Well	Th-228	8.3 ± 0.3	pCi/g	G
FE0719SE2B	87-4001	Soil	Pit 5	Th-232	24 ± 1	pCi/g	G
FE0720SE2B	87-4001	Soil	Pit 6	Th-232	1.7 ± 0.5	pCi/g	G
FE0721SE2B	87-4001	Soil	Clear Well	Th-232	8.1 ± 0.4	pCi/g	G
FE0719SE1B	87-0060-08	Soil	Pit 5	Total U	4270	mg/kg	
FE0720SE1B	87-0060-09	Soil	Pit 6	Total U	32100	mg/kg	
FE0721SE1B	87-0060-10	Soil	Clear Well	Total U	306	mg/kg	
FE0719SE2B	87-4001	Soil	Pit 5	U-235	33 ± 1	pCi/g	
FE0720SE2B	87-4001	Soil	Pit 6	U-235	71 ± 1	pCi/g	
FE0721SE2B	87-4001	Soil	Clear Well	U-235	1.7 ± 0.1	pCi/g	
FE0719SE2B	87-4001	Soil	Pit 5	U-238	2046 ± 32	pCi/g	
FE0720SE2B	87-4001	Soil	Pit 6	U-238	16650 ± 100	pCi/g	
FE0721SE2B	87-4001	Soil	Clear Well	U-238	176 ± 13	pCi/g	

