3001-0302250005

BWX Technologies, Inc.
a McDermott company

BWXT of Ohio, Inc.
1 Mound Road
P.O. Box 3030
Miamisburg, Ohio 45343-3030
(937) 865-4020

ER-152/02
June 18, 2002

Mr. Richard B. Provencher, Director
Miamisburg Environmental Management Project
U. S. Department of Energy
P. O. Box 66
Miamisburg, OH 45343-0066

ATTENTION: Robert S. Rothman

SUBJECT: Contract No. DE-AC24-97OH20044
VARIOUS DOCUMENTS

REFERENCE: Statement of Work Requirement C.7.1e - Regulator Reports

Dear Mr. Provencher:

Rob Rothman from your office has approved the release of the following documents to the regulators:

- PRS 21, 22, 25, 26, 27, 29 Package, Final
- PRS 28 Package, Final
- PRS 277/278 Package, Final
- PRS 421 Package, Final
- PRS 308 Package, Final

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

Sincerely,

Monte A. Williams
Project Manager, Environmental Restoration

MAW/KMA:jdg

Enclosures

cc: Tim Fischer, USEPA, (1) w/attachments
Brian Nickel, OEPA, (1) w/attachments
Ruth Vandegrift, ODH, (1) w/attachments
Paul Lucas, DOE/MEMP, (1) w/attachments
Sue Smiley, DOE/MEMP, (1) w/attachments
Randy Tormey, DOE/HQ, (1) w/attachments
Dann Bird, MMCIC, (3), w/attachments
Craig Hansen, BWXT of Ohio, (1) w/attachments
Dave Rakel, BWXT of Ohio, (1) w/attachments
Karen Arthur, BWXT of Ohio, (1) w/attachments
Monte Williams, BWXT of Ohio, (2) w/attachment
Public Reading Room, (5) w/attachments

3001-030225000

MOUND

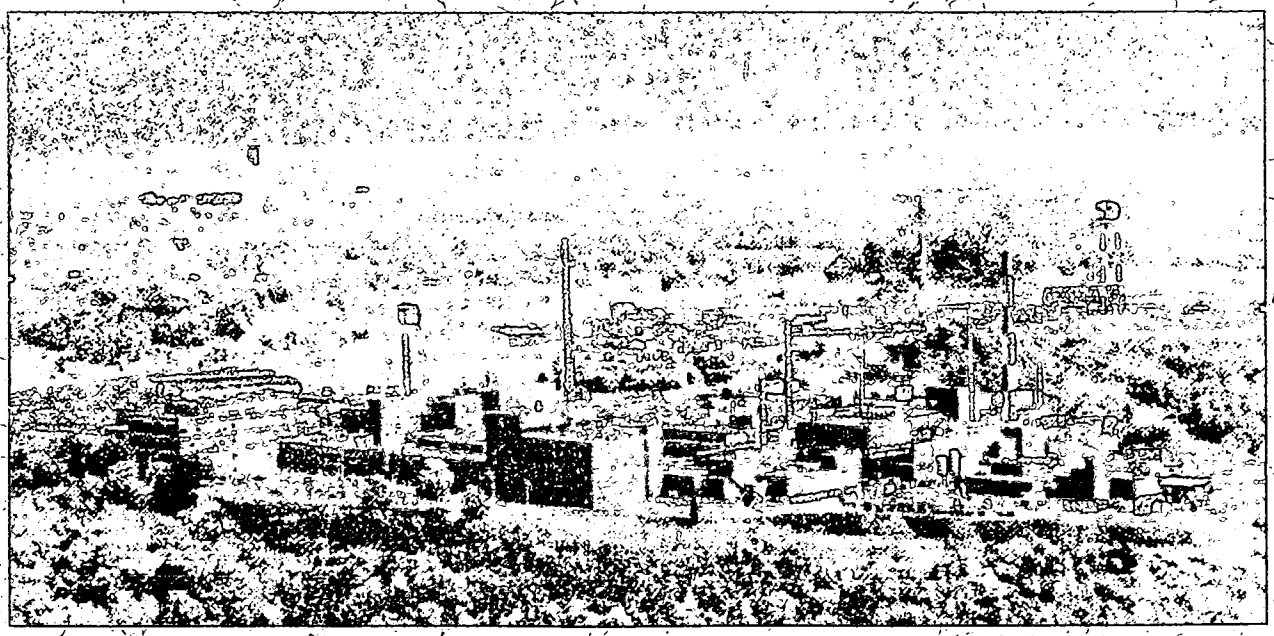
Environmental
Restoration
Program

MOUND PLANT

Potential Release Site Package

PRS 421

FINAL
JUNE 2002



MOUND

Environmental Restoration Program

MOUND PLANT POTENTIAL RELEASE SITE PRS PACKAGE

Notice of Public Review Period

The following Potential Release Site (PRS) fact sheet is available for public review in the CERCLA Public Reading Room, 305 E. Central Ave., Miamisburg, Ohio. Public comment on this document will be accepted May 10, 2001 through June 10, 2001.

PRS 421: Ridge, Contaminated Soil

Questions can be referred to Paul Lucas at (937) 865-4578.

PRS 421 Tracking Sheet

REVISION	DESCRIPTION	DATE
WORKING DRAFT	PRS introduced AT July 2000 Core Team meeting.	**12 July 2000**
DRAFT	PRS evaluated and binned as Response Action on 12 July 2000.	**12 July 2000**
DRAFT PROPOSED FINAL	Document finalized in preparation for public review.	**10 October 2000**
DRAFT PROPOSED FINAL	OEPA comments received. Document adjusted. No USEPA comments.	**20 December 2000**
PUBLIC REVIEW DRAFT	Document reviewed at Core Team meeting on 20 February 2001. Minor comments incorporated. Core Team Declared document ready for public review. The public review period covered 10 May – 10 June 2001.	
FINAL	Response to comments enclosed. No changes to the document were required.	**June 2002**

The Mound Core Team
P.O. Box 66
Miamisburg, Ohio 45343-0066

Mr. Daniel Bird, AICP
Planning Manager
Miamisburg Mound Community Improvement Corporation
720 Mound Road
COS Bldg. 4221
Miamisburg, Ohio 45342-6714

Dear Mr. Bird:

The Core Team, consisting of the U.S. Department of Energy Miamisburg Environmental Management Project (DOE-MEMP), U.S. Environmental Protection Agency (USEPA), and the Ohio Environmental Protection Agency (OEPA), appreciates your comments on the PRS 421 Data Package. Attached are our responses.

Should the responses to comments require additional detail, please contact Robert Rothman at (937) 865-3823 and we will gladly arrange a meeting or telephone conference.

Sincerely,

DOE/MEMP: _____
Robert S. Rothman, Remedial Project Manager

USEPA: _____
Timothy J. Fischer, Remedial Project Manager

OEPA: _____
Brian K. Nickel, Project Manager

MMCIC Comments

PRS 421 Data Package

Public Review Draft, February 21, 2001

Substantive Comments

1. MMCIC concurs that a removal action is warranted for the area identified as PRS 421. Once the removal action is complete, MMCIC requests that DOE/BWXTO return the east-west roadway passing through PRS 421 to the standards required of a public secondary roadway, consistent with the Mound Comprehensive Reuse Plan.

   Response
   The plans for site restoration will be developed as the removal action proceeds. With continuing, timely communication between MMCIC and DOE, the Core Team expects that the east-west roadway passing through PRS 421 will be returned to a state consistent with the Mound Comprehensive Reuse Plan to the extent practicable.

Errata

1. No comments

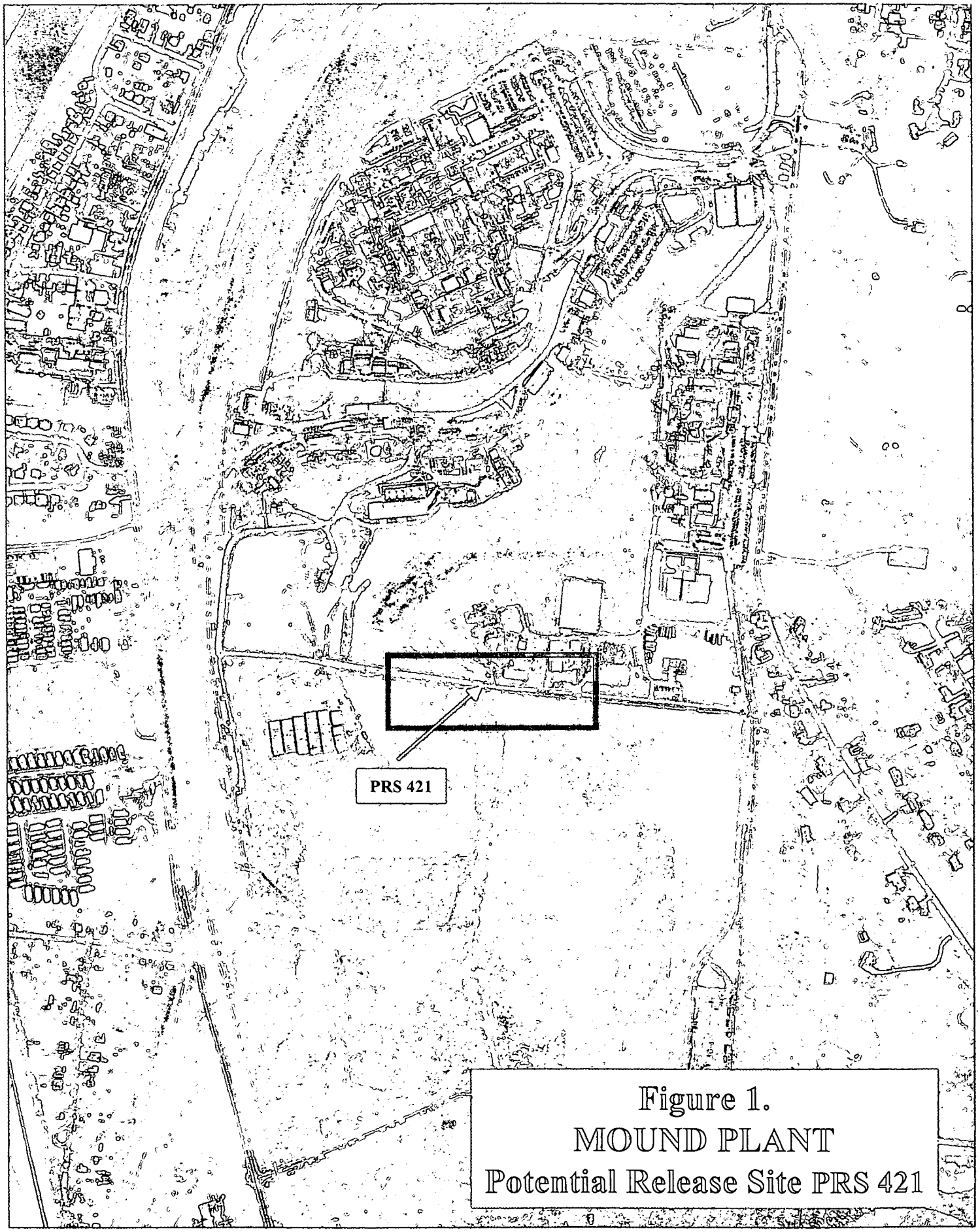


Figure 1.
MOUND PLANT
Potential Release Site PRS 421

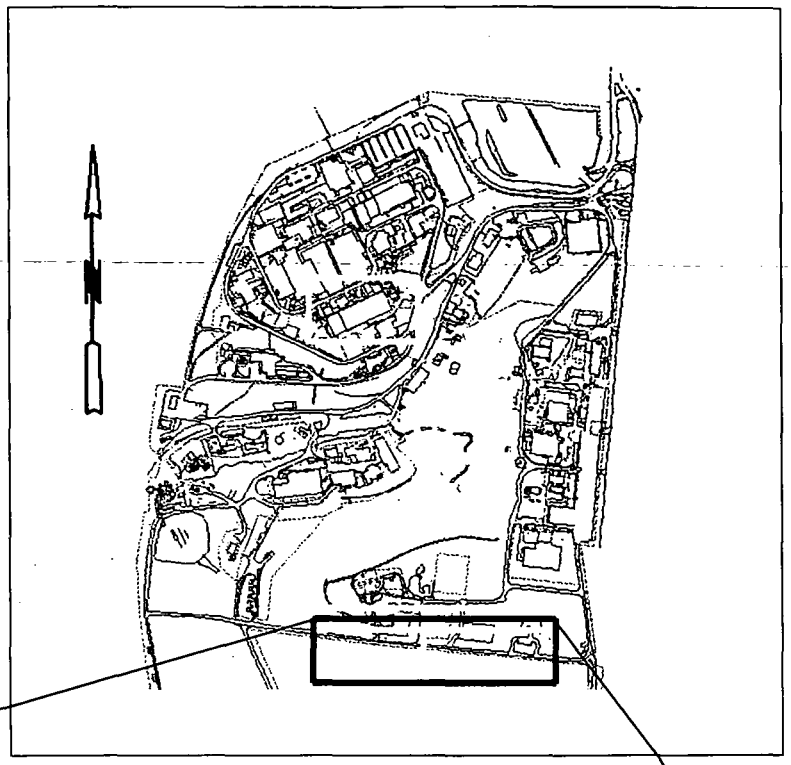
Mound Plant

PRS 421

"The Ridge"

Contaminated Soil

On the map below:
- PRS number and location shown in black
- Fencing shown in red
- Elevation contours shown in brown
- Other PRS's shown in blue



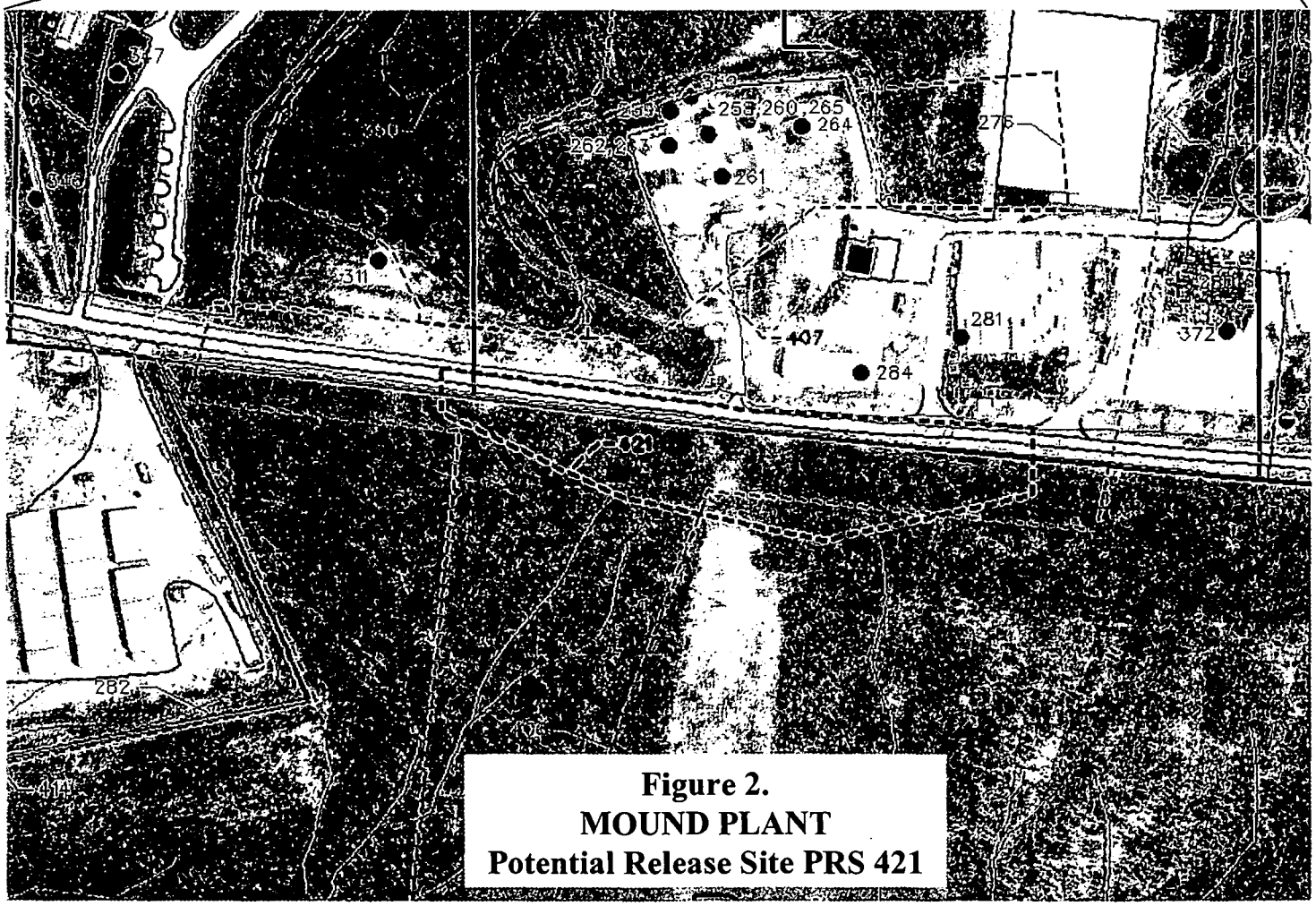


Figure 2.
MOUND PLANT
Potential Release Site PRS 421

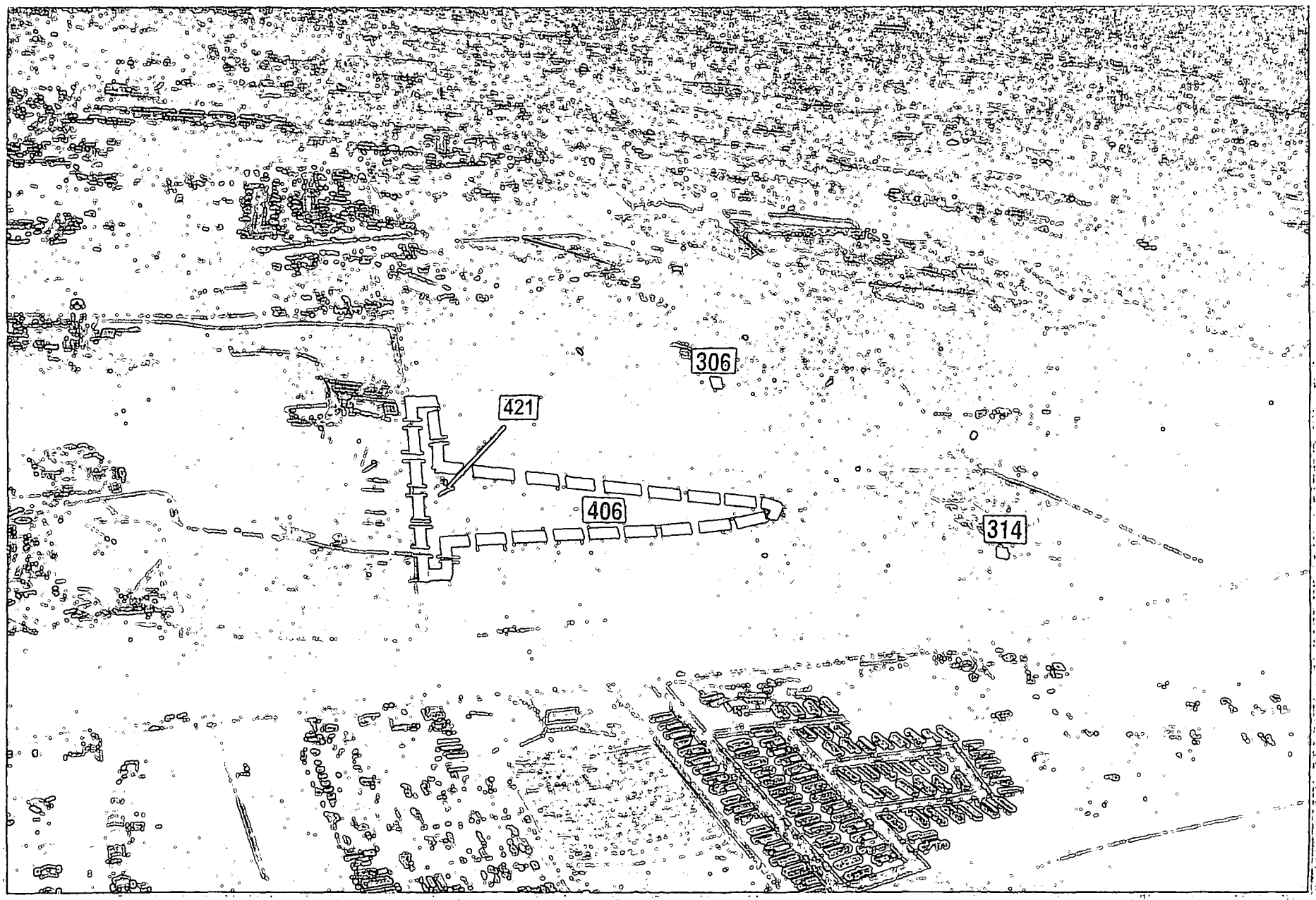


Figure 3. Location of PRS 421

PRS 421

Ridge, Contaminated Soil

PRS HISTORY:

Potential Release Site (PRS) 421 was created after the accomplishment of the Removal Action (RA) for the *Building 21 (PRS 284) & Associated Soils (PRS 407 and PRS 281) Decontamination & Decommissioning (D&D) Project*[1]. Note Figures 1 & 2. Verification sampling results from this RA activity indicated the necessity to create PRS 421. This was collaborated by review of GIS Sampling and Contamination Information[2], a 1999 Radiological (Health Physics) Survey[3] accomplished to support locating power line poles for Dayton Power & Light, and a review of the *PRS 407, Soil Contamination – Area West of Building 21* document (unpublished author draft). It is felt that PRS 421 contamination is the result of contaminant migration from PRS 407 and PRS 284. Five storm drains from the PRS 407 and PRS 284 areas discharged into the area of PRS 421. See narrative below. There is no process history associated with PRS 421; no incidents, spills, or leaks are noted to have occurred here.

NARRATIVE:

PRS 407 is comprised of approximately four (4) acres of land. It is located on the southern boundary of the original Mound Plant property, more specifically identified as that land associated with and surrounding the now demolished Building 21 (also identified as PRS 284). It is immediately north of the subject PRS 421 and contains *PRS 281 – Area E, Waste Oil Spill*[4].

The Mound Plant PRS package *PRS 306/314/406 – South Property*[5] notes that PRS 407 was once part of the original *PRS 283 – Area I*[6], *Bulk Transfer of Thorium Drums (AKA Plutonium Recoverable Waste Storage)*, and that PRS 283 included land on both the original Mound Plant property (PRS 407) and the new plant property (PRS 406). As explained in Reference 6, creating PRSs 406 and 407 from PRS 283 was accomplished to expedite Mound Plant clean-up and subject property transfer to the City of Miamisburg. PRS 406 was evaluated by the Mound 2000 Core Team to require No Further Assessment (NFA), along with PRSs 306 and 314.

PRSs 407 and 284 were characterized in 1995[7]. Subsequently, Building 21 (PRS 284) was demolished during the period of October 1996 through March 1997. Approximately one to two feet depth of soil around and below the building slab was also removed. PRS 407 soil removal followed during the period of June 1997 through March 1998, with additional excavation in the autumn of 1999 near the roadway separating the new from original Mound Plant properties or, that is, separating PRS 407 from PRS 406 and the newly created PRS

421. The successful response actions associated with PRS 284, PRS 281, and PRS 407, as noted in Reference 1, resulted in these PRSs achieving the disposition status of No Further Assessment (NFA) required.

CONTAMINATION:

Contaminants of concern for PRS 421 are noted in Table 1, as derived from Reference 2.

Table 1: "The Ridge" Sample Results Exceeding Guideline Criteria (10^{-6})*

Contaminant	Maximum Level	Guideline Value	Background
Benzo(a)pyrene	1.0 mg/kg	0.41 mg/kg	NA
Beryllium	1.4 mg/kg	0.70 mg/kg	1.3 mg/kg
Cesium-137 (+D)	1.15 pCi/g	0.46 pCi/g	0.42 pCi/g
Thorium-228 (+D)	15.6 pCi/g	0.11 pCi/g	1.5 pCi/g
Thorium-230 (+D)	2.59 pCi/g	0.13 pCi/g	1.9 pCi/g
Thorium-232 (+D)	32.6 pCi/g	0.11 pCi/g	1.4 pCi/g
Plutonium-238	396.4 pCi/g	55 pCi/g (10^{-5})	0.13 pCi/g
Uranium-234 (+D)	6.6 pCi/g	0.13 pCi/g	1.1 pCi/g

*Construction Worker

READING ROOM REFERENCES:

1. *On Scene Coordinator (OSC) Report, Building 21 (PRS 284) and Associated Soils (PRS 407 and PRS 281) Decontamination & Decommissioning (D&D) Project*, Removal Action, Mound Plant, Miamisburg, Ohio, January 2000, Final.

4. Potential Release Site (PRS) 281 Data Package: Area E - Waste Oil Spill.

5. Potential Release Site (PRS) 306/314/406: South Property.

6. *Operable Unit 9, Site Scoping Report: Volume 3 – Radiological Site Survey, Section 5.2*, Mound Plant, Miamisburg, Ohio, June 1993.

7. *Building 21 and Surrounding Soils Investigation Data Report*, Mound Plant, Miamisburg, Ohio, June 1995.

OTHER REFERENCES:

2. GIS sampling and contamination information.

3. Radiological (Health Physics) survey data (1999).

PREPARED BY:

Dennis Gault, BWXTO Project Engineer, Soils Project
Joe Geneczko, Member of BWXTO Technical Staff, Environmental Safeguards & Compliance

MOUND PLANT
PRS 421
"The Ridge"
Contaminated Soil

RECOMMENDATION:

Potential Release Site (PRS) 421was identified as a PRS when historical sampling data indicated the presence of contaminated soil in the "Ridge" area. This was confirmed during the verification sampling for PRS 407. Elevated readings were also observed during a 1999 Health Physics survey to support locating power line poles for DP&L. This PRS is a subpart of PRS 406.

The magnitude of contamination for PRS 421 as indicated by historical sampling data revealed levels of Plutonium-238 up to 396.4 pCi/g (5.5 pCi/g 10^{-6} risk based guideline value), Thorium-232 up to 32.6 pCi/g (0.11 pCi/g 10^{-6} risk based guideline value), and Thorium-228 up to 15.6 pCi/g (0.11 pCi/g 10^{-6} risk based guideline value).

Therefore, since PRS 421 contains unacceptable levels of contaminants above guideline values, a REMOVAL ACTION is recommended.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath, Remedial Project Manager — October 18 2000 (date)

USEPA: Timothy J. Fischer, Remedial Project Manager — 11/16/00 (date)

OEPA: Brian K. Nickel, Project Manager — 10/18/00 (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from _____ to _____

☐ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

Reference 1

ON SCENE COORDINATOR (OSC) REPORT

BUILDING 21 (PRS 284) & ASSOCIATED SOILS (PRS 407 AND PRS 281) DECONTAMINATION & DECOMMISSIONING (D&D) PROJECT

REMOVAL ACTION

MOUND PLANT
MIAMISBURG, OHIO

January 2000

Final

(Revision 0)

Department of Energy

BWXT of Ohio

On Scene Coordinator (OSC) Report

For

Building 21 (PRS 284) and Associated Soils (PRS 407 and PRS 281)

Decontamination and Decommissioning (D&D) Project

DOE Mound Plant

Miamisburg, Ohio 45343-3020

Prepared for:

United States Department of Energy

Miamisburg Environmental Management Project

P.O. Box 3020

Miamisburg, Ohio 45343-3020

Prepared by:

BWXT of Ohio

Contract # DE-AC24-97OH20044

January 2000

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EXECUTIVE SUMMARY

This On-Scene Coordinator Report briefly summarizes the history of, and serves to document the activities and conclusion of the Building 21 and Associated Soils Decontamination and Decommissioning (D&D) Project Removal Action.

This Removal Action addressed Building 21 and Associated Soils near to and on which the building resided. Building 21 was constructed for the containment of thorium sludge. It served this purpose from its construction in 1964 until 1975 when the thorium constituents were removed. The building then served to store drums of Cotter Concentrate (uranium milling waste). This concentrate was removed in 1987 and the building stood unused until its decontamination and demolition during the period of October 1996 to March 1997. Building 21 was designated as Potential Release Site (PRS) 284 in *Operable Unit 9, Site Scoping Report: Volume 12 - Site Summary Report*, (OU9, Vol. 12), Mound Plant, Miamisburg, Ohio, December 1994.

Associated Soils include PRS 407 and PRS 281. Note Figures 1a and 1b. As noted in Figure 1b, PRS 407 is located north of the east-west road and fence that form the boundary separating the original (northern) and new (southern) Mound Plant properties. PRS 407 was administratively derived from PRS 283. PRS 283 was originally created to address thorium and plutonium contamination issues thought to exist on both the northern and southern portions of the noted Mound Plant areas. The southern area of the original PRS 283 was identified as PRS 406. This administrative action was accomplished to facilitate the release of Mound Plant property to the City of Miamisburg. Core Team evaluation of PRS 406 conducted under the Mound 2000 Plan determined that PRS 406 merited No Further Assessment.

PRS 407 is comprised of approximately four (4) acres of land and surrounds Building 21. It has a complex history of surficial contamination, sampling, and shallow excavation. Contaminated soil removal activities date back to 1975. PRS 407 activities and requirements were jointly reviewed and studied by the Mound 2000 Core Team and Building 21 & Associated Soils D&D Project members. This review resulted in additional investigation and analysis, subsequently culminating in PRS soils excavation and removal during the period June 1997 to March 1998.

This excavation and soil removal included PRS 281, resident within PRS 407. OU9, Volume 12 identifies PRS 281 as a historical, isolated waste oil spill. This PRS was declared by the Core Team to require Further Assessment.

The objectives of the Removal Action included, in part, the dismantlement, demolition, and removal of Building 21 and the removal of immediately adjacent soils; the excavation and removal of contaminated soil as required in PRSs 407 and 281; and, the verification of achievement of cleanup objectives. Building 21 demolition materials and soil were shipped via truck to the Nevada Test Site (NTS). Associated soils were dispositioned via railcar to Envirocare. Verification sampling confirms that established cleanup goals were achieved.

Art Kleinrath, On-Scene Coordinator
U.S. Department of Energy
Miamisburg, Ohio

Timothy Fischer, Remedial Project Manager
U.S. EPA
Chicago, Illinois

Brian Nickel, Project Manager
Ohio EPA
Dayton, Ohio

1 SUMMARY OF EVENTS

1.1 Site Conditions and Background

Building 21 was located in the south central portion of the Mound plant original property, just north of the new property acquisition. It was designated as Raw Material Storage (Thorium Sludge), and was designed to ensure liquid tightness in containment of this sludge. Thorium storage operations occurred from 1966 to 1975.

Also identified as Potential Release Site (PRS) 284, Building 21 was a 4,069 square foot concrete structure with 10-inch thick floors and 14 to 16-inch thick walls. It had two separate and isolated storage bays. The roof was constructed of iron and steel. Several thousand drums of thorium sludge and oxalate were dumped into and stored in the bays.

In 1975, the thorium was removed and the building cleaned. It was then used as a 55-gallon drum staging and storage area for Cotter Concentrate (high-level waste resulting from uranium milling). This concentrate was removed in 1987. The building was unused from 1987 until its demolition during the period of October 1996 to March 1997.

Building 21 resided within PRS 407 and near PRS 281. PRS 407 was derived from PRS 283, since retired. See Figures 1a and 1b. After dismantlement, demolition, and removal of the building, PRS 407 soil excavation was accomplished.

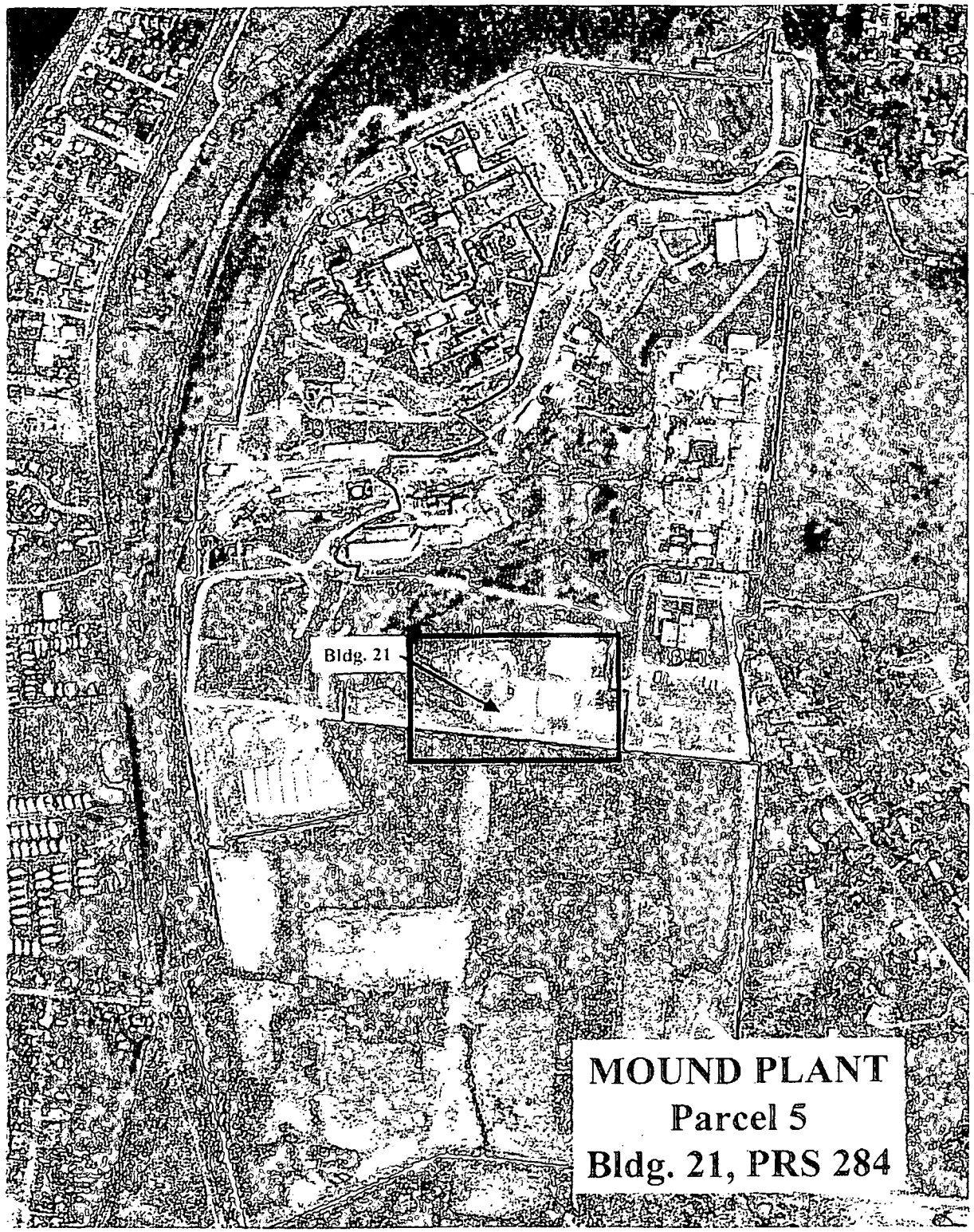


Figure 1a. Building 21 & Associated Soils

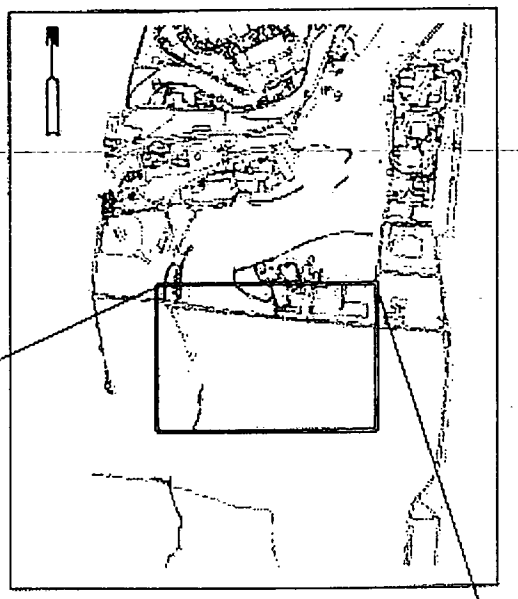
Mound Plant

Parcel 5

Building 21 (PRS284) &

Associated Soils (PRS407 & PRS281)

On the map below:
- Bldg. number and location shown in dashed black
- PRS's shown in blue
- Fencing shown in red
- Elevation contours shown in brown
- PRS283 shown in solid black



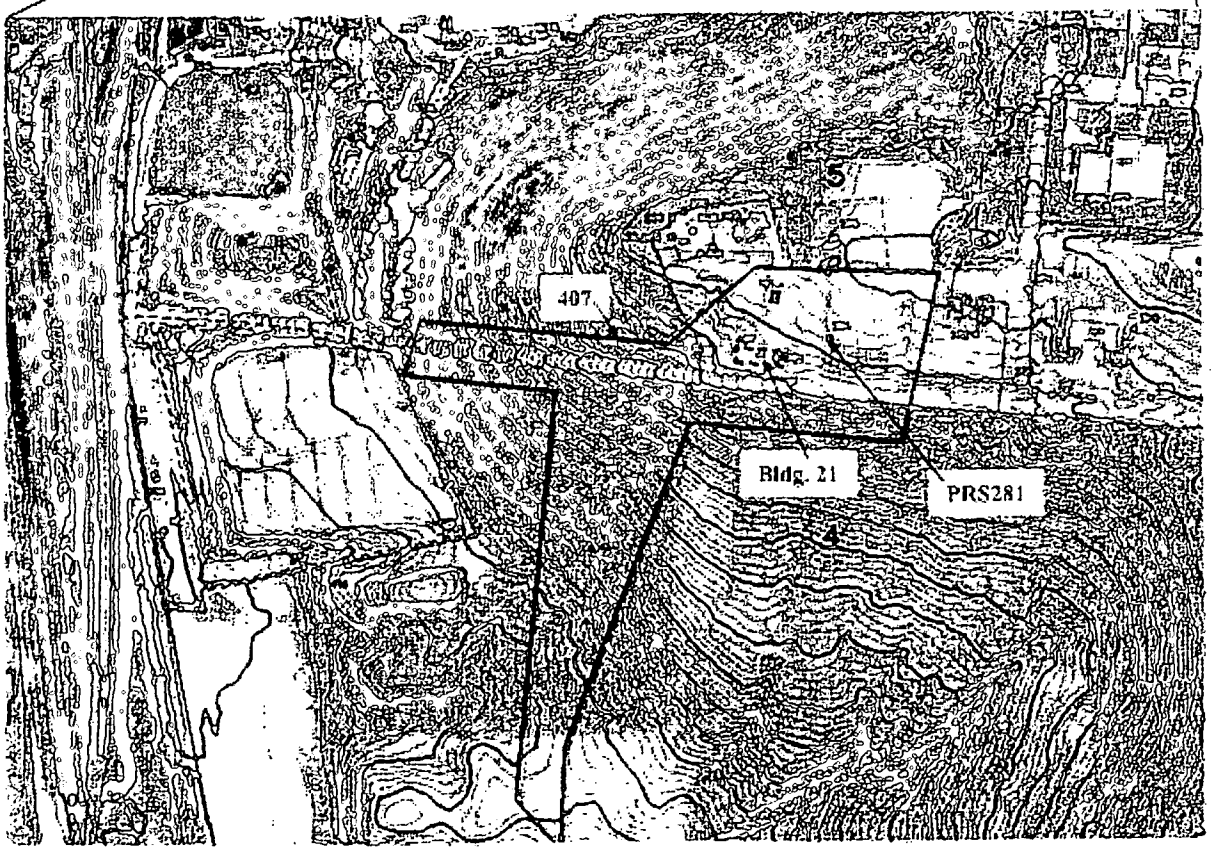


Figure 1b. Building 21 & Associated Soils

PRS 407 is comprised of approximately (4) acres of land and surrounds Building 21. It has a complex history of surficial soil contamination, sampling, and shallow excavation. Contaminated soil removal activities date back to 1975. As removal planning and field activities were accomplished under the past Decontamination & Decommissioning (D&D) Program at Mound Plant, no Action Memorandum was required.

PRS 407 activities and requirements were jointly reviewed and studied by the Mound 2000 Core Team, and Building 21 & Associated Soils D&D Project members. This review resulted in additional investigation and analysis, subsequently culminating in PRS soils excavation and removal during the period of June 1997 to March 1998. This excavation and soil removal included PRS 281, resident within PRS 407. OU9, Volume 12 identifies PRS 281 as a historical, isolated waste oil spill. This PRS was originally declared by the Core Team to require Further Assessment.

Building 21 demolition materials and soil were shipped via truck to the Nevada Test Site (NTS). All PRS 407 and PRS 281 soils were removed by railcar to Envirocare. Site grading and restoration employed Mound Plant soil generated from excavations in Parcel H. This soil was approved for release and use in PRS 407 by the Mound 2000 Core Team.

Since the DOE is the sole responsible party for the cleanup of contamination associated with Building 21 & Associated Soils, no other Potentially Responsible Parties were sought to cleanup the site. Monsanto Research Corporation was the initial operating contractor at the site from the late 1940s until September 1988. EG&G Mound Applied Technologies operated the plant from October 1, 1988 until September 30, 1997. Babcock & Wilcox of Ohio (BWO) became the contractor for the Mound Plant Exit Project on October 1, 1997.

1.2 Organization Of The Response

Table 1 lists the groups responding to this Action, and their responsibilities.

Table 1. Organization of the Response

Agencies or Parties Involved	Contact	Description of Participation
US EPA HSRM-6J 77 W. Jackson Chicago, IL 60604 312-886-5787	Tim Fischer	Federal agency responsible for Mound Plant oversight.
Ohio EPA 401 E. Fifth St. Dayton, OH 45402-2911 937-285-6468	Brian Nickel	State agency responsible for Mound Plant oversight.
DOE-MEMP P.O. Box 66 1 Mound Road Miamisburg, OH 45343-0066 937-865-4020	Jim Gambrell	DOE Project Manager responsible for project oversight and success.
B&W Of Ohio SM/PP Hill Project P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030 937-865-4020	Evans Reynolds	Provided the DOE/MEMP Project Manager with technical assistance and administrative support. Accomplished sampling, decontamination, and demolition functions as required. Provided safety support. Accomplished photo at site documentation, and report preparation.
B&W Of Ohio General Superintendent and Equipment Manager P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030 937-865-4020	Dave Armstrong	Provided the personnel and equipment necessary for the demolition.

1.3 Objectives

The objectives of this Removal Action were: the dismantlement, demolition, and removal of Building 21, and the removal of immediately adjacent soils; the excavation and removal of associated contaminated soil as required in PRSs 407 and 281; the attainment of cleanup objectives (1×10^{-5} risk based guideline values plus background) for the radionuclides of concern (Th-228, Th-230, Th-232, and Pu-238); the verification of the presence or absence of soil contamination at PRS 281 (including Ra-226); the verification that oil contamination discovered in one area (Grids B7 and B8) of PRS 407 was remediated; and, the determination if soil in PRS 407 contained chemical contaminants. A Verification Sampling and Analysis Plan was developed to support accomplishment of these objectives.

The results of verification sampling are included in Appendix B and summarized in Table 2a and Table 2b. Verification sampling confirms that established cleanup goals were achieved.

Table 2a. Radionuclide Analysis Summary
(Also see Appendix B.)

PRS	Contaminant	Concentration Detected (pCi/g) (95% UCL Value)	Cleanup Standard (pCi/g)
407	Th-228 (+ daughters)	1.20	3.1
407	Th-230 (+ daughters)	1.02	3.2
407	Th-232 (+ daughters)	1.37	2.4
407	Pu-238	5.05	55.1
PRS	**Contaminant**	**Maximum Concentration Detected (pCi/g)**	**Cleanup Standard (pCi/g)**
281	Th-228 (+ daughters)	1.09	3.1
281	Th-230 (+ daughters)	1.07	3.2
281	Th-232 (+ daughters)	1.10	2.4
281	Pu-238	0.07	55.1
281	Ra-226	2.68	3.4

Table 2b. Chemical Analysis Summary
(See Appendix B.)

PRS	Analyte	Summary Results	Comments
407	Semi-Volatiles	Below Risk Based Guideline Values	
407	Inorganics (metals)	Below Risk Based Guideline Values	
407	Inorganics (anions)	Results within natural background	
407	TPH	Less than 904 parts per million	BUSTR Guideline
281	Lead	Below Risk Based Guideline Values & within natural background	
281	PCBs	Below method detection levels	
281	TPH	Less than 904 parts per million	BUSTR Guideline

1.4 Chronological Summary Of Response Actions

The following is a chronological narrative of events relevant to the Building 21 & Associate Soils Decontamination and Decommissioning Response Action.