Table E.12.3 Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0715OT5B	3394-1	Water	Pit 5	Asbestor-Fibers>10µm	ND	MFL	
FE0716OT5B	3394-2	Water	Pit 5	Asbestor-Fibers>10µm	ND	MFL	
FE0717OT5B	3394-3	Water	Pit 6	Asbestor-Fibers>10µm	ND	MFL	
FE0718OT5B	3394-4	Water	Pit 6	Asbestor-Fibers>10µm	ND	MFL	
FE0717OT5B	3394-3	Water	Pit 6	Asbestor-Fibers>10µm	8.19	MFL	
FE0715OT5B	3394-1	Water	Pit 5	Asbestos-Total	ND	MFL	
FE0716OT5B	3394-2	Water	Pit 5	Asbestos-Total	1.37	MFL	
FE0718OT5B	3394-4	Water	Pit 6	Asbestos-Total	5.46	MFL	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Ag	< 0.04	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	Ag	< 0.04	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	Ag	< 0.04	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	Ag	< 0.04	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Ag	< 0.04	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Ag	< 0.04	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Ag	< 0.04	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Ag	< 0.04	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Ag	< 0.04	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	Ag	< 0.04	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Ag	< 0.04	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Ag	< 0.04	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Ag	< 0.04	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	Ag	< 0.04	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Ag	< 0.04	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Ag	< 0.04	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Ag	< 0.04	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Ag	< 0.1	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Ag	< 0.1	mg/L	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	As	< 0.5	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	As	< 0.5	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	As	< 0.5	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	As	< 0.5	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	As	< 0.5	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	As	< 0.5	mg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0715OT2C	87-0076-02	Water	Pit 5	As	< 0.5	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	As	< 0.5	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	As	< 0.5	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	As	< 0.5	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	As	< 0.5	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	As	< 0.5	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	As	< 0.5	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	As	< 0.5	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	As	< 0.5	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	As	< 0.5	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	As	< 0.5	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	As	< 0.5	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	As	< 0.5	mg/L	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Ba	0.16	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	Ba	0.09	mg/L	D
FE0713OT2C	87-0027-15	Water	Clear Well	Ba	0.22	mg/L	D
FE0714OT1C	87-0027-16	Water	Clear Well	Ba	0.13	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Ba	0.14	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Ba	0.06	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Ba	0.07	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Ba	0.06	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Ba	2.48	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	Ba	2.58	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Ba	2.99	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Ba	0.14	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Ba	0.15	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	Ba	0.12	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Ba	0.05	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Ba	0.06	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Ba	0.06	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Ba	< 0.05	mg/L	B
FE0727OT4C	87-0111-02	Water	General Sump	Ba	< 0.05	mg/L	B
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Cd	< 0.02	mg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0713OT1C	87-0027-14	Water	Clear Well	Cd	< 0.02	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	Cd	< 0.02	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	Cd	< 0.02	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Cd	< 0.02	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Cd	< 0.02	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Cd	< 0.02	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Cd	< 0.02	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Cd	< 0.02	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	Cd	< 0.02	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Cd	< 0.02	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Cd	< 0.02	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Cd	< 0.02	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	Cd	< 0.02	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Cd	< 0.02	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Cd	< 0.02	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Cd	< 0.02	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Cd	< 0.02	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Cd	< 0.02	mg/L	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Cr	< 0.03	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	Cr	< 0.03	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	Cr	< 0.03	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	Cr	< 0.03	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Cr	< 0.03	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Cr	< 0.03	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Cr	< 0.03	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Cr	< 0.03	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Cr	0.07	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	Cr	0.05	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Cr	0.05	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Cr	< 0.03	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Cr	< 0.03	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	Cr	< 0.03	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Cr	< 0.03	mg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0718OT2C	87-0076-05	Water	Pit 6	Cr	< 0.03	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Cr	< 0.03	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Cr	< 0.03	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Cr	< 0.03	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	Hg	0.001	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	Hg	< 0.001	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	Hg	< 0.001	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Hg	< 0.001	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Hg	< 0.001	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Hg	< 0.001	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Hg	< 0.001	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Hg	< 0.001	mg/L	S
FE0716OT2C	87-0027-19	Water	Pit 5	Hg	< 0.001	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Hg	< 0.001	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Hg	< 0.001	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Hg	< 0.001	mg/L	S
FE0717OT3C	87-0027-23	Water	Pit 6	Hg	< 0.001	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Hg	< 0.001	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Hg	< 0.001	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Hg	< 0.001	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Hg	< 0.001	mg/L	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Pb	< 0.3	mg/L	
FE0713OT1C	87-0127-14	Water	Clear Well	Pb	< 0.3	mg/L	
FE0713OT2C	87-0127-15	Water	Clear Well	Pb	< 0.3	mg/L	
FE0714OT1C	87-0127-16	Water	Clear Well	Pb	< 0.3	mg/L	
FE0714OT2C	87-0127-17	Water	Clear Well	Pb	< 0.3	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Pb	< 0.3	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Pb	< 0.3	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Pb	< 0.3	mg/L	
FE0716OT1C	87-0127-18	Water	Pit 5	Pb	0.49	mg/L	
FE0716OT2C	87-0127-19	Water	Pit 5	Pb	0.54	mg/L	
FE0716OT3C	87-0127-20	Water	Pit 5	Pb	0.57	mg/L	
FE0717OT1C	87-0127-21	Water	Pit 6	Pb	0.35	mg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0717OT2C	87-0127-22	Water	Pit 6	Pb	0.37	mg/L	
FE0717OT3C	87-0127-23	Water	Pit 6	Pb	< 0.3	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Pb	< 0.3	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Pb	< 0.3	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Pb	< 0.3	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Pb	< 0.3	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Pb	< 0.3	mg/L	
FE0403OT1C	87-0021-01	Water	Manhole 175 Outfall	Se	< 0.5	mg/L	
FE0713OT1C	87-0027-14	Water	Clear Well	Se	< 0.5	mg/L	
FE0713OT2C	87-0027-15	Water	Clear Well	Se	< 0.5	mg/L	
FE0714OT1C	87-0027-16	Water	Clear Well	Se	< 0.5	mg/L	
FE0714OT2C	87-0027-17	Water	Clear Well	Se	< 0.5	mg/L	
FE0715OT1C	87-0076-01	Water	Pit 5	Se	< 0.5	mg/L	
FE0715OT2C	87-0076-02	Water	Pit 5	Se	< 0.5	mg/L	
FE0715OT3C	87-0076-03	Water	Pit 5	Se	< 0.5	mg/L	
FE0716OT1C	87-0027-18	Water	Pit 5	Se	< 0.5	mg/L	
FE0716OT2C	87-0027-19	Water	Pit 5	Se	< 0.5	mg/L	
FE0716OT3C	87-0027-20	Water	Pit 5	Se	< 0.5	mg/L	
FE0717OT1C	87-0027-21	Water	Pit 6	Se	< 0.5	mg/L	
FE0717OT2C	87-0027-22	Water	Pit 6	Se	< 0.5	mg/L	
FE0717OT3C	87-0027-23	Water	Pit 6	Se	< 0.5	mg/L	
FE0718OT1C	87-0076-04	Water	Pit 6	Se	< 0.5	mg/L	
FE0718OT2C	87-0076-05	Water	Pit 6	Se	< 0.5	mg/L	
FE0718OT3C	87-0076-06	Water	Pit 6	Se	< 0.5	mg/L	
FE0727OT3C	87-0111-01	Water	General Sump	Se	< 0.5	mg/L	
FE0727OT4C	87-0111-02	Water	General Sump	Se	< 0.5	mg/L	
FE0713OT4B	61001078	Water	Clear Well	1,1,1-Trichloroethane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,1,1-Trichloroethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,1,1-Trichloroethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,1,1-Trichloroethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,1,1-Trichloroethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,1,1-Trichloroethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,1,1-Trichloroethane	<5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0716OT6B	61002070	Water	Pit 5	1,1,1-Trichloroethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,1,1-Trichloroethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,1,1-Trichloroethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,1,1-Trichloroethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,1,1-Trichloroethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,1,1-Trichloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,1,2,2-Tetrachloroethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,1,2,2-Tetrachloroethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,1,2,2-Tetrachloroethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,1,2,2-Tetrachloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	1,1,2-Trichloroethane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,1,2-Trichloroethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,1,2-Trichloroethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,1,2-Trichloroethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,1,2-Trichloroethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,1,2-Trichloroethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,1,2-Trichloroethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,1,2-Trichloroethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,1,2-Trichloroethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,1,2-Trichloroethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,1,2-Trichloroethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,1,2-Trichloroethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,1,2-Trichloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	1,1-Dichloroethane	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0713OT8B	61001080	Water	Clear Well	1,1-Dichloroethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,1-Dichloroethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,1-Dichloroethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,1-Dichloroethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,1-Dichloroethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,1-Dichloroethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,1-Dichloroethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,1-Dichloroethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,1-Dichloroethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,1-Dichloroethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,1-Dichloroethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,1-Dichloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	1,1-Dichloroethene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,1-Dichloroethene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,1-Dichloroethene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,1-Dichloroethene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,1-Dichloroethene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,1-Dichloroethene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,1-Dichloroethene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,1-Dichloroethene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,1-Dichloroethene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,1-Dichloroethene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,1-Dichloroethene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,1-Dichloroethene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,1-Dichloroethene			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	1,2,4-Trichlorobenzene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	1,2-Dichlorobenzene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	1,2-Dichloroethane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,2-Dichloroethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,2-Dichloroethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,2-Dichloroethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,2-Dichloroethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,2-Dichloroethane	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0716OT10B	61003252	Water	Pit 5	1,2-Dichloroethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,2-Dichloroethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,2-Dichloroethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,2-Dichloroethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,2-Dichloroethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,2-Dichloroethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,2-Dichloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	1,2-Dichloropropane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	1,2-Dichloropropane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	1,2-Dichloropropane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	1,2-Dichloropropane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	1,2-Dichloropropane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	1,2-Dichloropropane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	1,2-Dichloropropane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	1,2-Dichloropropane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	1,2-Dichloropropane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	1,2-Dichloropropane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	1,2-Dichloropropane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	1,2-Dichloropropane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	1,2-Dichloropropane			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	1,2-Diphenylhydrazine(1)	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	1,3-Dichlorobenzene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	1,4-Dichlorobenzene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,4,6-Trichlorophenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,4-Dichlorophenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,4-Dimethylphenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,4-Dinitrophenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,4-Dinitrotoluene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2,6-Dinitrotoluene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	2-Butanone	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	2-Butanone	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	2-Butanone	< 10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	2-Butanone	< 10	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0715OT10B	61002069	Water	Pit 5	2-Butanone	<10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	2-Butanone	<10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	2-Butanone	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	2-Butanone	6	µg/L	J
FE0717OT10B	61003253	Water	Pit6	2-Butanone	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	2-Butanone	<10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	2-Butanone	<10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	2-Butanone	<10	µg/L	
FE0727OT5B	61003242	Water	General Sump	2-Butanone			ND
FE0713OT4B	61001078	Water	Clear Well	2-Chloroethylvinyl Ether	<10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	2-Chloroethylvinyl Ether	<10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	2-Chloroethylvinyl Ether	<10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	2-Chloroethylvinyl Ether	<10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	2-Chloroethylvinyl Ether	<10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	2-Chloroethylvinyl Ether	<10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	2-Chloroethylvinyl Ether	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	2-Chloroethylvinyl Ether	<10	µg/L	
FE0717OT10B	61003253	Water	Pit6	2-Chloroethylvinyl Ether	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	2-Chloroethylvinyl Ether	<10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	2-Chloroethylvinyl Ether	<10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	2-Chloroethylvinyl Ether	<10	µg/L	
FE0727OT5B	61003242	Water	General Sump	2-Chloroethylvinyl Ether			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2-Chloronapthalene	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2-Chlorophenol	<10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	2-Hexanone	<10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	2-Hexanone	<10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	2-Hexanone	<10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	2-Hexanone	<10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	2-Hexanone	<10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	2-Hexanone	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	2-Hexanone	<10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	2-Hexanone	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	2-Hexanone	<10	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0717OT10B	61003253	Water	Pit6	2-Hexanone	<10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	2-Hexanone	<10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	2-Hexanone	<10	µg/L	
FE0727OT5B	61003242	Water	General Sump	2-Hexanone			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	2-Nitrophenol	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	3,3-Dichlorobenzidine	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	3,4-Benzofluoranthene	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	4,6-Dinitro-2-Methlphenol	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	4-Bromophenyl Phenyl Ether	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	4-Chlorophenyl Phenyl Ether	<10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	4-Methyl-2-Pentanone	<10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	4-Methyl-2-Pentanone	<10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	4-Methyl-2-Pentanone	<10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	4-Methyl-2-Pentanone	<10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	4-Methyl-2-Pentanone	<10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	4-Methyl-2-Pentanone	<10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	4-Methyl-2-Pentanone	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	4-Methyl-2-Pentanone	<10	µg/L	
FE0717OT10B	61003253	Water	Pit6	4-Methyl-2-Pentanone	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	4-Methyl-2-Pentanone	<10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	4-Methyl-2-Pentanone	<10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	4-Methyl-2-Pentanone	<10	µg/L	
FE0727OT5B	61003242	Water	General Sump	4-Methyl-2-Pentanone			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	4-Nitrophenol	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Acenaphthene	<10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Acenaphthene	<10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Acetone	<10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Acetone	<10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Acetone	<10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Acetone	<10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Acetone	<10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Acetone	<10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Acetone	1100	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0716OT6B	61002070	Water	Pit 5	Acetone	830	µg/L	Z6
FE0717OT10B	61003253	Water	Pit6	Acetone	16	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Acetone	34	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Acetone	< 10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Acetone	10	µg/L	J
FE0727OT5B	61003242	Water	General Sump	Acetone			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Anthracene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Benzene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Benzene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Benzene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Benzene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Benzene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Benzene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Benzene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Benzene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Benzene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Benzene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Benzene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Benzene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Benzene			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Benzidine	< 50	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Benzo(a)anthracene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Benzo(a)pyrene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Benzo(g,h,i)perylene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Benzo(k)fluoranthene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Bis(2-chloroethoxy)methane	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Bis(2-chloroethyl)ether	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Bis(2-chloroisopropyl)ether	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Bis(2-ethylhexyl)phthalate	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Bromodichloromethane	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Bromodichloromethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Bromodichloromethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Bromodichloromethane	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0715OT10B	61002069	Water	Pit 5	Bromodichloromethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Bromodichloromethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Bromodichloromethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Bromodichloromethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Bromodichloromethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Bromodichloromethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Bromodichloromethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Bromodichloromethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Bromodichloromethane			ND