1964:	Building 21 is constructed.
1966:	Thorium sludge storage operations begin.
1975:	Thorium sludge storage ends and storage of Cotter Concentrates begins.
1987:	Cotter Concentrate removed and building stands unused.
November 1989:	Mound Plant is placed on the National priorities List (NPL).
December 1994:	Building 21 is declared PRS 284. PRSs 281 and 283 are declared.
June 1995:	Building 21 and surrounding soils are characterized (D&D).
June 1996:	Building 21 and surrounding soils D&D Work Packages are created.
November 1996:	PRS 407 is created from PRS 283.
October 1996 to March 1997:	Building 21 is demolished and debris is staged for shipment to NTS.
June 1997 to March 1998:	PRS 407 soil (including PRS 281) is excavated and removed to Envirocare.
April 1999:	*Verification Sampling and Analysis Plan for PRS 407* (Final) issued.

May 1999 to August 1999	Building 21 waste containers shipped to NTS.
August 1999:	*Verification Sampling Report, Potential Release Site 407* (Draft) issued.
September 1999:	Additional excavating and sampling accomplished in PRS 407, Grid I19.
November 1999:	Additional excavating and sampling accomplished in PRS 407, Grid J8.
December 1999:	Verification Sampling Report, Potential Release Site 407 (Final) issued. Includes adjustments based on Grids I-19 and J8.

1.5 Resources Committed

Table 3 is a summary of waste materials removed from the Removal Action locations. Table 4 lists the total cost summary for these actions.

Table 3. Materials and Disposition

Material	Quantity	Disposal Method	Disposal Location
Contaminated Soil	9030 yd^3	Burial	Envirocare of Utah
Building Debris	185 yd^3	Burial	Nevada Test Site

Table 4. Removal Project Cost Summary

Type of Cost	Cost
Characterization & Work Planning	564,223
Remediation	1,790,000
Verification	250,000
Restoration	150,000
TOTAL COST	2,754,223

2 EFFECTIVENESS OF THE REMOVAL ACTION

2.1 Actions Taken By Mound Personnel

BWO personnel planned and accomplished the dismantlement, demolition, excavation, removal, and verification objectives noted in Paragraph 1.3. Site grading and restoration is initiated. Verification sampling confirms that established cleanup goals were achieved. The objectives of the Removal Action were accomplished.

2.2 Actions Taken By Local, State, And Federal Agencies

DOE/MEMP was the lead agency for the removal action. USEPA and OEPA had oversight responsibility for the removal action.

2.3 Actions Taken By Contractors

Terran Corporation of Beavercreek, Ohio performed the analysis of the verification samples and wrote the Verification Sampling Report.

3 DIFFICULTIES ENCOUNTERED

3.1 Items That Affected The Response

Project completion was delayed as an appropriate "Path Forward" was agreed to concerning acceptable thorium cleanup levels. In October 1998, a "Path Forward" was determined concerning verification of the soil removal area associated with the project. DOE/MEMP, the BWO Soils Project Manager, and the BWO SM/PP Project Manager decided that the solution would be to prepare a Verification Sampling and Analysis Plan that would serve to assist in verification that the project did meet the established cleanup objectives for Building 21 & Associated Soils. The final version of this plan was issued in April 1999.

For the removal action to be complete, the verification sampling must meet the established cleanup goals stated in the Verification Sampling and Analysis Plan. The established cleanup goals were not initially achieved for sample locations I-19 and J8 where the radioactive contamination was more than three times the cleanup goal. Additional excavation, removal, and verification were required for these grid locations. Table 2a results are inclusive of this additional remediation activity. Note Paragraph 1.4. Ohio EPA verification results are included in Appendix C.

Although the clean-up standard was achieved for Grid I-19, field screening and soil analysis indicate that contamination from the same source term continue to the south of this grid. This contamination will be addressed in future removal actions.

3.2 Issues Of Intergovernmental Coordination

There were no issues of intergovernmental coordination.

4 RECOMMENDATIONS

4.1 Means To Prevent A Recurrence Of The Discharge Or Release

This section does not apply at Mound. This removal action was part of the remediation and closure of the Mound Plant. Building 21 associated contaminated soils were removed and disposed of.

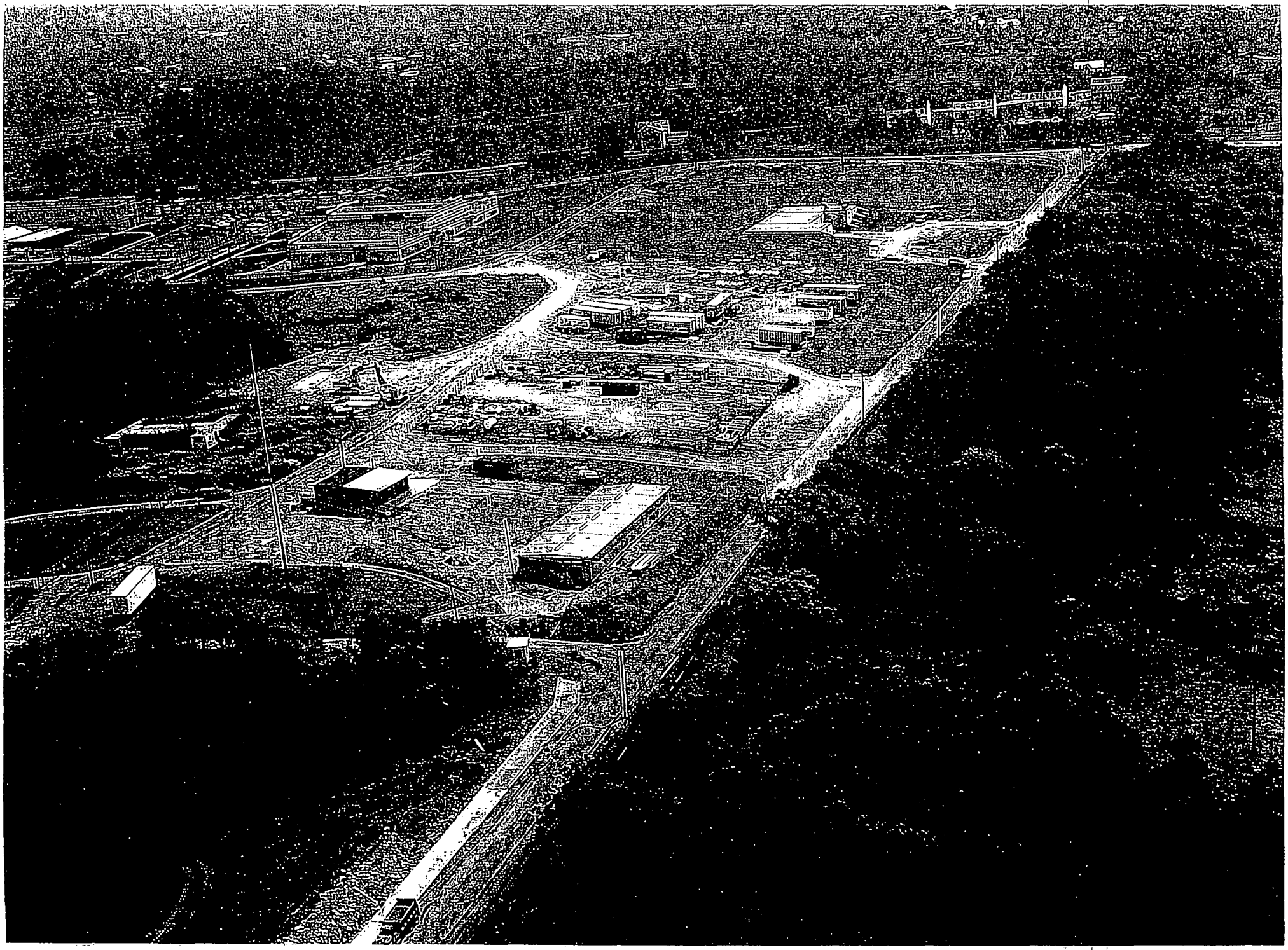
5 REFERENCE LIST OF SUPPLEMENTAL DOCUMENTS

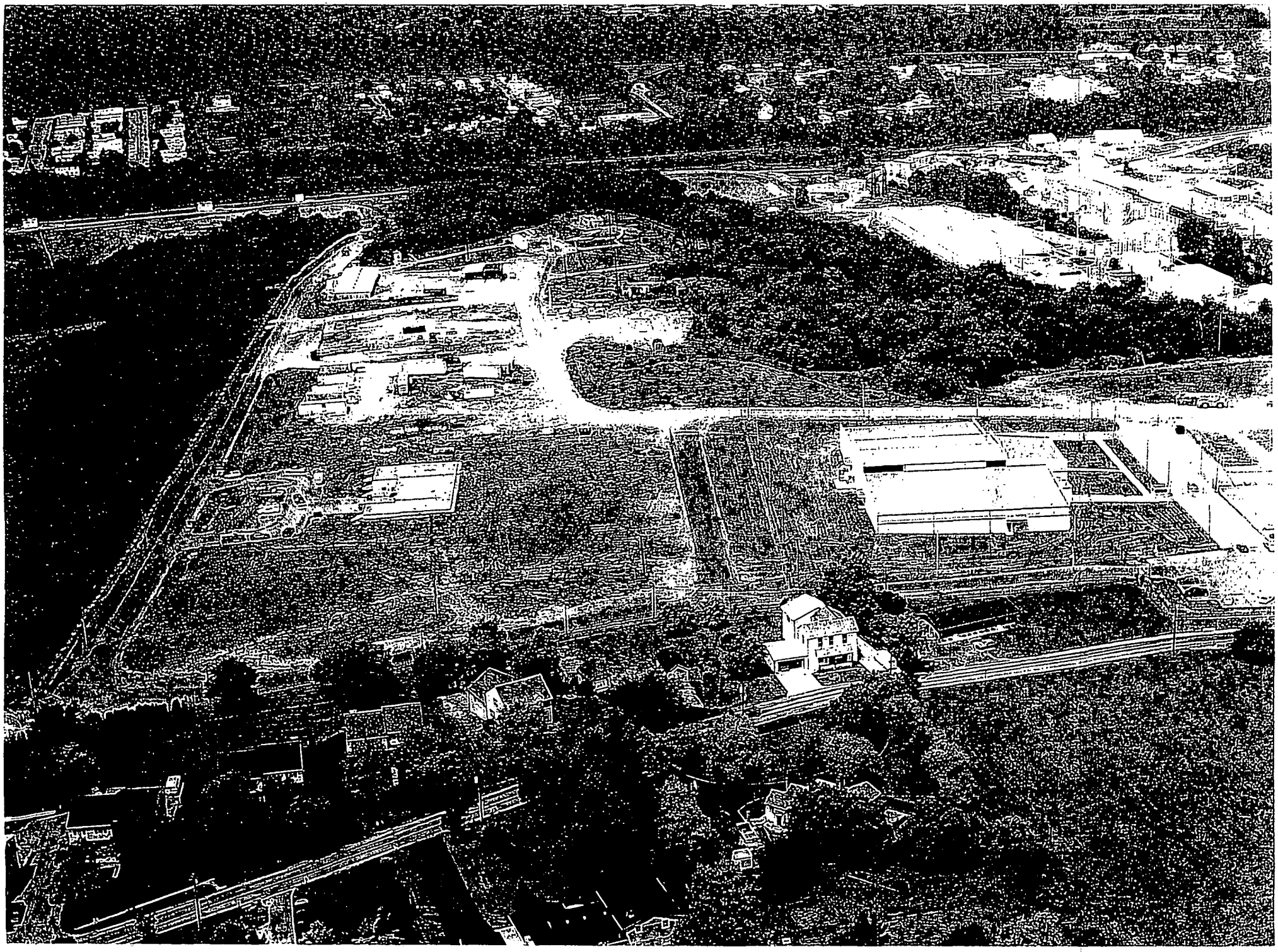
The following reports and documents are pertinent to the removal action and can be found in the CERCLA public reading room at the Miamisburg Senior Adult Center, 305 Central Avenue, Miamisburg or by contacting Jim Gambrell, Project Manager for Building 21 and Associated Soils Removal Action, at 937-865-3366.

- *Building 21 and Surrounding Soils Investigation Data Report*, June 1995.
- *Work Package for Building 21 and Surrounding Soils Decontamination and Decommissioning Project*, Final, June 27, 1996.
- *Soil Characterization Results for SMPP-1*, January 1998.
- *Mound Plant Potential Release Site Package, PRS 281.*
- *Verification Sampling and Analysis Plan For PRS 407*, Final, April 1999.
- *Verification Sampling Report, Potential Release Site 407*, Final, December 1999.

APPENDIX A

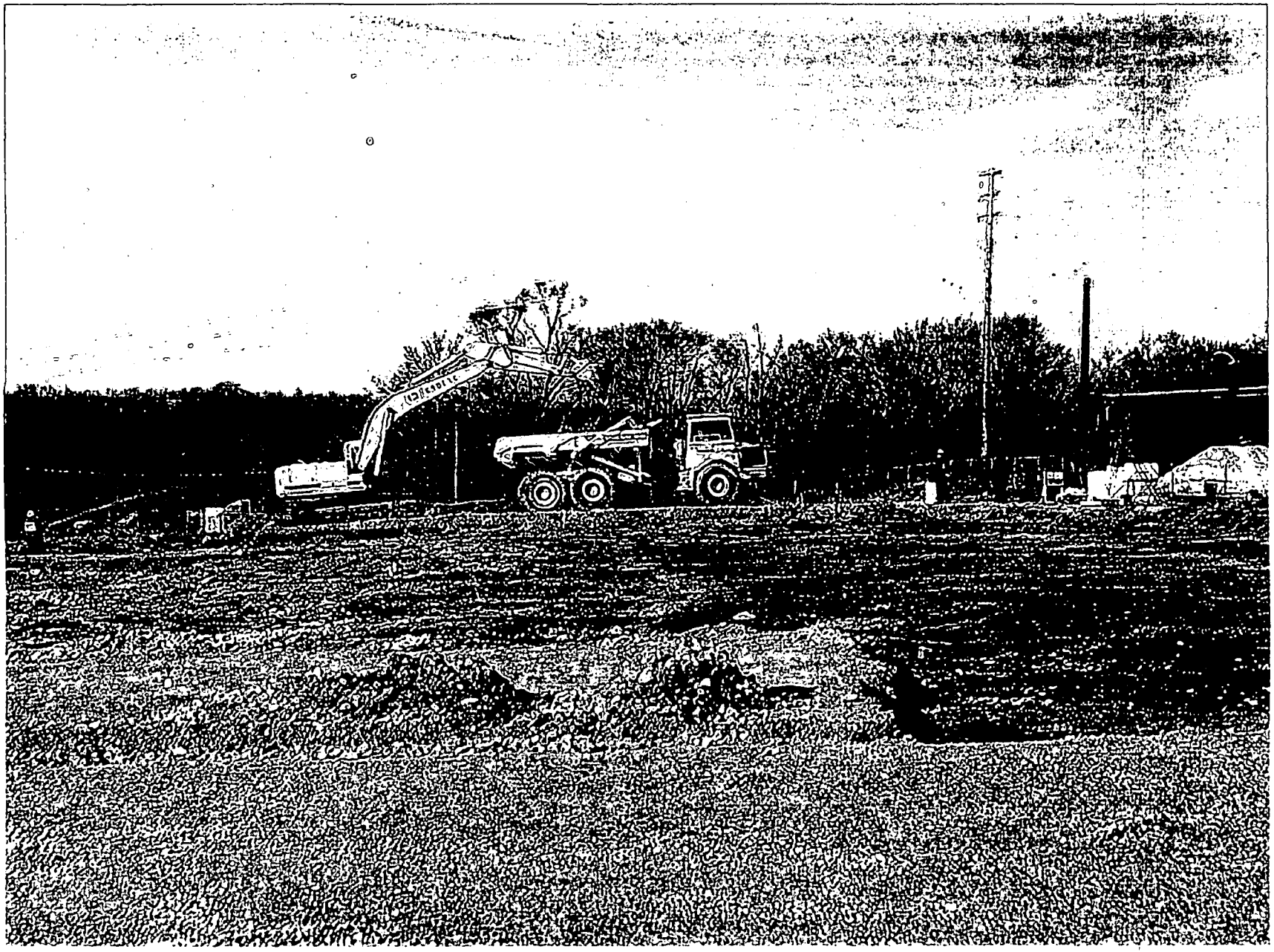
PHOTOGRAPH DOCUMENTATION



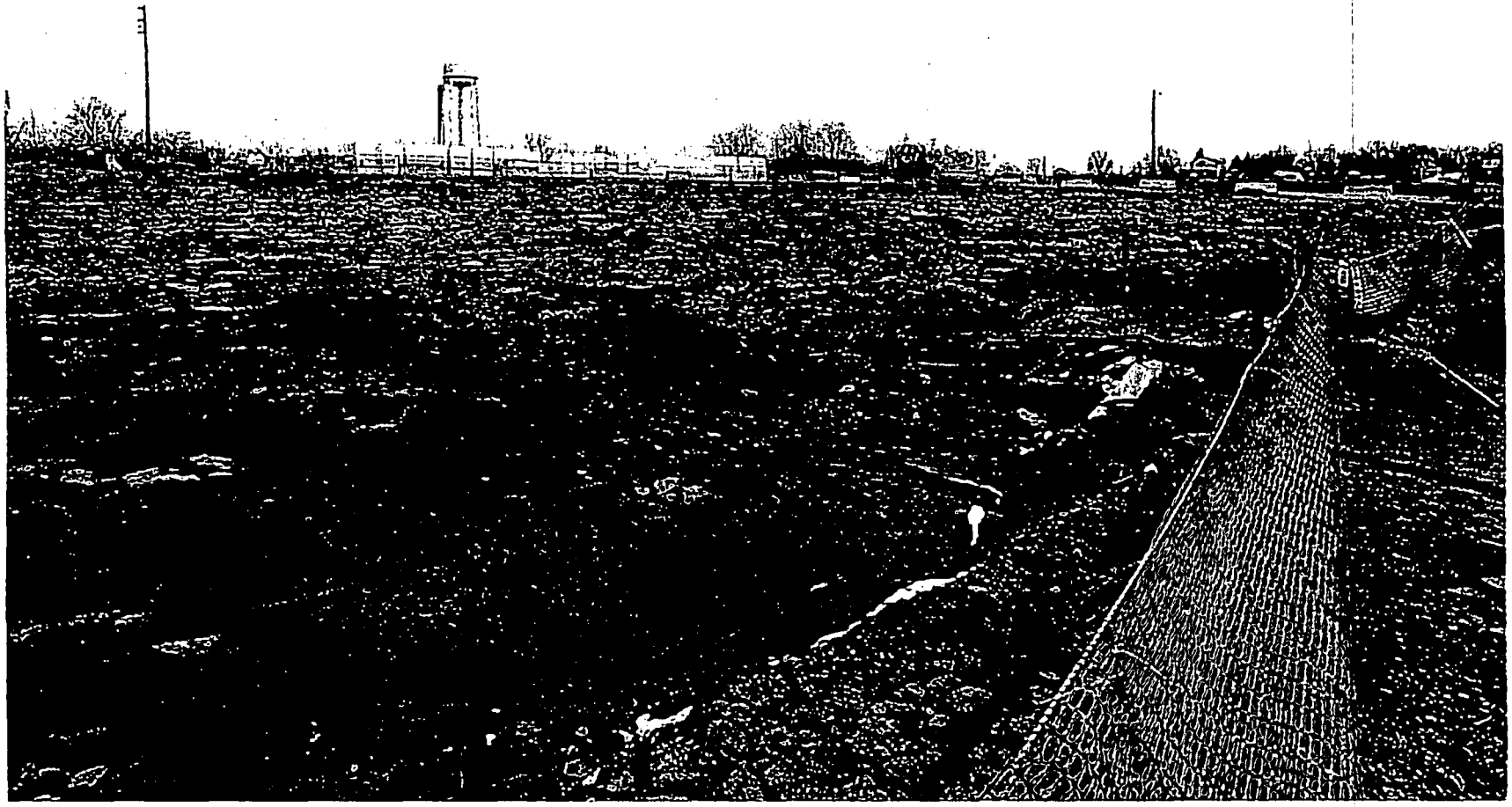


02/00/97 Bldg. 21 demolition 970275

02/00/97 Bldg. 21 demolition 970276



Bldg. 21 area looking west. 12/01/97



01/20/98 Bldg. 21 area, looking east *980036

01/20/98 Bldg. 21 area, looking west *980035

APPENDIX B

Verification Sampling Results

Environmental Restoration Program

VERIFICATION SAMPLING REPORT

POTENTIAL RELEASE SITE 407

MOUND PLANT
MIAMISBURG, OHIO

December 1999

Final

(Revision 0)

Department Of Energy

Babcock & Wilcox of Ohio

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ACKNOWLEDGMENTS

This report was prepared by Terran Corporation of Beavercreek, Ohio as report number TB-9931. It was completed under Task Order 1999-00843 with Babcock & Wilcox of Ohio. The B&W project manager was Rich Bauer. The author and project manager was Roger McCready. Field work was conducted by Christopher Ruef and Shannon Huntsman. Chemical data validation was conducted by Christopher Ruef, Dan Wagel and Joe Solch of Terran. Radiological data validation was completed by Richard Thurman of TechLaw, Lakewood, Colorado.

1.0 INTRODUCTION

A Verification Sampling Report (VSR) has been prepared as part of the Environmental Restoration (ER) Program for Potential Release Site (PRS) 407 at the U.S. Department of Energy (DOE) Mound Plant, Miamisburg, Ohio. The VSR is intended to summarize results for the PRS 407 verification sampling. The primary objective of the verification sampling was to verify that the removal action has been successfully completed. To determine this, soil samples were collected at specific locations and depths and analyzed for radionuclides and chemical constituents.

Specific objectives of the verification sampling program were as follows:

- Provide environmental data obtained through sampling and analysis that is comparable in quality to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Remedial Investigations using regulatory agency approved procedures.
- Verify that PRS 407 has met the $1x10^{-5}$ risk-based guideline values + background for the radionuclides of concern[1,2].
- Verify the presence or absence of soil contamination at PRS 281, which is wholly within the boundary of PRS 407.
- Verify that oil contamination discovered during the soil removal in PRS 407 was remediated.
- Determine if areas within PRS 407 contain other chemical contaminants, associated with Mound Plant activities, which exceed applicable action levels.

1.1 HISTORICAL INFORMATION

Potential Release Site (PRS) 407 is comprised of approximately four (4) acres of land. It is located on the southern boundary of the original Mound Plant property more specifically identified as that land associated with and surrounding the former building 21 (identified as PRS 284), demolished in 1995.

Building 21 became operational in 1966 for the bulk storage of thorium sludge. Operations ended in 1987. It was a 4,069 square foot concrete structure with 10-inch thick floors and 14 to 16 inch thick walls. The roof was constructed of iron and steel. The facility was designed to ensure liquid tightness and was divided in two separate isolated bay areas.

Mound Plant Potential Release Site Package, PRS 306/314/406, November 19, 1996, notes that the subject PRS 407 was once part of the original PRS 283 that included land on both the original and new plant properties.

The PRS 407 land area and the demolished Building 21 (PRS 284) were characterized in 1995. Work packages for both the demolition of PRS 284 and removal of PRS 407 soils were developed in 1996. Building 21 (PRS 284) was demolished and debris placed in LSA containers during the period of October 1996 through March 1997. Approximately one to two feet in depth of soil around and below the building slab was also removed and disposed via railcar shipments to Envirocare. PRS 407 soil removal followed during the period of June 1997 through March 1998. This soil was also excavated from one to two feet in depth in most areas, and disposed via railcar shipments to Envirocare. Approximately 9000 cubic yards of soil were removed from this area (including the PRS 281 area).

1.2 PREVIOUS INVESTIGATIONS

Soil sampling was completed across PRS 407 after the soil removal was completed in March 1997. The objective of the sampling was for excavation control; i.e. to determine if additional excavation was required to meet cleanup goals. Surface soil samples were collected for radionuclide analysis. The excavated area was divided into 10 meter x 10 meter grids and five samples were obtained from each corner and the center of each grid. Approximately 590 soil samples were collected. The soil samples were analyzed by gamma spectroscopy at the H-Building laboratory for the radionuclides of concern.

Table I.1 is a summary of the soil removal confirmation survey. Because the original cleanup objectives for this soil removal were 5 pCi/g for thorium and radium and 100 pCi/g for plutonium-238, the majority of the data are reported as below minimum detectable activity(MDAs). The results for Th-232 and Ra-226 are the exception. The data indicates that the original D&D clean-up goals for thorium and radium were achieved (Th-228 is assumed to be in equilibrium with Th-232 and Ra-226 is assumed to be in equilibrium with Th-230). Although the concentration values for Co-60, Cs-137, Pu-238, Pu-239, Am-241, U-234, U-235 and U-238 are reported as MDAs, the MDAs, were below their respective 1×10^{-5} risk-based guideline value + background.

1.3 SITE DESCRIPTION

The PRS 407 Removal Action area is bounded on the south by a road, a fence and a drainage channel all running parallel with each other, east to west, marking in part the physical separation between the original plant property and the (new) southern property (Figure 1.1). PRS 281, previously reviewed by the DOE/EPA Core Team as requiring Further Assessment (FA), is encompassed within the PRS 407 boundary (Figure 1.1).

TABLE I.1

PRS 407

Soil Removal Confirmation Survey

Mean + 2(STD DEV) Values per Radionuclide

(pCi/g)

	Co-60	Cs-137	Pb-210	Ra-226	Ac-227(D)	Th-228	Th-229	Th-230	Th-232(D)	Pa-231	Pu-238	Am-241	U-234	U-235	U-238 (D)
Average	0.031	0.040	0.804	1.763	0.228	16.571	0.536	5.428	1.006	1.440	52.90	0.063	12.747	0.343	4.344
STD DEV	0.014	0.052	0.330	0.676	0.168	3.181	0.102	2.000	0.773	0.254	22.24	0.050	2.931	0.120	1.930
MIN	0.010	0.010	0.190	0.280	0.07	7.43	0.19	0.52	0.110	0.59	4.160	0.020	7.37	0.060	1.43
MAX	0.070	0.530	1.900	3.850	3.63	33.59	1.12	15.19	7.280	2.680	230.800	0.790	24.430	0.95	12.560
Number of Samples	590	590	590	590	590	210	210	590	590	210	590	590	340	550	550
Mean + 2(STD DEV)	0.058	0.143	1.463	3.114	0.564	22.934	0.739	9.429	2.551	1.947	97.39	0.162	18.610	0.584	8.204
Upper 95% UCL	0.032	0.0434	0.825	1.808	0.239	16.934	0.547	5.553	1.058	1.469	54.342	0.066	13.034	0.351	4.478

NOTE: All the summary information, <u>except for TH-232 (D)</u>, includes minimal detectable activity (MDA) results.

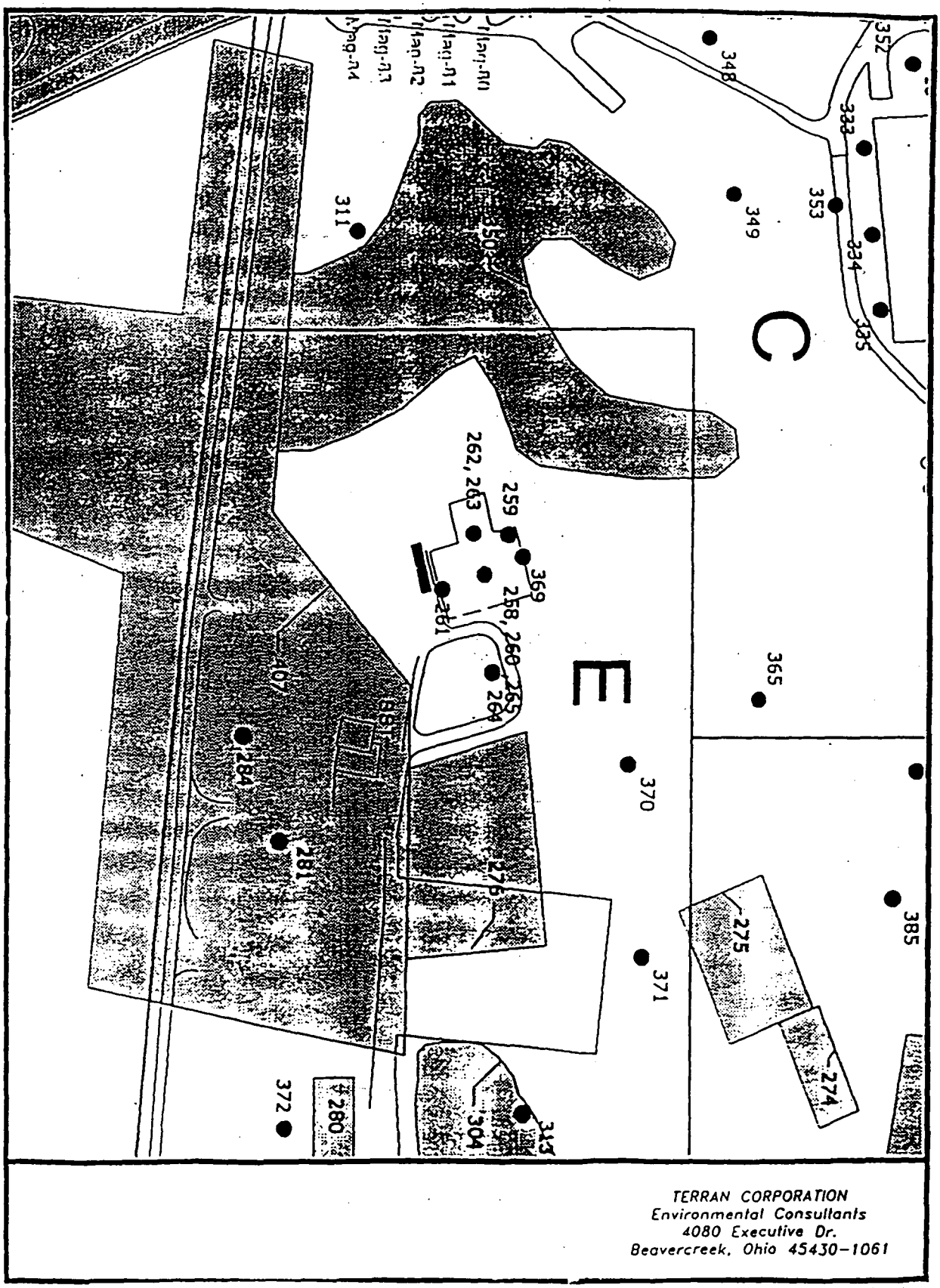


Figure 1.1. Location of PRS-407.

2.0 SAMPLE SIZE, LOCATION, METHODOLOGY AND RESULTS

The PRS 407 Verification Sampling and Analysis Plan[3] (VSAP) was designed to provide guidance to field personnel in implementing the proposed verification sampling activities associated with PRS 407. The main objective of the VSAP was to ensure that the field activities, sampling techniques, and sample handling procedures meet the data quality objectives stated in the OU9 QAPP and ER Method Compendium[4,5].

2.1 SAMPLE SIZE DETERMINATION

The validity of the decision that a site meets the cleanup standard depends on how well the soil samples represent the site, how accurately the soil samples are analyzed, and the inherent differences in soil samples, all of which are subject to variation. This variation introduces uncertainty into the decision concerning the attainment of the cleanup standard. Given the uncertainty associated with the decision process, procedures that error in favor of the environment or human health will be used. That is, if an incorrect decision is made, it is better environmentally to decide that PRS 407 is dirty when it is not (Type II error, or beta) rather than decide that PRS 407 is clean when in fact it is dirty (Type I error, or alpha). For the purpose of this verification sampling report, an alpha = 0.05 and beta = 0.20 were selected. These values reflect acceptance of errors that could adversely impact human health and the environment five percent of the time, and that could involve cleaning up a "non-problem" 20 percent of the time.

With these alpha and beta values and estimated values of mean, standard deviation, and variance obtained from the field screening data, EPA guidance[6] was used to determine the number of samples required to verify that the cleanup standards have been met.

2.2 SAMPLE LOCATION AND LAYOUT

The sample area for verification sampling was the geographic area defined by a modified systematic random sampling strategy as presented in the VSAP. Any point within the boundary of the removal area was a potential sample location, and samples were collected from surface soil 0 to 0.5 feet below ground surface. The number of verification samples and the procedure for locating the sample points are discussed below.

Verification sampling and analysis was carried out to decide whether concentrations in the residual area meet the cleanup standards. Upon completion of removal based on field screening results, verification sampling and analysis was completed. An upper one-sided 95 percent confidence interval (95% UCL) was calculated for the radionuclides of concern (Th-228, Th-230, Th-232, and Pu-238) and chemicals constituents of concern including semi-volatile organic compounds, TAL inorganics, cyanide, and common anions with verification sample data. A confidence interval is a method to determine how close the sample mean approximates the true mean of the population. A 95 percent confidence interval determined from sample data will approximate the true mean 95 percent of the time. The 95% UCL for each parameter was then compared to cleanup standards.

Determination of the sample size required for verification was based on the following hypothesis testing structure. The null hypothesis (H_0) is that the site is contaminated at levels exceeding the cleanup standard; that is, the mean concentration (μ) is greater than the cleanup standard (C_s). The null hypothesis was assumed true unless sufficient evidence exists to show that it is false. The alternative hypothesis (H_1) is typically formulated as that which is intended to be proven. In this case, the goal is to prove that the remaining contamination is below the cleanup standard; that is, the mean concentration (μ) is equal to some value (μ_1) less than C_s.

The necessary calculations for determining the sample size was presented in the VSAP. Ninety-two samples were required to meet the verification objectives . The VSAP provided a procedure for locating

the forty-six sample points according to a random sampling strategy and thirty-six systematic sample locations along the PRS 407 southern boundary. Ten systematic sampling locations were chosen to confirm remediation of PRS 281. An actual realization of the sample locating strategy was presented in the VSAP. This realization was used to locate the ninety-two sample locations. The realization was accomplished using the ER Program GIS (Figure 2.1) and translated to the field by locating all of the sampling locations using ER Program GPS.

2.3 SAMPLE TYPES, METHODOLOGY, AND DESIGNATION

All samples obtained during the verification sampling program were from the surface soils. No groundwater or surface water samples were collected for the verification sampling. Surface soil samples were collected according to the Mound Method Compendium, Method S-002, Soil Sampling with a spade and scoop. Other methods directly associated with S-002 were listed in the VSAP.

All samples were logged as per ER Method Compendium Method S-003, Soil and Rock Borehole logging and Sampling. Samples were prepared and shipped per the ER Method Compendium, Method S-029.

Soil and quality control (QC) samples were identified and labeled according to procedures in ER Program SOP 3.1, Sample Control and Documentation, Quality Assurance Project Plan, Final 1995 (QAPP). Sample identification labels were used for each sample container. Samples were sealed in containers immediately after collection. Labels were completed prior to collection to minimize the handling of the sample containers. Each label included the following information; sample identification, time and date of collection, parameters to be analyzed, samplers initials.

Collected samples were uniquely identified according to the system PRS 407-W-XX-YY-ZZZZZ, where:

W = QC sample
- 0 = no QC sample
- 1 = field duplicate
- 2 = equipment rinsate
- 3 = matrix spike
- 4 = matrix spike/laboratory duplicate

XX = the horizontal grid locator (i.e., A1)

YY = the depth in feet (i.e., 00, 04, 08, etc.)

ZZZZZZ = a unique, sequential six digit sampler identifier (i.e., 000001, 000002 etc.) to be used on the laboratory chain of custody.

2.4 SAMPLE COLLECTION RESULTS

The sample collection was conducted on May 25 through June 1, 1999. A total of 114 samples (including QA/QC samples) were collected. Quality control samples collected consisted of nine field duplicates and nine rinsates of the spade or scoop sampler. Four matrix spike and matrix spike duplicates were also collected. Resampling was conducted on September 8, 9 and 13, 1999 after further removal was conducted around I19 which had plutonium-238, thorium-228 and 232 concentration greater than 3 times the cleanup guideline. Resampling was conducted on November 15, 1999 after additional removal at J8 was required due to a thorium-232 concentration greater than 3 times the cleanup guideline.

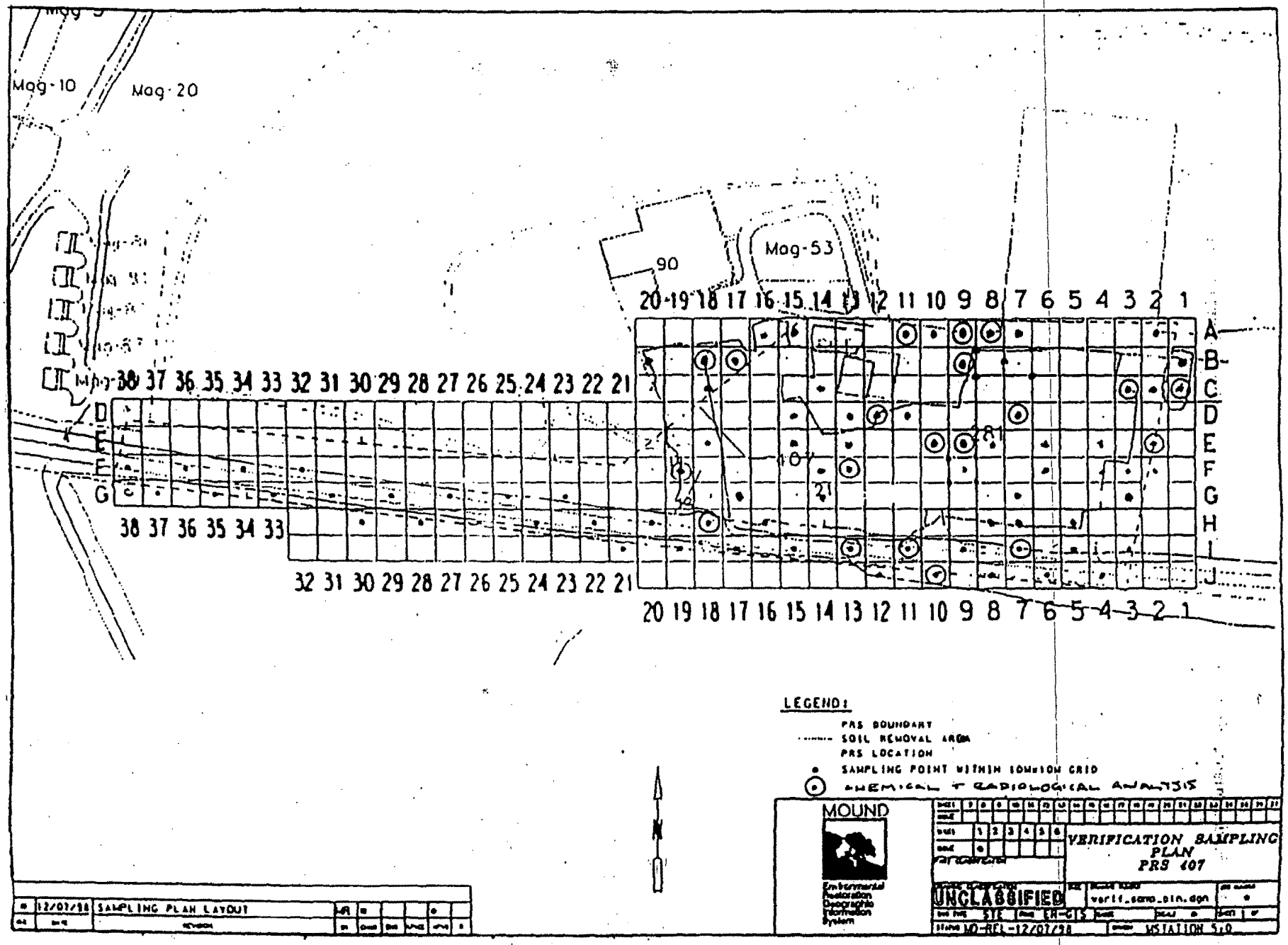


Figure 2.1 Sampling locations for PRS-407 verification sampling.

The Ohio Environmental Protection Agency representative, Anthony Campbell, collected split samples at nineteen locations on May 26, 1999. Splits were collected at the following locations; C02181, D11251, H05671, D15281, G17571, F32481, G29611, H26751, G23581, I21871, I19861, B89211, B78111, F09431, EF9441, G14561, F14461, F13451, G38661.

2.5 FIELD MEASUREMENTS

This verification sampling was conducted under a General RWP . The work was monitored by a full-time radiological control technician using a FIDLER, alpha scintillometer and Geiger-Muller pancake probe. Soil cuttings, samples and equipment and personnel were all monitored by the radiological control technician. No action levels were reached during field sample collection.

3.0 LABORATORY ANALYSES, VALIDATION AND RESULTS

3.1 LABORATORY ANALYSIS

A portion of all samples were submitted to the Mound Soil Screening lab for analysis by gamma spectrometry for screening prior to shipment. All screening results were below DOT regulations and samples were shipped to the off-site laboratory, Quanterra, in three shipments; May 27 and 28 and June 2, 1999.

All soil samples were sent to the Mound approved laboratory Quanterra Environmental Services , St. Louis, Missouri for radionuclide and chemical analysis. As per the VSAP the samples were analyzed by the following methods;

Isotopic Plutonium-238, 239/240, ER Compendium Method A-012, Alpha Spectrometry Analysis
Isotopic Thorium-228, 230, 232, ER Compendium Method A-012, Alpha Spectrometry Analysis
Radium-226, Gas Proportional Counting
Semi-Volatiles, ER Compendium Method A-003, CLP Semi-Volatile Analysis/CLP SOW OLM01.8
Pesticides/PCBs, ER Compendium Method A-004, CLP SOW OLM01.8
CLP Metals, ER Compendium Method A–005, CLP Metals/ILM03.0
Mercury, ER Compendium Method A-005, SW846 7470 Cold Vapor Atomic Absorption
Cyanide, ER Compendium Method, A-006 CLPSOW ILM03.0
Sulfate, ER Compendium Method A-007 General Chemistry, E375.2
Nitrate-Nitrite, ER Compendium Method A-007, General Chemistry, E353.2
Chloride, ER Compendium Method A-007, General Chemistry, E325.2
Fluoride, ER Compendium Method A-007, General Chemistry, E 325.2

Total Petroleum Hydrocarbon samples were sent to Test America of Dayton, Ohio and analyzed by ER Method Compendium Method A-023, Method 418.1.

Laboratory analysis completed for the September 1999 resampling at I19 only included isotopic plutonium and thorium. Laboratory analysis completed for the November 1999 resampling at J8 only included isotopic thorium. The analysis was completed by Quanterra Environmental Services, St. Louis, Missouri.

3.2 DATA VALIDATION

Data validation was required on a minimum of 10 percent of all radionuclide and chemical analyses. Data validation is conducted on entire data packages in which there were three prepared for this project by Quanterra. Terran Corporation completed data validation of chemical results from batch number 21440 which consisted of approximately 30 percent of the data. Terran's data validation for semi-volatiles, PCBs, metals and anions followed ER Method Compendium methods DV-003,004, 005,007 is included in Appendix B. No additional qualifiers were required.

Data validation of the radionuclides results from Quanterra was performed by TechLaw of Lakewood, Colorado. TechLaw's data validation report is included in Appendix D. Data validation of the data packages was completed using ER Compendium Methods (DV-012,015, 017). The validation required no additional qualifiers to be assigned. The data validation report is provided in Appendix C.

The complete data packages for all analysis are provided with the complete project specific MEIMS database.

3.3 RESULTS

Radionuclides

101 soil samples were collected and analyzed for plutonium-238, plutonium-239, thorium-228, thorium-230, and thorium-232. A summary table of the analytical results and the statistical results compared to cleanup guidelines is provided in Table III.1. The statistical analysis for radionuclide results was completed on a log transformed data set. The radionuclide results were tested for normality before completing the statistical analysis and required log transform to approximate a normal distribution. A compilation of all the radionuclides results and statistical results is provided in Appendix D.

The plutonium-238 results ranged from -0.01 to 51.90 pCi/g with minimum activity detection range of 0.03 to 0.13 pCi/g well below the required detection limit. Eighty percent of the results were above the minimum detectable activity with 20 percent of the values as estimated, below the minimum detectable activity. The 95% UCL for the plutonium-238 is 0.55 pCi/g, well below the cleanup guideline. The maximum concentration of 228 pCi/g was however more than three times the cleanup objective and will require more soil removal at grid location I19. After further removal at I19, four samples were collected at IJ19/18, I19, HI19/20, IJ19/20 with results of 1.81, 12.7, 42.8, 18.0 pCi/g respectively.

Results for Thorium-228 ranged from 0.07 to 8.32 pCi/g with a minimum detectable activity of 0.02 to 0.19 pCi/g. Two detection limits were greater than required by 0.01 and 0.02 pCi/g. Only one sample was estimated below the minimum detectable activity. The 95% UCL is 1.04 pCi/g for Thorium-228 and below the cleanup guideline of 3.1 pCi/g. One sample collected at grid location I19 had a activity of 15.60 which is greater than three times the cleanup guideline. After further removal at I19, four samples were collected at IJ19/18, I19, HI19/20, IJ19/20 with results of 1.16, 1.76, 4.88, 1.77 pCi/g.

Thorium-230 had a range of 0.10 to 2.22 pCi/g and minimum detectable activity range of 0.01 to 0.52 pCi/g. Only one sample had a minimum detectable activity greater than the required 0.13 pCi/g. All Thorium-230 results were greater than the minimum detectable activity. The 95% UCL is 0.99 pCi/g, again below the cleanup guideline of 3.2 pCi/g. No result was greater than three times the cleanup guideline of 3.2 pCi/g. After further removal at I19, four samples were collected at IJ19/18, I19, HI19/20, IJ19/20 with results of 1.51, 1.12, 1.32, 1.33 pCi/g.

The analytical results for Thorium-232 had a range of 0.05 to 5.50 pCi/g with a minimum detectable activity range of 0.01 to 0.52 pCi/g. The sample from grid location H5 had a minimum detectable activity that was greater than the required 0.1 pCi/g. The result was 0.82 pCi/g. There was no adverse affect due to the elevated detection limit. All results for Thorium-232 were greater than the minimum detectable activity. The 95% UCL is 1.01 pCi/g and below the cleanup guideline of 2.4 pCi/g. A sample from grid location I19 had an activity greater than three times the cleanup guideline of 2.4 pCi/g. The result at grid location I19 was 16.10 pCi/g. After further removal at I19, four samples were collected at IJ19/18, I19, HI19/20, IJ19/20 with results of 1.14, 1.98, 5.50, 1.72 pCi/g. The thorium-232 result at J8 was 8.37 pCi/g which was greater than 3 times the cleanup guideline. Further removal was completed and five additional verification samples collected at IJ 7/8, J7/8, J8/9, IJ8/9 and J8 with results of 2.8, 1.29, 1.72, 3.82, and 1.43 pCi/g respectively.

Radium-226 analysis was conducted on five samples from PRS-281. The range of results was 1.67 to 2.68 pCi/g and the minimum detection activity range was 0.147 to 0.415 pCi/g. Four of the five samples had minimum detectable activity greater than the required detection limits. All results were much greater than the actual minimum detectable activity so no adverse affect was caused by the higher minimum detectable activity. There were less than 20 samples which are required for calculating the 95% UCL for risk assessment purposes. Therefore, the maximum activity of 2.68

pCi/g is then compared to the cleanup-guideline of 3.4 pCi/g, which it is below.

Semi-Volatiles and PCBs

All the semi-volatile analysis completed on 20 samples had no concentrations greater than the method detection limits. As the data validation report shows, all analysis was completed as required. The detection limits were well below any of the risk based guidelines values. A table of the semi-volatile parameters analyzed and reported results are listed in Table III.2 and Appendix D. With 100 percent of the results below the detection limit, statistical analysis are not valid.

PCB analysis required for PRS-281 evaluation were completed and all results were below the method detection limit. The results are listed in Appendix D.

Inorganics (Metals)

Twenty soil samples were analyzed for 28 inorganic metals including lead and cyanide. Where applicable, all results were compared to construction worker and site employee guidelines values. None of the results exceed the guideline values and most all results are within a standard deviation of the OU-9 Background Soil 95% UCL. The result summary is tabulated in Table III.3 and detailed listing is included in Appendix D. It is noted that the lead results were below guideline values and within natural background concentrations.

Inorganics (Anions)

Common anions including chloride, fluoride, nitrate-nitrite and sulfate were analyzed at 20 sampling locations. All results were within natural background concentrations and there are no guideline values listed for these parameters. A compilation of the anion data is listed in Table III.3 and can be found in Appendix D.

Total Petroleum Hydrocarbons

Confirmation sampling for PRS-281 included analysis for TPH by method 418.1. This analysis was completed and all five samples were below the BUSTR guideline of 904 ppm. Five soil samples were collected in the area of B7 and B8 and the results were all below BUSTR guideline of 904 ppm, therefore removal of the oil contamination is complete.

Table III.1 Comparison of Radionuclide Results for PRS-407 and Cleanup guidelines

Parameter	Units	Min. Conc.	Max. Conc.	Mean	95%UCL	Risk Based +Bkgrd Cs
Plutonium-238	PCI/G	-0.01	51.90	3.54	5.05	55.1
Plutonium-238 Log Transformed	PCI/G	-2.52	1.72	-0.43	-0.26/0.55	
Plutonium-239	PCI/G	0.00	1.27	0.08	0.12	
Plutonium-239 Log Transformed	PCI/G	-2.70	0.10	-1.55	-1.44/0.04	
Radium-226	PCI/G	1.67	2.68	2.25	2.54	3.4
Radium-226 Log Transformed	PCI/G	0.22	0.43	0.35	0.41	
Thorium-228	PCI/G	0.07	8.32	1.20	1.39	3.1
Thorium-228 Log Transformed	PCI/G	-1.16	0.92	-0.04	0.02/1.04	
Thorium-230	PCI/G	0.10	2.22	1.02	1.09	3.2
Thorium-230 Log Transformed	PCI/G	-1.00	0.35	-0.04	0.00/0.99	
Thorium-232	PCI/G	0.05	5.50	1.16	1.37	2.4
Thorium-232 Log Transformed	PCI/G	-1.35	0.74	-0.05	0.01/1.01	

Table III.2 Comparison of semi-volatile and PCB results for PRS-407 and cleanup guidelines

Semi-Volatiles	Units	Min. Conc.	Max. Conc.	Mean	95%UCL*	Guideline Value Construction Worker	Guideline Value Site Employee	
Pyrene	MG/KG	0.05	0.44	0.28	0.33	6400	61000	**
Phenol	MG/KG	0.34	0.44	0.38	0.39	130000	1200000	**
Phenanthrene	MG/KG	0.05	0.44	0.31	0.36			**
Pentachlorophenol	MG/KG	0.34	1.10	0.91	0.97	25.00	48.00	**
N-Nitrosodiphenylamine	MG/KG	0.34	0.44	0.38	0.39	600.00	1200	**
N-Nitroso-di-n-propylamine	MG/KG	0.34	0.44	0.38	0.39			**
Nitrobenzene	MG/KG	0.34	0.44	0.38	0.39			**
Naphthalene	MG/KG	0.34	0.44	0.38	0.39			**
Isophorone	MG/KG	0.34	0.44	0.38	0.39			**
Indeno(1,2,3-cd)pyrene	MG/KG	0.07	0.44	0.35	0.38	4.10	7.80	**
Hexachloroethane	MG/KG	0.34	0.44	0.38	0.39			**
Hexachlorocyclopentadiene	MG/KG	0.34	0.44	0.38	0.39			**
Hexachlorobutadiene	MG/KG	0.34	0.44	0.38	0.39			**
Hexachlorobenzene	MG/KG	0.34	0.44	0.38	0.39			**
Fluorene	MG/KG	0.34	0.44	0.38	0.39			**
Fluoranthene	MG/KG	0.04	0.44	0.28	0.34	8500	82000	**
Di-n-octyl Phthalate	MG/KG	0.34	0.44	0.38	0.39	4300	41000	**
Di-n-butyl Phthalate	MG/KG	0.04	0.44	0.28	0.34	21000	200000	**
Dimethyl Phthalate	MG/KG	0.34	0.44	0.38	0.39			**
Diethyl Phthalate	MG/KG	0.06	0.44	0.35	0.38			**
Dibenzofuran	MG/KG	0.34	0.44	0.38	0.39			**
Dibenz(a,h)anthracene	MG/KG	0.34	0.44	0.38	0.39	0.41	0.78	**
Chrysene	MG/KG	0.04	0.44	0.32	0.36	410	780	**
Carbazole	MG/KG	0.34	0.44	0.38	0.39			**
Butyl Benzyl Phthalate	MG/KG	0.02	0.44	0.31	0.37			**
Bis(2-ethylhexyl)phthalate	MG/KG	0.08	0.28	0.16	0.18	215	410	**
Bis(2-chloroethyl)ether	MG/KG	0.34	0.44	0.38	0.39			**
Bis(2-chloroethoxy)methane	MG/KG	0.34	0.44	0.38	0.39			**
Benzyl Alcohol	MG/KG	0.34	0.44	0.38	0.39			**
Benzoic Acid	MG/KG	1.70	2.20	1.87	1.92	850000	8200000	**
Benzo(k)fluoranthene	MG/KG	0.09	0.44	0.35	0.38	41.00	78.	**
Benzo(g,h,i)perylene	MG/KG	0.09	0.44	0.36	0.39			**

Table III.2 Comparison of semi-volatile and PCB results for PRS-407 and cleanup guidelines

Semi-Volatiles	Units	Min. Conc.	Max. Conc.	Mean	95%UCL*	Guideline Value Construction Worker	Guideline Value Site Employee	
Benzo(b)fluoranthene	MG/KG	0.04	0.44	0.33	0.38	4.10	7.80	**
Benzo(a)pyrene	MG/KG	0.09	0.44	0.35	0.38	0.41	0.78	**
Benzo(a)anthracene	MG/KG	0.05	0.44	0.33	0.37	4.10	7.80	**
Anthracene	MG/KG	0.34	0.44	0.38	0.39	64000	610000	**
Acenaphthylene	MG/KG	0.34	0.44	0.38	0.39	21000	200000	**
Acenaphthene	MG/KG	0.34	0.44	0.38	0.39			**
4-Nitrophenol	MG/KG	0.84	1.10	0.94	0.96			**
4-Nitroaniline	MG/KG	0.84	1.10	0.94	0.96			**
4-Methylphenol	MG/KG	0.34	0.44	0.38	0.39			**
4-Chlorophenyl-phenylether	MG/KG	0.34	0.44	0.38	0.39			**
4-Chloroaniline	MG/KG	0.34	0.44	0.38	0.39			**
4-Chloro-3-methylphenol	MG/KG	0.34	0.44	0.38	0.39			**
4-Bromophenyl-phenyl Ether	MG/KG	0.34	0.44	0.38	0.39			**
4,6-Dinitro-o-Cresol	MG/KG	0.36	1.10	0.91	0.97			**
3-Nitroaniline	MG/KG	0.84	1.10	0.94	0.96			**
3,3'-Dichlorobenzidine	MG/KG	0.34	0.44	0.38	0.39			**
2-Nitrophenol	MG/KG	0.34	0.44	0.38	0.39			**
2-Nitroaniline	MG/KG	0.84	1.10	0.94	0.96			**
2-Methylphenol	MG/KG	0.34	0.44	0.38	0.39			**
2-Methylnaphthalene	MG/KG	0.34	0.44	0.38	0.39			**
2-Chlorophenol	MG/KG	0.34	0.44	0.38	0.39			**
2-Chloronaphthalene	MG/KG	0.34	0.44	0.38	0.39			**
2,4-Dinitrotoluene	MG/KG	0.34	0.44	0.38	0.39			**
2,4-Dinitrotoluene	MG/KG	0.34	0.44	0.38	0.39			**
2,4-Dinitrophenol	MG/KG	0.84	1.10	0.94	0.96			**
2,4-Dimethylphenol	MG/KG	0.34	0.44	0.38	0.39			**
2,4-Dichlorophenol	MG/KG	0.34	0.44	0.38	0.39			**
2,4,6-Trichlorophenol	MG/KG	0.34	0.44	0.38	0.39			**
2,4,5-Trichlorophenol	MG/KG	0.84	1.10	0.94	0.96			**
2,2'-oxybis(1-chloropropane)	MG/KG	0.34	0.44	0.38	0.39			**
1,4-Dichlorobenzene	MG/KG	0.34	0.44	0.38	0.39			**
1,3-Dichlorobenzene	MG/KG	0.34	0.44	0.38	0.39			**
1,2-Dichlorobenzene	MG/KG	0.34	0.44	0.38	0.39			**
1,2,4-Trichlorobenzene	MG/KG	0.34	0.44	0.38	0.39			**
PCBs								
Aroclor-1016	MG/KG	0.04	0.04					**
Aroclor-1221	MG/KG	0.04	0.04					**
Aroclor-1232	MG/KG	0.04	0.04					**
Aroclor-1242	MG/KG	0.04	0.04					**
Aroclor-1248	MG/KG	0.04	0.04			0.385	0.74	**
Aroclor-1254	MG/KG	0.04	0.04			4.30	41	**
Aroclor-1260	MG/KG	0.04	0.04			0.385	0.74	**

* - Calculation of the 95% UCL using equations provided in the VSAP is not appropriate for data with 100 percent non-detects

** - 100 Percent Non-Detected of Estimated Values Below Detection Limit

Table III.3 Inorganics (Metals an Anions) Summary and Comparison to Cleanup Levels.

Inorganics	Units	Min. Conc.	Max. Conc.	Mean	95%UCL	Guideline Value Constr. Worker	Guideline Value Site Employee	OU-9 Soil Backgrd
Aluminum	MG/KG	525.00	17200.00	8733.70	10861.39			19000
Antimony	MG/KG	0.63	37.00	6.73	9.76	85.0	820	
Arsenic	MG/KG	1.20	19.50	7.29	9.31			8.6
Barium	MG/KG	4.40	155.00	60.49	76.61	15000	140000	180
Beryllium	MG/KG	0.14	1.60	0.77	0.91	0.70	1.30	1.3
Bismuth	MG/KG	14.70	111.00	45.12	54.81			
Cadmium	MG/KG	0.04	4.00	0.71	1.04	210	2000	2.1
Calcium	MG/KG	4710.00	312000.00	129729.50	164639.43			310000
Chromium	MG/KG	2.30	23.10	11.80	14.25	1100	10000	20
Cobalt	MG/KG	0.79	14.20	6.79	8.27			19
Copper	MG/KG	0.83	27.40	12.28	15.14			26
Cyanide	MG/KG	0.06	0.49	0.11	0.15	4300	41000	
Iron	MG/KG	1750.00	37000.00	17710.00	21721.31			35000
Lead	MG/KG	1.00	48.50	13.15	17.04			48
Lithium	MG/KG	2.60	24.00	11.86	13.89			26
Magnesium	MG/KG	3440.00	116000.00	35611.50	46798.84			40000
Manganese	MG/KG	115.00	1100.00	503.95	596.54	27000	150000	1400
Mercury	MG/KG	0.05	0.08	0.06	0.06	64.0	610	
Molybdenum	MG/KG	0.38	5.30	2.11	2.62			27
Nickel	MG/KG	1.80	52.00	15.79	20.85	4300	41000	32
Potassium	MG/KG	360.00	2040.00	1301.40	1492.13			1900
Selenium	MG/KG	0.49	0.99	0.61	0.66			
Silver	MG/KG	0.19	6.00	1.13	1.61	1100	10000	1.7
Sodium	MG/KG	121.00	2660.00	723.55	1000.12			240
Thallium	MG/KG	0.57	3.50	1.18	1.48			0.46
Tin	MG/KG	1.10	25.30	5.06	7.01			20
Vanadium	MG/KG	4.80	34.60	20.86	24.23	1500	14000	25
Zinc	MG/KG	5.50	96.70	51.05	61.25	64000	610000	140
Common Anions								
Chloride	MG/KG	0.88	1300	149.4	263.43			
Fluoride	MG/KG	0.69	10.9	2.45	3.33			
Nitrite	MG/KG	0.2	5.81	1.17	1.76			
Nitrate	MG/KG	0.35	2.79	1.02	1.39			
Sulfate	MG/KG	6.35	96.5	39.97	51.25			BUSTR
Total Petroleum Hydrocarbons	MG/KG	<10	192					904

4.0 CONCLUSIONS

The objective of the verification sampling is to provide high-quality data that confirms the removal action was successful. This was accomplished through sampling and analysis that is comparable in quality to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Remedial Investigations using regulatory agency approved procedures. For the removal action to be complete the verification sampling must meet the established cleanup goals as stated in the Verification Sampling and Analysis Plan.

Attainment of the established cleanup goals was fulfilled for the upper one-sided 95% confidence interval for all constituents with 20 or more samples. For constituents with less than 20 samples (PRS-281 evaluation), the maximum value was used for comparison to cleanup goals. Radionuclides at I19 had plutonium-238, thorium-228 and thorium-232 activity which was more than 3 times the cleanup goal. Location J8 had thorium-232 activity that was greater than 3 times the cleanup guideline. All other results were within acceptable ranges. BWO revisited I19 and J8 for soil removal that exceeded 3 times the cleanup guidelines. The results of the verification samples collected after additional removal at I19 and J8 were below cleanup guidelines except for thorium-232 at IJ8/9 which was 3.82 pCi/g versus cleanup guideline of 2.4 pCi/g. The 95% UCL for thorium-232 was 1.01 pCi/g and below the cleanup guideline.

An additional objective of the verification sampling was to determine whether other chemical contaminants associated with Mound Plant activities were present within PRS-407. Based on the data collected for semi-volatile, TAL metals, and common anions constituents throughout PRS-407, there is no evidence that there is the presence of such contaminants. In addition, there is total remediation of oil contamination present within PRS-281. Based on the approved methodology, analytical results and data evaluation the PRS 407 removal action is complete.

5.0 REFERENCES

1) DOE, Risk-Based Guideline Values, March 1997.

2) Environmental Restoration Program, Mound 2000, Residual Risk Evaluation Methodology Mound Plant, January 1997.

3) DOE 1999. Verification Sampling and Analysis Plan, PRS-407, Parcel E, Final (Revision 0), April 1999.

4) DOE 1993a. Remedial Investigation/Feasibility Study Operable Unit 9, Site-Wide Quality Assurance Project Plan, Revision 3. U.S. Department of Energy, Albuquerque Field Office, June 1993.

5) DOE, Methods Compendium, 1997.

6) USEPA, Superfund Guidance for Evaluating the Attainment of Clean-up Standard, Volume I: Soil and Solid Media, revised December 1996.

APPENDIX C

Ohio EPA Split Sampling Results/May 1999

Compared To

Final Sampling Information (Mound/B&W)/ September 1999

PRS407
OHIO EPA

PRS407
MOUND/B&W

	GRID	COLLECT DATE	MX	OEPA SAMPLE ID	VALIDATION STATUS	VAL QA	COC #	ANALYTE NAME	RESULT	MDA	ERR	RDL	UNITS								Log Results	Result or 1/2 MDA	Media desc
1	C2	05/25/99	SL	990525-01	U235 & Am = J	J	AC001	Americium 241	0.022	0.033	0.021	0.1	pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Potassium 40 Gamma	3.1	1.4	1.6		pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Radium 226 Gamma	0.18	0.24	0.17	0.1	pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Radium 228 Gamma	0.015	0.6	0.37		pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Uranium 238	0.006	1.5	0.89		pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Actinium 227 Gamma		2.6			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Americium 241 Gamma		0.081			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Bismuth 207 Gamma		0.06			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Bismuth 210M Gamma		0.15			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Cobalt 60 Gamma		0.062		0.25	pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Cesium 134 Gamma		0.063			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Cesium 137 Gamma		0.077			pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Plutonium 239/240	-0.003	0.025	0.018	0.1	pCi/g	C2	C02181	Plutonium-239	0.00	PCI/G	J	0.024	-2.52	0.01	Soil
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Plutonium 238	0.027	0.036	0.05	0.1	pCi/g	C2	C02181	Plutonium-238	0.06	PCI/G		0.039	-1.21	0.06	Soil
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Thorium 232	0.1	0.008	0.025	0.1	pCi/g	C2	C02181	Thorium-232	0.05	PCI/G		0.033	-1.35	0.05	Soil
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Thorium 230	0.13	0.016	0.031	0.1	pCi/g	C2	C02181	Thorium-230	0.20	PCI/G		0.041	-0.70	0.20	Soil
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Thorium 228	0.11	0.033	0.031	0.1	pCi/g	C2	C02181	Thorium-228	0.07	PCI/G	J	0.074	-1.16	0.04	Soil
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Uranium 238	0	120	0	0.1	pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	J	AC001	Uranium 235	0	120	0	0.1	pCi/g										
1	C2	05/25/99	SL	990525-01	U235 & Am = J	V	AC001	Uranium 233/234	0	120	0	0.1	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	J	AC001	Americium 241	0.02	0.024	0.017	0.1	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Cesium 137 Gamma	0.18	0.2	0.14		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Potassium 40 Gamma	11	2.4	3.1		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Lead 212 Gamma	0.53	0.51	0.33		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Lead 214 Gamma	1.2	0.35	0.3		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Radium 226 Gamma	0.99	0.48	0.38	0.1	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Radium 228 Gamma	0.94	1	0.74		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Uranium 238	3.5	3.8	2.4		pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Actinium 227 Gamma		4.2			pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Americium 241 Gamma		0.14			pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Bismuth 207 Gamma		0.099			pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Bismuth 210M Gamma		0.28			pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Cobalt 60 Gamma		0.12		0.25	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Cesium 134 Gamma		0.11			pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Plutonium 239/240	0.009	0.005	0.008	0.1	pCi/g	D11	D11251	Plutonium-239	0.01	PCI/G	J	0.031	-1.85	0.02	Soil
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Plutonium 238	0.031	0.013	0.016	0.1	pCi/g	D11	D11251	Plutonium-238	0.13	PCI/G		0.046	-0.89	0.13	Soil
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Thorium 232	0.5	0.043	0.13	0.1	pCi/g	D11	D11251	Thorium-232	0.54	PCI/G		0.051	-0.27	0.54	Soil
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Thorium 230	0.94	0.043	0.22	0.1	pCi/g	D11	D11251	Thorium-230	1.08	PCI/G		0.059	0.03	1.08	Soil
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Thorium 228	0.54	0.088	0.14	0.1	pCi/g	D11	D11251	Thorium-228	0.71	PCI/G		0.11	-0.15	0.71	Soil
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Uranium 238	0.73	0.019	0.1	0.1	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	J	AC001	Uranium 235	0.065	0.005	0.022	0.1	pCi/g										
2	D11	05/25/99	SL	990525-02	U235 & Am = J	V	AC001	Uranium 233/234	0.63	0.027	0.061	0.1	pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	J	AC001	Americium 241	0.014	0.022	0.014	0.1	pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Lead 212 Gamma	1.4	0.41	0.33		pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Lead 214 Gamma	1	0.53	0.4		pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Radium 226 Gamma	0.64	0.78	0.53	0.1	pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Radium 228 Gamma	1.1	1.7	1.2		pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Thorium 228 Gamma	1.3	0.98	0.72		pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Thallium 208 Gamma	1.2	0.91	0.66		pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Actinium 227 Gamma		5.5			pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Americium 241 Gamma		0.2			pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Bismuth 207 Gamma		0.13			pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Bismuth 210M Gamma		0.34			pCi/g										

3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Cobalt 60 Gamma		0.17		0.25	pCi/g												
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Cesium 134 Gamma		0.15			pCi/g												
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Cesium 137 Gamma		0.18			pCi/g												
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Potassium 40 Gamma		5.9			pCi/g												
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Uranium 238		2			pCi/g												
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Plutonium 239/240	0.004	0.004	0.005	0.1	pCi/g	H05	H05671	Plutonium-239	0.01	PCI/G	J	0.007	-2.30	0.00	Soil
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Plutonium 238	0.074	0.017	0.023	0.1	pCi/g	H05	H05671	Plutonium-238	0.08	PCI/G		0.049	-1.08	0.08	Soil
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Thorium 232	0.95	0.018	0.17	0.1	pCi/g	H05	H05671	Thorium-232	0.82	PCI/G		0.52	-0.09	0.82	Soil
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Thorium 230	0.73	0.032	0.14	0.1	pCi/g	H05	H05671	Thorium-230	0.94	PCI/G		0.52	-0.03	0.94	Soil
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Thorium 228	0.94	0.077	0.18	0.1	pCi/g	H05	H05671	Thorium-228	1.02	PCI/G		0.1	0.01	1.02	Soil
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Uranium 238	0.78	0.026	0.12	0.1	pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	J	AC001	Uranium 235	0.091	0.03	0.036	0.1	pCi/g										
3	H5	05/25/99	SL	990525-03	U235 & Am = J	V	AC001	Uranium 233/234	0.62	0.036	0.11	0.1	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	J	AC001	Americium 241	0.11	0.014	0.032	0.1	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Potassium 40 Gamma	18	1.8	2.9		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Lead 212 Gamma	0.82	0.39	0.28		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Lead 214 Gamma	0.64	0.3	0.22		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Radium 226 Gamma	0.58	0.33	0.25	0.1	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Radium 228 Gamma	0.55	0.76	0.53		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Thorium 228 Gamma	0.86	0.48	0.39		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Thallium 208 Gamma	0.8	0.45	0.36		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Uranium 238	0.75	2.6	1.6		pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Actinium 227 Gamma		3.4			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Americium 241 Gamma		0.13			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Bismuth 207 Gamma		0.08			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Bismuth 210M Gamma		0.2			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Cobalt 60 Gamma		0.095		0.25	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Cesium 134 Gamma		0.079			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Cesium 137 Gamma		0.097			pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Plutonium 239/240	0.061	0.016	0.022	0.1	pCi/g	D15	D15281	Plutonium-239	1.27	PCI/G		0.039	0.10	1.27	Soil
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Plutonium 238	32	0.018	3.4	0.1	pCi/g	D15	D15281	Plutonium-238	20.20	PCI/G		0.065	1.31	20.20	Soil
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Thorium 232	0.66	0.014	0.1	0.1	pCi/g	D15	D15281	Thorium-232	0.89	PCI/G		0.01	-0.05	0.89	Soil
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Thorium 230	0.56	0.01	0.09	0.1	pCi/g	D15	D15281	Thorium-230	0.81	PCI/G		0.041	-0.09	0.81	Soil
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Thorium 228	0.7	0.028	0.11	0.1	pCi/g	D15	D15281	Thorium-228	0.90	PCI/G		0.075	-0.05	0.90	Soil
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Uranium 238	0.62	0.014	0.08	0.1	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	J	AC001	Uranium 235	0.054	0.023	0.023	0.1	pCi/g										
4	D15	05/25/99	SL	990525-04	U235 & Am = J	V	AC001	Uranium 233/234	0.49	0.03	0.078	0.1	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	J	AC001	Americium 241	0.033	0.004	0.014	0.1	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Actinium 228 Gamma	1.7	1.5	1.1		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Potassium 40 Gamma	21	1.9	3.4		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Lead 212 Gamma	2.6	0.44	0.39		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Lead 214 Gamma	0.82	0.47	0.34		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Radium 226 Gamma	0.7	0.42	0.32	0.1	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Radium 228 Gamma	1.7	1.5	1.1		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thorium 228 Gamma	2.4	0.61	0.55		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thorium 232 Gamma	1.7	1.5	1.1		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thallium 208 Gamma	2.2	0.57	0.51		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Uranium 238	0.039	2.3	1.4		pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Actinium 227 Gamma		4.3			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Americium 241 Gamma		0.16			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Bismuth 207 Gamma		0.11			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Bismuth 210M Gamma		0.27			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Cobalt 60 Gamma		0.14		0.25	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Cesium 134 Gamma		0.11			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Cesium 137 Gamma		0.12			pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Plutonium 239/240	0.034	0.012	0.015	0.1	pCi/g	G17	G17571	Plutonium-239	0.12	PCI/G		0.027	-0.92	0.12	Soil
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Plutonium 238	8.3	0.024	0.85	0.1	pCi/g	G17	G17571	Plutonium-238	8.91	PCI/G		0.027	0.95	8.91	Soil
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thorium 232	1.8	0.037	0.36	0.1	pCi/g	G17	G17571	Thorium-232	1.92	PCI/G		0.043	0.28	1.92	Soil

5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thorium 230	0.67	0.045	0.16	0.1	pCi/g	G17	G17571	Thorium-230	0.86	PCI/G		0.078	-0.07	0.86	Soil
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Thorium 228	1.7	0.062	0.35	0.1	pCi/g	G17	G17571	Thorium-228	1.82	PCI/G		0.07	0.26	1.82	Soil
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Uranium 238	0.71	0.004	0.094	0.1	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	J	AC001	Uranium 235	0.071	0.012	0.023	0.1	pCi/g										
5	G17	05/25/99	SL	990525-05	U235 & Am = J	V	AC001	Uranium 233/234	0.68	0.03	0.093	0.1	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Americium 241	0.019	0.017	0.013	0.1	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Actinium 228 Gamma	1.7	0.75	0.66		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Bismuth 214 Gamma	1.4	0.31	0.3		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Potassium 40 Gamma	18	1.1	2.7		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Lead 212 Gamma	1.2	0.19	0.19		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Lead 214 Gamma	1.6	0.26	0.27		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Radium 226 Gamma	1.3	0.3	0.29	0.1	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Radium 228 Gamma	1.7	0.75	0.66		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Thorium 228 Gamma	0.98	0.47	0.37		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Thorium 232 Gamma	1.7	0.75	0.66		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Thallium 208 Gamma	0.9	0.43	0.34		pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Uranium 238 Gamma	0.7	3	1.9	10	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Actinium 227 Gamma		3			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Americium 241 Gamma		0.21			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Bismuth 207 Gamma		0.064			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Bismuth 210M Gamma		0.2			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Cobalt 60 Gamma		0.12		0.25	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Cesium 134 Gamma		0.089			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Cesium 137 Gamma		0.072			pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Plutonium 239/240	0.041	0.014	0.019	0.1	pCi/g	G38	G38661	Plutonium-239	0.00	PCI/G	J	0.037	-2.52	0.02	Soil
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Plutonium 238	0.27	0.029	0.055	0.1	pCi/g	G38	G38661	Plutonium-238	0.06	PCI/G		0.054	-1.21	0.06	Soil
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Thorium 232	1.2	0.016	0.17	0.1	pCi/g	G38	G38661	Thorium-232	1.38	PCI/G		0.055	0.14	1.38	Soil
6	G38	05/26/99	SL	990526001	Th230 = J	J	AC005	Thorium 230	0.91	0.02	0.14	0.1	pCi/g	G38	G38661	Thorium-230	1.45	PCI/G		0.079	0.16	1.45	Soil
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Thorium 228	1.1	0.036	0.16	0.1	pCi/g	G38	G38661	Thorium-228	1.38	PCI/G		0.059	0.14	1.38	Soil
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Uranium 238	0.86	0.005	0.12	0.1	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Uranium 235	0.07	0.005	0.031	0.1	pCi/g										
6	G38	05/26/99	SL	990526001	Th230 = J	V	AC005	Uranium 233/234	0.75	0.022	0.1	0.1	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Americium 241	0.008	0.015	0.009	0.1	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Cesium 137 Gamma	0.18	0.23	0.16		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Actinium 228 Gamma	1.2	0.58	0.5		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Americium 241 Gamma	0.17	0.18	0.12		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Bismuth 214 Gamma	0.69	0.33	0.27		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Potassium 40 Gamma	25	1.5	3.3		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Lead 212 Gamma	1.1	0.17	0.18		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Lead 214 Gamma	1.1	0.31	0.26		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Radium 226 Gamma	0.67	0.32	0.26	0.1	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Radium 228 Gamma	1.2	0.58	0.5		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Thorium 228 Gamma	0.97	0.42	0.35		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Thorium 232 Gamma	1.2	0.58	0.5		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Thallium 208 Gamma	0.9	0.39	0.32		pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Uranium 238 Gamma	0.97	3.3	2.1	10	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Actinium 227 Gamma		2.7			pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Bismuth 207 Gamma		0.069			pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Bismuth 210M Gamma		0.2			pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Cobalt 60 Gamma		0.12		0.25	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Cesium 134 Gamma		0.083			pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Plutonium 239/240	0.027	0.028	0.023	0.1	pCi/g	F32	F32481	Plutonium-239	0.07	PCI/G		0.024	-1.17	0.07	Soil
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Plutonium 238	0.27	0.082	0.084	0.1	pCi/g	F32	F32481	Plutonium-238	0.17	PCI/G		0.03	-0.77	0.17	Soil
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Thorium 232	4.7	0.018	0.66	0.1	pCi/g	F32	F32481	Thorium-232	1.20	PCI/G		0.026	0.08	1.20	Soil
7	F32	05/26/99	SL	990526002	Th230 = J	J	AC005	Thorium 230	0.7	0.017	0.11	0.1	pCi/g	F32	F32481	Thorium-230	0.98	PCI/G		0.026	-0.01	0.98	Soil
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Thorium 228	4.8	0.043	0.64	0.1	pCi/g	F32	F32481	Thorium-228	1.03	PCI/G		0.052	0.01	1.03	Soil
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Uranium 238	0.82	0.015	0.12	0.1	pCi/g										
7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Uranium 235	0.065	0.022	0.026	0.1	pCi/g										

7	F32	05/26/99	SL	990526002	Th230 = J	V	AC005	Uranium 233/234	0.69	0.022	0.1	0.1	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Americium 241	0.032	0.018	0.017	0.1	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Actinium 228 Gamma	1.7	0.46	0.55		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Bismuth 214 Gamma	0.84	0.43	0.32		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Potassium 40 Gamma	29	1.6	3.6		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Lead 212 Gamma	1.5	0.17	0.2		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Lead 214 Gamma	0.99	0.35	0.29		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Radium 226 Gamma	0.82	0.41	0.31	0.1	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Radium 228 Gamma	1.7	0.46	0.55		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Thorium 228 Gamma	1.3	0.54	0.48		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Thorium 232 Gamma	1.7	0.46	0.55		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Thallium 208 Gamma	1.2	0.5	0.45		pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Actinium 227 Gamma		3.4			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Americium 241 Gamma		0.22			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Bismuth 207 Gamma		0.072			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Bismuth 210M Gamma		0.22			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Cobalt 60 Gamma		0.11		0.25	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Cesium 134 Gamma		0.087			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Cesium 137 Gamma		0.11			pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Uranium 238 Gamma		2.1		10	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Plutonium 239/240	0.013	0.025	0.016	0.1	pCi/g	G29	G29611	Plutonium-239	0.15	PCI/G	0.03	-0.82	0.15	Soil
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Plutonium 238	1.3	0.038	0.19	0.1	pCi/g	G29	G29611	Plutonium-238	2.73	PCI/G	0.052	0.44	2.73	Soil
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Thorium 232	0.95	0.013	0.14	0.1	pCi/g	G29	G29611	Thorium-232	1.24	PCI/G	0.037	0.09	1.24	Soil
8	G29	05/26/99	SL	990526003	Th230 = J	J	AC005	Thorium 230	0.68	0.017	0.11	0.1	pCi/g	G29	G29611	Thorium-230	0.97	PCI/G	0.041	-0.01	0.97	Soil
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Thorium 228	1.1	0.024	0.16	0.1	pCi/g	G29	G29611	Thorium-228	1.25	PCI/G	0.052	0.10	1.25	Soil
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Uranium 238	0.62	0.018	0.099	0.1	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Uranium 235	0.098	0.018	0.032	0.1	pCi/g									
8	G29	05/26/99	SL	990526003	Th230 = J	V	AC005	Uranium 233/234	0.59	0.022	0.084	0.1	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Americium 241	0.014	0.022	0.014	0.1	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Cesium 137 Gamma	0.53	0.14	0.13		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Actinium 228 Gamma	1.5	0.78	0.65		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Potassium 40 Gamma	27	1.1	3.5		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Lead 212 Gamma	1.4	0.19	0.2		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Lead 214 Gamma	0.99	0.29	0.25		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Radium 226 Gamma	0.72	0.33	0.26	0.1	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Radium 228 Gamma	1.5	0.78	0.65		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Thorium 228 Gamma	1.6	0.49	0.46		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Thorium 232 Gamma	1.5	0.78	0.65		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Thallium 208 Gamma	1.5	0.45	0.43		pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Actinium 227 Gamma		3			pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Americium 241 Gamma		0.22			pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Bismuth 207 Gamma		0.083			pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Bismuth 210M Gamma		0.19			pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Cobalt 60 Gamma		0.12		0.25	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Cesium 134 Gamma		0.079			pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Uranium 238 Gamma		2		10	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Plutonium 239/240	0.042	0.012	0.028	0.1	pCi/g	H26	H26751	Plutonium-239	0.06	PCI/G	0.02	-1.20	0.06	Soil
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Plutonium 238	1	0.043	0.19	0.1	pCi/g	H26	H26751	Plutonium-238	0.91	PCI/G	0.046	-0.04	0.91	Soil
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Thorium 232	0.94	0.02	0.17	0.1	pCi/g	H26	H26751	Thorium-232	1.27	PCI/G	0.039	0.10	1.27	Soil
9	H26	05/26/99	SL	990526004	Th230 = J	J	AC005	Thorium 230	0.9	0.029	0.16	0.1	pCi/g	H26	H26751	Thorium-230	1.24	PCI/G	0.055	0.09	1.24	Soil
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Thorium 228	0.97	0.046	0.17	0.1	pCi/g	H26	H26751	Thorium-228	1.20	PCI/G	0.041	0.08	1.20	Soil
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Uranium 238	0.84	0.005	0.12	0.1	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Uranium 235	0.1	0.018	0.031	0.1	pCi/g									
9	H26	05/26/99	SL	990526004	Th230 = J	V	AC005	Uranium 233/234	0.74	0.037	0.11	0.1	pCi/g									
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Americium 241	0.008	0.028	0.016	0.1	pCi/g									
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Cesium 137 Gamma	0.054	0.12	0.0832		pCi/g									
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Actinium 228 Gamma	1.1	0.59	0.53		pCi/g									
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Bismuth 212 Gamma	2.4	1.9	1.6		pCi/g									

10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Potassium 40 Gamma	29	0	3.3		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Lead 212 Gamma	1.3	0.17	0.19		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Lead 214 Gamma	0.85	0.28	0.23		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Radium 226 Gamma	0.75	0.29	0.25	0.1	pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Radium 228 Gamma	1.4	0.59	0.54		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Thorium 228 Gamma	1.1	0.57	0.45		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Thorium 232 Gamma	1.4	0.59	0.84		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Thallium 208 Gamma	0.97	0.53	0.41		pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Uranium 238 Gamma	0.16	3.1	1.9	10	pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Actinium 227 Gamma		3			pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Americium 241 Gamma		0.2			pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Bismuth 207 Gamma		0.077			pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Bismuth 210M Gamma		0.21			pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Cobalt 60 Gamma		0.13		0.25	pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Cesium 134 Gamma		0.073			pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Plutonium 239/240	0.009	0.008	0.01	0.1	pCi/g	G23	G23581	Plutonium-239	0.03	PCI/G		0.026	-1.49	0.03	Soil		
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Plutonium 238	0.42	0.036	0.087	0.1	pCi/g	G23	G23581	Plutonium-238	0.67	PCI/G		0.072	-0.17	0.67	Soil		
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Thorium 232	0.9	0.017	0.14	0.1	pCi/g	G23	G23581	Thorium-232	1.19	PCI/G		0.027	0.08	1.19	Soil		
10	G23	05/26/99	SL	990526005	Th230 = J	J	AC005	Thorium 230	0.79	0.017	0.12	0.1	pCi/g	G23	G23581	Thorium-230	1.08	PCI/G		0.018	0.03	1.08	Soil		
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Thorium 228	1.1	0.036	0.16	0.1	pCi/g	G23	G23581	Thorium-228	1.26	PCI/G		0.032	0.10	1.26	Soil		
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Uranium 238	0.77	0.025	0.11	0.1	pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Uranium 235	0.094	0.021	0.032	0.1	pCi/g												
10	G23	05/26/99	SL	990526005	Th230 = J	V	AC005	Uranium 233/234	0.63	0.037	0.09	0.1	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Americium 241	0.037	0.021	0.019	0.1	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Cesium 137 Gamma	0.28	0.18	0.14		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Actinium 228 Gamma	2.2	0.54	0.58		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Bismuth 212 Gamma	2.9	2.4	1.7		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Bismuth 214 Gamma	0.89	0.26	0.25		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Potassium 40 Gamma	23	1.2	2.9		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Lead 212 Gamma	2.3	0.18	0.24		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Lead 214 Gamma	1.1	0.34	0.28		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Radium 226 Gamma	0.86	0.25	0.24	0.1	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Radium 228 Gamma	2.2	0.54	0.58		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Thorium 228 Gamma	2.3	0.51	0.5		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Thorium 232 Gamma	2.2	0.54	0.58		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Thallium 208 Gamma	2.1	0.47	0.46		pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Uranium 238 Gamma	0.19	3.2	2	10	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Actinium 227 Gamma		3			pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Americium 241 Gamma		0.22			pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Bismuth 207 Gamma		0.074			pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Bismuth 210M Gamma		0.23			pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Cobalt 60 Gamma		0.11		0.25	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Cesium 134 Gamma		0.073			pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Plutonium 239/240	0.087	0.035	0.041	0.1	pCi/g	I21	I21871	Plutonium-239	0.11	PCI/G		0.022	-0.96	0.11	Soil		
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Plutonium 238	11	0.041	1.5	0.1	pCi/g	I21	I21871	Plutonium-238	15.10	PCI/G		0.051	1.18	15.10	Soil		
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Thorium 232	1.8	0.012	0.3	0.1	pCi/g	I21	I21871	Thorium-232	2.27	PCI/G		0.027	0.36	2.27	Soil		
11	I21	05/26/99	SL	990526006	Th230 = J	J	AC005	Thorium 230	0.99	0.019	0.18	0.1	pCi/g	I21	I21871	Thorium-230	1.34	PCI/G		0.028	0.13	1.34	Soil		
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Thorium 228	1.9	0.042	0.32	0.1	pCi/g	I21	I21871	Thorium-228	2.35	PCI/G		0.025	0.37	2.35	Soil		
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Uranium 238	0.89	0.017	0.13	0.1	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Uranium 235	0.11	0.006	0.035	0.1	pCi/g												
11	I21	05/26/99	SL	990526006	Th230 = J	V	AC005	Uranium 233/234	0.71	0.028	0.11	0.1	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Americium 241	0.71	0.012	0.1	0.1	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Cesium 137 Gamma	0.42	0.19	0.14		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Actinium 228 Gamma	16	0.53	1.4		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Bismuth 212 Gamma	17	3.3	3		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Bismuth 214 Gamma	0.97	0.37	0.28		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Potassium 40 Gamma	[illegible]	[illegible]	[illegible]		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Lead 212 Gamma	[illegible]	0.23	[illegible]		pCi/g												

12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Lead 214 Gamma	0.92	0.44	0.3		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Radium 224 Gamma	15	4	3.2		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Radium 226 Gamma	0.65	0.36	0.26	0.1	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Radium 228 Gamma	16	0.53	1.4		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Thorium 228 Gamma	15	0.58	1.2		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Thorium 232 Gamma	16	0.53	1.4		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Thallium 208 Gamma	14	0.54	1.2		pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Uranium 238 Gamma	21	5.4	3.3	10	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Actinium 227 Gamma		4.2			pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Bismuth 207 Gamma		0.095			pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Bismuth 210M Gamma		0.28			pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Cobalt 60 Gamma		0.098		0.25	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Cesium 134 Gamma		0.094			pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Plutonium 239/240	0.9	0.013	0.11	0.1	pCi/g	I19	J12921	Plutonium-239	0.26	PCI/G		0.083	-0.59	0.26	Soil		
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Plutonium 238	200	0.025	20	0.1	pCi/g	I19	J12921	Plutonium-238	0.26	PCI/G		0.13	-0.59	0.26	Soil		
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Thorium 232	4.8	0.013	0.65	0.1	pCi/g	I19	J12921	Thorium-232	1.98	PCI/G		0.076	0.30	1.98	Soil		
12	I19	05/26/99	SL	990526007	Th230 = J	J	AC005	Thorium 230	0.72	0.018	0.11	0.1	pCi/g	I19	J12921	Thorium-230	1.12	PCI/G		0.03	0.05	1.12	Soil		
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Thorium 228	4.6	0.036	0.62	0.1	pCi/g	I19	J12921	Thorium-228	1.76	PCI/G		0.055	0.25	1.76	Soil		
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Uranium 238	0.12	0.028	0.018	0.12	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Uranium 235	0.00	0.008	0.035	0.1	pCi/g												
12	I19	05/26/99	SL	990526007	Th230 = J	V	AC005	Uranium 233/234	0.18	0.034	0.18	0.1	pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Americium 241	0.018	0.022	0.015	0.1	pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Cesium 137 Gamma	0.44	0.31	0.22		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Actinium 228 Gamma	1.8	0.71	0.66		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Lead 212 Gamma	1.9	0.48	0.38		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Lead 214 Gamma	1.2	0.53	0.4		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Radium 226 Gamma	1.2	0.52	0.43		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Radium 228 Gamma	1.8	0.71	0.66		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Thorium 228 Gamma	1.6	0.73	0.6		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Thorium 232 Gamma	1.8	0.71	0.66		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Thallium 208 Gamma	1.5	0.67	0.56		pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Uranium 238 Gamma	1.7	2.8	1.8	10	pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Actinium 227 Gamma		4.8			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Americium 241 Gamma		0.18			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Bismuth 207 Gamma		0.1			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Bismuth 210M Gamma		0.29			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Cobalt 60 Gamma		0.14			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Cesium 134 Gamma		0.11			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Potassium 40 Gamma		5.9			pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Plutonium 239/240	-0.013	0.057	0.026	0.1	pCi/g	BC8/9	B89211	Plutonium-239	0.02	PCI/G	J	0.039	-1.68	0.02	Soil		
13	BC8/9	05/28/99	SL	990528001			AC006	Plutonium 238	0.026	0.071	0.042	0.1	pCi/g	BC8/9	B89211	Plutonium-238	0.12	PCI/G		0.08	-0.92	0.12	Soil		
13	BC8/9	05/28/99	SL	990528001			AC006	Thorium 232	0.81	0.013	0.13	0.1	pCi/g	BC8/9	B89211	Thorium-232	1.05	PCI/G		0.007	0.02	1.05	Soil		
13	BC8/9	05/28/99	SL	990528001			AC006	Thorium 230	1.2	0.02	0.18	0.1	pCi/g	BC8/9	B89211	Thorium-230	1.64	PCI/G		0.022	0.21	1.64	Soil		
13	BC8/9	05/28/99	SL	990528001			AC006	Thorium 228	0.88	0.03	0.14	0.1	pCi/g	BC8/9	B89211	Thorium-228	1.09	PCI/G		0.047	0.04	1.09	Soil		
13	BC8/9	05/28/99	SL	990528001			AC006	Uranium 238	1	0.019	0.14	0.1	pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Uranium 235	0.035	0.019	0.019	0.1	pCi/g												
13	BC8/9	05/28/99	SL	990528001			AC006	Uranium 233/234	0.89	0.025	0.12	0.1	pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Americium 241	0.009	0.018	0.011	0.1	pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Bismuth 214 Gamma	0.65	0.53	0.38		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Potassium 40 Gamma	17	2.5	3.9		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Lead 212 Gamma	0.79	0.48	0.33		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Lead 214 Gamma	0.72	0.47	0.34		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Radium 226 Gamma	0.63	0.51	0.37		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Radium 228 Gamma	0.32	1.2	0.76		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Thorium 228 Gamma	1.2	0.77	0.8		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Thallium 208 Gamma		0.71	0.56		pCi/g												
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 238 Gamma																	
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 235 Gamma																	

1. Note: Split samples were collected by the Ohio EPA during the original verification sampling of PRS 407. The noted Ohio EPA Grid I19 value of 200 pCi/g for Plutonium 238 was a consequence of this sampling event accomplished in May 1999 and reported in August 1999. This compared favorably with values noted by Mound Plant/BWXT of Ohio. Required additional excavation was accomplished in Grid I19. Split samples were not accomplished by the Ohio EPA during this event. This additional excavation, accomplished in September 1999 and reported in December 1999, yielded the noted value of .26 pCi/g for the subject constituent.