FE0713OT4B	61001078	Water	Clear Well	Bromoform	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Bromoform	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Bromoform	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Bromoform	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Bromoform	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Bromoform	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Bromoform	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Bromoform	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Bromoform	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Bromoform	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Bromoform	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Bromoform	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Bromoform			ND
FE0713OT4B	61001078	Water	Clear Well	Bromomethane	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Bromomethane	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Bromomethane	< 10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Bromomethane	< 10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Bromomethane	< 10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Bromomethane	< 10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Bromomethane	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Bromomethane	< 10	µg/L	
FE0717OT10B	61003253	Water	Pit6	Bromomethane	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Bromomethane	< 10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Bromomethane	< 10	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0718OT6B	61002072	Water	Pit 6	Bromomethane	< 10	µg/L	
FE0727OT5B	61003242	Water	General Sump	Bromomethane			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Butyl Benzyl Phthalate	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Carbon Disulfide	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Carbon Disulfide	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Carbon Disulfide	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Carbon Disulfide	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Carbon Disulfide	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Carbon Disulfide	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Carbon Disulfide	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Carbon Disulfide	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Carbon Disulfide	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Carbon Disulfide	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Carbon Disulfide	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Carbon Disulfide	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Carbon Disulfide			ND
FE0713OT4B	61001078	Water	Clear Well	Carbon Tetrachloride	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Carbon Tetrachloride	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Carbon Tetrachloride	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Carbon Tetrachloride	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Carbon Tetrachloride	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Carbon Tetrachloride	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Carbon Tetrachloride	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Carbon Tetrachloride	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Carbon Tetrachloride	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Carbon Tetrachloride	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Carbon Tetrachloride	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Carbon Tetrachloride	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Carbon Tetrachloride			ND
FE0713OT4B	61001078	Water	Clear Well	Chlorobenzene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Chlorobenzene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Chlorobenzene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Chlorobenzene	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0715OT10B	61002069	Water	Pit 5	Chlorobenzene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Chlorobenzene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Chlorobenzene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Chlorobenzene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Chlorobenzene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Chlorobenzene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Chlorobenzene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Chlorobenzene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Chlorobenzene			ND
FE0713OT4B	61001078	Water	Clear Well	Chloroethane	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Chloroethane	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Chloroethane	< 10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Chloroethane	< 10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Chloroethane	< 10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Chloroethane	< 10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Chloroethane	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Chloroethane	< 10	µg/L	
FE0717OT10B	61003253	Water	Pit6	Chloroethane	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Chloroethane	< 10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Chloroethane	< 10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Chloroethane	< 10	µg/L	
FE0727OT5B	61003242	Water	General Sump	Chloroethane			ND
FE0713OT4B	61001078	Water	Clear Well	Chloroform	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Chloroform	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Chloroform	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Chloroform	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Chloroform	25	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Chloroform	22	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Chloroform	8	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Chloroform	6	µg/L	
FE0717OT10B	61003253	Water	Pit6	Chloroform	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Chloroform	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Chloroform	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0718OT6B	61002072	Water	Pit 6	Chloroform	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Chloroform			ND
FE0713OT4B	61001078	Water	Clear Well	Chloromethane	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Chloromethane	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Chloromethane	< 10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Chloromethane	< 10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Chloromethane	< 10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Chloromethane	< 10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Chloromethane	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Chloromethane	< 10	µg/L	
FE0717OT10B	61003253	Water	Pit6	Chloromethane	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Chloromethane	< 10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Chloromethane	< 10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Chloromethane	< 10	µg/L	
FE0727OT5B	61003242	Water	General Sump	Chloromethane			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Chrysene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Cis-1,3-Dichloropropene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Cis-1,3-Dichloropropene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Cis-1,3-Dichloropropene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Cis-1,3-Dichloropropene			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Di-N-Butyl Phthalate	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Di-N-Octyl Phthalate	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Dibenzo(a,h)anthracene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Dibromochloromethane	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0713OT8B	61001080	Water	Clear Well	Dibromochloromethane	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Dibromochloromethane	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Dibromochloromethane	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Dibromochloromethane	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Dibromochloromethane	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Dibromochloromethane	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Dibromochloromethane	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Dibromochloromethane	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Dibromochloromethane	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Dibromochloromethane	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Dibromochloromethane	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Dibromochloromethane			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Diethyl Phthalate	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Diethyl Phthalate	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Ethylbenzene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Ethylbenzene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Ethylbenzene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Ethylbenzene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Ethylbenzene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Ethylbenzene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Ethylbenzene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Ethylbenzene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Ethylbenzene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Ethylbenzene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Ethylbenzene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Ethylbenzene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Ethylbenzene			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Fluoranthene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Fluorene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Hexachlorobenzene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Hexachlorobutadiene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Hexachlorocyclopentadiene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Hexachloroethane	< 10	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Indeno(1,2,3-cd)pyrene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Isophorone	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Methylene Chloride	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Methylene Chloride	5300	µg/L	R
FE0714OT4B	61001079	Water	Clear Well	Methylene Chloride	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Methylene Chloride	11	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Methylene Chloride	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Methylene Chloride	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Methylene Chloride	7	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Methylene Chloride	9	µg/L	B
FE0717OT10B	61003253	Water	Pit6	Methylene Chloride	22	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Methylene Chloride	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Methylene Chloride	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Methylene Chloride	9	µg/L	B
FE0727OT5B	61003242	Water	General Sump	Methylene Chloride			ND
FE0403OT3B	61002092	Water	Manhole 175 Outfall	N-Nitrosodi-N-Propylamine	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	N-Nitrosodimethylamine	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	N-Nitrosodiphenylamine(2)	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Naphthalene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Nitrobenzene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	P-Chloro-M-Cresol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Pentachlorophenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Phenanthrene	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Phenol	< 10	µg/L	
FE0403OT3B	61002092	Water	Manhole 175 Outfall	Pyrene	< 10	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Styrene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Styrene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Styrene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Styrene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Styrene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Styrene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Styrene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Styrene	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0717OT10B	61003253	Water	Pit6	Styrene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Styrene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Styrene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Styrene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Styrene			ND
FE0713OT4B	61001078	Water	Clear Well	Tetrachloroethene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Tetrachloroethene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Tetrachloroethene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Tetrachloroethene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Tetrachloroethene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Tetrachloroethene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Tetrachloroethene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Tetrachloroethene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Tetrachloroethene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Tetrachloroethene	1	µg/L	J
FE0718OT10B	61002073	Water	Pit 6	Tetrachloroethene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Tetrachloroethene	2	µg/L	J
FE0727OT5B	61003242	Water	General Sump	Tetrachloroethene			ND
FE0713OT4B	61001078	Water	Clear Well	Toluene	1	µg/L	B J
FE0713OT8B	61001080	Water	Clear Well	Toluene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Toluene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Toluene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Toluene	2	µg/L	B J
FE0715OT6B	61002068	Water	Pit 5	Toluene	3	µg/L	B J
FE0716OT10B	61003252	Water	Pit 5	Toluene	1	µg/L	BJ
FE0716OT6B	61002070	Water	Pit 5	Toluene	4	µg/L	B J
FE0717OT10B	61003253	Water	Pit6	Toluene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Toluene	3	µg/L	B J
FE0718OT10B	61002073	Water	Pit 6	Toluene	2	µg/L	B J
FE0718OT6B	61002072	Water	Pit 6	Toluene	3	µg/L	B J
FE0727OT5B	61003242	Water	General Sump	Toluene			ND
FE0713OT4B	61001078	Water	Clear Well	Total Xylenes	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Total Xylenes	< 5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0714OT4B	61001079	Water	Clear Well	Total Xylenes	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Total Xylenes	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Total Xylenes	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Total Xylenes	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Total Xylenes	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Total Xylenes	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Total Xylenes	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Total Xylenes	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Total Xylenes	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Total Xylenes	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Total Xylenes			ND
FE0717OT6B	61002071	Water	Pit 6	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0713OT4B	61001078	Water	Clear Well	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Trans-1,2-Dichloroethene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Trans-1,2-Dichloroethene	<5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Trans-1,2-Dichloroethene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Trans-1,2-Dichloroethene			ND
FE0713OT4B	61001078	Water	Clear Well	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Trans-1,3-Dichloropropene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Trans-1,3-Dichloropropene	<5	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0717OT6B	61002071	Water	Pit 6	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Trans-1,3-Dichloropropene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Trans-1,3-Dichloropropene			ND
FE0713OT4B	61001078	Water	Clear Well	Trichloroethene	< 5	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Trichloroethene	< 5	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Trichloroethene	< 5	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Trichloroethene	< 5	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Trichloroethene	< 5	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Trichloroethene	< 5	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Trichloroethene	<5	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Trichloroethene	< 5	µg/L	
FE0717OT10B	61003253	Water	Pit6	Trichloroethene	<5	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Trichloroethene	< 5	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Trichloroethene	< 5	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Trichloroethene	< 5	µg/L	
FE0727OT5B	61003242	Water	General Sump	Trichloroethene			ND
FE0713OT4B	61001078	Water	Clear Well	Vinyl Acetate	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Vinyl Acetate	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Vinyl Acetate	< 10	µg/L	
FE0714OT8B	61001081	Water	Clear Well	Vinyl Acetate	< 10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Vinyl Acetate	< 10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Vinyl Acetate	< 10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Vinyl Acetate	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Vinyl Acetate	< 10	µg/L	
FE0717OT10B	61003253	Water	Pit6	Vinyl Acetate	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Vinyl Acetate	< 10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Vinyl Acetate	< 10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Vinyl Acetate	< 10	µg/L	
FE0727OT5B	61003242	Water	General Sump	Vinyl Acetate			ND
FE0713OT4B	61001078	Water	Clear Well	Vinyl Chloride	< 10	µg/L	
FE0713OT8B	61001080	Water	Clear Well	Vinyl Chloride	< 10	µg/L	
FE0714OT4B	61001079	Water	Clear Well	Vinyl Chloride	< 10	µg/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0714OT8B	61001081	Water	Clear Well	Vinyl Chloride	< 10	µg/L	
FE0715OT10B	61002069	Water	Pit 5	Vinyl Chloride	< 10	µg/L	
FE0715OT6B	61002068	Water	Pit 5	Vinyl Chloride	< 10	µg/L	
FE0716OT10B	61003252	Water	Pit 5	Vinyl Chloride	<10	µg/L	
FE0716OT6B	61002070	Water	Pit 5	Vinyl Chloride	< 10	µg/L	
FE0717OT10B	61003253	Water	Pit6	Vinyl Chloride	<10	µg/L	
FE0717OT6B	61002071	Water	Pit 6	Vinyl Chloride	< 10	µg/L	
FE0718OT10B	61002073	Water	Pit 6	Vinyl Chloride	< 10	µg/L	
FE0718OT6B	61002072	Water	Pit 6	Vinyl Chloride	< 10	µg/L	
FE0727OT5B	61003242	Water	General Sump	Vinyl Chloride			ND
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	Bi-214	B	pCi/L	
FE0713OT3C	87-4001	Water	Clear Well	Bi-214	B	pCi/L	
FE0714OT3C	87-4001	Water	Clear Well	Bi-214	B	pCi/L	
FE0715OT4C	87-4001	Water	Pit 5	Bi-214	B	pCi/L	
FE0716OT4C	87-4001	Water	Pit 5	Bi-214	B	pCi/L	
FE0717OT4C	87-4001	Water	Pit 6	Bi-214	B	pCi/L	
FE0718OT4C	87-4001	Water	Pit 6	Bi-214	B	pCi/L	
FE0727OT1C1	87-4001	Water	General Sump	Bi-214	B	pCi/L	
FE0727OT1C2	87-4001	Water	General Sump	Bi-214	B	pCi/L	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	Cs-137	B	pCi/L	
FE0713OT3C	87-4001	Water	Clear Well	Cs-137	B	pCi/L	
FE0714OT3C	87-4001	Water	Clear Well	Cs-137	B	pCi/L	
FE0715OT4C	87-4001	Water	Pit 5	Cs-137	B	pCi/L	
FE0716OT4C	87-4001	Water	Pit 5	Cs-137	B	pCi/L	
FE0717OT4C	87-4001	Water	Pit 6	Cs-137	B	pCi/L	
FE0718OT4C	87-4001	Water	Pit 6	Cs-137	B	pCi/L	
FE0727OT1C1	87-4001	Water	General Sump	Cs-137	B	pCi/L	
FE0727OT1C2	87-4001	Water	General Sump	Cs-137	B	pCi/L	
FE0713OT3C	87-4009	Water	Clear Well	Np-237	<0.03	pCi/L	
FE0714OT3B	87-4009	Water	Clear Well	Np-237	<0.02	pCi/L	
FE0713OT3C	87-4009	Water	Clear Well	Pu-238	<0.15	pCi/L	
FE0714OT3B	87-4009	Water	Clear Well	Pu-238	<0.15	pCi/L	
FE0713OT3C	87-4009	Water	Clear Well	Pu-239 + Pu-240	<0.06	pCi/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0714OT3B	87-4009	Water	Clear Well	Pu-239 + Pu-240	<0.06	pCi/L	
FE0713OT3C	87-4009	Water	Clear Well	Pu-241 + Pu-242	<0.02	pCi/L	
FE0714OT3B	87-4009	Water	Clear Well	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	Ra-226	B	pCi/L	G
FE0713OT3C	87-4001	Water	Clear Well	Ra-226	B	pCi/L	G
FE0714OT3C	87-4001	Water	Clear Well	Ra-226	B	pCi/L	G
FE0715OT4C	87-4001	Water	Pit 5	Ra-226	B	pCi/L	G
FE0716OT4C	87-4001	Water	Pit 5	Ra-226	B	pCi/L	G
FE0717OT4C	87-4001	Water	Pit 6	Ra-226	B	pCi/L	G
FE0718OT4C	87-4001	Water	Pit 6	Ra-226	B	pCi/L	G
FE0727OT1C1	87-4001	Water	General Sump	Ra-226	B	pCi/L	G
FE0727OT1C2	87-4001	Water	General Sump	Ra-226	B	pCi/L	G
FE0713OT3C	87-4009	Water	Clear Well	Th-227	0.07 ± 0.02	pCi/L	
FE0714OT3B	87-4009	Water	Clear Well	Th-227	0.08 ± 0.02	pCi/L	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	Th-228	B	pCi/L	
FE0713OT3C	87-4001	Water	Clear Well	Th-228	B	pCi/L	G
FE0713OT3C	87-4009	Water	Clear Well	Th-228	0.58 ± 0.03	pCi/L	A
FE0714OT3B	87-4009	Water	Clear Well	Th-228	0.43 ± 0.02	pCi/L	A
FE0714OT3C	87-4001	Water	Clear Well	Th-228	B	pCi/L	G
FE0715OT4C	87-4001	Water	Pit 5	Th-228	B	pCi/L	G
FE0716OT4C	87-4001	Water	Pit 5	Th-228	B	pCi/L	G
FE0717OT4C	87-4001	Water	Pit 6	Th-228	B	pCi/L	G
FE0718OT4C	87-4001	Water	Pit 6	Th-228	B	pCi/L	G
FE0727OT1C1	87-4001	Water	General Sump	Th-228	B	pCi/L	G
FE0727OT1C2	87-4001	Water	General Sump	Th-228	B	pCi/L	G
FE0713OT3C	87-4009	Water	Clear Well	Th-230	3.34 ± 0.10	pCi/L	
FE0714OT3B	87-4009	Water	Clear Well	Th-230	3.49 ± 0.10	pCi/L	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	Th-232	B	pCi/L	G
FE0713OT3C	87-4001	Water	Clear Well	Th-232	B	pCi/L	G
FE0713OT3C	87-4009	Water	Clear Well	Th-232	0.2 ± 0.02	pCi/L	A
FE0714OT3B	87-4009	Water	Clear Well	Th-232	0.11 ± 0.02	pCi/L	A
FE0714OT3C	87-4001	Water	Clear Well	Th-232	B	pCi/L	G
FE0715OT4C	87-4001	Water	Pit 5	Th-232	B	pCi/L	G