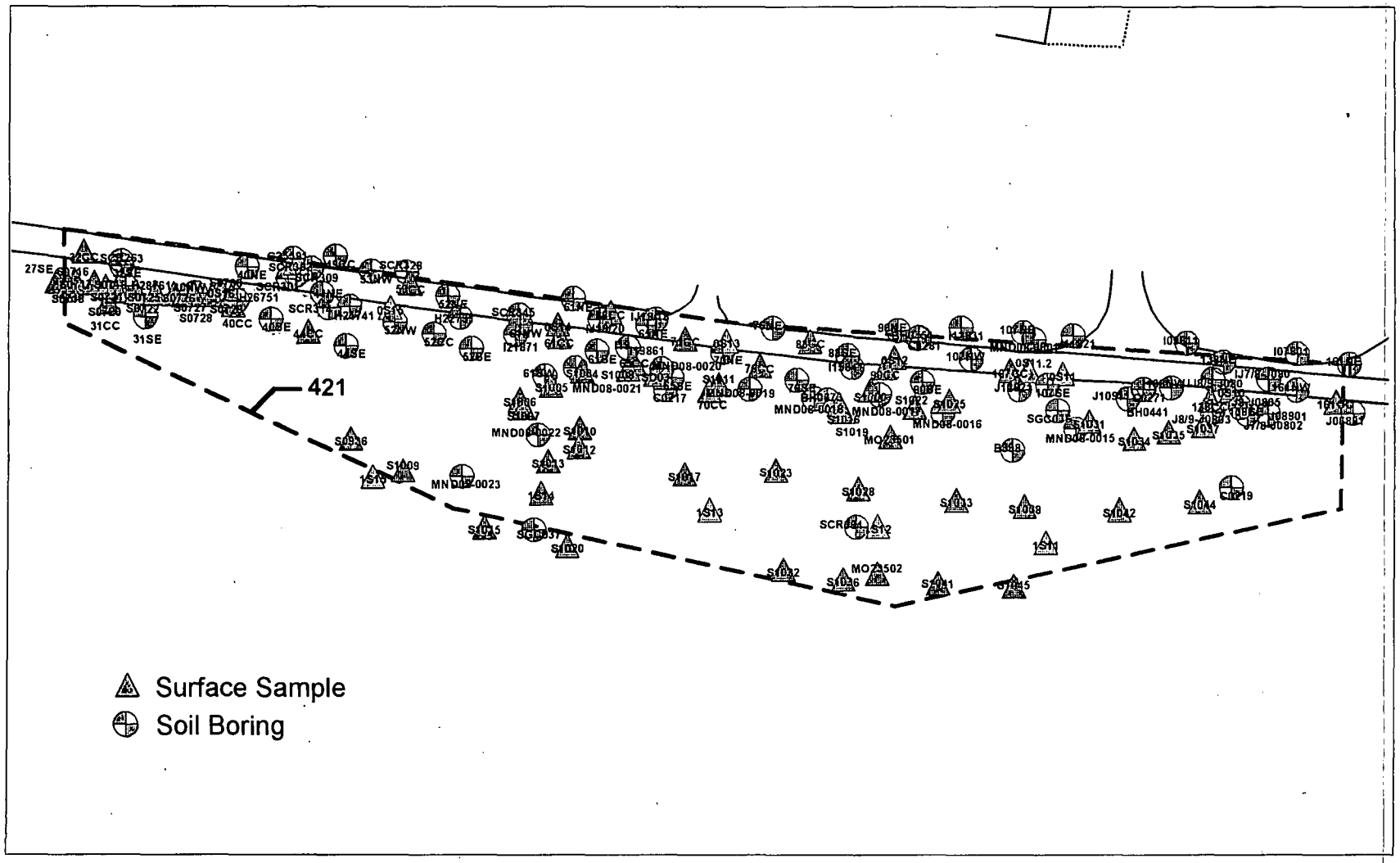
14	B7/8	05/28/99	SL	990528002			AC006	Americium 241	0.009	0.018	0.011	0.1	pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Bismuth 214 Gamma	0.65	0.53	0.88		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Potassium 40 Gamma	17	2.5	3.9		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Lead 212 Gamma	0.79	0.48	0.33		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Lead 214 Gamma	0.72	0.47	0.34		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Radium 226 Gamma	0.63	0.61	0.37		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Radium 228 Gamma	0.32	1.2	0.78		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Thorium 228 Gamma	1.2	0.77	0.81		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Thallium 208 Gamma	1.1	0.71	0.56		pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 238 Gamma	0.68	3.2	2	10	pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Actinium 227 Gamma		5.2			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Americium 241 Gamma		0.18			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Bismuth 207 Gamma		0.12			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Bismuth 210M Gamma		0.32			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Cobalt 60 Gamma		0.16			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Cesium 134 Gamma		0.12			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Cesium 137 Gamma		0.17			pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Plutonium 239/240	-0.026	0.066	0.029	0.1	pCi/g	B7/8	B78111	Plutonium-238	0.02	PCI/G	J	0.035	-1.82	0.02	Soil
14	B7/8	05/28/99	SL	990528002			AC006	Plutonium 238	-0.011	0.058	0.026	0.1	pCi/g	B7/8	B78111	Plutonium-239	0.01	PCI/G	J	0.023	-2.15	0.01	Soil
14	B7/8	05/28/99	SL	990528002			AC006	Thorium 232	0.57	0.015	0.087	0.1	pCi/g	B7/8	B78111	Thorium-232	0.80	PCI/G		0.025	-0.10	0.80	Soil
14	B7/8	05/28/99	SL	990528002			AC006	Thorium 230	0.56	0.016	0.087	0.1	pCi/g	B7/8	B78111	Thorium-230	0.86	PCI/G		0.035	-0.07	0.86	Soil
14	B7/8	05/28/99	SL	990528002			AC006	Thorium 228	0.74	0.033	0.11	0.1	pCi/g	B7/8	B78111	Thorium-228	0.84	PCI/G		0.045	-0.08	0.84	Soil
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 238	0.62	0.025	0.083	0.1	pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 235	0.02	0.015	0.015	0.1	pCi/g											
14	B7/8	05/28/99	SL	990528002			AC006	Uranium 233/234	0.5	0.027	0.08	0.1	pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Americium 241	0.078	0.021	0.029	0.1	pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Cobalt 56 Gamma	0.2	0.14	0.13		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Cesium 137 Gamma	0.003	0.2	0.12		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Potassium 40 Gamma	13	2	3.2		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Lead 212 Gamma	0.38	0.31	0.21		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Radium 226 Gamma	0.17	0.4	0.26		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Radium 228 Gamma	0.69	1.4	0.92		pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Uranium 238 Gamma	0.57	2.6	1.6	10	pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Actinium 227 Gamma		4.5			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Americium 241 Gamma		0.15			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Bismuth 207 Gamma		0.11			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Bismuth 210M Gamma		0.27			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Cobalt 60 Gamma		0.13			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Cesium 134 Gamma		0.11			pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Plutonium 239/240	-0.016	0.076	0.033	0.1	pCi/g	F9	F09431	Plutonium-239	0.00	PCI/G	J	0.015	-2.40	0.01	Soil
14	F9	05/28/99	SL	990528003			AC006	Plutonium 238	-0.027	0.12	0.058	0.1	pCi/g	F9	F09431	Plutonium-238	0.04	PCI/G		0.037	-1.43	0.02	Soil
14	F9	05/28/99	SL	990528003			AC006	Thorium 232	0.51	0.016	0.081	0.1	pCi/g	F9	F09431	Thorium-232	0.67	PCI/G		0.008	-0.17	0.67	Soil
14	F9	05/28/99	SL	990528003			AC006	Thorium 230	0.51	0.016	0.081	0.1	pCi/g	F9	F09431	Thorium-230	0.68	PCI/G		0.008	-0.17	0.68	Soil
14	F9	05/28/99	SL	990528003			AC006	Thorium 228	0.6	0.04	0.095	0.1	pCi/g	F9	F09431	Thorium-228	0.74	PCI/G		0.049	-0.13	0.74	Soil
14	F9	05/28/99	SL	990528003			AC006	Uranium 238	0.47	0.006	0.08	0.1	pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Uranium 235	0.009	0.025	0.015	0.1	pCi/g											
14	F9	05/28/99	SL	990528003			AC006	Uranium 233/234	0.41	0.039	0.076	0.1	pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Americium 241	0.013	0.02	0.013	0.1	pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Cesium 137 Gamma	0.6	0.15	0.15		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Actinium 228 Gamma	1.7	0.88	0.73		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Potassium 40 Gamma	31	1.3	4		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Lead 212 Gamma	1.6	0.22	0.22		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Lead 214 Gamma	1.1	0.32	0.28		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Radium 226 Gamma	0.81	0.38	0.3		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Radium 228 Gamma	3.7	0.88	0.73		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Thorium 228 Gamma	1.8	0.65	0.52		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Thorium 232 Gamma	1.6	0.88	0.73		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Thallium 208 Gamma		0.51	0.4		pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Actinium 227 Gamma		0.1			pCi/g											
15	EF9/10	05/28/99	SL	990528004			AC006	Americium 241 Gamma		0.01			pCi/g											

15	EF9/10	05/28/99	SL	990528004			AC006	Bismuth 207 Gamma		0.1			pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Bismuth 210M Gamma		0.29			pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Cobalt 60 Gamma		0.14			pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Cesium 134 Gamma		0.12			pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Uranium 238 Gamma		17		10	pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Plutonium 239/240	0.009	0.035	0.019	0.1	pCi/g	EF9/10	EF9441	Plutonium-239	0.01	PCI/G	J	0.031	-2.30	0.02	Soil
15	EF9/10	05/28/99	SL	990528004			AC006	Plutonium 238	-0.017	0.065	0.032	0.1	pCi/g	EF9/10	EF9441	Plutonium-238	0.07	PCI/G		0.039	-1.14	0.07	Soil
15	EF9/10	05/28/99	SL	990528004			AC006	Thorium 232	0.79	0.026	0.15	0.1	pCi/g	EF9/10	EF9441	Thorium-232	0.79	PCI/G		0.022	-0.10	0.79	Soil
15	EF9/10	05/28/99	SL	990528004			AC006	Thorium 230	0.93	0.026	0.18	0.1	pCi/g	EF9/10	EF9441	Thorium-230	0.99	PCI/G		0.018	-0.00	0.99	Soil
15	EF9/10	05/28/99	SL	990528004			AC006	Thorium 228	0.74	0.078	0.15	0.1	pCi/g	EF9/10	EF9441	Thorium-228	0.85	PCI/G		0.042	-0.07	0.85	Soil
15	EF9/10	05/28/99	SL	990528004			AC006	Uranium 238	0.85	0.024	0.095	0.1	pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Uranium 235	0.018	0.026	0.017	0.1	pCi/g										
15	EF9/10	05/28/99	SL	990528004			AC006	Uranium 233/234	0.033	0.033	0.0853	0.1	pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Americium 241	0.002	0.036	0.019	0.1	pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Actinium 228 Gamma	2.8	0.83	0.87		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Bismuth 214 Gamma	0.74	0.47	0.36		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Potassium 40 Gamma	20	2.6	4.2		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Lead 212 Gamma	2.8	0.59	0.49		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Lead 214 Gamma	1.2	0.51	0.41		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Radium 226 Gamma	0.72	0.46	0.35		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Radium 228 Gamma	2.8	0.83	0.87		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Thorium 228 Gamma	2.6	0.64	0.63		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Thorium 232 Gamma	2.8	0.83	0.87		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Thallium 208 Gamma	2.4	0.6	0.58		pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Uranium 238 Gamma	0.58	3.6	2.2	10	pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Actinium 227 Gamma		5.6			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Americium 241 Gamma		0.21			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Bismuth 207 Gamma		0.14			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Bismuth 210M Gamma		0.35			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Cobalt 60 Gamma		0.16			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Cesium 134 Gamma		0.15			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Cesium 137 Gamma		0.19			pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Plutonium 239/240	0.02	0.029	0.021	0.1	pCi/g	G14	G14561	Plutonium-239	0.04	PCI/G		0.027	-1.46	0.04	Soil
16	G14	05/28/99	SL	990528005			AC006	Plutonium 238	3.4	0.052	0.48	0.1	pCi/g	G14	G14561	Plutonium-238	4.48	PCI/G		0.041	0.65	4.48	Soil
16	G14	05/28/99	SL	990528005			AC006	Thorium 232	1.5	0.023	0.23	0.1	pCi/g	G14	G14561	Thorium-228	3.36	PCI/G		0.029	0.53	3.36	Soil
16	G14	05/28/99	SL	990528005			AC006	Thorium 230	1.1	0.026	0.17	0.1	pCi/g	G14	G14561	Thorium-230	1.45	PCI/G		0.005	0.16	1.45	Soil
16	G14	05/28/99	SL	990528005			AC006	Thorium 228	1.7	0.037	0.26	0.1	pCi/g	G14	G14561	Thorium-232	2.44	PCI/G		0.014	0.39	2.44	Soil
16	G14	05/28/99	SL	990528005			AC006	Uranium 238	0.96	0.019	0.12	0.1	pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Uranium 235	0.019	0.015	0.013	0.1	pCi/g										
16	G14	05/28/99	SL	990528005			AC006	Uranium 233/234	0.85	0.021	0.11	0.1	pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Americium 241	0.012	0.032	0.019	0.1	pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Actinium 228 Gamma	1.1	1	0.74		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Bismuth 214 Gamma	0.68	0.47	0.35		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Potassium 40 Gamma	21	2.4	3.6		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Lead 212 Gamma	1.7	0.31	0.28		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Lead 214 Gamma	0.78	0.4	0.29		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Radium 226 Gamma	0.66	0.46	0.34		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Radium 228 Gamma	1.1	1	0.74		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Thorium 228 Gamma	1.7	0.65	0.55		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Thorium 232 Gamma	1	1	0.74		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Thallium 208 Gamma	1.5	0.81	0.51		pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Uranium 238 Gamma	0.4	2.4	1.5	10	pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Actinium 227 Gamma		4.5			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Americium 241 Gamma		0.16			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Bismuth 207 Gamma		0.1			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Bismuth 210M Gamma		0.27			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Cobalt 60 Gamma		0.14			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Cesium 134 Gamma		0.1			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Cesium 137 Gamma		0.14			pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Plutonium 239/240	-0.013	0.046	0.018	0.1	pCi/g	F14	F14461	Plutonium-239	0.01	PCI/G	J	0.017	-1.96	0.01	Soil

17	F14	05/28/99	SL	990528006			AC006	Plutonium 238	0.14	0.035	0.048	0.1	pCi/g	F14	F14461	Plutonium-238	0.07	PCI/G		0.035	-1.14	0.07	Soil
17	F14	05/28/99	SL	990528006			AC006	Thorium 232	0.97	0.015	0.14	0.1	pCi/g	F14	F14461	Thorium-232	1.25	PCI/G		0.021	0.10	1.25	Soil
17	F14	05/28/99	SL	990528006			AC006	Thorium 230	0.52	0.013	0.079	0.1	pCi/g	F14	F14461	Thorium-230	0.77	PCI/G		0.017	-0.11	0.77	Soil
17	F14	05/28/99	SL	990528006			AC006	Thorium 228	1	0.03	0.16	0.1	pCi/g	F14	F14461	Thorium-228	1.13	PCI/G		0.027	0.05	1.13	Soil
17	F14	05/28/99	SL	990528006			AC006	Uranium 238	0.61	0.017	0.069	0.1	pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Uranium 235	0.02	0.017	0.01	0.1	pCi/g										
17	F14	05/28/99	SL	990528006			AC006	Uranium 233/234	0.7	0.028	0.09	0.1	pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Americium 241	0	0.022	0.01	0.1	pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Bismuth 211 Gamma	1.6	1.4	0.97		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Lead 212 Gamma	1.2	0.55	0.4		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Radium 226 Gamma	0.49	0.5	0.35		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Radium 228 Gamma	0.29	1.2	0.78		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Thorium 228 Gamma	0.9	0.86	0.61		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Thallium 208 Gamma	0.84	0.79	0.56		pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Uranium 238 Gamma	0.9	4	2.5	10	pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Actinium 227 Gamma		5.1			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Americium 241 Gamma		0.17			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Bismuth 207 Gamma		0.12			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Bismuth 210M Gamma		0.33			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Cobalt 60 Gamma		0.17			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Cesium 134 Gamma		0.12			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Cesium 137 Gamma		0.14			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Potassium 40 Gamma		5.6			pCi/g										
18	F13	05/28/99	SL	990528007			AC006	Plutonium 239/240	-0.003	0.03	0.012	0.1	pCi/g	F13	F13451	Plutonium-239	0.00	PCI/G	J	0.019	-2.70	0.01	Soil
18	F13	05/28/99	SL	990528007			AC006	Plutonium 238	0.088	0.053	0.043	0.1	pCi/g	F13	F13451	Plutonium-238	0.06	PCI/G		0.03	-1.22	0.06	Soil
18	F13	05/28/99	SL	990528007			AC006	Thorium 232	1.1	0.016	0.24	0.1	pCi/g	F13	F13451	Thorium-232	0.81	PCI/G		0.007	-0.09	0.81	Soil
18	F13	05/28/99	SL	990528007			AC006	Thorium 230	0.82	0.026	0.19	0.1	pCi/g	F13	F13451	Thorium-230	0.66	PCI/G		0.037	-0.18	0.66	Soil
18	F13	05/28/99	SL	990528007			AC006	Thorium 228	1.1	0.053	0.24	0.1	pCi/g	F13	F13451	Thorium-228	1.04	PCI/G		0.037	0.02	1.04	Soil

Reference 2

PRS 421 Sampling Event Locations



Chemical Hits
PRS 421 Area Boundary
PRS 421 Sample Locations
Soil Boring
Surface Sample
PRS 421 Sample Locations Outline
Soil Boring Outline
Surface Sample Outline
Roads
Paved Drives/Parking
Trail/Footpath
Unpaved Drives/Parking

N
W
E
S

50 0 50 100 150 200 Feet

Location_nam	Sample_Id	Location_typ	Collection_	Value_name	Measured_value	Value_unit	Detection_lin	Chem_clas	Start_de	End_dep	CAS_number	Lab	Data	Project_cod	Media	Collection_met	Comments
0S10	00S10	Surface loca	19940224	C4-C8 Cycloalkanes/Alker	27062.0000	IC		GENERA	0.0	1.5	C4C8			34896	Soil	Auger, hand	
0S10	00S10	Surface loca	19940224	Total Aromatic Hydrocarbo	14822.0000	IC		GENERA	0.0	1.5	AHYD			34896	Soil	Auger, hand	
0S12	00S12	Surface loca	19940224	C4-C8 Cycloalkanes/Alker	95698.0000	IC		GENERA	0.0	1.5	C4C8			34896	Soil	Auger, hand	
0S12	00S12	Surface loca	19940224	Total Aromatic Hydrocarbo	84567.0000	IC		GENERA	0.0	1.5	AHYD			34896	Soil	Auger, hand	
0S14	00S14	Surface loca	19940224	C4-C8 Cycloalkanes/Alker	114409.0000	IC		GENERA	0.0	1.5	C4C8			34896	Soil	Auger, hand	
0S14	00S14	Surface loca	19940224	Total Aromatic Hydrocarbo	58252.0000	IC		GENERA	0.0	1.5	AHYD			34896	Soil	Auger, hand	
0S16	00S16	Surface loca	19940224	C4-C8 Cycloalkanes/Alker	88244.0000	IC		GENERA	0.0	1.5	C4C8			34896	Soil	Auger, hand	
0S16	00S16	Surface loca	19940224	Total Aromatic Hydrocarbo	41005.0000	IC		GENERA	0.0	1.5	AHYD			34896	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Aluminum	13000.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Arsenic	9.3000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
107CC	CC0/2107	Surface loca	19941206	Barium	70.5000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Benzo(a)anthracene	82.0000	UG/KG		ORSVO	1.0	2.0	56-55-3	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Benzo(a)pyrene	89.0000	UG/KG		ORSVO	1.0	2.0	50-32-8	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Benzo(b)fluoranthene	78.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Benzo(g,h,i)perylene	58.0000	UG/KG		ORSVO	1.0	2.0	191-24-2	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Benzo(k)fluoranthene	83.0000	UG/KG		ORSVO	1.0	2.0	207-08-9	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Beryllium	0.6500	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Bis(2-ethylhexyl)phthalate	20.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	BJ		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Calcium	3050.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Cesium-137	0.3180	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Chromium	16.6000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Chrysene	78.0000	UG/KG		ORSVO	1.0	2.0	218-01-9	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Cobalt	9.5000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Copper	16.5000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Di-n-butyl Phthalate	280.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Fluoranthene	120.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Indeno(1,2,3-cd)pyrene	49.0000	UG/KG		ORSVO	1.0	2.0	193-39-5	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Iron	22400.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Lead	18.5000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Magnesium	2700.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Manganese	398.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Nickel	17.6000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Organic Carbon	16900.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
107CC	CC0/1107	Surface loca	19941206	Organic Carbon	96000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	pH	7.5400	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
107CC	CC0/1107	Surface loca	19941206	pH	9.2800	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Phenanthrene	45.0000	UG/KG		ORSVO	1.0	2.0	85-01-8	J		BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Potassium	1350.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Pyrene	110.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
107CC	CC0/1107	Surface loca	19941206	Radium-224	0.2470	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Radium-224	5.5200	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
107CC	CC0/1107	Surface loca	19941206	Radium-226	0.3570	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Radium-226	0.5030	PCI/G	0.1550	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Silver	1.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-22-4			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Sodium	2890.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
107CC	CC0/1107	Surface loca	19941206	Sulfide	27.0000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Sulfide	28.5000	MG/KG		ANION	1.0	2.0	18496-25-8			BLDG21	Soil	Auger, hand	
107CC	CC0/1107	Surface loca	19941206	Thorium-232	0.3510	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Thorium-232	5.9300	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
107CC	CC0/2107	Surface loca	19941206	Total Organic Halides	17.9000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
107CC	CC0/2107	Surface loca	19941206	Vanadium	28.5000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
107CC	CC0/2107	Surface loca	19941206	Zinc	61.7000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Cesium-137	0.2500	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
107NE	NE0/1107	Borehole		Cesium-137	0.2840	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Plutonium-238	1.5900	PCI/G	0.1370	RAD	1.0	2.0	13981-16-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.
107NE	NE0/2107	Borehole		Radium-224	1.9800	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
107NE	NE0/1107	Borehole		Radium-224	2.5200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
107NE	NE0/1107	Borehole		Radium-226	0.8020	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Radium-226	0.8260	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Thorium-228	1.6600	PCI/G	0.0567	RAD	1.0	2.0	14274-82-9			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
107NE	NE0/2107	Borehole		Thorium-230	1.0900	PCI/G	0.0344	RAD	1.0	2.0	14269-63-7			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Thorium-232	1.7900	PCI/G	0.0344	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
107NE	NE0/2107	Borehole		Thorium-232	1.8000	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
107NE	NE0/1107	Borehole		Thorium-232	2.6600	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
107NE	NE0/2107	Borehole		Uranium-234	0.7410	PCI/G	0.0323	RAD	1.0	2.0	13966-29-5			BLDG21	Soil	Auger, hand	
107NE	NE0/2107	Borehole		Uranium-238	0.7420	PCI/G	0.0285	RAD	1.0	2.0	7440-61-1			BLDG21	Soil	Auger, hand	
107NW	NW0/1107	Borehole		Cesium-137	0.1470	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
107NW	NW0/2107	Borehole		Radium-224	0.1970	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
107NW	NW0/2107	Borehole		Radium-224	0.2060	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
107NW	NW0/1107	Borehole		Radium-224	1.5000	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
107NW	NW0/2107	Borehole		Radium-226	0.3640	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
107NW	NW0/2107	Borehole		Radium-226	0.3850	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
107NW	NW0/1107	Borehole		Radium-226	0.6320	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	

107NW	NW0/2107	Borehole		Thorium-232	0.2320	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
107NW	NW0/2107	Borehole		Thorium-232	0.2450	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
107NW	NW0/1107	Borehole		Thorium-232	1.5700	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
107SE	SE0/2107	Borehole		Cesium-137	0.1490	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
107SE	SE0/1107	Borehole		Radium-224	0.1980	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
107SE	SE0/2107	Borehole		Radium-224	1.6900	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
107SE	SE0/2107	Borehole		Radium-226	0.3140	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
107SE	SE0/1107	Borehole		Radium-226	0.3410	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
107SE	SE0/1107	Borehole		Thorium-232	0.2720	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
107SE	SE0/2107	Borehole		Thorium-232	1.8300	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Aluminum	13100.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Arsenic	7.4000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Barium	77.0000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Beryllium	0.7000	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Calcium	2620.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
138CC	CC0/1138	Surface loca	19941206	Cesium-137	0.1480	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Chromium	15.6000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Cobalt	11.9000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Copper	14.9000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Di-n-butyl Phthalate	360.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Iron	22700.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Lead	17.4000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Magnesium	2280.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Manganese	751.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Methylene Chloride	5.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Methylene Chloride	59.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	B		BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Nickel	16.8000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Organic Carbon	11300.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
138CC	CC0/1138	Surface loca	19941206	Organic Carbon	122000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	pH	7.6900	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
138CC	CC0/1138	Surface loca	19941206	pH	8.7700	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Potassium	1220.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Radium-224	1.6400	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
138CC	CC0/1138	Surface loca	19941206	Radium-224	2.7800	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
138CC	CC0/1138	Surface loca	19941206	Radium-226	0.4090	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Radium-226	1.2000	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Selenium	0.6900	MG/KG	5.0000	INORG	1.0	2.0	7782-49-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Silver	2.1000	MG/KG	10.0000	INORG	1.0	2.0	7440-22-4			BLDG21	Soil	Auger, hand	2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Sodium	2830.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Thorium-232	1.7200	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138CC	CC0/1138	Surface loca	19941206	Thorium-232	2.7100	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Total Organic Halides	6.7900	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
138CC	CC0/2138	Surface loca	19941206	Vanadium	27.7000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
138CC	CC0/2138	Surface loca	19941206	Zinc	50.1000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
138NE	NE0/1138	Borehole		Cesium-137	0.0285	PCI/G	0.0246	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
138NE	NE0/1138	Borehole		Radium-224	0.3570	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
138NE	NE0/1138	Borehole		Radium-226	0.1930	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
138NE	NE0/1138	Borehole		Thorium-232	0.4080	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
138NW	NW1/1138	Borehole		Cesium-137	0.2840	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
138NW	NW0/2138	Borehole		Cesium-137	0.4460	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138NW	NW0/1138	Borehole		Plutonium-238	0.3900	PCI/G	0.0457	RAD	0.0	1.0	13981-16-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.
138NW	NW0/1138	Borehole		Radium-224	0.2960	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
138NW	NW1/1138	Borehole		Radium-224	2.2300	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
138NW	NW0/2138	Borehole		Radium-224	5.1000	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Radium-226	0.3280	PCI/G	0.0965	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
138NW	NW1/1138	Borehole		Radium-226	0.4330	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
138NW	NW0/2138	Borehole		Radium-226	0.9280	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Thorium-228	0.2090	PCI/G	0.0163	RAD	0.0	1.0	14274-82-9			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Thorium-230	0.4010	PCI/G	0.0227	RAD	0.0	1.0	14269-63-7			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Thorium-232	0.2780	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Thorium-232	0.3420	PCI/G	0.0136	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
138NW	NW1/1138	Borehole		Thorium-232	2.2200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138NW	NW0/2138	Borehole		Thorium-232	4.7600	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
138NW	NW0/1138	Borehole		Uranium-234	0.3270	PCI/G	0.0327	RAD	0.0	1.0	13966-29-5			BLDG21	Soil	Auger, hand	
138NW	NW0/1138	Borehole		Uranium-238	0.4450	PCI/G	0.0233	RAD	0.0	1.0	7440-61-1			BLDG21	Soil	Auger, hand	
138SE	SE0/2138	Borehole		Cesium-137	0.5450	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
138SE	SE0/1138	Borehole		Radium-224	1.2200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
138SE	SE0/2138	Borehole		Radium-224	2.1300	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
138SE	SE0/2138	Borehole		Radium-226	1.0600	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
138SE	SE0/1138	Borehole		Radium-226	1.0600	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
138SE	SE0/1138	Borehole		Thorium-232	1.3300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
138SE	SE0/2138	Borehole		Thorium-232	2.4000	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
161CC	CC0/2161	Surface loca	19941206	Aluminum	15700.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Arsenic	8.5000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	

161CC	CC0/2161	Surface loca	19941206	Barium	103.0000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Beryllium	0.8800	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
161CC	CC0/2161	Surface loca	19941206	Calcium	3840.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
161CC	CC0/1161	Surface loca	19941206	Cesium-137	0.1440	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Cesium-137	0.1610	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Chromium	18.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Cobalt	12.8000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Copper	17.5000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Di-n-butyl Phthalate	250.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Iron	26500.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Lead	19.6000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Magnesium	3520.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Manganese	905.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Methylene Chloride	5.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Nickel	21.1000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Organic Carbon	1420.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
161CC	CC0/1161	Surface loca	19941206	Organic Carbon	99700.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	pH	7.8400	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
161CC	CC0/1161	Surface loca	19941206	pH	8.8300	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Potassium	1650.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
161CC	CC0/1161	Surface loca	19941206	Radium-224	0.9910	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Radium-224	2.0500	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
161CC	CC0/1161	Surface loca	19941206	Radium-226	0.3920	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Radium-226	1.1700	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Silver	1.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-22-4			BLDG21	Soil	Auger, hand	2-Exceeds background value.
161CC	CC0/2161	Surface loca	19941206	Sodium	3930.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
161CC	CC0/1161	Surface loca	19941206	Thorium-232	0.8720	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Thorium-232	2.1100	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
161CC	CC0/1161	Surface loca	19941206	Total Organic Halides	6.5400	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
161CC	CC0/2161	Surface loca	19941206	Vanadium	30.7000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
161CC	CC0/2161	Surface loca	19941206	Zinc	58.3000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
161NE	NE0/1161	Borehole		Cesium-137	0.0717	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
161NE	NE0/1161	Borehole		Radium-224	0.4620	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
161NE	NE0/1161	Borehole		Radium-226	0.2020	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
161NE	NE0/1161	Borehole		Thorium-232	0.5600	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Cesium-137	0.0869	PCI/G	0.0548	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Plutonium-238	0.0742	PCI/G	0.0740	RAD	1.0	2.0	13981-16-3			BLDG21	Soil	Auger, hand	
161NW	NW0/1161	Borehole		Radium-224	0.4110	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Radium-224	1.8000	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
161NW	NW0/1161	Borehole		Radium-226	0.3370	PCI/G	0.1060	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Radium-226	1.2800	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Thorium-228	1.4400	PCI/G	0.0278	RAD	1.0	2.0	14274-82-9			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Thorium-230	1.3800	PCI/G	0.0194	RAD	1.0	2.0	14269-63-7			BLDG21	Soil	Auger, hand	
161NW	NW0/1161	Borehole		Thorium-232	0.3980	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Thorium-232	1.3400	PCI/G	0.0131	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Thorium-232	1.6700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
161NW	NW0/2161	Borehole		Uranium-234	0.8510	PCI/G	0.0464	RAD	1.0	2.0	13966-29-5			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Uranium-235	0.0588	PCI/G	0.0343	RAD	1.0	2.0	15117-96-1			BLDG21	Soil	Auger, hand	
161NW	NW0/2161	Borehole		Uranium-238	1.2300	PCI/G	0.0464	RAD	1.0	2.0	7440-61-1			BLDG21	Soil	Auger, hand	
1S14	01S14	Surface loca	19940228	Plutonium-238	25.0000	PCI/G		RAD	0.0	0.5	13981-16-3			34896	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
27SE	SE0/127	Borehole		Americium-241	0.0233	PCI/G	0.0000	RAD	0.0	1.0	14596-10-2			BLDG21	Soil	Auger, hand	
27SE	SE0/127	Borehole		Cesium-137	0.0700	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
27SE	SE0/227	Borehole		Cesium-137	0.4850	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
27SE	SE0/127	Borehole		Radium-224	0.4040	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
27SE	SE0/227	Borehole		Radium-224	2.1400	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
27SE	SE0/127	Borehole		Radium-226	0.3430	PCI/G	0.1080	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
27SE	SE0/227	Borehole		Radium-226	0.4660	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
27SE	SE0/127	Borehole		Thorium-232	0.3540	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
27SE	SE0/227	Borehole		Thorium-232	2.1600	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
31CC	CC0/231	Surface loca	19941201	Aluminum	10100.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Antimony	4.6000	MG/KG	60.0000	INORG	1.0	2.0	7440-36-0			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Arsenic	11.0000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
31CC	CC0/231	Surface loca	19941201	Barium	57.9000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Benzo(a)anthracene	160.0000	UG/KG		ORSVO	1.0	2.0	56-55-3	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Benzo(a)pyrene	210.0000	UG/KG		ORSVO	1.0	2.0	50-32-8	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Benzo(b)fluoranthene	230.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Benzo(g,h,i)perylene	120.0000	UG/KG		ORSVO	1.0	2.0	191-24-2	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Benzo(k)fluoranthene	180.0000	UG/KG		ORSVO	1.0	2.0	207-08-9	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Beryllium	0.6600	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Cadmium	0.3900	MG/KG	5.0000	INORG	1.0	2.0	7440-43-9			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Calcium	72000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	Cesium-137	0.7970	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
31CC	CC0/231	Surface loca	19941201	Cesium-137	1.1500	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
31CC	CC0/231	Surface loca	19941201	Chromium	13.7000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	

31CC	CC0/231	Surface loca	19941201	Chrysene	180.0000	UG/KG		ORSVO	1.0	2.0	218-01-9	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Cobalt	8.4000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Copper	17.2000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Di-n-butyl Phthalate	100.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Fluoranthene	460.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Indeno(1,2,3-cd)pyrene	99.0000	UG/KG		ORSVO	1.0	2.0	193-39-5	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Iron	18200.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Lead	25.5000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Magnesium	37100.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Manganese	606.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Mercury	0.0710	MG/KG	0.2000	INORG	1.0	2.0	7439-97-6			BLDG21	Soil	Auger, hand	2-Exceeds background value.
31CC	CC0/231	Surface loca	19941201	Methylene Chloride	14.0000	UG/KG		ORVOA	1.0	2.0	75-09-2			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Nickel	15.8000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	Organic Carbon	28200.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Organic Carbon	95500.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	pH	8.7500	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	pH	9.3900	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Phenanthrene	240.0000	UG/KG		ORSVO	1.0	2.0	85-01-8	J		BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Potassium	1710.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Pyrene	420.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	Radium-224	5.1500	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Radium-224	5.1900	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	Radium-226	0.6040	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Radium-226	0.7360	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Sodium	957.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
31CC	CC0/131	Surface loca	19941201	Sulfide	55.0000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Sulfide	55.3000	MG/KG		ANION	1.0	2.0	18496-25-8			BLDG21	Soil	Auger, hand	
31CC	CC0/131	Surface loca	19941201	Thorium-232	4.7800	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
31CC	CC0/231	Surface loca	19941201	Thorium-232	5.0500	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
31CC	CC0/231	Surface loca	19941201	Total Organic Halides	10.5000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Vanadium	20.9000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
31CC	CC0/231	Surface loca	19941201	Zinc	76.8000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Cesium-137	0.0684	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
31SE	SE0/131	Borehole		Cesium-137	0.1020	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Cesium-137	0.1810	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
31SE	SE0/131	Borehole		Radium-224	0.2670	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Radium-224	0.2730	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Radium-224	1.2600	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
31SE	SE0/131	Borehole		Radium-226	0.2120	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Radium-226	0.2360	PCI/G	0.1030	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Radium-226	0.9310	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
31SE	SE0/131	Borehole		Thorium-232	0.2480	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Thorium-232	0.3540	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
31SE	SE0/231	Borehole		Thorium-232	1.2100	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Aluminum	14300.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Arsenic	1.7000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Barium	54.0000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Beryllium	0.7400	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
32CC	CC0/232	Surface loca	19941201	Calcium	167000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Chromium	15.5000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Cobalt	11.1000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Copper	10.4000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Cyanide	0.9700	MG/KG		INORG	1.0	2.0	57-12-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
32CC	CC0/232	Surface loca	19941201	Iron	21500.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Lead	4.2000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Magnesium	8080.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Manganese	603.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Methylene Chloride	12.0000	UG/KG		ORVOA	1.0	2.0	75-09-2			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Nickel	21.3000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
32CC	CC0/132	Surface loca	19941201	Organic Carbon	7020.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Organic Carbon	31700.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
32CC	CC0/132	Surface loca	19941201	pH	8.1200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	pH	8.1800	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Potassium	3160.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	2-Exceeds background value.
32CC	CC0/232	Surface loca	19941201	Radium-224	1.0200	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
32CC	CC0/132	Surface loca	19941201	Radium-224	1.0700	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
32CC	CC0/132	Surface loca	19941201	Radium-226	0.5410	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Radium-226	0.6680	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Sodium	671.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
32CC	CC0/132	Surface loca	19941201	Sulfide	47.2000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Sulfide	61.2000	MG/KG		ANION	1.0	2.0	18496-25-8			BLDG21	Soil	Auger, hand	
32CC	CC0/132	Surface loca	19941201	Thorium-232	1.1300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Thorium-232	1.1700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Total Organic Halides	6.2200	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	

32CC	CC0/132	Surface loca	19941201	Total Organic Halides	17.2000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Vanadium	18.2000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
32CC	CC0/232	Surface loca	19941201	Zinc	48.8000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
32SE	SE0/132	Borehole		Cesium-137	0.1870	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
32SE	SE0/232	Borehole		Cesium-137	0.3460	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
32SE	SE0/132	Borehole		Radium-224	1.4200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
32SE	SE0/232	Borehole		Radium-224	1.9500	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
32SE	SE0/132	Borehole		Radium-226	0.3370	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
32SE	SE0/232	Borehole		Radium-226	0.6810	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
32SE	SE0/132	Borehole		Thorium-232	1.3900	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
32SE	SE0/232	Borehole		Thorium-232	1.8300	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Aluminum	17000.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Antimony	4.1000	MG/KG	60.0000	INORG	1.0	2.0	7440-36-0			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Arsenic	7.5000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Barium	83.7000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Beryllium	0.8000	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
40CC	CC0/240	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	49.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Calcium	9070.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Cesium-137	0.0207	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Cesium-137	0.1540	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Chromium	21.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Cobalt	14.4000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Copper	18.6000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Di-n-butyl Phthalate	300.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Iron	34200.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Lead	14.7000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Magnesium	5940.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Manganese	1330.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Methylene Chloride	3.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Nickel	27.0000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Organic Carbon	24100.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Organic Carbon	52300.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	pH	7.9400	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	pH	9.2600	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Potassium	2450.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Radium-224	0.7950	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Radium-224	2.7900	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Radium-226	0.4150	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Radium-226	0.6280	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Sodium	4970.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Thorium-232	0.7010	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Thorium-232	2.6800	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Toluene	1.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
40CC	CC0/140	Surface loca	19941012	Total Organic Halides	30.4000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Total Organic Halides	44.2000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
40CC	CC0/240	Surface loca	19941012	Vanadium	28.1000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
40CC	CC0/240	Surface loca	19941012	Zinc	63.5000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
40NE	NE0/140	Borehole		Cesium-137	0.0498	PCI/G	0.0438	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
40NE	NE0/240	Borehole		Radium-224	0.6150	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
40NE	NE0/140	Borehole		Radium-224	1.2700	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
40NE	NE0/240	Borehole		Radium-226	0.5170	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
40NE	NE0/140	Borehole		Radium-226	0.5710	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
40NE	NE0/240	Borehole		Thorium-232	0.6790	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
40NE	NE0/140	Borehole		Thorium-232	1.1500	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
40NW	NW0/240	Borehole		Cesium-137	0.0518	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
40NW	NW0/140	Borehole		Cesium-137	0.1470	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
40NW	NW0/240	Borehole		Radium-224	1.1200	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
40NW	NW0/140	Borehole		Radium-224	1.1600	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
40NW	NW0/140	Borehole		Radium-226	0.3830	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
40NW	NW0/240	Borehole		Radium-226	0.7070	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
40NW	NW0/240	Borehole		Thorium-232	1.1700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
40NW	NW0/140	Borehole		Thorium-232	1.2000	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
40SE	SE0/140	Borehole		Cesium-137	0.0854	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
40SE	SE0/240	Borehole		Cesium-137	0.1700	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
40SE	SE0/140	Borehole		Radium-224	0.8770	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
40SE	SE0/240	Borehole		Radium-224	1.9900	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
40SE	SE0/140	Borehole		Radium-226	0.4220	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
40SE	SE0/240	Borehole		Radium-226	0.6630	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
40SE	SE0/140	Borehole		Thorium-232	0.7550	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
40SE	SE0/240	Borehole		Thorium-232	2.2000	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
44CC	CC0/244	Surface loca	19941012	Aluminum	11500.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
44CC	CC0/244	Surface loca	19941012	Arsenic	9.1000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
44CC	CC0/244	Surface loca	19941012	Barium	45.5000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
44CC	CC0/244	Surface loca	19941012	Beryllium	0.4600	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	

44CC	CC0/244	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	48.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Calcium	32800.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	Cesium-137	0.0766	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Cesium-137	0.2270	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Chromium	15.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Cobalt	8.8000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Copper	15.9000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Cyanide	6.3600	MG/KG		INORG	1.0	2.0	57-12-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.	
44CC	CC0/244	Surface loca	19941012	Di-n-butyl Phthalate	340.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Fluoranthene	51.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Iron	22600.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Lead	15.1000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Magnesium	12000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Manganese	328.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Methylene Chloride	3.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Nickel	17.8000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	Organic Carbon	97000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Organic Carbon	103000.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	pH	8.5200	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	pH	8.8900	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Potassium	1210.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Pyrene	46.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	Radium-224	0.4850	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Radium-224	1.4100	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	Radium-226	0.4220	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Radium-226	0.8290	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Sodium	4370.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.	
44CC	CC0/144	Surface loca	19941012	Thorium-232	0.5890	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Thorium-232	1.4700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	2-Exceeds background value.	
44CC	CC0/244	Surface loca	19941012	Total Organic Halides	75.4000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand		
44CC	CC0/144	Surface loca	19941012	Total Organic Halides	92.7000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Vanadium	24.8000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand		
44CC	CC0/244	Surface loca	19941012	Zinc	56.5000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand		
44NE	NE0/144	Borehole		Radium-224	1.4700	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand		
44NE	NE0/144	Borehole		Radium-226	0.7380	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand		
44NE	NE0/144	Borehole		Thorium-232	1.5600	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.	
44SE	SE0/244	Borehole		Cesium-137	0.1090	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand		
44SE	SE0/144	Borehole		Cesium-137	0.1440	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand		
44SE	SE0/144	Borehole		Radium-224	1.2200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand		
44SE	SE0/244	Borehole		Radium-224	1.4100	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand		
44SE	SE0/244	Borehole		Radium-226	0.9840	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand		
44SE	SE0/144	Borehole		Radium-226	1.0900	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand		
44SE	SE0/144	Borehole		Thorium-232	1.0600	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand		
44SE	SE0/244	Borehole		Thorium-232	1.5300	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.	
49CC	CC0/249	Borehole		Total Organic Halides	13.4000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Aluminum	9220.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Arsenic	7.4000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Barium	34.6000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Beryllium	0.2900	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Bis(2-ethylhexyl)phthalate	54.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Cadmium	0.5700	MG/KG	5.0000	INORG	1.0	2.0	7440-43-9			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Calcium	68200.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	Cesium-137	0.0303	PCI/G	0.0280	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Cesium-137	0.5550	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.	
52CC	CC0/252	Borehole	19941012	Chromium	13.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Cobalt	7.6000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Copper	13.6000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Di-n-butyl Phthalate	350.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Iron	17700.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Lead	12.8000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Magnesium	27300.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Manganese	352.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Methylene Chloride	2.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Nickel	14.5000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Organic Carbon	13300.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	Organic Carbon	90800.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	Organic Carbon	94300.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	pH	8.1900	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	pH	8.3000	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand		
52CC	CC1/152	Borehole	19941012	pH	8.3200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	Plutonium-238	2.1500	PCI/G	0.0219	RAD	0.0	1.0	13981-16-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.	
52CC	CC0/252	Borehole	19941012	Potassium	1060.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand		
52CC	CC0/152	Borehole	19941006	Radium-224	0.3760	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand		
52CC	CC0/252	Borehole	19941012	Radium-224	3.5100	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand		