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0716OT4C	87-4001	Water	Pit 5	Th-232	B	pCi/L	G
FE0717OT4C	87-4001	Water	Pit 6	Th-232	B	pCi/L	G
FE0718OT4C	87-4001	Water	Pit 6	Th-232	B	pCi/L	G
FE0727OT1C1	87-4001	Water	General Sump	Th-232	B	pCi/L	G
FE0727OT1C2	87-4001	Water	General Sump	Th-232	B	pCi/L	G
FE0713OT1C	87-0046-01	Water	Clear Well	Total U	2920	µg/L	
FE0713OT2C	87-0046-02	Water	Clear Well	Total U	3000	µg/L	
FE0714OT1C	87-0046-03	Water	Clear Well	Total U	2600	µg/L	
FE0714OT2C	87-0046-04	Water	Clear Well	Total U	2580	µg/L	
FE0715OT1C	87-0058-01	Water	Pit 5	Total U	754	µg/L	
FE0715OT2C	87-0058-02	Water	Pit 5	Total U	791	µg/L	
FE0715OT3C	87-0058-03	Water	Pit 5	Total U	832	µg/L	
FE0716OT1C	87-0046-05	Water	Pit 5	Total U	33100	µg/L	
FE0716OT2C	87-0046-06	Water	Pit 5	Total U	29300	µg/L	
FE0716OT3C	87-0046-07	Water	Pit 5	Total U	30700	µg/L	
FE0717OT1C	87-0046-08	Water	Pit 6	Total U	24000	µg/L	
FE0717OT2C	87-0046-09	Water	Pit 6	Total U	25400	µg/L	
FE0717OT3C	87-0046-10	Water	Pit 6	Total U	23200	µg/L	
FE0718OT1C	87-0058-04	Water	Pit 6	Total U	23500	µg/L	
FE0718OT2C	87-0058-05	Water	Pit 6	Total U	24300	µg/L	
FE0718OT3C	87-0058-06	Water	Pit 6	Total U	27200	µg/L	
FE0713OT1C	87-0136-04	Water	Clear Well	U-234	0.0026 ± 0.0005	Atom %	
FE0713OT1C	87-0136-04	Water	Clear Well	U-234	0.0026 ± 0.0005	Weight %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-234	0.0019 ± 0.0005	Atom %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-234	0.0019 ± 0.0005	Weight %	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	U-235	A	pCi/L	
FE0713OT1C	87-0136-04	Water	Clear Well	U-235	0.3519 ± 0.0005	Atom %	
FE0713OT1C	87-0136-04	Water	Clear Well	U-235	0.3475 ± 0.0005	Weight %	
FE0713OT3C	87-4001	Water	Clear Well	U-235	A	pCi/L	
FE0714OT2C	87-0136-05	Water	Clear Well	U-235	0.3573 ± 0.0005	Atom %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-235	0.3493 ± 0.0005	Weight %	
FE0714OT3C	87-4001	Water	Clear Well	U-235	A	pCi/L	
FE0715OT4C	87-4001	Water	Pit 5	U-235	A	pCi/L	

Table E.12.3 (Cont.) Environmental Problem 12 Wastewater Treatment and Discharge: Water Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0716OT4C	87-4001	Water	Pit 5	U-235	558 ± 10	pCi/L	
FE0717OT4C	87-4001	Water	Pit 6	U-235	112 ± 14	pCi/L	
FE0718OT4C	87-4001	Water	Pit 6	U-235	A	pCi/L	
FE0727OT1C1	87-4001	Water	General Sump	U-235	B	pCi/L	
FE0727OT1C2	87-4001	Water	General Sump	U-235	B	pCi/L	
FE0713OT1C	87-0136-04	Water	Clear Well	U-236	0.0064 ± 0.0005	Atom %	
FE0713OT1C	87-0136-04	Water	Clear Well	U-236	0.0063 ± 0.0002	Weight %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-236	0.0064 ± 0.0005	Atom %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-236	0.0064 ± 0.0005	Weight %	
FE0403OT2C	87-4001	Water	Manhole 175 Outfall	U-238	A	pCi/L	
FE0713OT1C	87-0136-04	Water	Clear Well	U-238	99.639 ± 0.002	Atom %	
FE0713OT1C	87-0136-04	Water	Clear Well	U-238	99.644 ± 0.002	Weight %	
FE0713OT3C	87-4001	Water	Clear Well	U-238	A	pCi/L	
FE0714OT2C	87-0136-05	Water	Clear Well	U-238	99.635 ± 0.002	Atom %	
FE0714OT2C	87-0136-05	Water	Clear Well	U-238	99.643 ± 0.002	Weight %	
FE0714OT3C	87-4001	Water	Clear Well	U-238	A	pCi/L	
FE0715OT4C	87-4001	Water	Pit 5	U-238	A	pCi/L	
FE0716OT4C	87-4001	Water	Pit 5	U-238	B	pCi/L	
FE0717OT4C	87-4001	Water	Pit 6	U-238	B	pCi/L	
FE0718OT4C	87-4001	Water	Pit 6	U-238	A	pCi/L	
FE0727OT1C1	87-4001	Water	General Sump	U-238	A	pCi/L	
FE0727OT1C2	87-4001	Water	General Sump	U-238	A	pCi/L	