52CC	CC0/152	Borehole	19941006	Radium-226	0.3100	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Radium-226	0.4180	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Sodium	3810.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
52CC	CC0/252	Borehole	19941012	Sulfide	38.4000	MG/KG		ANION	1.0	2.0	18496-25-8			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Sulfide	42.5000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Thorium-228	0.3160	PCI/G	0.0269	RAD	0.0	1.0	14274-82-9			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Thorium-230	0.4630	PCI/G	0.0190	RAD	0.0	1.0	14269-63-7			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Thorium-232	0.2950	PCI/G	0.0190	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Thorium-232	0.3440	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Thorium-232	3.4800	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
52CC	CC0/152	Borehole	19941006	Total Organic Halides	23.9000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Total Organic Halides	24.0000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Total Organic Halides	24.6000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Uranium-234	0.3820	PCI/G	0.0977	RAD	0.0	1.0	13966-29-5			BLDG21	Soil	Auger, hand	
52CC	CC0/152	Borehole	19941006	Uranium-238	0.4230	PCI/G	0.1140	RAD	0.0	1.0	7440-61-1			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Vanadium	20.7000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
52CC	CC0/252	Borehole	19941012	Zinc	49.7000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Radium-224	0.5830	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Radium-224	0.6690	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NE	NE0/152	Borehole		Radium-224	0.9260	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Radium-226	0.4310	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Radium-226	0.5570	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NE	NE0/152	Borehole		Radium-226	0.6180	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Thorium-232	0.6320	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
52NE	NE0/252	Borehole		Thorium-232	0.7050	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
52NE	NE0/152	Borehole		Thorium-232	1.0100	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
52NW	NW1/152	Borehole		Cesium-137	0.1380	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
52NW	NW0/252	Borehole		Cesium-137	0.3600	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
52NW	NW0/152	Borehole		Radium-224	0.4130	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NW	NW1/152	Borehole		Radium-224	2.9000	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NW	NW0/252	Borehole		Radium-224	3.4400	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
52NW	NW0/152	Borehole		Radium-226	0.3740	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NW	NW1/152	Borehole		Radium-226	0.4560	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NW	NW0/252	Borehole		Radium-226	0.6760	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
52NW	NW0/152	Borehole		Thorium-232	0.4500	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
52NW	NW1/152	Borehole		Thorium-232	2.6000	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52NW	NW0/252	Borehole		Thorium-232	3.2300	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
52SE	SE0/252	Borehole		Americium-241	0.2910	PCI/G	0.2760	RAD	1.0	2.0	14596-10-2			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Cesium-137	0.0965	PCI/G	0.0000	RAD	2.0	3.0	10045-97-3			BLDG21	Soil	Auger, hand	
52SE	SE0/252	Borehole		Cesium-137	0.6030	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52SE	SE0/352	Borehole		Plutonium-238	6.1700	PCI/G	0.1050	RAD	2.0	3.0	13981-16-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52SE	SE0/152	Borehole		Radium-224	0.2590	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Radium-224	2.0200	PCI/G	0.0000	RAD	2.0	3.0	13233-32-4			BLDG21	Soil	Auger, hand	
52SE	SE0/252	Borehole		Radium-224	7.5100	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
52SE	SE0/152	Borehole		Radium-226	0.4020	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
52SE	SE0/252	Borehole		Radium-226	0.4660	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Radium-226	0.9330	PCI/G	0.0000	RAD	2.0	3.0	13982-63-3			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Thorium-228	1.9200	PCI/G	0.0264	RAD	2.0	3.0	14274-82-9			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52SE	SE0/352	Borehole		Thorium-230	1.1200	PCI/G	0.0206	RAD	2.0	3.0	14269-63-7			BLDG21	Soil	Auger, hand	
52SE	SE0/152	Borehole		Thorium-232	0.2100	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Thorium-232	1.8400	PCI/G	0.0139	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52SE	SE0/352	Borehole		Thorium-232	1.8700	PCI/G	0.0000	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
52SE	SE0/252	Borehole		Thorium-232	6.2500	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
52SE	SE0/352	Borehole		Uranium-234	1.0800	PCI/G	0.1380	RAD	2.0	3.0	13966-29-5			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Uranium-235	0.0861	PCI/G	0.0583	RAD	2.0	3.0	15117-96-1			BLDG21	Soil	Auger, hand	
52SE	SE0/352	Borehole		Uranium-238	0.7300	PCI/G	0.0866	RAD	2.0	3.0	7440-61-1			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Aluminum	8220.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Arsenic	3.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Barium	37.3000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Beryllium	0.2400	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	39.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Calcium	156000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Chromium	13.6000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Cobalt	7.3000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Copper	10.9000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Di-n-butyl Phthalate	350.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Iron	16600.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Lead	6.0000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Magnesium	17500.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Manganese	426.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Methylene Chloride	3.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	BJ		BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Nickel	14.3000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
53CC	CC0/153	Surface loca	19941012	Organic Carbon	36400.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Organic Carbon	46300.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	

53CC	CC0/153	Surface loca	19941012	pH	8.1800	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	pH	10.6000	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Potassium	1360.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Radium-224	0.5890	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
53CC	CC0/153	Surface loca	19941012	Radium-224	1.0500	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Radium-226	0.6150	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
53CC	CC0/153	Surface loca	19941012	Radium-226	0.7160	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Sodium	203.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Thorium-232	0.7700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
53CC	CC0/153	Surface loca	19941012	Thorium-232	1.1200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
53CC	CC0/153	Surface loca	19941012	Total Organic Halides	14.5000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Total Organic Halides	22.8000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Vanadium	13.4000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
53CC	CC0/253	Surface loca	19941012	Zinc	37.8000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
53NW	NW0/153	Borehole		Radium-224	1.1500	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
53NW	NW0/153	Borehole		Radium-226	0.7250	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
53NW	NW0/153	Borehole		Thorium-232	1.4900	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	2-Exceeds background value.
61CC	CC0/261	Surface loca	19941012	Aluminum	7590.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Arsenic	5.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Barium	36.9000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Benzo(b)fluoranthene	45.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Benzo(b)fluoranthene	53.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Benzo(k)fluoranthene	41.0000	UG/KG		ORSVO	1.0	2.0	207-08-9	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Beryllium	0.2800	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	76.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	92.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Calcium	72600.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Cesium-137	0.5670	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
61CC	CC0/261	Surface loca	19941012	Chromium	11.5000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Cobalt	6.9000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Copper	13.5000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Di-n-butyl Phthalate	330.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Di-n-butyl Phthalate	350.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Fluoranthene	65.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Fluoranthene	67.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Iron	14200.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Lead	22.7000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Magnesium	32600.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Manganese	284.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Methylene Chloride	5.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	BJ		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Nickel	13.1000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
61CC	CC0/161	Surface loca	19941012	Organic Carbon	59000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Organic Carbon	106000.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
61CC	CC0/161	Surface loca	19941012	pH	8.5400	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	pH	8.7000	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Potassium	912.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Pyrene	87.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Pyrene	87.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
61CC	CC0/161	Surface loca	19941012	Radium-224	0.1510	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Radium-224	8.8200	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Radium-226	0.2920	PCI/G	0.1270	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
61CC	CC0/161	Surface loca	19941012	Radium-226	0.3150	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Sodium	2430.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
61CC	CC0/161	Surface loca	19941012	Thorium-232	0.2200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Thorium-232	8.6500	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
61CC	CC0/261	Surface loca	19941012	Toluene	1.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
61CC	CC0/161	Surface loca	19941012	Total Organic Halides	34.4000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Total Organic Halides	39.3000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Vanadium	19.3000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
61CC	CC0/261	Surface loca	19941012	Zinc	90.0000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
61NE	NE0/261	Borehole		Cesium-137	0.1120	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Cesium-137	0.3500	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Cesium-137	0.3520	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
61NE	NE0/261	Borehole		Radium-224	1.0300	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Radium-224	1.1000	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Radium-224	1.1300	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NE	NE0/261	Borehole		Radium-226	0.8370	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Radium-226	0.8680	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Radium-226	0.8800	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NE	NE0/261	Borehole		Thorium-232	0.9900	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Thorium-232	1.1400	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NE	NE0/161	Borehole		Thorium-232	1.2100	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NW	NW0/161	Borehole		Cesium-137	0.0982	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
61NW	NW1/161	Borehole		Cesium-137	0.1790	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	

61NW	NW0/361	Borehole		Radium-224	1.1300	PCI/G	0.0000	RAD	2.0	3.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NW	NW0/161	Borehole		Radium-224	1.1800	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NW	NW0/261	Borehole		Radium-224	1.2700	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NW	NW1/161	Borehole		Radium-224	1.2900	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61NW	NW1/161	Borehole		Radium-226	0.9040	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NW	NW0/161	Borehole		Radium-226	1.0200	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NW	NW0/261	Borehole		Radium-226	1.1600	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NW	NW0/361	Borehole		Radium-226	1.1700	PCI/G	0.0000	RAD	2.0	3.0	13982-63-3			BLDG21	Soil	Auger, hand	
61NW	NW0/361	Borehole		Thorium-232	1.0500	PCI/G	0.0000	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NW	NW1/161	Borehole		Thorium-232	1.1300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NW	NW0/261	Borehole		Thorium-232	1.1700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
61NW	NW0/161	Borehole		Thorium-232	1.2500	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61SE	SE0/161	Borehole		Cesium-137	0.0796	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
61SE	SE0/261	Borehole		Cesium-137	0.3050	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
61SE	SE0/161	Borehole		Radium-224	0.7720	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61SE	SE0/261	Borehole		Radium-224	13.2000	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
61SE	SE0/161	Borehole		Radium-226	0.3980	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61SE	SE0/261	Borehole		Radium-226	0.6400	PCI/G	0.1690	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
61SE	SE0/161	Borehole		Thorium-232	0.8950	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
61SE	SE0/261	Borehole		Thorium-232	11.8000	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
61SW	SW0/261	Borehole		Cesium-137	0.1520	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
61SW	SW0/161	Borehole		Cesium-137	0.2400	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
61SW	SW0/261	Borehole		Radium-224	0.9170	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
61SW	SW0/161	Borehole		Radium-224	1.6200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
61SW	SW0/261	Borehole		Radium-226	0.6470	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
61SW	SW0/161	Borehole		Radium-226	1.0500	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
61SW	SW0/261	Borehole		Thorium-232	0.9610	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
61SW	SW0/161	Borehole		Thorium-232	1.6800	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
65CC	CC0/265	Surface loca	19941012	1,1,1,2-Tetrachloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	630-20-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1,1-Trichloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	71-55-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1,2,2-Tetrachloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	79-34-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1,2-Trichloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	79-00-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1-Dichloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	75-34-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1-Dichloroethene	6.0000	UG/KG		ORVOA	1.0	2.0	75-35-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,1-Dichloropropene	6.0000	UG/KG		ORVOA	1.0	2.0	563-58-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2,3-Trichlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	87-61-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2,3-Trichloropropane	6.0000	UG/KG		ORVOA	1.0	2.0	96-18-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2,4-Trichlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	120-82-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2,4-Trimethylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	95-63-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-cis-Dichloroethene	6.0000	UG/KG		ORVOA	1.0	2.0	156-59-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-dibromo-3-chloroprope	6.0000	UG/KG		ORVOA	1.0	2.0	96-12-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-Dibromoethane	6.0000	UG/KG		ORVOA	1.0	2.0	106-93-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-Dichlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	95-50-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-Dichloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	107-06-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-Dichloropropane	6.0000	UG/KG		ORVOA	1.0	2.0	78-87-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,2-trans-Dichloroethene	6.0000	UG/KG		ORVOA	1.0	2.0	156-60-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,3,5-Trimethylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	108-67-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,3-cis-Dichloropropene	6.0000	UG/KG		ORVOA	1.0	2.0	10061-01-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,3-Dichlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	541-73-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,3-Dichloropropane	6.0000	UG/KG		ORVOA	1.0	2.0	142-28-9			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,3-trans-Dichloropropene	6.0000	UG/KG		ORVOA	1.0	2.0	10061-02-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	1,4-Dichlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	106-46-7			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	2,2-Dichloropropane	6.0000	UG/KG		ORVOA	1.0	2.0	594-20-7			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	2-Chlorotoluene	6.0000	UG/KG		ORVOA	1.0	2.0	95-49-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	4-Chlorotoluene	6.0000	UG/KG		ORVOA	1.0	2.0	106-43-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Aluminum	11300.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Arsenic	7.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Barium	70.4000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Benzene	6.0000	UG/KG		ORVOA	1.0	2.0	71-43-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Beryllium	0.5400	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	62.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	130.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bromobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	108-86-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bromochloromethane	6.0000	UG/KG		ORVOA	1.0	2.0	74-97-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bromodichloromethane	6.0000	UG/KG		ORVOA	1.0	2.0	75-27-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bromoform	6.0000	UG/KG		ORVOA	1.0	2.0	75-25-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Bromomethane	6.0000	UG/KG		ORVOA	1.0	2.0	74-83-9			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Calcium	33100.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Carbon Tetrachloride	6.0000	UG/KG		ORVOA	1.0	2.0	56-23-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Cesium-137	0.0505	PCI/G	0.0439	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Chlorobenzene	6.0000	UG/KG		ORVOA	1.0	2.0	108-90-7			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Chloroethane	6.0000	UG/KG		ORVOA	1.0	2.0	75-00-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Chloroform	6.0000	UG/KG		ORVOA	1.0	2.0	67-66-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Chloromethane	6.0000	UG/KG		ORVOA	1.0	2.0	74-87-3			BLDG21	Soil	Auger, hand	

65CC	CC0/265	Surface loca	19941012	Chromium	14.3000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Cobalt	9.9000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Copper	16.7000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Dibromochloromethane	6.0000	UG/KG		ORVOA	1.0	2.0	124-48-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Dibromomethane	6.0000	UG/KG		ORVOA	1.0	2.0	74-95-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Dichlorodifluoromethane	6.0000	UG/KG		ORVOA	1.0	2.0	75-71-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Di-n-butyl Phthalate	300.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Di-n-butyl Phthalate	310.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Ethylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	100-41-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Hexachlorobutadiene	6.0000	UG/KG		ORVOA	1.0	2.0	87-68-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Iron	20700.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Isopropyl Benzene	6.0000	UG/KG		ORVOA	1.0	2.0	98-82-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Lead	15.9000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Magnesium	11700.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Manganese	451.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Methylene Chloride	6.0000	UG/KG		ORVOA	1.0	2.0	75-09-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Methylene Chloride	7.0000	UG/KG		ORVOA	1.0	2.0	75-09-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	mp-Xylene	6.0000	UG/KG		ORVOA	1.0	2.0	mp-Xylene			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Naphthalene	6.0000	UG/KG		ORVOA	1.0	2.0	91-20-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	n-Butylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	104-51-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Nickel	16.7000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	n-propylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	103-65-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Organic Carbon	25400.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	Organic Carbon	92500.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	o-Xylene	6.0000	UG/KG		ORVOA	1.0	2.0	95-47-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	pH	8.3300	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	pH	8.8200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	p-Isopropyltoluene	6.0000	UG/KG		ORVOA	1.0	2.0	99-87-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Potassium	1240.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	Radium-224	0.4630	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Radium-224	1.0500	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	Radium-226	0.3640	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Radium-226	0.8340	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	sec-Butylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	135-98-8			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Sodium	1260.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
65CC	CC0/265	Surface loca	19941012	Styrene	6.0000	UG/KG		ORVOA	1.0	2.0	100-42-5			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	tert-Butylbenzene	6.0000	UG/KG		ORVOA	1.0	2.0	98-06-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Tetrachloroethene	6.0000	UG/KG		ORVOA	1.0	2.0	127-18-4			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	Thorium-232	0.4540	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Thorium-232	0.9220	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Toluene	2.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Toluene	2.0000	UG/KG		ORVOA	1.0	2.0	108-88-3			BLDG21	Soil	Auger, hand	
65CC	CC0/165	Surface loca	19941012	Total Organic Halides	35.6000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Total Organic Halides	42.0000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Trichloroethene	6.0000	UG/KG		ORVOA	1.0	2.0	79-01-6			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Trichlorofluoromethane	6.0000	UG/KG		ORVOA	1.0	2.0	75-69-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Vanadium	24.0000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Vinyl Chloride	6.0000	UG/KG		ORVOA	1.0	2.0	75-01-4			BLDG21	Soil	Auger, hand	
65CC	CC0/265	Surface loca	19941012	Zinc	58.5000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
65NE	NE0/265	Borehole		Cesium-137	0.0673	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
65NE	NE0/165	Borehole		Cesium-137	0.2030	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
65NE	NE0/265	Borehole		Radium-224	1.2600	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
65NE	NE0/165	Borehole		Radium-224	1.2800	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
65NE	NE0/165	Borehole		Radium-226	1.0200	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
65NE	NE0/265	Borehole		Radium-226	1.0600	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
65NE	NE0/265	Borehole		Thorium-232	1.2400	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
65NE	NE0/165	Borehole		Thorium-232	1.2600	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Cesium-137	0.0916	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
65SE	SE0/265	Borehole		Cesium-137	0.1800	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Plutonium-238	2.6200	PCI/G	0.0280	RAD	0.0	1.0	13981-16-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.
65SE	SE0/165	Borehole		Radium-224	0.3540	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
65SE	SE0/365	Borehole		Radium-224	0.8190	PCI/G	0.0000	RAD	2.0	3.0	13233-32-4			BLDG21	Soil	Auger, hand	
65SE	SE0/265	Borehole		Radium-224	0.9550	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Radium-226	0.3950	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
65SE	SE0/265	Borehole		Radium-226	0.6060	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
65SE	SE0/365	Borehole		Radium-226	0.8920	PCI/G	0.0000	RAD	2.0	3.0	13982-63-3			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Thorium-228	0.3660	PCI/G	0.0204	RAD	0.0	1.0	14274-82-9			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Thorium-230	0.4570	PCI/G	0.0159	RAD	0.0	1.0	14269-63-7			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Thorium-232	0.4020	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Thorium-232	0.4380	PCI/G	0.0107	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
65SE	SE0/365	Borehole		Thorium-232	0.9420	PCI/G	0.0000	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	
65SE	SE0/265	Borehole		Thorium-232	0.9860	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Uranium-234	0.3880	PCI/G	0.0979	RAD	0.0	1.0	13966-29-5			BLDG21	Soil	Auger, hand	
65SE	SE0/165	Borehole		Uranium-238	0.3550	PCI/G	0.0573	RAD	0.0	1.0	7440-61-1			BLDG21	Soil	Auger, hand	

66CC	CC0/266	Surface loca	19941012	Aluminum	11200.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Arsenic	9.8000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
66CC	CC0/266	Surface loca	19941012	Barium	78.4000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Benzo(b)fluoranthene	49.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Benzo(k)fluoranthene	48.0000	UG/KG		ORSVO	1.0	2.0	207-08-9	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Beryllium	0.7100	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
66CC	CC0/266	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	120.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Cadmium	0.2700	MG/KG	5.0000	INORG	1.0	2.0	7440-43-9			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Calcium	18000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Cesium-137	0.2550	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Cesium-137	0.3650	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Chromium	16.4000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Chrysene	52.0000	UG/KG		ORSVO	1.0	2.0	218-01-9	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Cobalt	10.5000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Copper	19.5000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Di-n-butyl Phthalate	340.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Fluoranthene	87.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Iron	25500.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Lead	23.1000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Magnesium	3350.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Manganese	593.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Methylene Chloride	2.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Nickel	19.5000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Organic Carbon	25500.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Organic Carbon	29000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	pH	7.7400	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	pH	7.8500	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Potassium	1470.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Pyrene	77.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Radium-224	1.1500	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Radium-224	1.2200	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Radium-226	0.9280	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Radium-226	0.9560	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Sodium	65.8000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Thorium-232	1.1700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Thorium-232	1.2300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Total Organic Halides	42.5000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
66CC	CC0/166	Surface loca	19941012	Total Organic Halides	42.7000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Vanadium	24.8000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
66CC	CC0/266	Surface loca	19941012	Zinc	67.5000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Acenaphthene	200.0000	UG/KG		ORSVO	1.0	2.0	83-32-9	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Acenaphthene	210.0000	UG/KG		ORSVO	1.0	2.0	83-32-9	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Aluminum	11300.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Anthracene	320.0000	UG/KG		ORSVO	1.0	2.0	120-12-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Anthracene	330.0000	UG/KG		ORSVO	1.0	2.0	120-12-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Arsenic	9.1000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
70CC	CC0/270	Surface loca	19941012	Barium	76.6000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(a)anthracene	1000.0000	UG/KG		ORSVO	1.0	2.0	56-55-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(a)anthracene	1000.0000	UG/KG		ORSVO	1.0	2.0	56-55-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(a)pyrene	1000.0000	UG/KG		ORSVO	1.0	2.0	50-32-8			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
70CC	CC0/270	Surface loca	19941012	Benzo(a)pyrene	1000.0000	UG/KG		ORSVO	1.0	2.0	50-32-8			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
70CC	CC0/270	Surface loca	19941012	Benzo(b)fluoranthene	900.0000	UG/KG		ORSVO	1.0	2.0	205-99-2			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(b)fluoranthene	1000.0000	UG/KG		ORSVO	1.0	2.0	205-99-2			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(g,h,i)perylene	590.0000	UG/KG		ORSVO	1.0	2.0	191-24-2			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(g,h,i)perylene	900.0000	UG/KG		ORSVO	1.0	2.0	191-24-2			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(k)fluoranthene	930.0000	UG/KG		ORSVO	1.0	2.0	207-08-9			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Benzo(k)fluoranthene	950.0000	UG/KG		ORSVO	1.0	2.0	207-08-9			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Beryllium	0.7700	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
70CC	CC0/270	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	120.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	120.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Cadmium	0.2100	MG/KG	5.0000	INORG	1.0	2.0	7440-43-9			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Calcium	7740.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Carbazole	150.0000	UG/KG		ORSVO	1.0	2.0	86-74-8	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Carbazole	160.0000	UG/KG		ORSVO	1.0	2.0	86-74-8	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Cesium-137	0.1150	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
70CC	CC1/170	Surface loca	19941012	Cesium-137	0.3420	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Cesium-137	0.6320	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
70CC	CC0/270	Surface loca	19941012	Chromium	15.3000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Chrysene	980.0000	UG/KG		ORSVO	1.0	2.0	218-01-9			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Chrysene	1000.0000	UG/KG		ORSVO	1.0	2.0	218-01-9			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Cobalt	11.2000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Copper	16.1000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Dibenz(a,h)anthracene	220.0000	UG/KG		ORSVO	1.0	2.0	53-70-3	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Dibenzofuran	64.0000	UG/KG		ORSVO	1.0	2.0	132-64-9	J		BLDG21	Soil	Auger, hand	

70CC	CC0/270	Surface loca	19941012	Dibenzofuran	66.0000	UG/KG		ORSVO	1.0	2.0	132-64-9	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Di-n-butyl Phthalate	260.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Di-n-butyl Phthalate	270.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Fluoranthene	1800.0000	UG/KG		ORSVO	1.0	2.0	206-44-0			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Fluoranthene	2000.0000	UG/KG		ORSVO	1.0	2.0	206-44-0			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Fluorene	130.0000	UG/KG		ORSVO	1.0	2.0	86-73-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Fluorene	140.0000	UG/KG		ORSVO	1.0	2.0	86-73-7	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Indeno(1,2,3-cd)pyrene	500.0000	UG/KG		ORSVO	1.0	2.0	193-39-5			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Indeno(1,2,3-cd)pyrene	660.0000	UG/KG		ORSVO	1.0	2.0	193-39-5			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Iron	22100.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Lead	16.1000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Magnesium	3990.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Manganese	731.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Methylene Chloride	4.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Methylene Chloride	6.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	B		BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Nickel	16.6000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Organic Carbon	22600.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Organic Carbon	87000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Organic Carbon	94400.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
70CC	CC1/170	Surface loca	19941012	pH	7.9900	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	pH	8.1200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	pH	8.1400	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Phenanthrene	1500.0000	UG/KG		ORSVO	1.0	2.0	85-01-8			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Phenanthrene	1600.0000	UG/KG		ORSVO	1.0	2.0	85-01-8			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Potassium	1050.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Pyrene	3700.0000	UG/KG		ORSVO	1.0	2.0	129-00-0			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Pyrene	4000.0000	UG/KG		ORSVO	1.0	2.0	129-00-0			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Radium-224	1.8400	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
70CC	CC1/170	Surface loca	19941012	Radium-224	2.5100	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Radium-224	4.4300	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
70CC	CC1/170	Surface loca	19941012	Radium-226	0.5310	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Radium-226	0.5340	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Radium-226	1.0900	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Sodium	2980.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
70CC	CC0/170	Surface loca	19941012	Sulfide	28.3000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Sulfide	32.3000	MG/KG		ANION	1.0	2.0	18496-25-8			BLDG21	Soil	Auger, hand	
70CC	CC1/170	Surface loca	19941012	Sulfide	43.0000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Thorium-232	1.7100	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
70CC	CC1/170	Surface loca	19941012	Thorium-232	2.4000	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
70CC	CC0/170	Surface loca	19941012	Thorium-232	4.1400	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
70CC	CC0/270	Surface loca	19941012	Toluene	2.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Total Organic Halides	6.9500	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Total Organic Halides	12.0000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
70CC	CC0/170	Surface loca	19941012	Total Organic Halides	17.9000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
70CC	CC0/270	Surface loca	19941012	Vanadium	28.3000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
70CC	CC0/270	Surface loca	19941012	Zinc	52.7000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
70NE	NE0/170	Borehole		Cesium-137	0.2750	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
70NE	NE0/170	Borehole		Radium-224	0.7030	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
70NE	NE0/270	Borehole		Radium-224	0.8140	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
70NE	NE0/170	Borehole		Radium-226	0.4700	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
70NE	NE0/270	Borehole		Radium-226	1.0700	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
70NE	NE0/170	Borehole		Thorium-232	0.5630	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
70NE	NE0/270	Borehole		Thorium-232	0.7670	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Aluminum	5650.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Aluminum	6450.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Arsenic	5.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Arsenic	5.6000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Barium	63.9000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Barium	79.2000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Benzo(a)anthracene	38.0000	UG/KG		ORSVO	1.0	2.0	56-55-3	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Benzo(a)anthracene	44.0000	UG/KG		ORSVO	1.0	2.0	56-55-3	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Benzo(a)pyrene	38.0000	UG/KG		ORSVO	1.0	2.0	50-32-8	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Benzo(b)fluoranthene	51.0000	UG/KG		ORSVO	1.0	2.0	205-99-2	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Benzo(k)fluoranthene	39.0000	UG/KG		ORSVO	1.0	2.0	207-08-9	J		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Beryllium	0.2300	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Beryllium	0.2400	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	68.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	110.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	150.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Calcium	137000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Calcium	138000.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Cesium-137	0.0591	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Cesium-137	0.0715	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Cesium-137	0.0853	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	

71CC	CC1/271	Surface loca	19941012	Chromium	9.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Chromium	9.3000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Chrysene	36.0000	UG/KG		ORSVO	1.0	2.0	218-01-9	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Chrysene	44.0000	UG/KG		ORSVO	1.0	2.0	218-01-9	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Cobalt	5.0000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Cobalt	5.1000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Copper	9.0000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Copper	10.4000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Di-n-butyl Phthalate	250.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Di-n-butyl Phthalate	270.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Di-n-butyl Phthalate	290.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Fluoranthene	44.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Fluoranthene	77.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Fluoranthene	85.0000	UG/KG		ORSVO	1.0	2.0	206-44-0	J		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Iron	12000.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Iron	12500.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Lead	9.9000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Lead	9.9000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Magnesium	51900.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	2-Exceeds background value.
71CC	CC0/271	Surface loca	19941012	Magnesium	52500.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	2-Exceeds background value.
71CC	CC1/271	Surface loca	19941012	Manganese	331.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Manganese	348.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Methylene Chloride	4.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Methylene Chloride	4.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	BJ		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Nickel	9.0000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Nickel	9.7000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Organic Carbon	70500.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Organic Carbon	87500.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	pH	8.2700	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	pH	8.5500	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Phenanthrene	48.0000	UG/KG		ORSVO	1.0	2.0	85-01-8	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Phenanthrene	54.0000	UG/KG		ORSVO	1.0	2.0	85-01-8	J		BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Potassium	932.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Potassium	1030.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Pyrene	43.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Pyrene	95.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Pyrene	140.0000	UG/KG		ORSVO	1.0	2.0	129-00-0	J		BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Radium-224	0.8460	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Radium-224	0.9880	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Radium-224	1.0200	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Radium-226	0.4130	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Radium-226	0.5980	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Radium-226	0.6340	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Sodium	684.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
71CC	CC0/271	Surface loca	19941012	Sodium	857.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
71CC	CC0/171	Surface loca	19941012	Sulfide	31.7000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Thorium-232	0.8510	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Thorium-232	0.8610	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Thorium-232	1.1400	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Toluene	1.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Toluene	1.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Total Organic Halides	19.4000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
71CC	CC0/171	Surface loca	19941012	Total Organic Halides	26.1000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Vanadium	12.6000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Vanadium	14.2000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
71CC	CC1/271	Surface loca	19941012	Zinc	40.0000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
71CC	CC0/271	Surface loca	19941012	Zinc	55.9000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Aluminum	9880.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Arsenic	8.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
76CC	CC0/276	Surface loca	19941012	Barium	65.6000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Beryllium	0.5100	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Bis(2-ethylhexyl)phthalate	77.0000	UG/KG		ORSVO	1.0	2.0	117-81-7	J		BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Calcium	3690.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Cesium-137	0.1860	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Chromium	14.1000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Cobalt	9.6000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Copper	14.1000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Di-n-butyl Phthalate	320.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Iron	20900.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Lead	13.9000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Magnesium	2500.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Manganese	522.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Methylene Chloride	3.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	BJ		BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Nickel	15.4000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	

76CC	CC0/276	Surface loca	19941012	Organic Carbon	10300.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	Organic Carbon	11400.0000	MG/KG		GENERA	2.0	3.0	TOC			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Organic Carbon	94400.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	pH	7.5200	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	pH	7.6500	STD UN		PH	2.0	3.0	1006			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	pH	8.5900	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Plutonium-238	0.0255	PCI/G	0.0173	RAD	1.0	2.0	13981-16-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Plutonium-239/240	0.2310	PCI/G	0.0302	RAD	1.0	2.0	PU-239/240			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Potassium	885.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Radium-224	0.3560	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	Radium-224	0.9450	PCI/G	0.0000	RAD	2.0	3.0	13233-32-4			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Radium-224	0.9870	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Radium-226	0.3350	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Radium-226	1.0300	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	Radium-226	1.1400	PCI/G	0.0000	RAD	2.0	3.0	13982-63-3			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Sodium	2480.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
76CC	CC0/276	Surface loca	19941012	Thorium-228	0.9440	PCI/G	0.0276	RAD	1.0	2.0	14274-82-9			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Thorium-230	1.0700	PCI/G	0.0203	RAD	1.0	2.0	14269-63-7			BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Thorium-232	0.3500	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Thorium-232	0.8570	PCI/G	0.0136	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Thorium-232	0.9130	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	Thorium-232	1.0100	PCI/G	0.0000	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Toluene	3.0000	UG/KG		ORVOA	1.0	2.0	108-88-3	J		BLDG21	Soil	Auger, hand	
76CC	CC0/176	Surface loca	19941012	Total Organic Halides	15.5000	MG/KG		GENERA	0.0	1.0	TOX			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Total Organic Halides	27.0000	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
76CC	CC0/376	Surface loca	19941012	Total Organic Halides	43.2000	MG/KG		GENERA	2.0	3.0	TOX			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Uranium-234	0.9240	PCI/G	0.0413	RAD	1.0	2.0	13966-29-5			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Uranium-238	0.8220	PCI/G	0.0280	RAD	1.0	2.0	7440-61-1			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Vanadium	24.1000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
76CC	CC0/276	Surface loca	19941012	Zinc	46.3000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6	I		BLDG21	Soil	Auger, hand	
76NE	NE0/276	Borehole		Cesium-137	0.2280	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
76NE	NE0/176	Borehole		Cesium-137	0.2920	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
76NE	NE0/276	Borehole		Radium-224	2.1400	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
76NE	NE0/176	Borehole		Radium-224	2.1700	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
76NE	NE0/176	Borehole		Radium-226	0.8520	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
76NE	NE0/276	Borehole		Radium-226	0.9430	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
76NE	NE0/276	Borehole		Thorium-232	1.9100	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
76NE	NE0/176	Borehole		Thorium-232	2.1300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
76SE	SE0/176	Borehole		Bismuth-210	0.0073	PCI/G	0.0000	RAD	0.0	1.0	14331-79-4			BLDG21	Soil	Auger, hand	
76SE	SE0/176	Borehole		Cesium-137	0.1780	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
76SE	SE1/176	Borehole		Cesium-137	0.2690	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
76SE	SE0/176	Borehole		Europium-154	0.0067	PCI/G	0.0000	RAD	0.0	1.0	15585-10-1			BLDG21	Soil	Auger, hand	
76SE	SE0/376	Borehole		Radium-224	0.7380	PCI/G	0.0000	RAD	2.0	3.0	13233-32-4			BLDG21	Soil	Auger, hand	
76SE	SE0/176	Borehole		Radium-224	0.7420	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
76SE	SE0/276	Borehole		Radium-224	1.1600	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
76SE	SE1/176	Borehole		Radium-224	1.1600	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
76SE	SE0/176	Borehole		Radium-226	0.3540	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
76SE	SE1/176	Borehole		Radium-226	0.4500	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
76SE	SE0/376	Borehole		Radium-226	0.8710	PCI/G	0.0000	RAD	2.0	3.0	13982-63-3			BLDG21	Soil	Auger, hand	
76SE	SE0/276	Borehole		Radium-226	1.1500	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
76SE	SE0/376	Borehole		Thorium-232	0.7560	PCI/G	0.0000	RAD	2.0	3.0	7440-29-1			BLDG21	Soil	Auger, hand	
76SE	SE0/176	Borehole		Thorium-232	0.7980	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
76SE	SE1/176	Borehole		Thorium-232	1.0200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
76SE	SE0/276	Borehole		Thorium-232	1.3600	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Aluminum	9810.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Arsenic	6.7000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Barium	59.7000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Beryllium	0.5700	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Calcium	91300.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Cesium-137	0.1180	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	Cesium-137	0.2560	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Chromium	14.7000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Cobalt	7.3000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Copper	15.4000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Di-n-butyl Phthalate	160.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	BJ		BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Europium-152	0.0990	PCI/G	0.0975	RAD	1.0	2.0	14683-23-9			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Iron	17600.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Lead	17.2000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1	I		BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Magnesium	31400.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Manganese	400.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Methylene Chloride	9.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	B		BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Nickel	15.8000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	Organic Carbon	64000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	Organic Carbon	65600.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	

83CC	CC0/183	Surface loca	19941212	pH	7.7100	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	pH	7.7200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	pH	8.1500	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Potassium	1590.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Radium-224	1.5500	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	Radium-224	2.9100	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Radium-226	0.7290	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
83CC	CC0/183	Surface loca	19941212	Radium-226	0.8770	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Sodium	362.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
83CC	CC0/183	Surface loca	19941212	Sulfide	25.4000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Thorium-232	1.5200	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
83CC	CC0/183	Surface loca	19941212	Thorium-232	2.7300	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
83CC	CC0/283	Surface loca	19941212	Vanadium	19.6000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	
83CC	CC0/283	Surface loca	19941212	Zinc	208.0000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	2-Exceeds background value.
83SE	SE1/183	Borehole		Cesium-137	0.0492	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Cesium-137	0.1330	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Plutonium-238	0.3310	PCI/G	0.0639	RAD	0.0	1.0	13981-16-3			BLDG21	Soil	Auger, hand	2-Exceeds background value.
83SE	SE0/183	Borehole		Radium-224	0.7110	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Radium-224	1.0500	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Radium-226	0.5870	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Radium-226	0.8870	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Thorium-228	0.8030	PCI/G	0.0583	RAD	0.0	1.0	14274-82-9			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Thorium-228	0.9930	PCI/G	0.0425	RAD	0.0	1.0	14274-82-9			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Thorium-230	0.7230	PCI/G	0.0354	RAD	0.0	1.0	14269-63-7			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Thorium-230	1.0800	PCI/G	0.0258	RAD	0.0	1.0	14269-63-7			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Thorium-232	0.7720	PCI/G	0.0354	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Thorium-232	0.8150	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Thorium-232	0.8910	PCI/G	0.0258	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Thorium-232	1.1200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Uranium-234	0.6150	PCI/G	0.0303	RAD	0.0	1.0	13966-29-5			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Uranium-234	0.8430	PCI/G	0.0388	RAD	0.0	1.0	13966-29-5			BLDG21	Soil	Auger, hand	
83SE	SE0/183	Borehole		Uranium-238	0.5490	PCI/G	0.0267	RAD	0.0	1.0	7440-61-1			BLDG21	Soil	Auger, hand	
83SE	SE1/183	Borehole		Uranium-238	0.8440	PCI/G	0.0343	RAD	0.0	1.0	7440-61-1			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Aluminum	13500.0000	MG/KG	200.0000	INORG	1.0	2.0	7429-90-5			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Arsenic	12.2000	MG/KG	10.0000	INORG	1.0	2.0	7440-38-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
90CC	CC0/290	Surface loca	19941206	Barium	77.3000	MG/KG	200.0000	INORG	1.0	2.0	7440-39-3			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Beryllium	0.7300	MG/KG	5.0000	INORG	1.0	2.0	7440-41-7			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV.
90CC	CC0/290	Surface loca	19941206	Calcium	5620.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-70-2			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Cesium-137	0.3710	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Cesium-137	0.3800	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Cesium-137	0.5580	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90CC	CC0/290	Surface loca	19941206	Chromium	17.9000	MG/KG	10.0000	INORG	1.0	2.0	7440-47-3			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Cobalt	9.8000	MG/KG	50.0000	INORG	1.0	2.0	7440-48-4			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Copper	19.3000	MG/KG	25.0000	INORG	1.0	2.0	7440-50-8			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Cyanide	1.6700	MG/KG		INORG	1.0	2.0	57-12-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
90CC	CC0/290	Surface loca	19941206	Di-n-butyl Phthalate	440.0000	UG/KG		ORSVO	1.0	2.0	84-74-2	B		BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Iron	23900.0000	MG/KG	100.0000	INORG	1.0	2.0	7439-89-6			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Lead	21.7000	MG/KG	3.0000	INORG	1.0	2.0	7439-92-1			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Magnesium	3810.0000	MG/KG	5000.0000	INORG	1.0	2.0	7439-95-4			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Manganese	367.0000	MG/KG	15.0000	INORG	1.0	2.0	7439-96-5			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Methylene Chloride	150.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	B		BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Methylene Chloride	160.0000	UG/KG		ORVOA	1.0	2.0	75-09-2	B		BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Nickel	19.1000	MG/KG	40.0000	INORG	1.0	2.0	7440-02-0			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Organic Carbon	8010.0000	MG/KG		GENERA	1.0	2.0	TOC			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Organic Carbon	67000.0000	MG/KG		GENERA	0.0	1.0	TOC			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	pH	7.1800	STD UN		PH	1.0	2.0	1006			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	pH	8.3200	STD UN		PH	0.0	1.0	1006			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Potassium	1350.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-09-7			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Radium-224	1.9700	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Radium-224	2.3700	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Radium-224	2.5400	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Radium-226	0.4870	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
90CC	CC0/190	Surface loca	19941206	Radium-226	0.5140	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Radium-226	0.8230	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Silver	1.7000	MG/KG	10.0000	INORG	1.0	2.0	7440-22-4			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Sodium	2970.0000	MG/KG	5000.0000	INORG	1.0	2.0	7440-23-5			BLDG21	Soil	Auger, hand	2-Exceeds background value.
90CC	CC0/190	Surface loca	19941206	Sulfide	28.9000	MG/KG		ANION	0.0	1.0	18496-25-8			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Thorium-232	1.7600	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90CC	CC0/190	Surface loca	19941206	Thorium-232	2.2000	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90CC	CC0/190	Surface loca	19941206	Thorium-232	2.5100	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90CC	CC0/290	Surface loca	19941206	Total Organic Halides	7.5200	MG/KG		GENERA	1.0	2.0	TOX			BLDG21	Soil	Auger, hand	
90CC	CC0/290	Surface loca	19941206	Vanadium	31.2000	MG/KG	50.0000	INORG	1.0	2.0	7440-62-2			BLDG21	Soil	Auger, hand	2-Exceeds background value.
90CC	CC0/290	Surface loca	19941206	Zinc	84.9000	MG/KG	20.0000	INORG	1.0	2.0	7440-66-6			BLDG21	Soil	Auger, hand	
90NE	NE0/290	Borehole		Cesium-137	0.2760	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	

90NE	NE0/190	Borehole		Cesium-137	0.2810	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Cesium-137	0.3000	PCI/G	0.0000	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Europium-154	0.1990	PCI/G	0.1610	RAD	0.0	1.0	15585-10-1			BLDG21	Soil	Auger, hand	
90NE	NE0/290	Borehole		Radium-224	2.3900	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Radium-224	3.5600	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Radium-224	3.5900	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Radium-226	0.9110	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
90NE	NE0/190	Borehole		Radium-226	0.9470	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
90NE	NE0/290	Borehole		Radium-226	0.9500	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
90NE	NE0/290	Borehole		Thorium-232	2.5500	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90NE	NE0/190	Borehole		Thorium-232	3.7200	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
90NE	NE0/190	Borehole		Thorium-232	3.8000	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
90SE	SE0/190	Borehole		Cesium-137	0.0289	PCI/G	0.0284	RAD	0.0	1.0	10045-97-3			BLDG21	Soil	Auger, hand	
90SE	SE0/290	Borehole		Cesium-137	0.4800	PCI/G	0.0000	RAD	1.0	2.0	10045-97-3			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
90SE	SE0/190	Borehole		Radium-224	0.2290	PCI/G	0.0000	RAD	0.0	1.0	13233-32-4			BLDG21	Soil	Auger, hand	
90SE	SE0/290	Borehole		Radium-224	5.2300	PCI/G	0.0000	RAD	1.0	2.0	13233-32-4			BLDG21	Soil	Auger, hand	
90SE	SE0/190	Borehole		Radium-226	0.3540	PCI/G	0.0000	RAD	0.0	1.0	13982-63-3			BLDG21	Soil	Auger, hand	
90SE	SE0/290	Borehole		Radium-226	0.6270	PCI/G	0.0000	RAD	1.0	2.0	13982-63-3			BLDG21	Soil	Auger, hand	
90SE	SE0/190	Borehole		Thorium-232	0.2150	PCI/G	0.0000	RAD	0.0	1.0	7440-29-1			BLDG21	Soil	Auger, hand	
90SE	SE0/290	Borehole		Thorium-232	5.2700	PCI/G	0.0000	RAD	1.0	2.0	7440-29-1			BLDG21	Soil	Auger, hand	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
B398	B39801	Borehole	19940622	2,4,6-Trinitrotoluene	0.1100	MG/KG		OREXP	0.0	0.5	118-96-7	J	J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Aluminum	2640.0000	MG/KG		INORG	0.0	0.5	7429-90-5			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Arsenic	7.3000	MG/KG		INORG	0.0	0.5	7440-38-2			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Barium	10.0000	MG/KG		INORG	0.0	0.5	7440-39-3			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Beryllium	0.1200	MG/KG		INORG	0.0	0.5	7440-41-7	B		34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Bismuth	18.8000	MG/KG		INORG	0.0	0.5	7440-69-9	B		34897	Soil	Split spoon	2-Exceeds background value.
B398	B39801	Borehole	19940622	Calcium	2050.0000	MG/KG		INORG	0.0	0.5	7440-70-2			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Chloride	320.0000	MG/KG		ANION	0.0	0.5	16887-00-6		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Chromium	3.5000	MG/KG		INORG	0.0	0.5	7440-47-3			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Cobalt	2.7000	MG/KG		INORG	0.0	0.5	7440-48-4	B		34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Copper	4.2000	MG/KG		INORG	0.0	0.5	7440-50-8			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Delta-BHC	0.1700	UG/KG		ORPPB	0.0	0.5	319-86-8	JP	J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Fluoride	5.6800	MG/KG		ANION	0.0	0.5	16984-48-8		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Iron	5480.0000	MG/KG		INORG	0.0	0.5	7439-89-6			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Lead	10.0000	MG/KG		INORG	0.0	0.5	7439-92-1	N	J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Lithium	2.3000	MG/KG		INORG	0.0	0.5	7439-93-2	B		34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Magnesium	1160.0000	MG/KG		INORG	0.0	0.5	7439-95-4			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Manganese	152.0000	MG/KG		INORG	0.0	0.5	7439-96-5			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Molybdenum	4.6000	MG/KG		INORG	0.0	0.5	7439-98-7	N	J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Nickel	4.4000	MG/KG		INORG	0.0	0.5	7440-02-0			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Nitrate/Nitrite	4.1200	MG/KG		ANION	0.0	0.5	1497-55-8		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Organic Carbon	6970.0000	MG/KG		GENERA	0.0	0.5	TOC		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Organic Carbon	8650.0000	MG/KG		GENERA	0.0	0.5	TOC		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Organic Carbon	11000.0000	MG/KG		GENERA	0.0	0.5	TOC		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Organic Carbon	13900.0000	MG/KG		GENERA	0.0	0.5	TOC		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Plutonium-238	0.1200	PCI/G		RAD	0.0	0.5	13981-16-3			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Plutonium-238	34.0000	PCI/G		RAD	0.0	0.5	13981-16-3			34897	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
B398	B39801	Borehole	19940622	Plutonium-238	40.0000	PCI/G		RAD	0.0	0.5	13981-16-3			34897	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
B398	B39801	Borehole	19940622	Potassium	372.0000	MG/KG		INORG	0.0	0.5	7440-09-7			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Potassium-40	16.4000	PCI/G		RAD	0.0	0.5	13966-00-2			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Radium-226	0.9200	PCI/G		RAD	0.0	0.5	13982-63-3			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Sodium	155.0000	MG/KG		INORG	0.0	0.5	7440-23-5	B		34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Sulfate	1370.0000	MG/KG		ANION	0.0	0.5	14808-79-8			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Thorium-228	1.7700	PCI/G		RAD	0.0	0.5	14274-82-9			34897	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
B398	B39801	Borehole	19940622	Thorium-230	1.8500	PCI/G		RAD	0.0	0.5	14269-63-7			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Thorium-232	1.4400	PCI/G		RAD	0.0	0.5	7440-29-1			34897	Soil	Split spoon	2-Exceeds background value.
B398	B39801	Borehole	19940622	Thorium-232	2.9000	PCI/G		RAD	0.0	0.5	7440-29-1			34897	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
B398	B39801	Borehole	19940622	Uranium-235	0.0700	PCI/G		RAD	0.0	0.5	15117-96-1		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Uranium-238	0.9100	PCI/G		RAD	0.0	0.5	7440-61-1		J	34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Vanadium	5.7000	MG/KG		INORG	0.0	0.5	7440-62-2			34897	Soil	Split spoon	
B398	B39801	Borehole	19940622	Zinc	15.1000	MG/KG		INORG	0.0	0.5	7440-66-6			34897	Soil	Split spoon	
BH0441	296-01	Borehole	19840403	Thorium-232	2.6000	PCI/G	1.0000	RAD	1.0	1.0	7440-29-1			WASTEBUI	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
C0217	2704	Borehole	19830901	Plutonium-238	0.0600	PCI/G	0.0100	RAD	2.5	2.5	13981-16-3			RSS	Soil	Not Applicable	
C0219	2698	Borehole	19830801	Plutonium-238	0.0200	PCI/G	0.0100	RAD	2.5	2.5	13981-16-3			RSS	Soil	Not Applicable	
C0219	2699	Borehole	19830901	Radium-226	0.8000	PCI/G		RAD	5.0	5.0	13982-63-3			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.3000	PCI/G		RAD	4.0	4.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.3000	PCI/G		RAD	6.0	6.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	5.0	5.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	8.0	8.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	10.0	10.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.5000	PCI/G		RAD	2.0	2.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.6000	PCI/G		RAD	3.0	3.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	0.6000	PCI/G		RAD	0.0	0.0	7440-29-1			RSS	Soil	Not Applicable	
C0271	Noned	Borehole	19840401	Thorium-232	2.8000	PCI/G		RAD	1.0	1.0	7440-29-1			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value.