Table E.13.1 Environmental Problem 13 Unidentified Substances: Liquid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Ag	< 0.1	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Ag	< 0.1	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Ag	< 0.1	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Ag	< 0.1	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	As	< 0.5	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	As	< 0.5	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	As	< 0.5	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	As	< 0.5	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Ba	11.5	mg/L	B
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Ba	7.28	mg/L	B
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Ba	0.11	mg/L	B
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Ba	2.29	mg/L	B
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Cd	< 0.02	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Cd	< 0.02	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Cd	< 0.02	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Cd	< 0.02	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Cr	< 0.03	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Cr	< 0.03	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Cr	0.13	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Cr	0.03	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Hg	< 0.001	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Hg	< 0.001	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Hg	< 0.001	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Hg	< 0.001	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Pb	0.43	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Pb	< 0.3	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Pb	< 0.3	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Pb	1.97	mg/L	
FE0309TK1B	87-0121-03	L.Waste	Plant 2/3 Tank 5	Se	< 0.5	mg/L	
FE0310TK1B	87-0121-04	L.Waste	Plant 2/3 Tank 5	Se	< 0.5	mg/L	
FE0320DR2B	87-0121-12	L.Waste	Pl 8 Drums 49,50	Se	< 0.5	mg/L	
FE0325DR1B	87-0121-13	L.Waste	Plant 1 Drum	Se	< 0.5	mg/L	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,1,1-Trichloroethane	7400	µg/kg	

Table E.13.1 (Cont.) Environmental Problem 13 Unidentified Substances: Liquid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,1,2-Trichloroethane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,1-Dichloroethane	120	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,1-Dichloroethene	300	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,2-Dichloroethane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	1,2-Dichloropropane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	2-Butanone	1800	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	2-Hexanone	2300	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	4-Methyl-2-Pentanone	770	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Acetone	2100	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Benzene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Bromodichloromethane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Bromoform	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Bromomethane	<10	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Carbon Disulfide	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Carbon Tetrachloride	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Chlorobenzene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Chloroethane	<10	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Chloroform	64	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Chloromethane	<10	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Dibromochloromethane	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Ethylbenzene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Methylene Chloride	150	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Styrene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Tetrachloroethene	550	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Toluene	160	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Total Xylenes	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Trichloroethene	49	µg/kg	
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Vinyl Acetate	100	µg/kg	

Table E.13.1 (Cont.) Environmental Problem 13 Unidentified Substances: Liquid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0327DR1B	86-7004	L.Waste	Plant 6 N pad	Vinyl Chloride	<10	µg/kg	
FE0302TK1B		L.Waste	Pil Plant Tank 6	Aroclor-1242	< 2	mg/kg	
FE0305TK1B		L.Waste	Pil Plant Tank 5	Aroclor-1242	< 2	mg/kg	
FE0320DR1B		L.Waste	Pl 8 Drums 49,50	Aroclor-1242	< 0.4	µg/L	
FE0302TK1B		L.Waste	Pil Plant Tank 6	Aroclor-1248	< 3	mg/kg	
FE0305TK1B		L.Waste	Pil Plant Tank 5	Aroclor-1248	< 2	mg/kg	
FE0320DR1B		L.Waste	Pl 8 Drums 49,50	Aroclor-1248	< 0.5	µg/L	
FE0302TK1B		L.Waste	Pil Plant Tank 6	Aroclor-1254	< 2	mg/kg	
FE0305TK1B		L.Waste	Pil Plant Tank 5	Aroclor-1254	< 2	mg/kg	
FE0320DR1B		L.Waste	Pl 8 Drums 49,50	Aroclor-1254	0.79	µg/L	
FE0302TK1B		L.Waste	Pil Plant Tank 6	Aroclor-1260	< 3	mg/kg	
FE0305TK1B		L.Waste	Pil Plant Tank 5	Aroclor-1260	< 2	mg/kg	
FE0320DR1B		L.Waste	Pl 8 Drums 49,50	Aroclor-1260	< 0.4	µg/L	
FE0327DR1B		L.Waste	Plant 6 N pad	BI-214	B	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	RA-228	B	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	TH-232	A	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	TH-228	A	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	CS-137	A	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	U-238	1.2 E6	pci/L	
FE0327DR1B		L.Waste	Plant 6 N pad	U-235	3210	pci/L	

Table E.13.2 Environmental Problem 13 Unidentified Substances: Oil Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0318DR1B		Oil	Plant 8 Drum	Aroclor-1242	< 2	mg/kg	
FE0322DR1B		Oil	Oil Incin Drum 41	Aroclor-1242	< 2	mg/kg	
FE0323DR1B		Oil	Oil Incin Drum 52	Aroclor-1242	< 2	mg/kg	
FE0324DR1B		Oil	Oil Incin Drum 3	Aroclor-1242	< 2	mg/kg	
FE0318DR1B		Oil	Plant 8 Drum	Aroclor-1248	< 2	mg/kg	
FE0322DR1B		Oil	Oil Incin Drum 41	Aroclor-1248	< 3	mg/kg	
FE0323DR1B		Oil	Oil Incin Drum 52	Aroclor-1248	< 3	mg/kg	
FE0324DR1B		Oil	Oil Incin Drum 3	Aroclor-1248	< 3	mg/kg	
FE0318DR1B		Oil	Plant 8 Drum	Aroclor-1254	< 2	mg/kg	
FE0322DR1B		Oil	Oil Incin Drum 41	Aroclor-1254	< 1	mg/kg	
FE0323DR1B		Oil	Oil Incin Drum 52	Aroclor-1254	< 1	mg/kg	
FE0324DR1B		Oil	Oil Incin Drum 3	Aroclor-1254	< 1	mg/kg	
FE0318DR1B		Oil	Plant 8 Drum	Aroclor-1260	< 2	mg/kg	
FE0322DR1B		Oil	Oil Incin Drum 41	Aroclor-1260	< 2	mg/kg	
FE0323DR1B		Oil	Oil Incin Drum 52	Aroclor-1260	< 2	mg/kg	
FE0324DR1B		Oil	Oil Incin Drum 3	Aroclor-1260	< 2	mg/kg	

Table E.13.3 Environmental Problem 13 Unidentified Substances: Raffinate Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Ag	< 0.1	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Ag	< 0.1	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	As	< 0.5	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	As	< 0.5	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Ba	20.7	mg/L	B
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Ba	6.61	mg/L	B
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Cd	< 0.02	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Cd	< 0.02	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Cr	0.03	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Cr	0.06	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Hg	< 0.001	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Hg	< 0.001	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Pb	0.71	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Pb	0.3	mg/L	
FE0306TK1B	87-0121-01	Raffinate	Plant 8 Tank 203	Se	< 0.5	mg/L	
FE0307TK1B	87-0121-02	Raffinate	Plant 8 Tank 203A	Se	< 0.5	mg/L	

Table E.13.4 Environmental Problem 13 Unidentified Substances: Solid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Ag	< 0.1	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Ag	< 0.1	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Ag	< 0.1	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Ag	< 0.1	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Ag	< 0.1	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Ag	< 0.1	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Ag	< 0.1	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	As	< 0.5	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	As	< 0.5	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	As	< 0.5	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	As	< 1.0	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	As	< 0.5	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	As	< 0.5	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	As	< 0.5	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Ba	0.67	mg/L	B
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Ba	0.65	mg/L	B
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Ba	4.98	mg/L	B
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Ba	44.9	mg/L	B
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Ba	0.21	mg/L	B
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Ba	0.3	mg/L	B
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Ba	< 0.05	mg/L	B
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Cd	< 0.02	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Cd	< 0.02	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Cd	< 0.02	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Cd	< 0.1	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Cd	< 0.05	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Cd	< 0.02	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Cd	< 0.02	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Cr	< 1	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Cr	< 0.09	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Cr	0.16	mg/L	

Table E.13.4 (Cont.) Environmental Problem 13 Unidentified Substances: Solid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Cr	< 2	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Cr	< 1	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Cr	0.03	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Cr	0.03	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Hg	< 0.001	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Hg	0.0258	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Hg	< 0.001	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Hg	< 0.001	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Hg	< 0.001	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Hg	< 0.001	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Hg	< 0.001	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Pb	< 0.3	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Pb	< 0.3	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Pb	< 0.3	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Pb	< 2	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Pb	< 0.5	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Pb	< 0.3	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Pb	< 0.3	mg/L	
FE0312DR2B	87-0121-06	S.Waste	Pl 8 Drums 18,19	Se	< 0.5	mg/L	
FE0313DR2B	87-0121-07	S.Waste	Pl 8 Drums 21,22	Se	< 0.5	mg/L	
FE0314DR1B	87-0121-08	S.Waste	Plant 8 Drum 51	Se	< 0.5	mg/L	
FE0315DR1B	87-0121-09	S.Waste	Plant 8 Drum 60	Se	< 1	mg/L	
FE0316DR1B	87-0121-10	S.Waste	Plant 8 Drum 1	Se	< 0.5	mg/L	
FE0319DR2B	87-0121-11	S.Waste	Plant 8 Drum	Se	< 0.5	mg/L	
FE0328DR1B	87-0121-14	S.Waste	Plant 9 Drums 2,3	Se	< 0.5	mg/L	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,1,1-Trichloroethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,1,2,2-Tetrachloroethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,1,2-Trichloroethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,1-Dichloroethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,1-Dichloroethene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,2-Dichloroethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	1,2-Dichloropropane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	2-Butanone	6	µg/kg	BJ