C0281	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	0.0	0.0	7440-29-1			RSS	Soil	Not Applicable	
C0281	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	2.0	2.0	7440-29-1			RSS	Soil	Not Applicable	
C0281	Noned	Borehole	19840401	Thorium-232	0.4000	PCI/G		RAD	3.0	3.0	7440-29-1			RSS	Soil	Not Applicable	
C0281	Noned	Borehole	19840401	Thorium-232	0.5000	PCI/G		RAD	4.0	4.0	7440-29-1			RSS	Soil	Not Applicable	
C0281	Noned	Borehole	19840401	Thorium-232	1.0000	PCI/G		RAD	1.0	1.0	7440-29-1			RSS	Soil	Not Applicable	
G25591	G25591	Borehole	19990526	Plutonium-238	1.7400	PCI/G	0.0680	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
G25591	G25591	Borehole	19990526	Plutonium-239	0.0330	PCI/G	0.0400	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
G25591	G25591	Borehole	19990526	Thorium-228	1.4000	PCI/G	0.0370	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
G25591	G25591	Borehole	19990526	Thorium-230	1.1200	PCI/G	0.0070	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
G25591	G25591	Borehole	19990526	Thorium-232	1.3800	PCI/G	0.0180	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
H22731	H22731	Borehole	19990526	Plutonium-238	8.1700	PCI/G	0.0570	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
H22731	H22731	Borehole	19990526	Plutonium-239	0.0480	PCI/G	0.0360	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
H22731	H22731	Borehole	19990526	Thorium-228	0.8600	PCI/G	0.0610	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
H22731	H22731	Borehole	19990526	Thorium-230	0.8800	PCI/G	0.0320	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
H22731	H22731	Borehole	19990526	Thorium-232	1.7300	PCI/G	0.0320	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
H24741	H24741	Borehole	19990601	Plutonium-238	10.2000	PCI/G	0.0320	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
H24741	H24741	Borehole	19990601	Plutonium-239	0.1700	PCI/G	0.0220	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
H24741	H24741	Borehole	19990601	Thorium-228	1.3600	PCI/G	0.0410	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
H24741	H24741	Borehole	19990601	Thorium-230	0.9500	PCI/G	0.0310	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
H24741	H24741	Borehole	19990601	Thorium-232	1.1300	PCI/G	0.0070	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
H26751	H26751	Borehole	19990526	Plutonium-238	0.9100	PCI/G	0.0460	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
H26751	H26751	Borehole	19990526	Plutonium-239	0.0630	PCI/G	0.0200	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
H26751	H26751	Borehole	19990526	Thorium-228	1.2000	PCI/G	0.0410	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
H26751	H26751	Borehole	19990526	Thorium-230	1.2400	PCI/G	0.0550	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
H26751	H26751	Borehole	19990526	Thorium-232	1.2700	PCI/G	0.0390	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
H28761	H28761	Borehole	19990526	Plutonium-238	1.6400	PCI/G	0.0380	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
H28761	H28761	Borehole	19990526	Plutonium-239	0.0920	PCI/G	0.0260	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
H28761	H28761	Borehole	19990526	Thorium-228	0.8500	PCI/G	0.0480	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
H28761	H28761	Borehole	19990526	Thorium-230	0.9000	PCI/G	0.0310	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
H28761	H28761	Borehole	19990526	Thorium-232	0.7800	PCI/G	0.0360	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Aluminum	3630.0000	MG/KG	41.1000	INORG	0.0	0.3	7429-90-5			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Arsenic	5.0000	MG/KG	2.1000	INORG	0.0	0.3	7440-38-2			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Barium	29.4000	MG/KG	41.1000	INORG	0.0	0.3	7440-39-3	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Beryllium	0.5300	MG/KG	1.0000	INORG	0.0	0.3	7440-41-7	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Bis(2-ethylhexyl)phthalate	200.0000	UG/KG	340.0000	ORSVO	0.0	0.3	117-81-7	BJ	J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Bismuth	33.7000	MG/KG	41.1000	INORG	0.0	0.3	7440-69-9	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Butyl Benzyl Phthalate	17.0000	UG/KG	340.0000	ORSVO	0.0	0.3	85-68-7	J	J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Calcium	181000.0000	MG/KG	5130.0000	INORG	0.0	0.3	7440-70-2		J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Chloride	2.5000	MG/KG	2.0300	ANION	0.0	0.3	16887-00-6		J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Chromium	8.8000	MG/KG	2.1000	INORG	0.0	0.3	7440-47-3			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Cobalt	3.2000	MG/KG	10.3000	INORG	0.0	0.3	7440-48-4	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Copper	7.2000	MG/KG	5.1000	INORG	0.0	0.3	7440-50-8			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Cyanide	0.4900	MG/KG	0.5100	INORG	0.0	0.3	57-12-5	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Fluoranthene	53.0000	UG/KG	340.0000	ORSVO	0.0	0.3	206-44-0	J	J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Fluoranthene	59.0000	UG/KG	340.0000	ORSVO	0.0	0.3	206-44-0	J		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Fluoride	1.1400	MG/KG	1.0100	ANION	0.0	0.3	16984-48-8		J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Iron	9290.0000	MG/KG	20.5000	INORG	0.0	0.3	7439-89-6			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Lead	19.9000	MG/KG	0.6200	INORG	0.0	0.3	7439-92-1			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Lithium	6.2000	MG/KG	10.3000	INORG	0.0	0.3	7439-93-2	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Magnesium	87200.0000	MG/KG	1030.0000	INORG	0.0	0.3	7439-95-4			PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Manganese	259.0000	MG/KG	3.1000	INORG	0.0	0.3	7439-96-5			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Molybdenum	2.2000	MG/KG	8.2000	INORG	0.0	0.3	7439-98-7	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Nickel	3.8000	MG/KG	8.2000	INORG	0.0	0.3	7440-02-0	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Nitrate/Nitrite	1.4200	MG/KG	0.2000	ANION	0.0	0.3	1497-55-8			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Plutonium-238	1.1600	PCI/G	0.0490	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Plutonium-239	0.0050	PCI/G	0.0070	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Potassium	759.0000	MG/KG	1030.0000	INORG	0.0	0.3	7440-09-7	B		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Pyrene	64.0000	UG/KG	340.0000	ORSVO	0.0	0.3	129-00-0	J	J	PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Pyrene	78.0000	UG/KG	340.0000	ORSVO	0.0	0.3	129-00-0	J		PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Sodium	255.0000	MG/KG	1030.0000	INORG	0.0	0.3	7440-23-5	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Sulfate	24.5000	MG/KG	5.0700	ANION	0.0	0.3	14808-79-8			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Thallium	0.8500	MG/KG	2.1000	INORG	0.0	0.3	7440-28-0	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I07801	I07801	Borehole	19990601	Thorium-228	1.6700	PCI/G	0.0430	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I07801	I07801	Borehole	19990601	Thorium-230	0.5900	PCI/G	0.0080	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Thorium-232	1.8000	PCI/G	0.0210	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I07801	I07801	Borehole	19990601	Vanadium	15.3000	MG/KG	10.3000	INORG	0.0	0.3	7440-62-2			PRS407VE	Soil	Scoop	
I07801	I07801	Borehole	19990601	Zinc	72.6000	MG/KG	4.1000	INORG	0.0	0.3	7440-66-6			PRS407VE	Soil	Scoop	
I09811	I09811	Borehole	19990601	Plutonium-238	0.1100	PCI/G	0.0370	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	
I09811	I09811	Borehole	19990601	Plutonium-239	0.0220	PCI/G	0.0180	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
I09811	I09811	Borehole	19990601	Thorium-228	1.3600	PCI/G	0.0400	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
I09811	I09811	Borehole	19990601	Thorium-230	1.3000	PCI/G	0.0160	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I09811	I09811	Borehole	19990601	Thorium-232	1.1100	PCI/G	0.0250	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Aluminum	11200.0000	MG/KG	44.6000	INORG	0.0	0.3	7429-90-5			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Arsenic	10.8000	MG/KG	2.2000	INORG	0.0	0.3	7440-38-2			PRS407VE	Soil	Scoop	2-Exceeds background value.

I11821	I11821	Borehole	19990601	Barium	72.8000	MG/KG	44.6000	INORG	0.0	0.3	7440-39-3			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Beryllium	0.9400	MG/KG	1.1000	INORG	0.0	0.3	7440-41-7	B		PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV.
I11821	I11821	Borehole	19990601	Bis(2-ethylhexyl)phthalate	48.0000	UG/KG	370.0000	ORSVO	0.0	0.3	117-81-7	J		PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Bis(2-ethylhexyl)phthalate	230.0000	UG/KG	360.0000	ORSVO	0.0	0.3	117-81-7	BJ	J	PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Bismuth	55.7000	MG/KG	44.6000	INORG	0.0	0.3	7440-69-9			PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Calcium	79600.0000	MG/KG	1120.0000	INORG	0.0	0.3	7440-70-2		J	PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Chloride	3.4000	MG/KG	2.1600	ANION	0.0	0.3	16887-00-6		J	PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Chromium	15.2000	MG/KG	2.2000	INORG	0.0	0.3	7440-47-3			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Cobalt	8.7000	MG/KG	11.2000	INORG	0.0	0.3	7440-48-4	B		PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Copper	19.2000	MG/KG	5.6000	INORG	0.0	0.3	7440-50-8			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Fluoride	3.9100	MG/KG	1.0800	ANION	0.0	0.3	16984-48-8		J	PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Iron	22500.0000	MG/KG	22.3000	INORG	0.0	0.3	7439-89-6			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Lead	12.0000	MG/KG	0.6700	INORG	0.0	0.3	7439-92-1			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Lithium	12.5000	MG/KG	11.2000	INORG	0.0	0.3	7439-93-2			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Magnesium	38700.0000	MG/KG	1120.0000	INORG	0.0	0.3	7439-95-4			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Manganese	477.0000	MG/KG	3.3000	INORG	0.0	0.3	7439-96-5			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Mercury	0.0600	MG/KG	0.1100	INORG	0.0	0.3	7439-97-6	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Molybdenum	3.7000	MG/KG	8.9000	INORG	0.0	0.3	7439-98-7	B		PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Nickel	19.3000	MG/KG	8.9000	INORG	0.0	0.3	7440-02-0			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Nitrate/Nitrite	2.0700	MG/KG	0.2200	ANION	0.0	0.3	1497-55-8			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Plutonium-238	0.1600	PCI/G	0.0480	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Plutonium-239	0.0180	PCI/G	0.0310	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Potassium	1280.0000	MG/KG	1120.0000	INORG	0.0	0.3	7440-09-7			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Selenium	0.8400	MG/KG	1.1000	INORG	0.0	0.3	7782-49-2	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Sodium	222.0000	MG/KG	1120.0000	INORG	0.0	0.3	7440-23-5	B		PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Sulfate	18.6000	MG/KG	5.4100	ANION	0.0	0.3	14808-79-8			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Thallium	1.6000	MG/KG	2.2000	INORG	0.0	0.3	7440-28-0	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Thorium-228	1.3000	PCI/G	0.0300	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Thorium-230	1.4700	PCI/G	0.0220	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Thorium-232	1.3400	PCI/G	0.0050	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
I11821	I11821	Borehole	19990601	Vanadium	26.4000	MG/KG	11.2000	INORG	0.0	0.3	7440-62-2			PRS407VE	Soil	Scoop	2-Exceeds background value.
I11821	I11821	Borehole	19990601	Zinc	55.5000	MG/KG	4.5000	INORG	0.0	0.3	7440-66-6			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Aluminum	9270.0000	MG/KG	46.6000	INORG	0.0	0.3	7429-90-5			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Arsenic	6.1000	MG/KG	2.3000	INORG	0.0	0.3	7440-38-2			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Barium	64.3000	MG/KG	46.6000	INORG	0.0	0.3	7440-39-3			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Benzo(a)pyrene	57.0000	UG/KG	380.0000	ORSVO	0.0	0.3	50-32-8	BJ		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Benzo(b)fluoranthene	53.0000	UG/KG	380.0000	ORSVO	0.0	0.3	205-99-2	BJ		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Benzo(k)fluoranthene	41.0000	UG/KG	380.0000	ORSVO	0.0	0.3	207-08-9	BJ		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Beryllium	0.8700	MG/KG	1.2000	INORG	0.0	0.3	7440-41-7	B		PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV.
I13831	I13831	Borehole	19990601	Bis(2-ethylhexyl)phthalate	200.0000	UG/KG	380.0000	ORSVO	0.0	0.3	117-81-7	BJ	J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Bismuth	36.9000	MG/KG	46.6000	INORG	0.0	0.3	7440-69-9	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I13831	I13831	Borehole	19990601	Calcium	135000.0000	MG/KG	1160.0000	INORG	0.0	0.3	7440-70-2		J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Chloride	8.2000	MG/KG	2.3000	ANION	0.0	0.3	16887-00-6		J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Chromium	14.4000	MG/KG	2.3000	INORG	0.0	0.3	7440-47-3			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Chrysene	49.0000	UG/KG	380.0000	ORSVO	0.0	0.3	218-01-9	J		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Cobalt	8.2000	MG/KG	11.6000	INORG	0.0	0.3	7440-48-4	B		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Copper	13.1000	MG/KG	5.8000	INORG	0.0	0.3	7440-50-8			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Cyanide	0.2100	MG/KG	0.5800	INORG	0.0	0.3	57-12-5	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I13831	I13831	Borehole	19990601	Fluoranthene	64.0000	UG/KG	380.0000	ORSVO	0.0	0.3	206-44-0	J	J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Fluoranthene	82.0000	UG/KG	380.0000	ORSVO	0.0	0.3	206-44-0	J		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Fluoride	1.6100	MG/KG	1.1500	ANION	0.0	0.3	16984-48-8		J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Indeno(1,2,3-cd)pyrene	52.0000	UG/KG	380.0000	ORSVO	0.0	0.3	193-39-5	J		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Iron	18700.0000	MG/KG	23.3000	INORG	0.0	0.3	7439-89-6			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Lead	17.8000	MG/KG	0.7000	INORG	0.0	0.3	7439-92-1			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Lithium	12.7000	MG/KG	11.6000	INORG	0.0	0.3	7439-93-2			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Magnesium	18700.0000	MG/KG	1160.0000	INORG	0.0	0.3	7439-95-4			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Manganese	525.0000	MG/KG	3.5000	INORG	0.0	0.3	7439-96-5			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Molybdenum	2.9000	MG/KG	9.3000	INORG	0.0	0.3	7439-98-7	B		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Nickel	13.5000	MG/KG	9.3000	INORG	0.0	0.3	7440-02-0			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Nitrate/Nitrite	3.8400	MG/KG	0.2300	ANION	0.0	0.3	1497-55-8			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Plutonium-238	38.4000	PCI/G	0.0520	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I13831	I13831	Borehole	19990601	Plutonium-239	0.6700	PCI/G	0.0190	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
I13831	I13831	Borehole	19990601	Potassium	1690.0000	MG/KG	1160.0000	INORG	0.0	0.3	7440-09-7			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Pyrene	56.0000	UG/KG	380.0000	ORSVO	0.0	0.3	129-00-0	J	J	PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Pyrene	82.0000	UG/KG	380.0000	ORSVO	0.0	0.3	129-00-0	J		PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Sodium	247.0000	MG/KG	1160.0000	INORG	0.0	0.3	7440-23-5	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I13831	I13831	Borehole	19990601	Sulfate	17.4000	MG/KG	5.7400	ANION	0.0	0.3	14808-79-8			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Thallium	1.1000	MG/KG	2.3000	INORG	0.0	0.3	7440-28-0	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
I13831	I13831	Borehole	19990601	Thorium-228	4.5200	PCI/G	0.0730	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I13831	I13831	Borehole	19990601	Thorium-230	1.4000	PCI/G	0.0290	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Thorium-232	5.2400	PCI/G	0.0470	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I13831	I13831	Borehole	19990601	Vanadium	22.8000	MG/KG	11.6000	INORG	0.0	0.3	7440-62-2			PRS407VE	Soil	Scoop	
I13831	I13831	Borehole	19990601	Zinc	81.1000	MG/KG	4.7000	INORG	0.0	0.3	7440-66-6			PRS407VE	Soil	Scoop	
I15841	I15841	Borehole	19990526	Plutonium-238	0.6400	PCI/G	0.0490	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.

I15841	I15841	Borehole	19990526	Plutonium-239	0.0030	PCI/G	0.0390	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
I15841	I15841	Borehole	19990526	Thorium-228	0.3300	PCI/G	0.0380	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
I15841	I15841	Borehole	19990526	Thorium-230	0.7500	PCI/G	0.0200	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I15841	I15841	Borehole	19990526	Thorium-232	0.3300	PCI/G	0.0250	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
I19	I19	Borehole	19990913	Plutonium-238	12.7000	PCI/G	0.1300	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I19	I19	Borehole	19990913	Plutonium-239/240	0.2600	PCI/G	0.0830	RAD	0.0	0.3	PU-239/240			PRS407VE	Soil	Scoop	
I19861	I19861	Borehole	19990526	Plutonium-238	228.0000	PCI/G	0.0510	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I19861	I19861	Borehole	19990526	Plutonium-239	1.5200	PCI/G	0.0070	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
I19861	I19861	Borehole	19990526	Thorium-228	15.8000	PCI/G	0.0370	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I19861	I19861	Borehole	19990526	Thorium-230	2.5900	PCI/G	0.0420	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I19861	I19861	Borehole	19990526	Thorium-232	16.1000	PCI/G	0.0230	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
I21871	I21871	Borehole	19990526	Plutonium-238	15.1000	PCI/G	0.0510	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I21871	I21871	Borehole	19990526	Plutonium-239	0.1100	PCI/G	0.0220	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
I21871	I21871	Borehole	19990526	Thorium-228	2.3500	PCI/G	0.0250	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
I21871	I21871	Borehole	19990526	Thorium-230	1.3400	PCI/G	0.0280	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
I21871	I21871	Borehole	19990526	Thorium-232	2.2700	PCI/G	0.0270	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
IJ19/18	IJ19/18	Borehole	19990913	Plutonium-238	1.8100	PCI/G	0.0480	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
IJ19/18	IJ19/18	Borehole	19990913	Plutonium-238	6.6900	PCI/G	0.0540	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
IJ19/18	IJ19/18	Borehole	19990913	Plutonium-239/240	0.0260	PCI/G	0.0210	RAD	0.0	0.3	PU-239/240			PRS407VE	Soil	Scoop	
IJ19/18	IJ19/18	Borehole	19990913	Plutonium-239/240	6.0800	PCI/G	0.0690	RAD	0.0	0.3	PU-239/240			PRS407VE	Soil	Scoop	
IJ19/20	IJ19/20	Borehole	19990913	Plutonium-238	18.0000	PCI/G	0.1000	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
IJ19/20	IJ19/20	Borehole	19990913	Plutonium-239/240	0.2600	PCI/G	0.0630	RAD	0.0	0.3	PU-239/240			PRS407VE	Soil	Scoop	
IJ7/8-J080	IJ7/8-J0801	Borehole	19991115	Thorium-228	3.2800	PCI/G	0.0440	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
IJ7/8-J080	IJ7/8-J0801	Borehole	19991115	Thorium-230	1.4900	PCI/G	0.0220	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
IJ7/8-J080	IJ7/8-J0801	Borehole	19991115	Thorium-232	2.8000	PCI/G	0.0080	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
IJ8/9-J080	IJ8/9-J0804	Borehole	19991115	Thorium-228	3.5900	PCI/G	0.0490	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
IJ8/9-J080	IJ8/9-J0804	Borehole	19991115	Thorium-230	1.5100	PCI/G	0.0550	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
IJ8/9-J080	IJ8/9-J0804	Borehole	19991115	Thorium-232	3.8200	PCI/G	0.0210	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
J06891	J06891	Borehole	19990601	Plutonium-238	0.7800	PCI/G	0.0390	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
J06891	J06891	Borehole	19990601	Plutonium-239	0.0000	PCI/G	0.0190	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
J06891	J06891	Borehole	19990601	Thorium-228	0.8400	PCI/G	0.0420	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
J06891	J06891	Borehole	19990601	Thorium-230	0.6200	PCI/G	0.0160	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J06891	J06891	Borehole	19990601	Thorium-232	0.8100	PCI/G	0.0060	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
J08901	J08901	Borehole	19990601	Plutonium-238	3.1800	PCI/G	0.0490	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
J08901	J08901	Borehole	19990601	Plutonium-239	0.1100	PCI/G	0.0070	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
J08901	J08901	Borehole	19990601	Thorium-228	8.3200	PCI/G	0.0250	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
J08901	J08901	Borehole	19990601	Thorium-230	1.7300	PCI/G	0.0050	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J08901	J08901	Borehole	19990601	Thorium-232	8.3700	PCI/G	0.0130	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
J10911	J10911	Borehole	19990601	Aluminum	525.0000	MG/KG	203.0000	INORG	0.0	0.3	7429-90-5			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Arsenic	2.2000	MG/KG	2.0000	INORG	0.0	0.3	7440-38-2			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Barium	8.0000	MG/KG	203.0000	INORG	0.0	0.3	7440-39-3	B		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Benzo(a)anthracene	45.0000	UG/KG	340.0000	ORSVO	0.0	0.3	56-55-3	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Benzo(a)pyrene	43.0000	UG/KG	340.0000	ORSVO	0.0	0.3	50-32-8	BJ		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Benzo(b)fluoranthene	41.0000	UG/KG	340.0000	ORSVO	0.0	0.3	205-99-2	BJ		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Benzo(g,h,i)perylene	36.0000	UG/KG	340.0000	ORSVO	0.0	0.3	191-24-2	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Benzo(k)fluoranthene	43.0000	UG/KG	340.0000	ORSVO	0.0	0.3	207-08-9	BJ		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Beryllium	0.7800	MG/KG	5.1000	INORG	0.0	0.3	7440-41-7	B		PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV.
J10911	J10911	Borehole	19990601	Bis(2-ethylhexyl)phthalate	140.0000	UG/KG	340.0000	ORSVO	0.0	0.3	117-81-7	BJ	J	PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Bismuth	111.0000	MG/KG	203.0000	INORG	0.0	0.3	7440-69-9	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
J10911	J10911	Borehole	19990601	Calcium	303000.0000	MG/KG	5080.0000	INORG	0.0	0.3	7440-70-2		J	PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Chloride	2.9900	MG/KG	2.0100	ANION	0.0	0.3	16887-00-6		J	PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Chrysene	48.0000	UG/KG	340.0000	ORSVO	0.0	0.3	218-01-9	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Diethyl Phthalate	54.0000	UG/KG	340.0000	ORSVO	0.0	0.3	84-66-2	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Fluoranthene	120.0000	UG/KG	340.0000	ORSVO	0.0	0.3	206-44-0	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Fluoride	0.6900	MG/KG	1.0000	ANION	0.0	0.3	16984-48-8	B	J	PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Iron	9860.0000	MG/KG	102.0000	INORG	0.0	0.3	7439-89-6			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Lead	1.0000	MG/KG	0.6100	INORG	0.0	0.3	7439-92-1			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Magnesium	47300.0000	MG/KG	1020.0000	INORG	0.0	0.3	7439-95-4			PRS407VE	Soil	Scoop	2-Exceeds background value.
J10911	J10911	Borehole	19990601	Manganese	426.0000	MG/KG	15.2000	INORG	0.0	0.3	7439-96-5			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Nitrate/Nitrite	1.1400	MG/KG	0.2000	ANION	0.0	0.3	1497-55-8			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Phenanthrene	85.0000	UG/KG	340.0000	ORSVO	0.0	0.3	85-01-8	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Plutonium-238	0.1200	PCI/G	0.0450	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Plutonium-239	0.0080	PCI/G	0.0200	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Pyrene	95.0000	UG/KG	340.0000	ORSVO	0.0	0.3	129-00-0	J		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Sodium	200.0000	MG/KG	5080.0000	INORG	0.0	0.3	7440-23-5	B		PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Sulfate	12.2000	MG/KG	5.0200	ANION	0.0	0.3	14808-79-8			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Thorium-228	0.0880	PCI/G	0.0300	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Thorium-230	0.2300	PCI/G	0.0340	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Thorium-232	0.0820	PCI/G	0.0320	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
J10911	J10911	Borehole	19990601	Vanadium	25.7000	MG/KG	50.8000	INORG	0.0	0.3	7440-62-2	B		PRS407VE	Soil	Scoop	2-Exceeds background value.
J10911	J10911	Borehole	19990601	Zinc	11.7000	MG/KG	20.3000	INORG	0.0	0.3	7440-66-6	B		PRS407VE	Soil	Scoop	
J12921	J12921	Borehole	19990601	Plutonium-238	2.2300	PCI/G	0.0340	RAD	0.0	0.3	13981-16-3			PRS407VE	Soil	Scoop	2-Exceeds background value.
J12921	J12921	Borehole	19990601	Plutonium-239	0.0360	PCI/G	0.0210	RAD	0.0	0.3	15117-48-3			PRS407VE	Soil	Scoop	
J12921	J12921	Borehole	19990601	Thorium-228	4.1700	PCI/G	0.0490	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.

J12921	J12921	Borehole	19990601	Thorium-230	1.1700	PCI/G	0.0190	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J12921	J12921	Borehole	19990601	Thorium-232	4.0800	PCI/G	0.0230	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
J7/8-J0802	J7/8-J0802	Borehole	19991115	Thorium-228	1.4200	PCI/G	0.0590	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
J7/8-J0802	J7/8-J0802	Borehole	19991115	Thorium-230	1.4600	PCI/G	0.0390	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J7/8-J0802	J7/8-J0802	Borehole	19991115	Thorium-232	1.2900	PCI/G	0.0090	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	
J8/9-J0803	J8/9-J0803	Borehole	19991115	Thorium-228	1.8100	PCI/G	0.0600	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
J8/9-J0803	J8/9-J0803	Borehole	19991115	Thorium-230	1.6000	PCI/G	0.0220	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J8/9-J0803	J8/9-J0803	Borehole	19991115	Thorium-232	1.7200	PCI/G	0.0270	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
J8-J0805	J8-J0805	Borehole	19991115	Thorium-228	1.3400	PCI/G	0.0620	RAD	0.0	0.3	14274-82-9			PRS407VE	Soil	Scoop	
J8-J0805	J8-J0805	Borehole	19991115	Thorium-230	1.4000	PCI/G	0.0350	RAD	0.0	0.3	14269-63-7			PRS407VE	Soil	Scoop	
J8-J0805	J8-J0805	Borehole	19991115	Thorium-232	1.4300	PCI/G	0.0270	RAD	0.0	0.3	7440-29-1			PRS407VE	Soil	Scoop	2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Aluminum	6950.0000	MG/KG		INORG	0.0	2.0	7429-90-5			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Arsenic	6.1000	MG/KG		INORG	0.0	2.0	7440-38-2			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Barium	434.0000	MG/KG		INORG	0.0	2.0	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Beryllium	1.4000	MG/KG		INORG	0.0	2.0	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Cadmium	5.9000	MG/KG		INORG	0.0	2.0	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Calcium	91200.0000	MG/KG		INORG	0.0	2.0	7440-70-2			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Chromium	32.8000	MG/KG		INORG	0.0	2.0	7440-47-3	E		OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Cobalt	14.0000	MG/KG		INORG	0.0	2.0	7440-48-4			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Copper	12.1000	MG/KG		INORG	0.0	2.0	7440-50-8			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Iron	15200.0000	MG/KG		INORG	0.0	2.0	7439-89-6			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Lead	20.5000	MG/KG		INORG	0.0	2.0	7439-92-1			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Magnesium	34800.0000	MG/KG		INORG	0.0	2.0	7439-95-4			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Manganese	329.0000	MG/KG		INORG	0.0	2.0	7439-96-5			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Nickel	32.9000	MG/KG		INORG	0.0	2.0	7440-02-0			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890817	Plutonium-238	7.0000	PCI/G		RAD	0.0	1.0	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Plutonium-238	11.0000	PCI/G		RAD	0.0	2.0	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Potassium	1040.0000	MG/KG		INORG	0.0	2.0	7440-09-7	B		OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890721	Selenium	0.4900	MG/KG		INORG	0.0	2.0	7782-49-2	B		OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Silver	3.3000	MG/KG		INORG	0.0	2.0	7440-22-4			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Sodium	1980.0000	MG/KG		INORG	0.0	2.0	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Thorium-232	1.1000	PCI/G		RAD	0.0	2.0	7440-29-1			OU6RECO	Soil		
MND08-0001	0001-0003	Borehole	19890817	Thorium-232	9.9000	PCI/G		RAD	0.0	1.0	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0001	0001-0003	Borehole	19890721	Vanadium	26.2000	MG/KG		INORG	0.0	2.0	7440-62-2			OU6RECO	Soil		2-Exceeds background value.
MND08-0001	0001-0003	Borehole	19890721	Zinc	825.0000	MG/KG		INORG	0.0	2.0	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Aluminum	11600.0000	MG/KG	0.0000	INORG	0.0	2.0	7429-90-5			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Arsenic	6.6000	MG/KG	0.0000	INORG	0.0	2.0	7440-38-2			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Barium	342.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Beryllium	1.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0015	0015-0003	Borehole	19890816	Cadmium	2.8000	MG/KG	0.0000	INORG	0.0	2.0	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Calcium	5600.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-70-2	*		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Chromium	14.4000	MG/KG	0.0000	INORG	0.0	2.0	7440-47-3	*		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Cobalt	17.7000	MG/KG	0.0000	INORG	0.0	2.0	7440-48-4			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Copper	14.2000	MG/KG	0.0000	INORG	0.0	2.0	7440-50-8			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Iron	23300.0000	MG/KG	0.0000	INORG	0.0	2.0	7439-89-6	E		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Lead	18.6000	MG/KG	0.0000	INORG	0.0	2.0	7439-92-1			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Magnesium	2870.0000	MG/KG	0.0000	INORG	0.0	2.0	7439-95-4	*		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Manganese	796.0000	MG/KG	0.0000	INORG	0.0	2.0	7439-96-5			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Mercury	0.6400	MG/KG	0.0000	INORG	0.0	2.0	7439-97-6	N		OU6RECO	Soil		2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Nickel	31.2000	MG/KG	0.0000	INORG	0.0	2.0	7440-02-0	*		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Plutonium-238	7.0000	PCI/G		RAD	0.0	2.0	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Potassium	1140.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-09-7			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Sodium	2580.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Thallium	0.2700	MG/KG	0.0000	INORG	0.0	2.0	7440-28-0	B		OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Thorium-232	2.0000	PCI/G		RAD	0.0	2.0	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0015	0015-0003	Borehole	19890816	Vanadium	18.1000	MG/KG	0.0000	INORG	0.0	2.0	7440-62-2			OU6RECO	Soil		
MND08-0015	0015-0003	Borehole	19890816	Zinc	206.0000	MG/KG	0.0000	INORG	0.0	2.0	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Aluminum	11500.0000	MG/KG	0.0000	INORG	0.0	1.8	7429-90-5			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Arsenic	9.7000	MG/KG	0.0000	INORG	0.0	1.8	7440-38-2			OU6RECO	Soil		2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Barium	372.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Beryllium	1.1000	MG/KG	0.0000	INORG	0.0	1.8	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0016	0016-0003	Borehole	19890816	Cadmium	3.2000	MG/KG	0.0000	INORG	0.0	1.8	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Calcium	4800.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-70-2	*		OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Chromium	16.3000	MG/KG	0.0000	INORG	0.0	1.8	7440-47-3	*		OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Cobalt	17.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-48-4			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Copper	18.5000	MG/KG	0.0000	INORG	0.0	1.8	7440-50-8			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Iron	27800.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-89-6	E		OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Lead	21.7000	MG/KG	0.0000	INORG	0.0	1.8	7439-92-1			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Magnesium	3090.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-95-4	*		OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Manganese	587.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-96-5			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Nickel	38.4000	MG/KG	0.0000	INORG	0.0	1.8	7440-02-0	*		OU6RECO	Soil		2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Plutonium-238	13.0000	PCI/G		RAD	0.0	1.8	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0016	0016-0003	Borehole	19890816	Potassium	1340.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-09-7			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Sodium	1520.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-23-5			OU6RECO	Soil		2-Exceeds background value.

MND08-0016	0016-0003	Borehole	19890816	Thallium	0.3000	MG/KG	0.0000	INORG	0.0	1.8	7440-28-0	B		OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Thorium-232	10.0000	PCI/G		RAD	0.0	1.8	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0016	0016-0003	Borehole	19890816	Vanadium	18.8000	MG/KG	0.0000	INORG	0.0	1.8	7440-62-2			OU6RECO	Soil		
MND08-0016	0016-0003	Borehole	19890816	Zinc	249.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Aluminum	8390.0000	MG/KG	0.0000	INORG	0.0	1.8	7429-90-5			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Arsenic	3.2000	MG/KG	0.0000	INORG	0.0	1.8	7440-38-2			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Barium	304.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Beryllium	1.2000	MG/KG	0.0000	INORG	0.0	1.8	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0017	0017-0003	Borehole	19890816	Cadmium	5.9000	MG/KG	0.0000	INORG	0.0	1.8	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Calcium	151000.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-70-2	*		OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Chromium	13.6000	MG/KG	0.0000	INORG	0.0	1.8	7440-47-3	*		OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Cobalt	11.9000	MG/KG	0.0000	INORG	0.0	1.8	7440-48-4			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Copper	8.2000	MG/KG	0.0000	INORG	0.0	1.8	7440-50-8			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Iron	18000.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-89-6	E		OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Lead	8.8000	MG/KG	0.0000	INORG	0.0	1.8	7439-92-1			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Magnesium	35900.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-95-4	*		OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Manganese	354.0000	MG/KG	0.0000	INORG	0.0	1.8	7439-96-5			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Nickel	33.6000	MG/KG	0.0000	INORG	0.0	1.8	7440-02-0	*		OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Plutonium-238	5.0000	PCI/G		RAD	0.0	1.8	13981-16-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Potassium	1650.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-09-7			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Sodium	1830.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0017	0017-0003	Borehole	19890816	Thorium-232	7.5000	PCI/G		RAD	0.0	1.8	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0017	0017-0003	Borehole	19890816	Vanadium	22.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-62-2			OU6RECO	Soil		
MND08-0017	0017-0003	Borehole	19890816	Zinc	195.0000	MG/KG	0.0000	INORG	0.0	1.8	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Aluminum	9990.0000	MG/KG	0.0000	INORG	0.0	1.5	7429-90-5			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Arsenic	10.9000	MG/KG	0.0000	INORG	0.0	1.5	7440-38-2			OU6RECO	Soil		2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Barium	303.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Beryllium	0.9700	MG/KG	0.0000	INORG	0.0	1.5	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0018	0018-0003	Borehole	19890816	Cadmium	2.8000	MG/KG	0.0000	INORG	0.0	1.5	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Calcium	6530.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-70-2	*		OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Chromium	15.3000	MG/KG	0.0000	INORG	0.0	1.5	7440-47-3	*		OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Cobalt	11.7000	MG/KG	0.0000	INORG	0.0	1.5	7440-48-4			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Copper	18.4000	MG/KG	0.0000	INORG	0.0	1.5	7440-50-8			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Iron	20900.0000	MG/KG	0.0000	INORG	0.0	1.5	7439-89-6	E		OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Lead	41.7000	MG/KG	0.0000	INORG	0.0	1.5	7439-92-1			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Magnesium	3340.0000	MG/KG	0.0000	INORG	0.0	1.5	7439-95-4	*		OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Manganese	316.0000	MG/KG	0.0000	INORG	0.0	1.5	7439-96-5			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Nickel	28.4000	MG/KG	0.0000	INORG	0.0	1.5	7440-02-0	*		OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Plutonium-238	16.0000	PCI/G		RAD	0.0	1.5	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Potassium	1290.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-09-7			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Sodium	4030.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0018	0018-0003	Borehole	19890816	Thorium-232	1.4000	PCI/G		RAD	0.0	1.5	7440-29-1			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Vanadium	20.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-62-2			OU6RECO	Soil		
MND08-0018	0018-0003	Borehole	19890816	Zinc	318.0000	MG/KG	0.0000	INORG	0.0	1.5	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0019	0019-0001	Borehole	19890816	Aluminum	6940.0000	MG/KG	0.0000	INORG	0.0	0.5	7429-90-5			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Arsenic	7.9000	MG/KG	0.0000	INORG	0.0	0.5	7440-38-2			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Barium	385.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0019	0019-0001	Borehole	19890816	Beryllium	1.1000	MG/KG	0.0000	INORG	0.0	0.5	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0019	0019-0001	Borehole	19890816	Cadmium	3.6000	MG/KG	0.0000	INORG	0.0	0.5	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0019	0019-0001	Borehole	19890816	Calcium	110000.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-70-2	*		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Chromium	15.9000	MG/KG	0.0000	INORG	0.0	0.5	7440-47-3	*		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Cobalt	10.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-48-4	B		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Copper	9.6000	MG/KG	0.0000	INORG	0.0	0.5	7440-50-8			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Iron	15500.0000	MG/KG	0.0000	INORG	0.0	0.5	7439-89-6	E		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Lead	45.0000	MG/KG	0.0000	INORG	0.0	0.5	7439-92-1			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Magnesium	14200.0000	MG/KG	0.0000	INORG	0.0	0.5	7439-95-4	*		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Manganese	474.0000	MG/KG	0.0000	INORG	0.0	0.5	7439-96-5			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Nickel	24.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-02-0	*		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Plutonium-238	11.0000	PCI/G		RAD	0.0	0.5	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0019	0019-0001	Borehole	19890816	Potassium	994.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-09-7	B		OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Sodium	2750.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0019	0019-0001	Borehole	19890816	Thorium-232	7.4000	PCI/G		RAD	0.0	0.5	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0019	0019-0001	Borehole	19890816	Vanadium	21.3000	MG/KG	0.0000	INORG	0.0	0.5	7440-62-2			OU6RECO	Soil		
MND08-0019	0019-0001	Borehole	19890816	Zinc	231.0000	MG/KG	0.0000	INORG	0.0	0.5	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Aluminum	10500.0000	MG/KG	0.0000	INORG	0.0	1.3	7429-90-5			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Arsenic	7.5000	MG/KG	0.0000	INORG	0.0	1.3	7440-38-2			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Barium	466.0000	MG/KG	0.0000	INORG	0.0	1.3	7440-39-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Beryllium	1.2000	MG/KG	0.0000	INORG	0.0	1.3	7440-41-7			OU6RECO	Soil		1-Exceeds soil 10-6 GV.
MND08-0020	0020-0003	Borehole	19890816	Cadmium	4.8000	MG/KG	0.0000	INORG	0.0	1.3	7440-43-9			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Calcium	72200.0000	MG/KG	0.0000	INORG	0.0	1.3	7440-70-2	*		OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Chromium	20.9000	MG/KG	0.0000	INORG	0.0	1.3	7440-47-3	*		OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Cobalt	13.4000	MG/KG	0.0000	INORG	0.0	1.3	7440-48-4			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Copper	14.6000	MG/KG	0.0000	INORG	0.0	1.3	7440-50-8			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Iron	22400.0000	MG/KG	0.0000	INORG	0.0	1.3	7439-89-6	E		OU6RECO	Soil		