Table E.13.4 (Cont.) Environmental Problem 13 Unidentified Substances: Solid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	2-Chloroethylvinyl Ether	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	2-Hexanone	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	4-Methyl-2-Pentanone	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Acetone	45	µg/kg	B
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Benzene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Bromodichloromethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Bromoform	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Bromomethane	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Carbon Disulfide	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Carbon Tetrachloride	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Chlorobenzene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Chloroethane	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Chloroform	20	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Chloromethane	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Cis-1,3-Dichloropropene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Dibromochloromethane	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Ethylbenzene	2	µg/kg	J
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Methylene Chloride	24	µg/kg	B
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Styrene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Tetrachloroethene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Toluene	9	µg/kg	BJ
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Total Xylenes	8	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Trans-1,2-Dichloroethene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Trans-1,3-Dichloropropene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Trichloroethene	<5	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Vinyl Acetate	<10	µg/kg	
FE0326DR1B	86-7004	S.Waste	Plant 6 Drum 9	Vinyl Chloride	<10	µg/kg	
FE0312DR1B		S.Waste	Pl 8 Drums 18,19	Aroclor-1242	< 0.5	mg/kg	
FE0313DR1B		S.Waste	Pl 8 Drums 21,22	Aroclor-1242	< 0.5	mg/kg	
FE0319DR1B		S.Waste	Plant 8 Drum	Aroclor-1242	< 0.5	mg/kg	
FE0312DR1B		S.Waste	Pl 8 Drums 18,19	Aroclor-1248	< 0.6	mg/kg	
FE0313DR1B		S.Waste	Pl 8 Drums 21,22	Aroclor-1248	< 0.6	mg/kg	
FE0319DR1B		S.Waste	Plant 8 Drum	Aroclor-1248	< 0.7	mg/kg	

Table E.13.4 (Cont.) Environmental Problem 13 Unidentified Substances: Solid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0312DR1B		S.Waste	Pl 8 Drums 18,19	Aroclor-1254	< 0.3	mg/kg	
FE0313DR1B		S.Waste	Pl 8 Drums 21,22	Aroclor-1254	< 0.34	mg/kg	
FE0319DR1B		S.Waste	Plant 8 Drum	Aroclor-1254	< 0.3	mg/kg	
FE0312DR1B		S.Waste	Pl 8 Drums 18,19	Aroclor-1260	< 0.5	mg/kg	
FE0313DR1B		S.Waste	Pl 8 Drums 21,22	Aroclor-1260	< 0.5	mg/kg	
FE0319DR1B		S.Waste	Plant 8 Drum	Aroclor-1260	< 0.6	mg/kg	
FE0326DR1B	87-4001	S.Waste	Plant 6 Drum 9	Bi-214	A	pCi/g	
FE0326DR1B	87-4001	S.Waste	Plant 6 Drum 9	Cs-137	A	pCi/g	
FE0326DR1B	87-4001	S.Waste	Plant 6 Drum 9	Ra-226	A	pCi/g	
FE0326DR1B	87-4001	S.Waste	Plant 6 Drum 9	Th-228	A	pCi/g	
FE0326DR1B	87-4001	S.Waste	Plant 6 Drum 9	Th-232	A	pCi/g	
FE0326DR1B		S.Waste	Plant 6 Drum 9	U-235	161 ± 2	pCi/g	
FE0326DR1B		S.Waste	Plant 6 Drum 9	U-238	4.3E+4 ± 391	pCi/g	

Table E.13.5 Environmental Problem 13 Unidentified Substances: Sludge Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Ag	< 0.1	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	As	< 0.5	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Ba	2.09	mg/L	B
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Cd	< 0.02	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Cr	< 0.03	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Hg	< 0.001	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Pb	< 0.3	mg/L	
FE0311DR2B	87-0121-05	Sludge	Plant 8 Drums	Se	< 0.5	mg/L	
FE0304TK1B		Sludge	Pil Plant Tank 5	Aroclor-1242	< 2	mg/kg	
FE0311DR1B		Sludge	Plant 8 Drums	Aroclor-1242	< 1	mg/kg	
FE0321DR1B		Sludge	Plant 8 Drum	Aroclor-1242	< 0.5	mg/kg	
FE0304TK1B		Sludge	Pil Plant Tank 5	Aroclor-1248	< 2	mg/kg	
FE0311DR1B		Sludge	Plant 8 Drums	Aroclor-1248	< 1	mg/kg	
FE0321DR1B		Sludge	Plant 8 Drum	Aroclor-1248	< 0.7	mg/kg	
FE0304TK1B		Sludge	Pil Plant Tank 5	Aroclor-1254	< 2	mg/kg	
FE0311DR1B		Sludge	Plant 8 Drums	Aroclor-1254	1.1	mg/kg	
FE0321DR1B		Sludge	Plant 8 Drum	Aroclor-1254	< 0.3	mg/kg	
FE0304TK1B		Sludge	Pil Plant Tank 5	Aroclor-1260	< 2	mg/kg	
FE0311DR1B		Sludge	Plant 8 Drums	Aroclor-1260	< 1	mg/kg	
FE0321DR1B		Sludge	Plant 8 Drum	Aroclor-1260	< 0.9	mg/kg	

Table E.14.1 Environmental Problem 14 Contamination In Milk: Liquid Waste Samples

Sample Number	Batch	Media	Location	Analyte	Value	Units	Flag
FE0726OT1B	87-4001	Milk	Knollman Farm	Bi-214	B	pCi/L	
FE0726OT2B	87-4001	Milk	Knollman Farm	Bi-214	B	pCi/L	
FE0726OT1B	87-4001	Milk	Knollman Farm	Cs-137	B	pCi/L	
FE0726OT2B	87-4001	Milk	Knollman Farm	Cs-137	B	pCi/L	
FE0726OT1B	87-4009	Milk	Knollman Farm	Np-237	< 0.01	pCi/L	
FE0726OT1B	87-4009	Milk	Knollman Farm	Pu-238	< 0.06	pCi/L	
FE0726OT1B	87-4009	Milk	Knollman Farm	Pu-239 + Pu-240	0.05 ± 0.01	pCi/L	
FE0726OT1B	87-4009	Milk	Knollman Farm	Pu-241 + Pu-242	< 0.01	pCi/L	
FE0726OT1B	87-4001	Milk	Knollman Farm	Ra-226	B	pCi/L	G
FE0726OT2B	87-4001	Milk	Knollman Farm	Ra-226	B	pCi/L	G
FE0726OT1B	87-4001	Milk	Knollman Farm	Th-228	B	pCi/L	G
FE0726OT2B	87-4001	Milk	Knollman Farm	Th-228	B	pCi/L	G
FE0726OT1B	87-4001	Milk	Knollman Farm	Th-232	B	pCi/L	G
FE0726OT2B	87-4001	Milk	Knollman Farm	Th-232	B	pCi/L	G
FE0726OT1B	87-0134-02	Milk	Knollman Farm	Total U	292	ug/L	
FE0726OT1B	87-4001	Milk	Knollman Farm	U-235	A	pCi/L	
FE0726OT2B	87-4001	Milk	Knollman Farm	U-235	B	pCi/L	
FE0726OT1B	87-4001	Milk	Knollman Farm	U-238	A	pCi/L	
FE0726OT2B	87-4001	Milk	Knollman Farm	U-238	A	pCi/L	