MND08-0020	0020-0003	Borehole	19890816	Lead	19.0000	MG/KG	0.0000	INORG	0.0	1.3	7439-92-1			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Magnesium	18400.0000	MG/KG	0.0000	INORG	0.0	1.3	7439-95-4	*		OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Manganese	599.0000	MG/KG	0.0000	INORG	0.0	1.3	7439-96-5			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Nickel	34.7000	MG/KG	0.0000	INORG	0.0	1.3	7440-02-0	*		OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Plutonium-238	19.0000	PCI/G		RAD	0.0	1.3	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Potassium	2030.0000	MG/KG	0.0000	INORG	0.0	1.3	7440-09-7			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Silver	3.4000	MG/KG	0.0000	INORG	0.0	1.3	7440-22-4			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Sodium	2140.0000	MG/KG	0.0000	INORG	0.0	1.3	7440-23-5			OU6RECO	Soil		2-Exceeds background value.
MND08-0020	0020-0003	Borehole	19890816	Thallium	0.2300	MG/KG	0.0000	INORG	0.0	1.3	7440-28-0	B		OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Thorium-232	3.1000	PCI/G		RAD	0.0	1.3	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0020	0020-0003	Borehole	19890816	Vanadium	23.2000	MG/KG	0.0000	INORG	0.0	1.3	7440-62-2			OU6RECO	Soil		
MND08-0020	0020-0003	Borehole	19890816	Zinc	337.0000	MG/KG	0.0000	INORG	0.0	1.3	7440-66-6			OU6RECO	Soil		2-Exceeds background value.
MND08-0021	0021-0003	Borehole	19890817	Plutonium-238	1.0000	PCI/G		RAD	0.0	1.0	13981-16-3			OU6RECO	Soil		2-Exceeds background value.
MND08-0021	0021-0003	Borehole	19890817	Thorium-232	1.2000	PCI/G		RAD	0.0	1.0	7440-29-1			OU6RECO	Soil		
MND08-0022	0022-0003	Borehole	19890817	Plutonium-238	25.0000	PCI/G		RAD	0.0	0.8	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0022	0022-0003	Borehole	19890817	Thorium-232	2.0000	PCI/G		RAD	0.0	0.8	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MND08-0023	0023-0003	Borehole	19890817	Plutonium-238	38.0000	PCI/G		RAD	0.0	0.8	13981-16-3			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MND08-0023	0023-0003	Borehole	19890817	Thorium-232	11.3000	PCI/G		RAD	0.0	0.8	7440-29-1			OU6RECO	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MO23501	MO235017	Surface loca	19870708	Actinium-228	6.1000	PCI/G		RAD	0.0	0.5	14331-83-0			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Bismuth-214	1.0000	PCI/G		RAD	0.0	0.5	14733-03-0			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Lead-212	4.5000	PCI/G		RAD	0.0	0.5	15092-94-1			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Plutonium-238	26.0000	PCI/G		RAD	0.0	0.5	13981-16-3			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MO23501	MO235017	Surface loca	19870708	Radium-226	1.4000	PCI/G		RAD	0.0	0.5	13982-63-3			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Thorium-228	0.3900	PCI/G		RAD	0.0	0.5	14274-82-9			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Thorium-230	0.9800	PCI/G		RAD	0.0	0.5	14269-63-7			DOEES	Soil		
MO23501	MO235017	Surface loca	19870708	Thorium-232	3.8000	PCI/G		RAD	0.0	0.5	7440-29-1			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MO23501	MO235017	Surface loca	19870708	Uranium-234	6.6000	PCI/G		RAD	0.0	0.5	13966-29-5			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value.
MO23502	MO235028	Surface loca	19870708	Bismuth-214	3.0000	PCI/G		RAD	0.0	0.5	14733-03-0			DOEES	Soil		
MO23502	MO235028	Surface loca	19870708	Lead-212	4.4000	PCI/G		RAD	0.0	0.5	15092-94-1			DOEES	Soil		
MO23502	MO235028	Surface loca	19870708	Lead-214	1.0000	PCI/G		RAD	0.0	0.5	15067-28-4			DOEES	Soil		
MO23502	MO235028	Surface loca	19870708	Plutonium-238	49.0000	PCI/G		RAD	0.0	0.5	13981-16-3			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MO23502	MO235028	Surface loca	19870708	Radium-226	1.3000	PCI/G		RAD	0.0	0.5	13982-63-3			DOEES	Soil		
MO23502	MO235028	Surface loca	19870708	Thorium-228	4.2000	PCI/G		RAD	0.0	0.5	14274-82-9			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
MO23502	MO235028	Surface loca	19870708	Thorium-230	0.8300	PCI/G		RAD	0.0	0.5	14269-63-7			DOEES	Soil		
MO23502	MO235028	Surface loca	19870708	Thorium-232	4.7000	PCI/G		RAD	0.0	0.5	7440-29-1			DOEES	Soil		1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0716	10466	Surface loca	19850801	Plutonium-238	3.0600	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	2-Exceeds background value.
S0717	10465	Surface loca	19850801	Plutonium-238	12.0500	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S0718	4020	Surface loca	19831001	Plutonium-238	0.2800	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S0719	10464	Surface loca	19850801	Plutonium-238	17.1000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S0720	10463	Surface loca	19850801	Plutonium-238	25.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S0721	10462	Surface loca	19850801	Plutonium-238	20.4000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S0722	10461	Surface loca	19850801	Plutonium-238	28.3000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0722	10461	Surface loca	19850801	Thorium-232	10.2000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0725	10460	Surface loca	19850801	Plutonium-238	119.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0725	10460	Surface loca	19850801	Thorium-232	8.5000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0726	10459	Surface loca	19850801	Plutonium-238	163.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0726	10459	Surface loca	19850801	Thorium-232	32.6000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0727	10458	Surface loca	19850801	Plutonium-238	36.8000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0727	10458	Surface loca	19850801	Thorium-232	6.1000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0728	10457	Surface loca	19850801	Plutonium-238	116.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0728	10457	Surface loca	19850801	Thorium-232	20.4000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0729	10456	Surface loca	19850801	Plutonium-238	45.9000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S0730	10455	Surface loca	19850801	Plutonium-238	15.5000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S0936	5927	Surface loca	19840701	Plutonium-238	0.6500	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1000	7205	Surface loca	19840901	Cesium-137	0.6000	PCI/G	0.5000	RAD	0.0	0.0	10045-97-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S1000	7205	Surface loca	19840901	Plutonium-238	1.2700	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1000	7205	Surface loca	19840901	Radium-226	1.1000	PCI/G		RAD	0.0	0.0	13982-63-3			RSS	Soil	Not Applicable	
S1004	10553	Surface loca	19850801	Plutonium-238	7.5800	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S1005	10528	Surface loca	19850801	Plutonium-238	4.2100	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	2-Exceeds background value.
S1006	E-22	Surface loca	19820301	Plutonium-238	396.4000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1007	E-8	Surface loca	19820301	Plutonium-238	216.3000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1008	9137	Surface loca	19850501	Plutonium-238	124.2000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1009	E-19	Surface loca	19820301	Plutonium-238	1.2000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1010	E-17	Surface loca	19820301	Plutonium-238	23.3000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S1011	9136	Surface loca	19850501	Plutonium-238	56.2000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1011	9136	Surface loca	19850501	Thorium-232	8.7900	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1012	10554	Surface loca	19850801	Plutonium-238	13.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S1013	10529	Surface loca	19850801	Plutonium-238	1.3400	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	2-Exceeds background value.
S1015	E-18	Surface loca	19820301	Plutonium-238	30.0000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1016	9135	Surface loca	19850501	Plutonium-238	0.1400	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1017	9233	Surface loca	19850501	Plutonium-238	0.3100	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1019	9134	Surface loca	19850501	Plutonium-238	0.3600	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1020	10555	Surface loca	19850801	Plutonium-238	23.5000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Split spoon	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
S1022	9133	Surface loca	19850501	Plutonium-238	0.0800	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	

S1023	9231	Surface loca	19850501	Plutonium-238	0.2000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1025	9132	Surface loca	19850501	Plutonium-238	0.1400	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1028	9229	Surface loca	19850501	Plutonium-238	0.5600	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1031	9131	Surface loca	19850501	Plutonium-238	2.8600	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1032	9230	Surface loca	19850501	Plutonium-238	0.2800	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1033	9227	Surface loca	19850501	Plutonium-238	0.7000	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1034	9130	Surface loca	19850501	Plutonium-238	0.9500	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1035	9129	Surface loca	19850501	Plutonium-238	0.6100	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1036	9228	Surface loca	19850501	Plutonium-238	0.2100	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1037	9128	Surface loca	19850501	Plutonium-238	0.9900	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1038	9225	Surface loca	19850501	Plutonium-238	1.0700	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1041	9226	Surface loca	19850501	Plutonium-238	0.5800	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1042	9223	Surface loca	19850501	Plutonium-238	0.5500	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1044	9221	Surface loca	19850501	Plutonium-238	0.8700	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
S1044	9221	Surface loca	19850501	Thorium-232	5.6000	PCI/G	2.0000	RAD	0.0	0.0	7440-29-1			RSS	Soil	Not Applicable	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
S1045	9224	Surface loca	19850501	Plutonium-238	0.2300	PCI/G	0.0100	RAD	0.0	0.0	13981-16-3			RSS	Soil	Not Applicable	2-Exceeds background value.
SCR309	8906058	Borehole	19890602	Thorium-232	3.2000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053129	Borehole	19890531	Plutonium-238	36.0000	PCI/G		RAD	0.0	0.0	13981-16-3			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053128	Borehole	19890531	Plutonium-238	105.0000	PCI/G		RAD	0.0	0.0	13981-16-3			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053130	Borehole	19890531	Plutonium-238	146.0000	PCI/G		RAD	0.0	0.0	13981-16-3			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053129	Borehole	19890531	Thorium-232	4.8000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053130	Borehole	19890531	Thorium-232	12.1000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR314	89053128	Borehole	19890531	Thorium-232	12.9000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR345	8905312	Borehole	19890531	Plutonium-238	37.0000	PCI/G		RAD	0.0	0.0	13981-16-3			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR345	8905312	Borehole	19890531	Thorium-232	3.0000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
SCR394	9310217	Borehole	19931020	Plutonium-238	118.0000	PCI/G		RAD	0.0	0.0	13981-16-3			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SCR394	9310217	Borehole	19931020	Thorium-232	24.4000	PCI/G		RAD	0.0	0.0	7440-29-1			SCRDATA	Soil	Unknown	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SD03	SD0301	Surface loca	19940711	4,4'-DDE	1.1000	UG/KG		ORPPB	0.0	6.0	72-55-9	J	J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Aluminum	16200.0000	MG/KG		INORG	0.0	6.0	7429-90-5	*	J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Arsenic	10.5000	MG/KG		INORG	0.0	6.0	7440-38-2	*		34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Barium	77.1000	MG/KG		INORG	0.0	6.0	7440-39-3			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Benzo(b)fluoranthene	34.0000	UG/KG		ORSVO	0.0	6.0	205-99-2	XJ	J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Benzo(k)fluoranthene	63.0000	UG/KG		ORSVO	0.0	6.0	207-08-9	XJ	J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Beryllium	0.6700	MG/KG		INORG	0.0	6.0	7440-41-7			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Bismuth	20.0000	MG/KG		INORG	0.0	6.0	7440-69-9	B		34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Calcium	14300.0000	MG/KG		INORG	0.0	6.0	7440-70-2			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Chloride	183.0000	MG/KG		ANION	0.0	6.0	16887-00-6		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Chromium	18.8000	MG/KG		INORG	0.0	6.0	7440-47-3		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Cobalt	9.4000	MG/KG		INORG	0.0	6.0	7440-48-4	B		34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Copper	14.8000	MG/KG		INORG	0.0	6.0	7440-50-8		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Cyanide	1.1000	MG/KG		INORG	0.0	6.0	57-12-5			34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Fluoride	1.6000	MG/KG		ANION	0.0	6.0	16984-48-8		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Iron	22100.0000	MG/KG		INORG	0.0	6.0	7439-89-6			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Lead	16.7000	MG/KG		INORG	0.0	6.0	7439-92-1			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Lithium	15.1000	MG/KG		INORG	0.0	6.0	7439-93-2	B		34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Magnesium	5790.0000	MG/KG		INORG	0.0	6.0	7439-95-4			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Manganese	551.0000	MG/KG		INORG	0.0	6.0	7439-96-5	N	J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Molybdenum	10.5000	MG/KG		INORG	0.0	6.0	7439-98-7			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Nickel	18.3000	MG/KG		INORG	0.0	6.0	7440-02-0			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Nitrate/Nitrite	9170.0000	MG/KG		ANION	0.0	6.0	1497-55-8		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Plutonium-238	11.2300	PCI/G		RAD	0.0	6.0	13981-16-3		J	34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Plutonium-238	47.0000	PCI/G		RAD	0.0	6.0	13981-16-3			34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SD03	SD0301	Surface loca	19940711	Potassium	2370.0000	MG/KG		INORG	0.0	6.0	7440-09-7	E	J	34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Potassium-40	14.9000	PCI/G		RAD	0.0	6.0	13966-00-2			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Radium-226	0.8000	PCI/G		RAD	0.0	6.0	13982-63-3			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Sodium	1510.0000	MG/KG		INORG	0.0	6.0	7440-23-5			34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Sulfate	25.9000	MG/KG		ANION	0.0	6.0	14808-79-8		J	34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Thorium-228	3.7800	PCI/G		RAD	0.0	6.0	14274-82-9			34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SD03	SD0301	Surface loca	19940711	Thorium-230	2.2100	PCI/G		RAD	0.0	6.0	14269-63-7		J	34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Thorium-232	2.1200	PCI/G		RAD	0.0	6.0	7440-29-1		J	34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Thorium-232	5.3000	PCI/G		RAD	0.0	6.0	7440-29-1			34897	Soil	Scoop	1-Exceeds soil 10-6 GV. 2-Exceeds background value. 3-Exceeds other criteria.
SD03	SD0301	Surface loca	19940711	Uranium-234	0.9400	PCI/G		RAD	0.0	6.0	13966-29-5			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Uranium-235	0.0300	PCI/G		RAD	0.0	6.0	15117-96-1			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Uranium-238	0.8400	PCI/G		RAD	0.0	6.0	7440-61-1			34897	Soil	Scoop	
SD03	SD0301	Surface loca	19940711	Vanadium	29.9000	MG/KG		INORG	0.0	6.0	7440-62-2			34897	Soil	Scoop	2-Exceeds background value.
SD03	SD0301	Surface loca	19940711	Zinc	117.0000	MG/KG		INORG	0.0	6.0	7440-66-6			34897	Soil	Scoop	
SGC036	NAC036	Borehole	19960215	Aluminum	11300.0000	MG/KG		INORG	0.0	3.0	7429-90-5			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Arsenic	3.4000	MG/KG		INORG	0.0	3.0	7440-38-2			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Barium	45.8000	MG/KG		INORG	0.0	3.0	7440-39-3	B		SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Beryllium	0.5900	MG/KG		INORG	0.0	3.0	7440-41-7			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Bis(2-ethylhexyl)phthalate	34.0000	UG/KG		ORSVO	0.0	3.0	117-81-7	JB		SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Calcium	117000.0000	MG/KG		INORG	0.0	3.0	7440-70-2			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Chromium	14.9000	MG/KG		INORG	0.0	3.0	7440-47-3			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Cobalt	10.9000	MG/KG		INORG	0.0	3.0	7440-48-4	B		SGCSP	Soil	Split spoon	

SGC036	NAC036	Borehole	19960215	Copper	13.4000	MG/KG		INORG	0.0	3.0	7440-50-8			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Di-n-butyl Phthalate	69.0000	UG/KG		ORSVO	0.0	3.0	84-74-2	JB		SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Iron	24500.0000	MG/KG		INORG	0.0	3.0	7439-89-6			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Lead	8.3000	MG/KG		INORG	0.0	3.0	7439-92-1			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Lithium	26.8000	MG/KG		INORG	0.0	3.0	7439-93-2			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC036	NAC036	Borehole	19960215	Magnesium	17400.0000	MG/KG		INORG	0.0	3.0	7439-95-4			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Manganese	549.0000	MG/KG		INORG	0.0	3.0	7439-96-5			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Methylene Chloride	17.0000	UG/KG		ORVOA	0.0	3.0	75-09-2			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Nickel	22.0000	MG/KG		INORG	0.0	3.0	7440-02-0			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Nitrate/Nitrite	2.2000	MG/KG	0.2500	ANION	0.0	3.0	1497-55-8			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Percent Solids	81.2000	%	0.1000	GENERA	0.0	3.0	%SOLIDS			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Plutonium-238	0.1950	PCI/G	0.0019	RAD	0.0	3.0	13981-16-3			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC036	NAC036	Borehole	19960215	Potassium	3230.0000	MG/KG		INORG	0.0	3.0	7440-09-7			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC036	NAC036	Borehole	19960215	Potassium-40	18.7000	PCI/G	0.0000	RAD	0.0	3.0	13966-00-2			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Radium-226	1.2600	PCI/G	0.6150	RAD	0.0	3.0	13982-63-3			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Sodium	844.0000	MG/KG		INORG	0.0	3.0	7440-23-5	B		SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC036	NAC036	Borehole	19960215	Thallium	0.4400	MG/KG		INORG	0.0	3.0	7440-28-0	B		SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Thorium-228	1.5000	PCI/G	0.0492	RAD	0.0	3.0	14274-82-9			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Thorium-230	1.2700	PCI/G	0.0279	RAD	0.0	3.0	14269-63-7			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Thorium-232	1.5000	PCI/G	0.0317	RAD	0.0	3.0	7440-29-1			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC036	NAC036	Borehole	19960215	Uranium-234	1.0200	PCI/G	0.0302	RAD	0.0	3.0	13966-29-5			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Uranium-235	0.0656	PCI/G	0.0276	RAD	0.0	3.0	15117-96-1			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Uranium-238	1.0500	PCI/G	0.0276	RAD	0.0	3.0	7440-61-1			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Vanadium	13.7000	MG/KG		INORG	0.0	3.0	7440-62-2			SGCSP	Soil	Split spoon	
SGC036	NAC036	Borehole	19960215	Zinc	53.8000	MG/KG		INORG	0.0	3.0	7440-66-6			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Aluminum	15700.0000	MG/KG		INORG	0.0	3.0	7429-90-5			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Arsenic	4.5000	MG/KG		INORG	0.0	3.0	7440-38-2			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Barium	97.1000	MG/KG		INORG	0.0	3.0	7440-39-3			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Beryllium	0.9900	MG/KG		INORG	0.0	3.0	7440-41-7			SGCSP	Soil	Split spoon	1-Exceeds soil 10-6 GV.
SGC037	NAC037	Borehole	19960215	Bis(2-ethylhexyl)phthalate	24.0000	UG/KG		ORSVO	0.0	3.0	117-81-7	JB		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Bismuth	1.7000	MG/KG		INORG	0.0	3.0	7440-69-9	B		SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Calcium	10100.0000	MG/KG		INORG	0.0	3.0	7440-70-2			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Cesium-137	0.3050	PCI/G	0.0000	RAD	0.0	3.0	10045-97-3			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Chromium	20.8000	MG/KG		INORG	0.0	3.0	7440-47-3			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Cobalt	13.2000	MG/KG		INORG	0.0	3.0	7440-48-4	B		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Copper	19.4000	MG/KG		INORG	0.0	3.0	7440-50-8			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Di-n-butyl Phthalate	150.0000	UG/KG		ORSVO	0.0	3.0	84-74-2	JB		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Iron	30900.0000	MG/KG		INORG	0.0	3.0	7439-89-6			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Lead	11.1000	MG/KG		INORG	0.0	3.0	7439-92-1			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Lithium	24.6000	MG/KG		INORG	0.0	3.0	7439-93-2	B		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Magnesium	4430.0000	MG/KG		INORG	0.0	3.0	7439-95-4			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Manganese	1120.0000	MG/KG		INORG	0.0	3.0	7439-96-5			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Methylene Chloride	12.0000	UG/KG		ORVOA	0.0	3.0	75-09-2			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Molybdenum	0.7000	MG/KG		INORG	0.0	3.0	7439-98-7	B		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Nickel	26.5000	MG/KG		INORG	0.0	3.0	7440-02-0			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Nitrate/Nitrite	1.7000	MG/KG	0.2700	ANION	0.0	3.0	1497-55-8			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Percent Solids	75.3000	%	0.1000	GENERA	0.0	3.0	%SOLIDS			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Plutonium-238	1.5300	PCI/G	0.0037	RAD	0.0	3.0	13981-16-3			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Plutonium-239/240	0.0085	PCI/G	0.0021	RAD	0.0	3.0	PU-239/240			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Potassium	2650.0000	MG/KG		INORG	0.0	3.0	7440-09-7	B		SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Potassium-40	19.8000	PCI/G	0.0000	RAD	0.0	3.0	13966-00-2			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Radium-226	1.2800	PCI/G	0.6670	RAD	0.0	3.0	13982-63-3			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Sodium	305.0000	MG/KG		INORG	0.0	3.0	7440-23-5	B		SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Thorium-228	1.0800	PCI/G	0.0422	RAD	0.0	3.0	14274-82-9			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Thorium-230	1.1200	PCI/G	0.0222	RAD	0.0	3.0	14269-63-7			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Thorium-232	1.0600	PCI/G	0.0329	RAD	0.0	3.0	7440-29-1			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Toluene	1.0000	UG/KG		ORVOA	0.0	3.0	108-88-3	J		SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Uranium-234	1.0200	PCI/G	0.0377	RAD	0.0	3.0	13966-29-5			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Uranium-235	0.0504	PCI/G	0.0331	RAD	0.0	3.0	15117-96-1			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Uranium-238	1.1500	PCI/G	0.0331	RAD	0.0	3.0	7440-61-1			SGCSP	Soil	Split spoon	
SGC037	NAC037	Borehole	19960215	Vanadium	25.9000	MG/KG		INORG	0.0	3.0	7440-62-2			SGCSP	Soil	Split spoon	2-Exceeds background value.
SGC037	NAC037	Borehole	19960215	Zinc	71.3000	MG/KG		INORG	0.0	3.0	7440-66-6			SGCSP	Soil	Split spoon	

comp_no	par_code	parameter name	comparison value	units
1	7440-41-7	Beryllium	7.00E-01	MG/KG
1	7440-43-9	Cadmium	5.00E+04	MG/KG
1	7440-47-3	Chromium	7.50E+03	MG/KG
1	121-82-4	RDX	2.70E+01	UG/KG
1	72-55-9	4,4'-DDE	9.00E+00	MG/KG
1	50-29-3	4,4'-DDT	9.00E+00	MG/KG
1	12672-29-6	Aroclor-1248	3.85E-01	MG/KG
1	11096-82-5	Aroclor-1260	3.85E-01	MG/KG
1	319-85-7	Beta-BHC	1.65E+00	MG/KG
1	60-57-1	Dieldrin	1.85E-01	MG/KG
1	56-55-3	Benzo(a)anthracene	4.10E+00	MG/KG
1	50-32-8	Benzo(a)pyrene	4.10E-01	MG/KG
1	205-99-2	Benzo(b)fluoranthene	4.10E+00	MG/KG
1	207-08-9	Benzo(k)fluoranthene	4.10E+01	MG/KG
1	117-81-7	Bis(2-ethylhexyl)phthalate	2.15E+02	MG/KG
1	218-01-9	Chrysene	4.10E+02	MG/KG
1	53-70-3	Dibenz(a,h)anthracene	4.10E-01	MG/KG
1	193-39-5	Indeno(1,2,3-cd)pyrene	4.10E+00	MG/KG
1	78-59-1	Isophorone	3.15E+03	MG/KG
1	86-30-6	N-Nitrosodiphenylamine	6.00E+02	MG/KG
1	87-86-5	Pentachlorophenol	2.50E+01	MG/KG
1	107-06-2	1,2-Dichloroethane	1.10E+01	MG/KG
1	71-43-2	Benzene	3.20E+01	MG/KG
1	75-27-4	Bromodichloromethane	4.80E+01	MG/KG
1	75-25-2	Bromoform	3.75E+02	MG/KG
1	56-23-5	Carbon Tetrachloride	1.20E+01	MG/KG
1	67-66-3	Chloroform	1.55E+01	MG/KG
1	124-48-1	Dibromochloromethane	3.55E+01	MG/KG
1	75-09-2	Dichloromethane	3.95E+02	MG/KG
1	79-01-6	Trichloroethene	1.25E+02	MG/KG
1	AC-227	Actinium-227	1.00E+00	PCI/G
1	14596-10-2	Americium-241	4.95E+00	PCI/G
1	13982-38-2	Bismuth-207	1.75E-01	PCI/G
1	BI-207	Bismuth-207	1.75E-01	PCI/G
1	10045-97-3	Cesium-137	4.60E-01	PCI/G
1	10198-40-0	Cobalt-60	1.00E-01	PCI/G
1	13981-16-3	Plutonium-238	5.50E+00	PCI/G
1	15117-48-3	Plutonium-239	5.50E+00	PCI/G
1	PU239/240	Plutonium-240	5.50E+00	PCI/G
1	13982-63-3	Radium-226	1.40E-01	PCI/G
1	10098-97-2	Strontium-90	3.00E+00	PCI/G
1	14274-82-9	Thorium-228	8.50E-01	PCI/G
1	14269-63-7	Thorium-230	4.40E+01	PCI/G
1	7440-29-1	Thorium-232	5.00E+01	PCI/G
1	10028-17-8	Tritium	2.35E+04	PCI/G
1	U-233	Uranium-233	3.70E+01	PCI/G
1	13966-29-5	Uranium-234	3.75E+01	PCI/G
1	15117-96-1	Uranium-235	3.35E+00	PCI/G
1	24678-82-8	Uranium-238	1.10E+01	PCI/G
2	7429-90-5	Aluminum	19000	MG/KG

comp_no	par_code	parameter name	comparison value	units
2	7440-38-2	Arsenic	8.6	MG/KG
2	7440-39-3	Barium	180	MG/KG
2	7440-69-9	Bismuth	ND	MG/KG
2	7440-41-7	Beryllium	1.3	MG/KG
2	7440-43-9	Cadmium	2.1	MG/KG
2	7440-70-2	Calcium	310000	MG/KG
2	7440-47-3	Chromium	20	MG/KG
2	7440-48-4	Cobalt	19	MG/KG
2	7440-50-8	Copper	26	MG/KG
2	57-12-5	Cyanide	ND	MG/KG
2	7439-89-6	Iron	35000	MG/KG
2	7439-92-1	Lead	48	MG/KG
2	7439-93-2	Lithium	26	MG/KG
2	7439-95-4	Magnesium	40000	MG/KG
2	7439-96-5	Manganese	1400	MG/KG
2	7439-97-6	Mercury	ND	MG/KG
2	7439-98-7	Molybdenum	27	MG/KG
2	7440-02-0	Nickel	32	MG/KG
2	7440-09-7	Potassium	1900	MG/KG
2	7440-22-4	Silver	1.7	MG/KG
2	7782-49-2	Selenium	ND	MG/KG
2	7440-23-5	Sodium	240	MG/KG
2	7440-28-0	Thallium	0.46	MG/KG
2	7440-31-5	Tin	20	MG/KG
2	7440-62-2	Vanadium	25	MG/KG
2	7440-66-6	Zinc	140	MG/KG
2	72-54-8	4,4'-DDD	1.4	MG/KG
2	72-55-9	4,4'-DDE	4.3	MG/KG
2	50-29-3	4,4'-DDT	13	MG/KG
2	309-00-2	Aldrin	ND	MG/KG
2	5103-71-9	Alpha-Chlordane	ND	MG/KG
2	319-84-6	Alpha-BHC	ND	MG/KG
2	12672-29-6	Aroclor-1248	ND	MG/KG
2	11097-69-1	Aroclor-1254	58	MG/KG
2	11096-82-5	Aroclor-1260	ND	MG/KG
2	319-85-7	Beta-BHC	ND	MG/KG
2	60-57-1	Dieldrin	ND	MG/KG
2	959-98-8	Endosulfan I	ND	MG/KG
2	1031-07-8	Endosulfan Sulfate	ND	MG/KG
2	72-20-8	Endrin	ND	MG/KG
2	7421-93-4	Endrin Aldehyde	ND	MG/KG
2	53494-70-5	Endrin Ketone	ND	MG/KG
2	5103-74-2	Gamma-Chlordane	ND	MG/KG
2	58-89-9	Gamma-BHC (Lindane)	ND	MG/KG
2	76-44-8	Heptachlor	ND	MG/KG
2	1024-57-3	Heptachlor Epoxide	ND	MG/KG
2	72-43-5	Methoxychlor	30	MG/KG
2	77-47-4	Hexachlorocyclopentadiene	ND	MG/KG
2	14596-10-2	Americium-241	ND	MG/KG
2	13982-38-2	Bismuth-207	ND	MG/KG

comp_no	par_code	parameter name	comparison value	units
2	BI-207	Bismuth-207	ND	MG/KG
2	BI-210M	Bismuth-210m	ND	MG/KG
2	10045-97-3	Cesium-137	0.42	PCI/G
2	13981-16-3	Plutonium-238	0.13	PCI/G
2	13966-00-2	Potassium-40	37	PCI/G
2	13982-63-3	Radium-226	2	PCI/G
2	10098-97-2	Strontium-90	0.72	PCI/G
2	14274-82-9	Thorium-228	1.5	PCI/G
2	14269-63-7	Thorium-230	1.9	PCI/G
2	7440-29-1	Thorium-232	1.4	PCI/G
2	10028-17-8	Tritium	1.6	PCI/G
2	13966-29-5	Uranium-234	1.1	PCI/G
2	15117-96-1	Uranium-235	0.11	PCI/G
2	24678-82-8	Uranium-238	1.2	PCI/G
3	7439-92-1	Lead	400	MG/KG
3	13982-63-3	Radium-226	5	PCI/G
3	13981-16-3	Plutonium-238	25	PCI/G
3	7440-29-1	Thorium-232	5	PCI/G
5	7440-36-0	Antimony	0.0006	MG/L
5	7440-38-2	Arsenic	0.05	MG/L
5	7440-39-3	Barium	2	MG/L
5	7440-41-7	Beryllium	0.004	MG/L
5	7440-43-9	Cadmium	0.005	MG/L
5	7440-47-3	Chromium	0.1	MG/L
5	7440-50-8	Copper	1.3	MG/L
5	57-12-5	Cyanide	0.2	MG/L
5	7439-92-1	Lead	0.015	MG/L
5	7439-97-6	Mercury	0.002	MG/L
5	7440-02-0	Nickel	0.1	MG/L
5	7782-49-2	Selenium	0.05	MG/L
5	7440-28-0	Thallium	0.002	MG/L
5	16984-48-8	Flouride	4	MG/L
5	NO3	Nitrate	10	MG/L
5	NO2	Nitrite	1	MG/L
5	57-74-9	Chlordane	0.002	MG/L
5	72-20-8	Endrin	0.002	MG/L
5	76-44-8	Heptachlor	0.0004	MG/L
5	1024-57-3	Heptachlor Epoxide	0.0002	MG/L
5	72-43-5	Methoxychlor	0.04	MG/L
5	8001-35-2	Toxaphene	0.003	MG/L
5	120-82-1	1,2,4-Trichlorobenzene	0.07	MG/L
5	95-95-4	2,4,5-Trichlorophenol	0.05	MG/L
5	50-32-8	Benzo(a)pyrene	0.002	MG/L
5	118-74-1	Hexachlorobenzene	0.001	MG/L
5	77-47-4	Hexachlorocyclopentadiene	0.05	MG/L
5	87-86-5	Pentachlorophenol	0.001	MG/L
5	71-55-6	1,1,1-Trichloroethane	0.2	MG/L
5	79-00-5	1,1,2-Trichloroethane	0.005	MG/L
5	75-35-4	1,1-Dichloroethene	0.007	MG/L
5	156-59-2	1,2-cis-Dichloroethene	0.07	MG/L

comp_no	par_code	parameter name	comparison value	units
5	107-06-2	1,2-Dichloroethane	0.005	MG/L
5	78-87-5	1,2-Dichloropropane	0.005	MG/L
5	106-46-7	1,4-Dichlorobenzene	0.075	MG/L
5	108-90-7	Chlorobenzene	0.1	MG/L
5	96-12-8	Dibromochloropropane	0.0002	MG/L
5	106-93-4	1,2-Dibromoethane	0.00005	MG/L
5	95-50-1	1,2-Dichlorobenzene	0.6	MG/L
5	75-09-2	Dichloromethane (Methylene Chloride)	0.005	MG/L
5	88-85-7	Dinoseb	0.007	MG/L
5	1746-01-6	Dioxin	0.00000003	MG/L
5	94-75-7	2,4-D	0.07	MG/L
5	156-60-5	1,2-trans-Dichloroethene	0.01	MG/L
5	71-43-2	Benzene	0.005	MG/L
5	75-27-4	Bromodichloromethane	0.008	MG/L
5	75-25-2	Bromoform	0.008	MG/L
5	56-23-5	Carbon Tetrachloride	0.005	MG/L
5	67-66-3	Chloroform	0.008	MG/L
5	100-41-4	Ethylbenzene	0.07	MG/L
5	58-89-9	Gamma-BHC (Lindane)	0.0002	MG/L
5	117-81-7	bis(2-ethylhexyl)phthalate	0.006	MG/L
5	100-42-5	Styrene	0.1	MG/L
5	127-18-4	Tetrachloroethene	0.005	MG/L
5	108-88-3	Toluene	1	MG/L
5	79-01-6	Trichloroethene	0.005	MG/L
5	75-01-4	Vinyl Chloride	0.002	MG/L
5	1330-20-7	Xylenes, Total	10	MG/L
5	AC-227	Actinium-227	0.4	PCI/L
5	14596-10-2	Americium-241	1.2	PCI/L
5	13982-38-2	Bismuth-207	1200	PCI/L
5	10045-97-3	Cesium-137	120	PCI/L
5	10198-40-0	Cobalt-60	400	PCI/L
5	13981-16-3	Plutonium-238	1.6	PCI/L
5	13982-63-3	Radium-226	4	PCI/L
5	10098-97-2	Strontium-90	40	PCI/L
5	14274-82-9	Thorium-228	16	PCI/L
5	14269-63-7	Thorium-230	12	PCI/L
5	7440-29-1	Thorium-232	2	PCI/L
5	10028-17-8	Tritium	20000	PCI/L
5	U-233	Uranium-233	20	PCI/L
5	13966-29-5	Uranium-234	20	PCI/L
5	15117-96-1	Uranium-235	24	PCI/L
5	24678-82-8	Uranium-238	24	PCI/L
6	7440-47-3	Chromium	1.10E+03	MG/KG
6	7440-36-0	Antimony	8.50E+01	MG/KG
6	7440-38-2	Arsenic	6.40E+01	MG/KG
6	7440-39-3	Barium	1.50E+04	MG/KG
6	7440-41-7	Beryllium	1.10E+03	MG/KG
6	7440-43-9	Cadmium	2.10E+02	MG/KG
6	57-12-5	Cyanide	4.30E+03	MG/KG
6	7439-96-5	Manganese	2.70E+04	MG/KG

comp_no	par_code	parameter name	comparison value	units
6	7439-97-6	Mercury	6.40E+01	MG/KG
6	7440-02-0	Nickel	4.30E+03	MG/KG
6	7440-22-4	Silver	10E+03	MG/KG
6	7440-62-2	Vanadium	1.50E+03	MG/KG
6	7440-66-6	Zinc	6.40E+04	MG/KG
6	2691-41-0	HMX	1.10E+04	UG/KG
6	121-82-4	RDX	6.40E+04	UG/KG
6	50-29-3	4,4'-DDT	1.10E+02	MG/KG
6	11097-69-1	Aroclor-1254	4.30E+00	MG/KG
6	60-57-1	Dieldrin	1.10E+01	MG/KG
6	106-44-5	4-Methylphenol	1.10E+03	MG/KG
6	120-12-7	Anthracene	6.40E+04	MG/KG
6	65-85-0	Benzoic Acid	8.50E+05	MG/KG
6	117-81-7	Bis(2-ethylhexyl)phthalate	4.30E+03	MG/KG
6	85-68-7	Butyl Benzyl Phthalate	4.30E+04	MG/KG
6	84-74-2	Di-n-butyl Phthalate	2.10E+04	MG/KG
6	117-84-0	Di-n-octyl Phthalate	4.30E+03	MG/KG
6	206-44-0	Fluoranthene	8.50E+03	MG/KG
6	78-59-1	Isophorone	4.30E+04	MG/KG
6	87-86-5	Pentachlorophenol	6.40E+03	MG/KG
6	108-95-2	Phenol	1.30E+05	MG/KG
6	129-00-0	Pyrene	6.40E+03	MG/KG
6	75-34-3	1,1-Dichloroethane	7.80E+00	MG/KG
6	156-60-5	1,2-trans-Dichloroethene	4.30E+03	MG/KG
6	108-10-1	2-Methyl-4-pentanone	7.00E+02	MG/KG
6	67-64-1	Acetone	2.10E+04	MG/KG
6	75-27-4	Bromodichloromethane	4.30E+03	MG/KG
6	75-25-2	Bromoform	4.30E+03	MG/KG
6	75-15-0	Carbon Disulfide	2.80E+02	MG/KG
6	56-23-5	Carbon Tetrachloride	1.50E+02	MG/KG
6	75-00-3	Chloroethane	1.60E+02	MG/KG
6	67-66-3	Chloroform	2.10E+03	MG/KG
6	124-48-1	Dibromochloromethane	4.30E+03	MG/KG
6	75-09-2	Dichloromethane	1.00E+03	MG/KG
6	100-41-4	Ethylbenzene	4.80E-01	MG/KG
6	110-54-3	Hexane	9.10E+01	MG/KG
6	127-18-4	Tetrachloroethene	2.10E+03	MG/KG
6	108-88-3	Toluene	2.50E+02	MG/KG
6	75-69-4	Trichlorofluoromethane	7.30E+02	MG/KG
6	1330-20-7	Xylenes, Total	4.30E+05	MG/KG
6	78-93-3	2-Butanone	9.30E+03	MG/KG

1 Value is 10-6 Risk-Based Guide Value
2 Value is OU9 Soil Background Value
3 Value is other criteria, I.e. 5 pCi/g for certain radionuclides
25 pCi/g plutonium
5 Value is MCL
6 Value is the Guide Value based on the hazard index

Reference 3

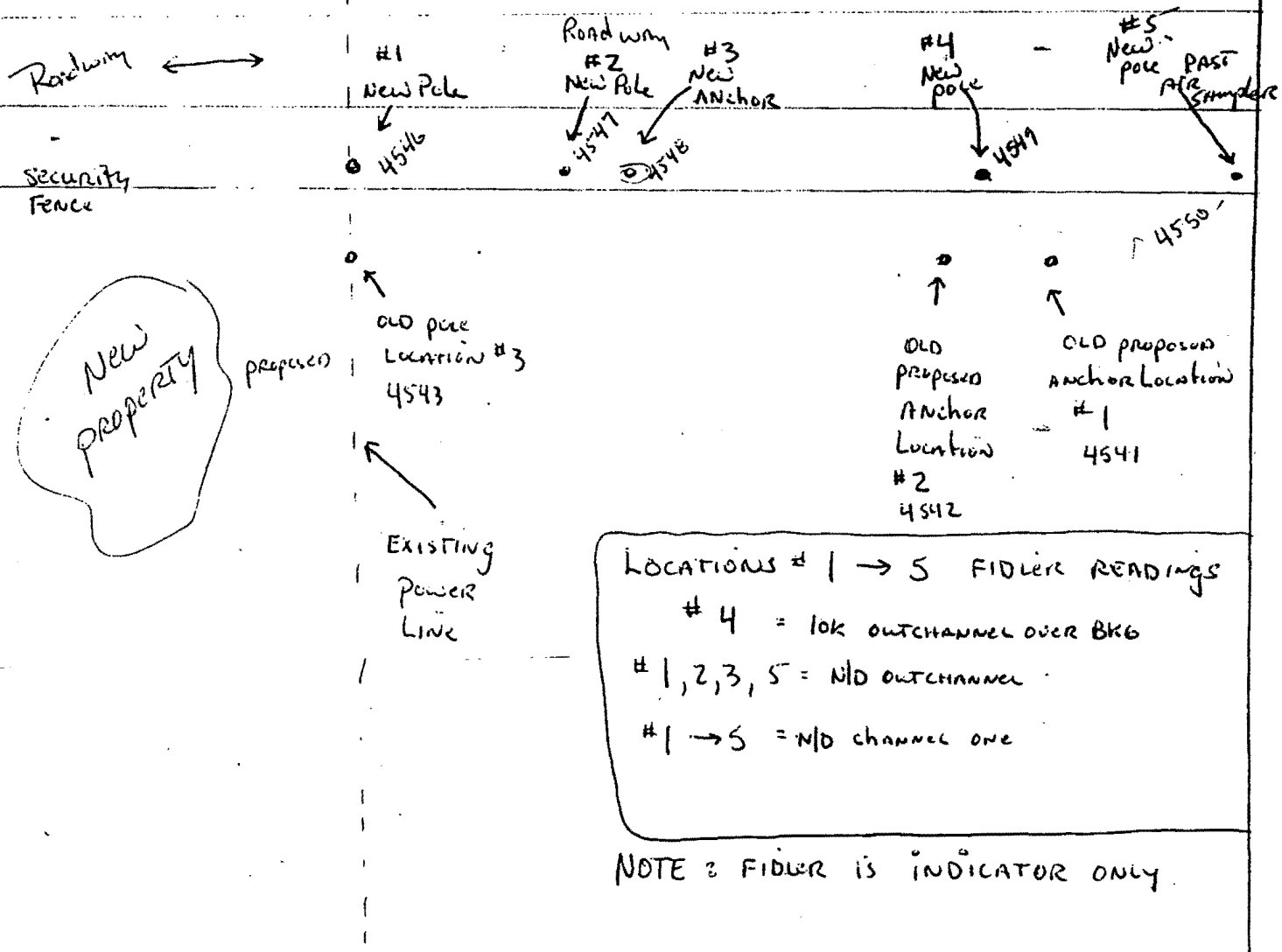
COPY

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG/AREA/ROOM) Building 21 side of Fence	SURVEY NO. 99-LS-241
PURPOSE: New Locations for DP+L pole	RWP NO. N/A
	DATE: 10-11-99
See 99-LS-240 for 1st locations on New Property	TIME: 1300 HRS

MAP/DRAWING

Building 21 AREA



LOCATIONS # 1 → 5 FIDLER READINGS

4 = 10k OUTCHANNEL OVER BKG

1, 2, 3, 5 = N/D OUTCHANNEL

1 → 5 = N/D CHANNEL ONE

NOTE: FIDLER IS INDICATOR ONLY

LEGEND: # = mrem/hr (γ) whole body
E = mrem/hr (β+η+γ) extremity on contact
△# = mrem/hr neutron
[#] = air sample number
(#) = swipe number
(#/α) or /β = direct cont. measurement in dpm/100cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
FIDLER	3714 / 3541	N/A
	N/A	

Comp [redacted]		HP# 5520	Date: 10-12-99
Comp [redacted]			
Counted by: (Signature) ~~N/A~~ SEE ATTACHED SHEETS		HP#	Date:
Counted b [redacted]			
Revie [redacted]		HP# 6144	Date: 10/18/99
Reviewed/Ap [redacted]			

ML-9620 (2-98)

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments

N/A

COMMENTS:

N/A

NOTES:

1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If not needed, mark N/A.

ML-9620 (2-98)

99-LS-241
p 3 of 7
RIM

SOIL ANALYSIS REPORT

FIELD SAMPLE ID:
LAB SAMPLE ID: ML900252
FILE ID: MG100475.S0
PRIORITY: Y

Description\Location:
DP&L @#1 4546

Collector: [redacted] 5520

Date Received: 10/11/99 **Date Collected:**

Radionuclide		Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)
Co-60	*	0.00	0.06	45,000
Cs-137		0.44	0.05	45,000
Pb-210		3.00	0.59	45,000
Ra-226		2.03	0.66	800
Ac-227 (D)	*	0.12	0.24	40
Th-230		6.67	6.42	800
Th-232 (D)		1.47	0.15	130
Pu-238	*	4.72	16.81	500
Am-241	*	0.03	0.07	500

Other Nuclides:

Radionuclide	Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)

Σ DOT **0.03** nCi/g

Σ Respirator **0.06**

Σ Respirator <1 indicates soil levels below limit.
Values > or = 1 indicate soil levels exceed limit. Limits based on MD-10438 table 4.

Σ DOT 2 nCi/g limit, total activity.

(D) Denotes identification by daughter emissions.
Sample is assumed to be in secular equilibrium.

* Indicates activity < MDA. MDA used in limits calculation.

Instrument type: High Purity Germanium

Comments: 5400 sec. count

Date: 10/12/99 Counted By: 5613 Analyzed By: 5613 INITIALS [redacted]

99-LS-241
P4 of 7
RIM

SOIL ANALYSIS REPORT

FIELD SAMPLE ID:
LAB SAMPLE ID: ML900253
FILE ID: MG200003.S0
PRIORITY: Y

Description\Location:
DP&L POLE #2 4547

Collector: [redacted], 5520

Date Received: 10/11/99 **Date Collected:**

Radionuclide		Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)
Co-60	*	0.00	0.05	45,000
Cs-137		0.36	0.05	45,000
Pb-210		2.31	0.91	45,000
Ra-226		1.71	0.96	800
Ac-227 (D)		0.31	0.29	40
Th-230	*	0.00	10.10	800
Th-232 (D)		0.76	0.19	130
Pu-238	*	0.00	33.39	500
Am-241	*	0.02	33.39	500

Other Nuclides:

Radionuclide	Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)

Σ DOT 0.08 nCi/g

Σ Respirator 0.16

Σ Respirator <1 indicates soil levels below limit.
Values > or = 1 indicate soil levels exceed limit. Limits based on MD-10438 table 4.

Σ DOT 2 nCi/g limit, total activity.

(D) Denotes identification by daughter emissions.
Sample is assumed to be in secular equilibrium.

* Indicates activity < MDA. MDA used in limits calculation.

Instrument type: High Purity Germanium

Comments: 5400 sec. count

Date: 10/12/99 Counted By: 5613 Analyzed By: 5613 INITIALS [redacted]

99-LS-241
p5 of 7
Rm

SOIL ANALYSIS REPORT

FIELD SAMPLE ID:
LAB SAMPLE ID: ML900255
FILE ID: MG200006.S0
PRIORITY: Y

Description\Location:
ANCHOR POINT #3 4549

Collector: 7939

Date Received: 10/11/99 **Date Collected:**

Radionuclide		Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)
Co-60	*	0.00	0.05	45,000
Cs-137		0.38	0.04	45,000
Pb-210		2.66	0.82	45,000
Ra-226		1.42	1.00	800
Ac-227 (D)	*	0.29	0.32	40
Th-230		12.36	9.00	800
Th-232 (D)		0.90	0.17	130
Pu-238	*	7.67	26.62	500
Am-241	*	0.00	0.11	500

Other Nuclides:

Radionuclide	Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)

Σ DOT 0.04 nCi/g

Σ Respirator 0.09

Σ Respirator <1 indicates soil levels below limit.
Values > or = 1 indicate soil levels exceed limit. Limits based on MD-10438 table 4.

Σ DOT 2 nCi/g limit, total activity.

(D) Denotes identification by daughter emissions.
Sample is assumed to be in secular equilibrium.

* Indicates activity < MDA. MDA used in limits calculation.

Instrument type: High Purity Germanium

Comments: 5400 sec. count

Date: 10/12/99 Counted By: 5613 Analyzed By: 5613 INITIALS [redacted]

99-LS-241
p6 of 7
RM

SOIL ANALYSIS REPORT

FIELD SAMPLE ID:
LAB SAMPLE ID: ML900254
FILE ID: MG300004.S0
PRIORITY: Y

Description\Location:
ANCHOR @ #4 4548

Collector: [redacted] 5520

Date Received: 10/11/99 **Date Collected:**

Radionuclide		Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)
Co-60	*	0.03	0.06	45,000
Cs-137		0.59	0.07	45,000
Pb-210		2.77	1.50	45,000
Ra-226	*	1.32	1.68	800
Ac-227 (D)	*	0.45	0.57	40
Th-230	*	7.22	16.88	800
Th-232 (D)		3.79	0.29	130
Pu-238	*	0.00	50.13	500
Am-241	*	0.00	0.18	500

Other Nuclides:

Radionuclide	Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)

Σ DOT 0.08 nCi/g

Σ Respirator 0.17

Σ Respirator <1 indicates soil levels below limit.
Values > or = 1 indicate soil levels exceed limit. Limits based on MD-10438 table 4.

Σ DOT 2 nCi/g limit, total activity.

(D) Denotes identification by daughter emissions.
Sample is assumed to be in secular equilibrium.

* Indicates activity < MDA. MDA used in limits calculation.

Instrument type: High Purity Germanium

Comments: 5400 sec. count

Date: 10/12/99 Counted By: 5613 Analyzed By: 5613 INITIALS [redacted]

99-LS-241
p7 of 7
RM

SOIL ANALYSIS REPORT

FIELD SAMPLE ID:
LAB SAMPLE ID: ML900256
FILE ID: MG300007.S0
PRIORITY: Y

Description\Location: POLE @ #5 EAST 4550

Collector: 7939

Date Received: 10/11/99 **Date Collected:**

Radionuclide		Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)
Co-60	*	0.00	0.06	45,000
Cs-137		0.31	0.06	45,000
Pb-210		1.37	1.16	45,000
Ra-226	*	1.18	1.24	800
Ac-227 (D)	*	0.20	0.36	40
Th-230	*	0.00	12.21	800
Th-232 (D)		1.00	0.21	130
Pu-238	*	0.00	35.30	500
Am-241	*	0.00	0.14	500

Other Nuclides:

Radionuclide	Activity (pCi/g)	MDA	MD-10438 Limit (pCi/g)

Σ DOT 0.05 nCi/g

Σ Respirator 0.10

Σ Respirator <1 indicates soil levels below limit.
Values > or = 1 indicate soil levels exceed limit. Limits based on MD-10438 table 4.

Σ DOT 2 nCi/g limit, total activity.

(D) Denotes identification by daughter emissions.
Sample is assumed to be in secular equilibrium.

* Indicates activity < MDA. MDA used in limits calculation.

Instrument type: High Purity Germanium

Comments: 5400 sec. count

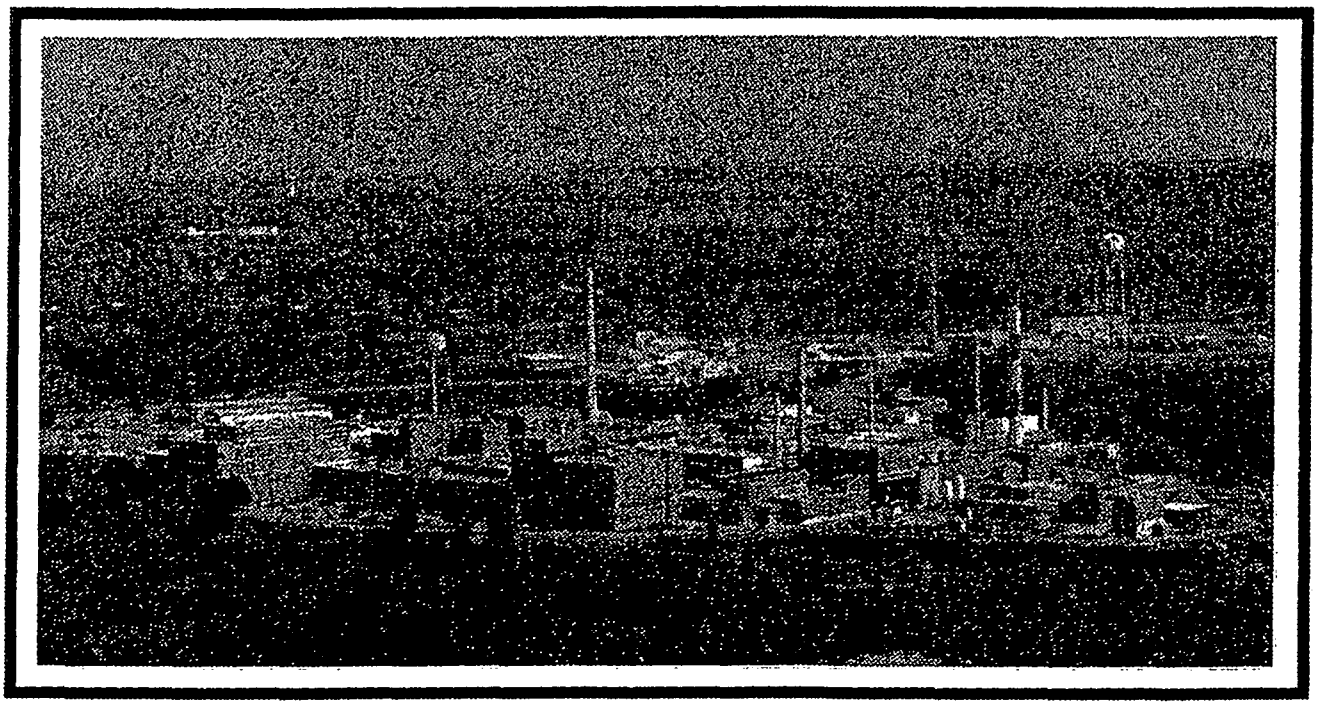
Date: 10/12/99 Counted By: 5613 Analyzed By: 5613 INITIALS [redacted]

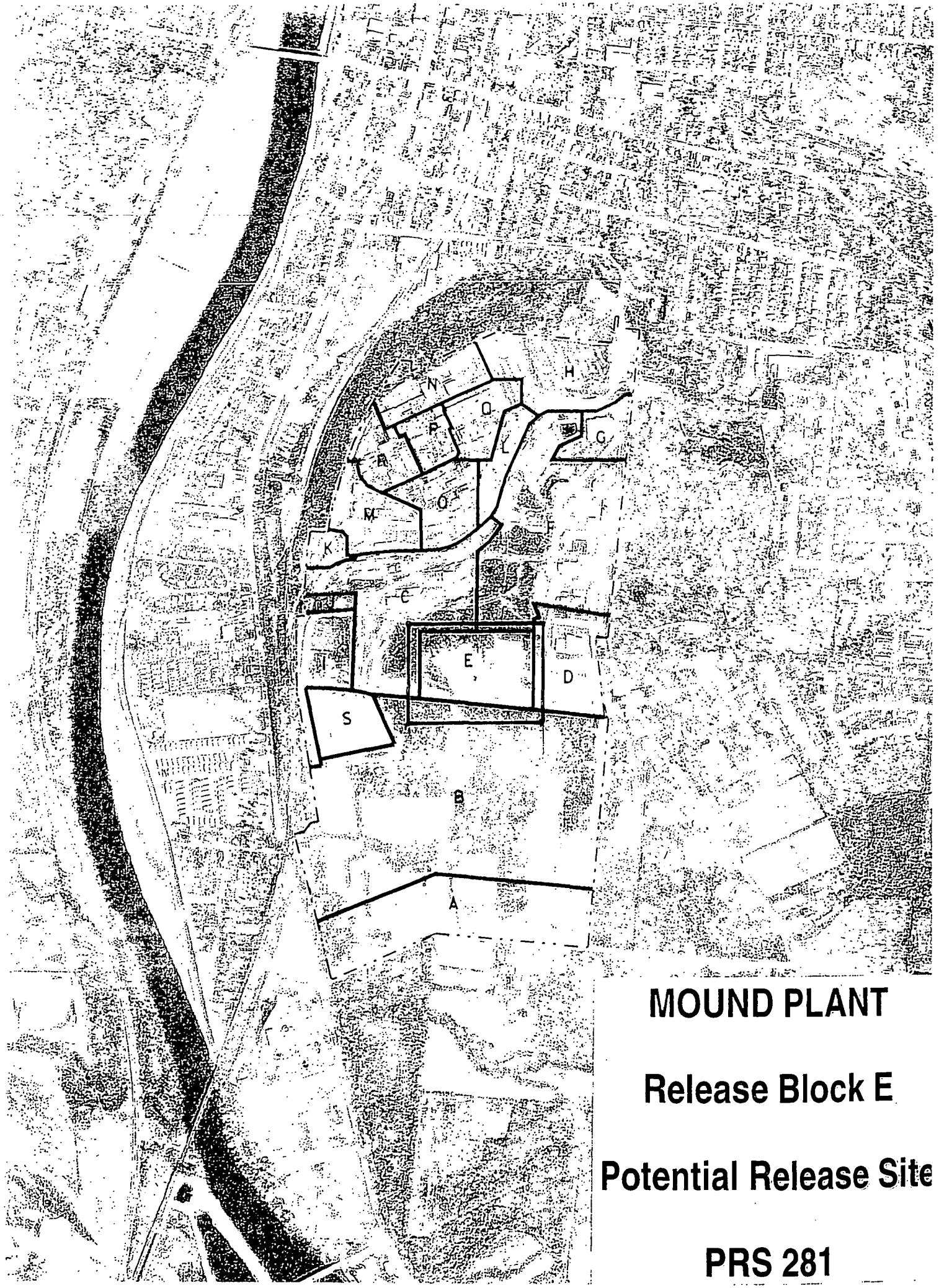
Reference 4

MOUND

Environmental
Restoration
Program

MOUND PLANT
Potential Release Site Package
PRS # 281



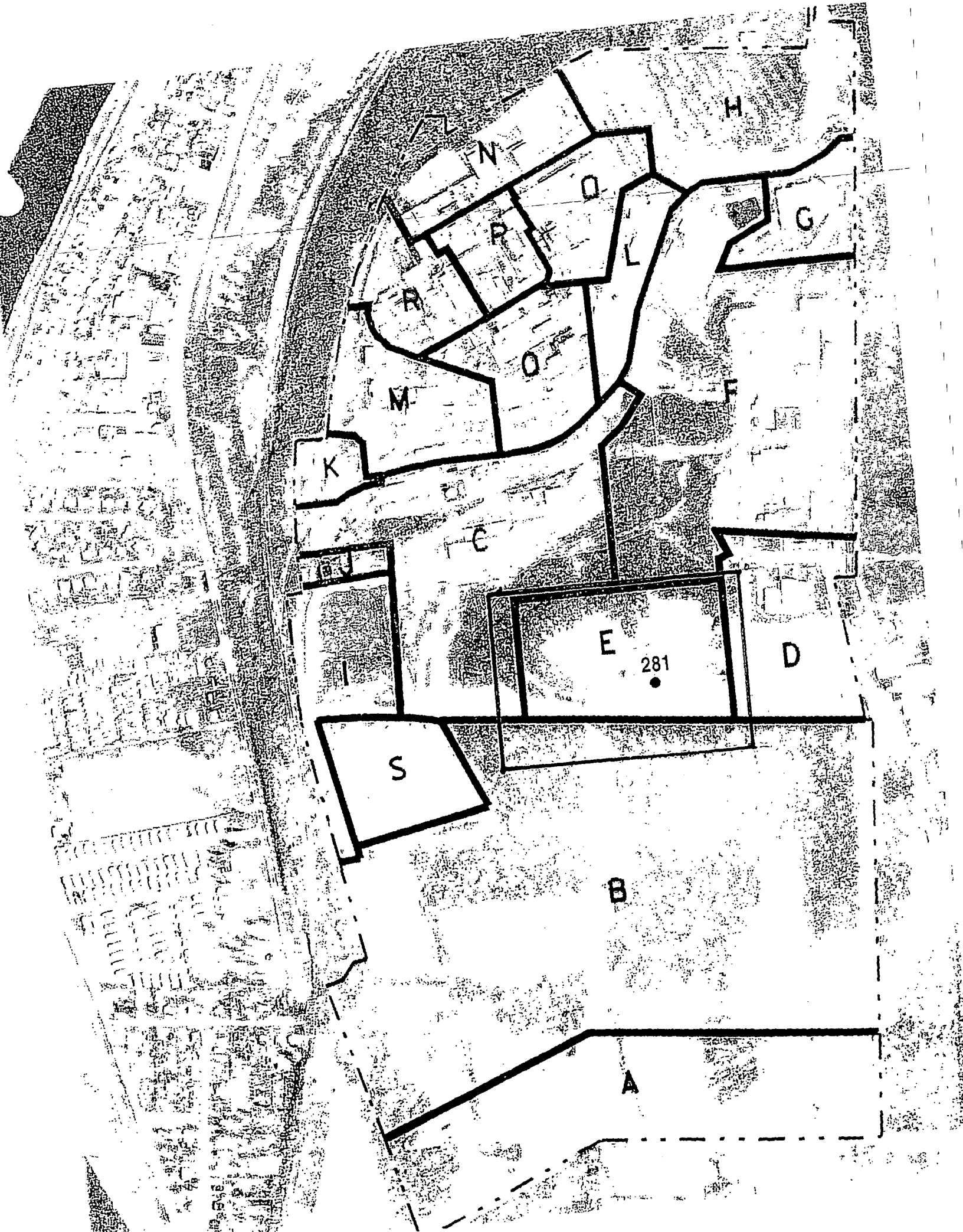


MOUND PLANT

Release Block E

Potential Release Site

PRS 281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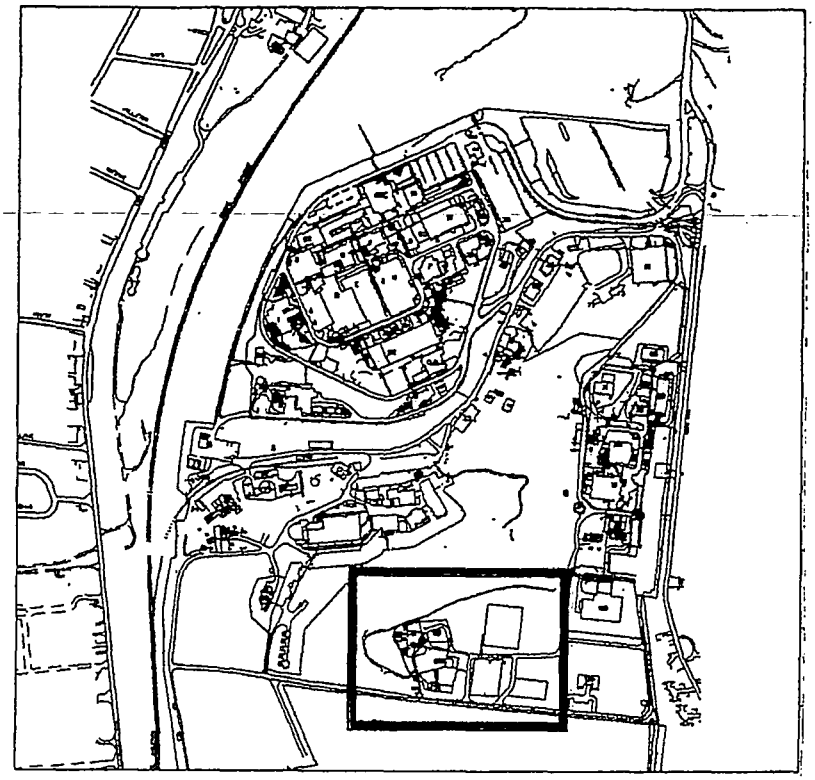
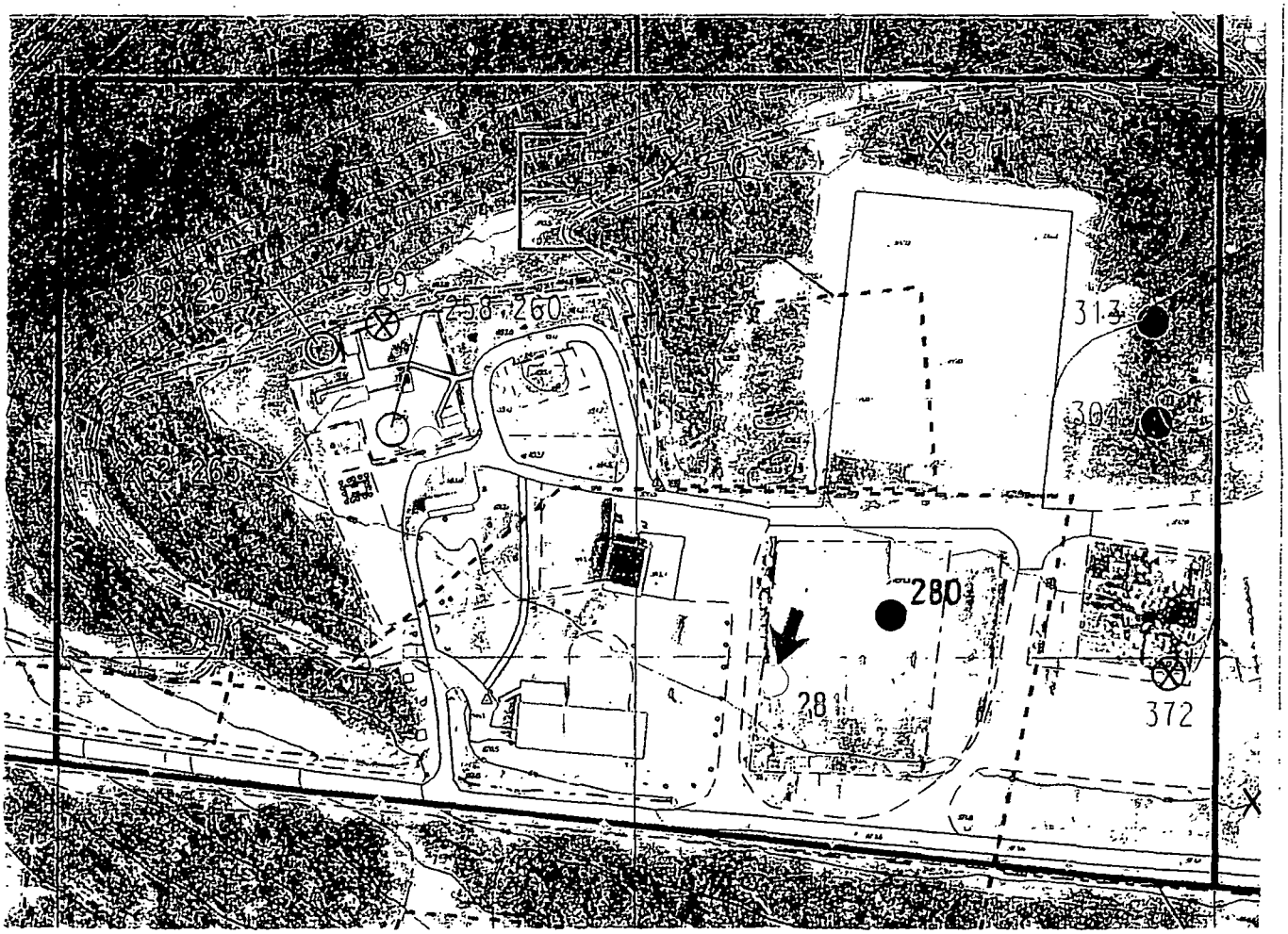
MOUND PLANT

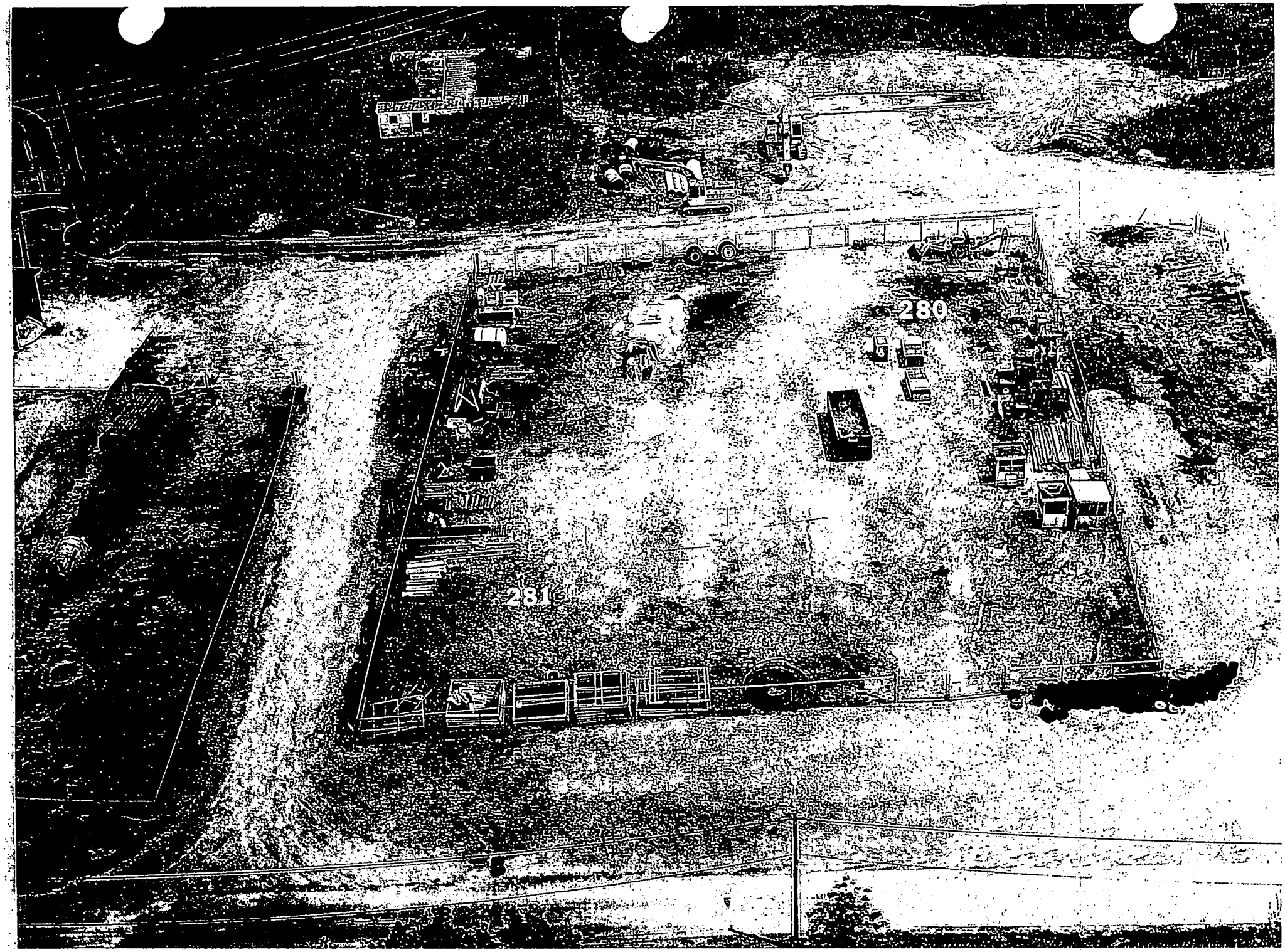
Release Block E

PRS 281

August 14, 1995



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281

PRS 281

PRS HISTORY:

PRS 281 was identified as a historical, isolated waste oil spill in the Volume 12 - Site Summary Report.[1]

PROCESS DESCRIPTION:

No radioactive or hazardous waste generating processes are known to have occurred at the location of PRS 281.

CONTAMINATION:

A minor oil spill was reported in OU9 Site Survey Report (Volume 12)[1], however from the Bldg. 21 Investigative Report, there is no evidence of any elevated chemicals of concern.[3]

Several samples produced levels of radiological contamination over Mound soil guidelines for radium (2.95 pCi/g).[4] The concentrations of radium found were 19.9 pCi/g and 22.3 pCi/g. 3

READING ROOM REFERENCES:

1) OU9 Site Scoping Report, Volume 12 - Site Summary, December 1994.
2) OU9 Site Scoping Report, Volume 3, - Radiological Site Survey, June 1993.

OTHER REFERENCES:

3) Bldg. 21 Investigation Data Report, June 1995.
4) Background Values for Mound Plant Soils, July 1995.

PREPARED BY:

Eric Horstman, Member of EG&G Technical Staff

MOUND PLANT
PRS 281
AUGUST 3, 1995

RECOMMENDATION: _____

_____

_____

_____

CONCURRENCE:

DOE: _____

USEPA: _____

OEPA: _____

REFERENCE MATERIAL

FOR

PRS 281

ENVIRONMENTAL RESTORATION PROGRAM

OPERABLE UNIT 9
SITE SCOPING REPORT:
VOLUME 12 - SITE SUMMARY REPORT

MOUND PLANT
MIAMISBURG, OHIO

December 1994

U.S. DEPARTMENT OF ENERGY
OHIO FIELD OFFICE

ENVIRONMENTAL RESTORATION PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES

FINAL

Table V.1. (page 4 of 5)

No.	Site Name	Evidence of Release[a]	Further Action Recommended[a]	FFA OU
58	Dredge Spoil Drying Beds	Yes	Yes	5
59	Contaminated Soil Box Storage Area	No	Yes	5
63	Building 19 Soils	Yes	Yes	5
64	Building 19 Historic Gasoline Tank (Tank 238)	No	Yes	5
65	Building 61 Area, Former Heavy Equipment Area	Yes	Yes	5
66	Area 7, Throium and Polonium Wastes (AKA old septic tank)	Yes	Yes	5
71	Building 85 Waste Solvent Tank (Tank 136)	No	No	5
72	Area 13, Polonium-Contaminated Wood from Dayton Unit IV	Yes	Yes	5
73	Evaporator Storage Area	No	No	5
74	Quonset Hut (former)	No	No	5
76	Warehouse 9	Yes	Yes	5
77	Warehouse 10	Yes	Yes	5
79	Warehouse 15	Yes	Yes	5
80	Warehouse 15A	Yes	Yes	5
81	Drilling Mud Drum Storage Areas (3 locations)	No	No	5
261	Trash Burner	No	No	5
269	Building 36 Historic Gasoline Tanks (Tanks 239 and 240)	No	No	5
274	Area 21 Old Bunker	Yes	Yes	5
275	Area 21 Detonator Shack	Yes	Yes	5
276	Area 22, Orphan Soil from Other Areas	Yes	Yes	5
277	Area J, Hillside Disposal Area (AKA Dredged Material Disposal Area 11a)	Yes	Yes	5
278	Area J, Hillside catch basin	No	Yes	5
279	Old Firing Range Drum Storage Area	Yes	Yes	5
280	Waste Oil Drum Field Area	Yes	Yes	5
281	Area E, Waste Oil Spill	Yes	No	5
282	Spoils Disposal Area/Construction Spoils Area	Yes	Yes	5
304	Excavated Materials Disposal Area (AKA Rader's Hill)	No	Yes	5
306	SM/PP Hill Seep 0609	No	Yes	5

←PRS

Description of History and Nature of Waste Handling						Hazardous Conditions and Incidents			Environmental Data		
No.	Site Name	Location	Status	Potential Hazardous Substances	Ref	Releases	Media	Ref	Analytes[a]	Results	Ref
280	Waste Oil Drum Field Area PRS	I-8	Historical	Waste oil Plating Operations waste Explosive/solvent waste Herbicides Waste chemicals Photo-processing waste Batteries Kitchen grease Epoxy resins Ethylene glycol Scintillation vials	4, 5, 18	Confirmed VOCs	S	4	3, 4, 5, 6, 8, 12 PRS	Tables B.6, B.7, and B.8 RSS[c] Locations S0263, S0164, S0265, and S0266 (Appendix E in Ref.6) Table B.9	7 6
281	Area E, Waste Oil Spill	J-8	Historical	Waste oil	1	Minor oil	S	1	No Data		
282	Spoils Disposal Area/Construction Spoils Area	J-5 K-5	In service	Plutonium-238, Thorium Gasoline contaminated soils from G Building	4, 5, 18	Plutonium-238 < 25 pci/gm Thorium < 5 pci/gm	S	6	14, 15, 16	Table B.1 (Table X.3 in Ref. 6)	6
283	Area 1, Bulk Transfer of Thorium Drums (AKA, Plutonium Recoverable Waste Storage)	I to L 6 to 8	Grounds	Thorium sludge constituents, Plutonium-238	1, 4, 5, 18	Thorium dust, Plutonium-238	S	6	3, 4 14, 15, 16	Tables B.6, B.7, and B.8 Table B.1 (Table IV.2 in Ref. 6)	8 6
284	Building 21, Thorium Sludge Storage Facility	J-7 J-8	Surplus	Thorium sludge constituents	4	Thorium dust	S	4, 6	See Area 1		
285	Area 11, Contamination from SM Building Operations	G-9	Surplus	Plutonium-238	1, 4, 5, 18	Plutonium-238	S	6	3, 4, 5, 6 14, 16	Tables B.6, B.7, and B.8 Table B.1 (Table IV.3 in Ref. 6)	8 6
286	Area 16, SM Building Sanitary Sewage Septic Tank Leach Field	F-9 G-9	Surplus	Plutonium-238, Thorium Sanitary wastes from SM Building	1, 4, 5, 18	Plutonium-238	S	6	3, 4, 6 14, 15, 16	Tables B.6, B.7, and B.8 Table B.1 (Table IV.5 in Ref. 6)	8 6

Document Control No. DGC
W.P. DAVIS

Environmental Restoration Program

OPERABLE UNIT 9 SITE SCOPING REPORT
VOLUME 3 - RADIOLOGICAL SITE SURVEY

MOUND PLANT
MIAMISBURG, OHIO

June 1993

FINAL

Department of Energy
Albuquerque Field Office

Environmental Restoration Program
EG&G Mound Applied Technologies

The drilling and sampling were performed using an auger drill rig and a 2-ft, split-barrel sampler. As the split-barrel sampler was removed from the borehole, it was monitored for radioactivity contamination by Mound Plant health physics personnel using a FIDLER to detect radioactivity contamination that would pose a hazard to the workers present. After the soil was removed from the sampler and placed in sample containers, field team members wearing gloves brushed the remaining soil out of the sampler. The gloves were then monitored with an alpha scintillometer before the split-barrel sampler was used again. However, no standard decontamination was performed.

The core locations are shown in Plate 1. The core locations were surveyed by a licensed surveyor after drilling was completed. The available reports submitted to Mound Plant by the drilling subcontractors are presented in Appendix B.

2.1.4. Sample Analyses

2.1.4.1. FIDLER Screening

In order to identify samples with concentrations of plutonium-238 exceeding 25 pCi/g and total thorium exceeding 2 pCi/g, all of the soil samples collected were pulverized and then screened using a Bicron® FIDLER at the Mound Plant Soil Screening Facility, known as trailer 15 at the time of the Site Survey Project. The Soil Screening Facility is now located in the H Building at Mound Plant (Plate 1). The minimum detectable activity at which plutonium-238 can be reliably detected at the Mound Plant screening facility is estimated to be 25 pCi/g (Draper 1986b). The detection of plutonium-238 at lesser concentrations (12-25 pCi/g) was unreliable and had an estimated error of ±75 percent. The estimated error decreased with increasing sample activity; for samples with 25 to 100 pCi/g of plutonium-238, the estimated error was ±35 percent, and for samples with >100 pCi/g, the estimated error was ±30 percent (Casella and Bishop 1984). The minimum detectable activity for thorium from FIDLER screening was estimated to be about 2 pCi/g (Stought et al. 1988). The Mound Plant procedure for screening soil samples is provided in Appendix A.

2.1.4.2. Radiochemical Analysis for Plutonium-238

Because of the high error (±75 percent) involved in the FIDLER screening of samples containing less than 25 pCi/g of plutonium-238, all soil samples were radiochemically analyzed by Mound Plant for plutonium-238. The lower detection limit (LDL) for plutonium-238 by this method was estimated to be 0.01 pCi/g, with a relative precision (two standard deviations) of 25 percent. The overall precision of the plutonium-238 measurements was reported to be about 18 percent (DOE 1991b). The Mound

Plant procedure for the radiochemical analysis of soil samples for plutonium-238 is provided in Appendix A.

2.1.4.3. Radiochemical Analysis for Thorium

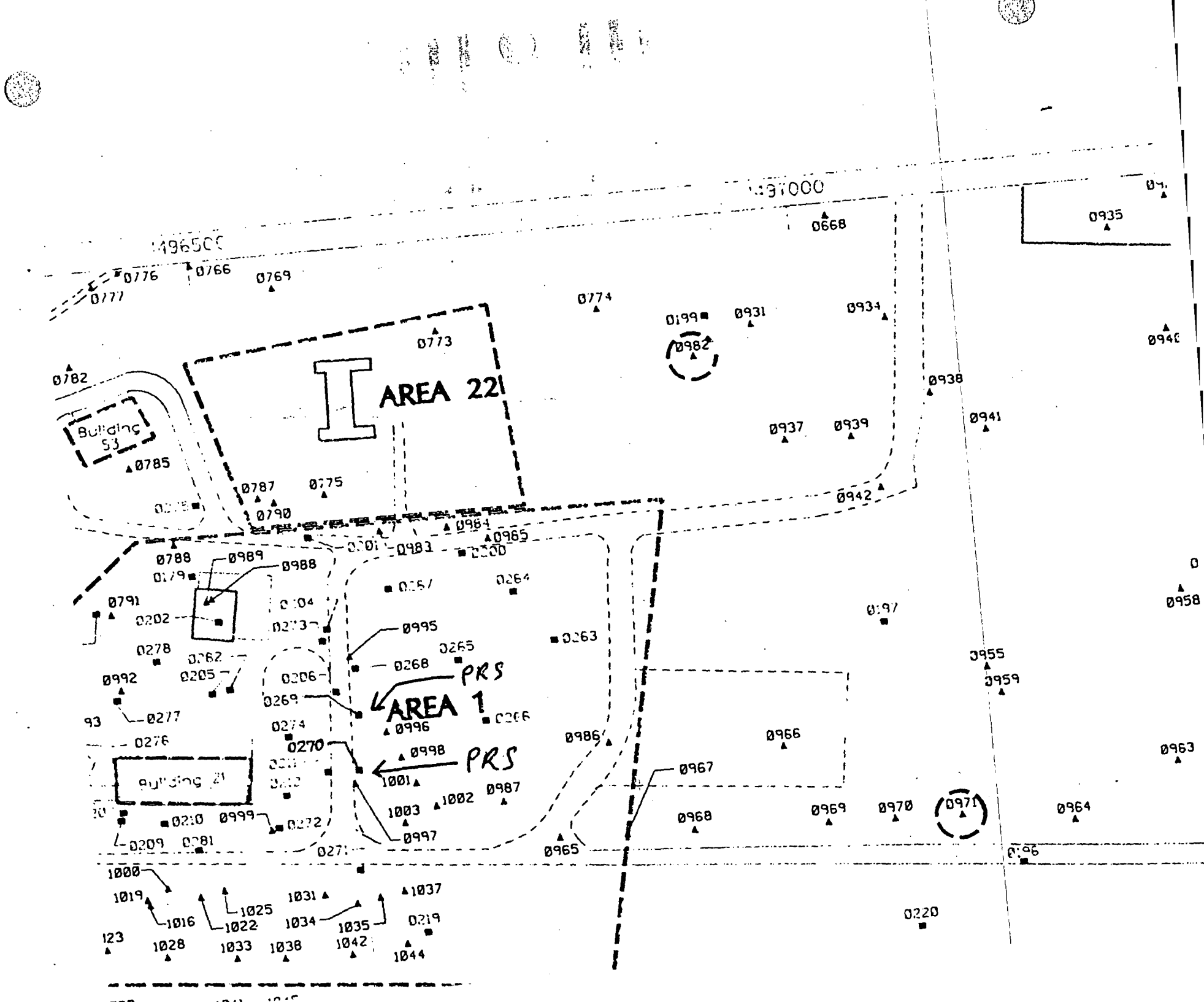
Samples with thorium concentrations in excess of 2 pCi/g by FIDLER screening were also radiochemically analyzed for thorium, resulting in the radiochemical analysis of about 12 percent of the samples. The LDLs for the thorium isotopes using radiochemical procedures were estimated to be

- 0.3 pCi/g for thorium-228, with a relative precision of 60 percent;
- 0.3 pCi/g for thorium-230, with a relative precision of 30 percent; and
- 0.1 pCi/g for thorium-232, with a relative precision of 70 percent.

The overall precision for the thorium measurement was reported to be about 25 percent. The thorium results were reported in pCi of total thorium per gram of soil, isotopes were not identified. The Mound Plant procedure for the radiochemical analysis of soil samples for thorium is provided in Appendix A.

2.1.4.4. Gamma Spectroscopy

Gamma spectroscopy was performed by Mound Plant on approximately 350 (18 percent) of the soil samples in order to verify the identity of the radionuclides present when screening indicated the presence of gamma-emitting radionuclides, but little excess plutonium or thorium was identified by radiochemical analysis. Gamma spectroscopy is capable of detecting a variety of gamma-emitting radionuclides; the radionuclides detected in samples collected during the Site Survey Project included cobalt-60, cesium-137, radium-226, actinium-227, and americium-241. No other gamma-emitting radionuclides with gamma energies below 1.5 millielectron volts (MeV) were detected, although the project report stated that subsequent sampling and analysis in some areas indicated bismuth-207 and bismuth 210m. No polonium-210 peaks were detected in the Site Survey Project samples, confirming that polonium-210, which was used at Mound Plant in the 1950s, is no longer present due to radioactive decay (half-life of 138.4 days). The LDLs for cesium-137, cobalt-60, and americium-241 were given with the original data, and were estimated to be 0.5 pCi/g for each. The LDLs for radium-226 and actinium-227 were estimated to be 1.0 pCi/g for both (Stought 1990). The Mound Plant procedure for gamma spectroscopy is provided in Appendix A.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AREA 1
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Building 53
Building 21
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Table IV.2. (page 9 of 12)

Plate 1 Location[a]	Coordinates South	Coordinates West	MRC ID No.	Mo-Yr	Depth (inch)	Plutonium-238 (pCi/g)	Thorium[b] (pCi/g)	Tritium (pCi/mL)	Cobalt-60 (pCi/g)	Cesium-137 (pCi/g)	Radium-226 (pCi/g)	Americium-241 (pCi/g)
C0264	3724.8	3254.3	None	04-84	0	NR	9.2					
			None	04-84	12	NR	1.7					
			None	04-84	24	NR	0.8					
			None	04-84	36	NR	0.5					
			None	04-84	48	NR	0.3					
C0265	3752.4	3322.9	None	04-84	0	NR	1.7					
			None	04-84	12	NR	1.3					
			None	04-84	24	NR	0.3					
			None	04-84	36	NR	0.3					
C0266	3808.2	3328.7	None	04-84	0	NR	1.0					
			None	04-84	12	NR	0.6					
			None	04-84	24	NR	0.4					
			None	04-84	36	NR	0.3					
			None	04-84	48	NR	0.4					
C0267	3670.8	3342.9	None	04-84	0	NR	0.4					
			None	04-84	12	NR	0.5					
			None	04-84	24	NR	0.4					
			None	04-84	36	NR	0.3					
C0268	3716.1	3400.6	None	04-84	0	NR	0.9					
			None	04-84	12	NR	0.4					
			None	04-84	24	NR	0.4					
			None	04-84	36	NR	0.4					
C0269	3751.3	3418.2	None	04-84	0	NR	0.6					
			None	04-84	12	NR	0.5					
			None	04-84	24	NR	0.2					
			None	04-84	36	NR	0.2					
			None	04-84	48	NR	0.3					

PRS

Table IV.2. (page 10 of 12)

Plate 1 Location[a]	Coordinates South	Coordinates West	MRC ID No.	Mo-Yr	Depth (inch)	Plutonium-238 (pCi/g)	Thorium[b] (pCi/g)	Tritium (pCi/mL)	Cobalt-60 (pCi/g)	Cesium-137 (pCi/g)	Radium-226 (pCi/g)	Americium-241 (pCi/g)
C0270	3791.9	3441.5	None	04-84	0	NR	0.3					
			None	04-84	12	NR	0.5					
			None	04-84	24	NR	0.5					
			None	04-84	36	NR	0.3					
			None	04-84	48	NR	0.3					
C0271	3865.9	3483.1	None	04-84	0	NR	0.6					
			None	04-84	12	NR	2.6					
			None	04-84	24	NR	0.5					
			None	04-84	36	NR	0.6					
			None	04-84	48	NR	0.3					
			None	04-84	60	NR	0.4					
			None	04-84	72	NR	0.3					
			None	04-84	96	NR	0.4					
			None	04-84	120	NR	0.4					
C0272	3801.1	3524.0	None	04-84	0	NR	0.6					
			None	04-84	12	NR	0.4					
			None	04-84	24	NR	0.5					
			None	04-84	36	NR	0.5					
			None	04-84	48	NR	<0.2					
C0273	3682.1	3413.3	None	04-84	0	NR	0.5					
			None	04-84	12	NR	0.9					
			None	04-84	24	NR	0.6					
			None	04-84	36	NR	0.4					
			None	04-84	48	NR	0.4					
			None	04-84	60	NR	0.3					

PRS

Table V.3. Mound Site Survey Project - Area 8

Plate 1 Location[a]	Coordinates South	Coordinates West	MRC ID No.	Mo-Yr	Depth (inch)	Plutonium-238 (pCi/g)	Thorium[b] (pCi/g)	Tritium (pCi/mL)	Cobalt-60 (pCi/g)	Cesium-137 (pCi/g)	Radium-226 (pCi/g)	Americium-241 (pCi/g)
'C0026	2362.7	2142.4	None	07-84	0	NR	13					
			None	07-84	12	NR	17					
			None	07-84	24	NR	33					
			None	07-84	36	NR	37					
			None	07-84	48	NR	30					
			None	07-84	60	NR	34					
			None	07-84	72	NR	37					
			None	07-84	84	NR	36					
			None	07-84	96	NR	39					
			None	07-84	108	NR	39					
			None	07-84	120	NR	34					
			None	07-84	132	NR	29					
C0027	2371.9	2104.9	None	07-84	0	NR	5.3					
			None	07-84	12	NR	29					
			None	07-84	24	NR	35					
			None	07-84	36	NR	53					
			None	07-84	48	NR	43					
			None	07-84	60	NR	34					
			None	07-84	72	NR	18					
			None	07-84	84	NR	12					
			None	07-84	96	NR	12					
			None	07-84	108	NR	10					
			None	07-84	120	NR	5.3					

[a]Map locations are given using a "C" to designate core locations and an "S" to designate surface locations.

[b]A "b" indicates that the total thorium concentration was less than the background level of 2.0 pCi/g, using FIDLER screening. Therefore, radiochemical analysis was not performed.

FIDLER - field instrument for the detection of low-energy radiation

LDL - The measured concentration was below the lower detection limit, estimated to be 0.5 pCi/g for cobalt-60, cesium-137, and americium-241; and 1 pCi/g for radium-226.

MRC ID - Monsanto Research Corporation Identification

None - No MRC ID was assigned because *in situ* gamma spectroscopy for thorium-232 was performed. The report on this procedure is provided in Appendix C.

NR - No result given

pCi/g - picocuries per gram

pCi/mL - picocuries per milliliter

ENVIRONMENTAL RESTORATION PROGRAM

BUILDING 21 AND SURROUNDING SOILS INVESTIGATION DATA REPORT

MOUND PLANT
MIAMISBURG, OHIO

June 1995

U.S. DEPARTMENT OF ENERGY
OHIO FIELD OFFICE

DECONTAMINATION AND DECOMMISSIONING PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES

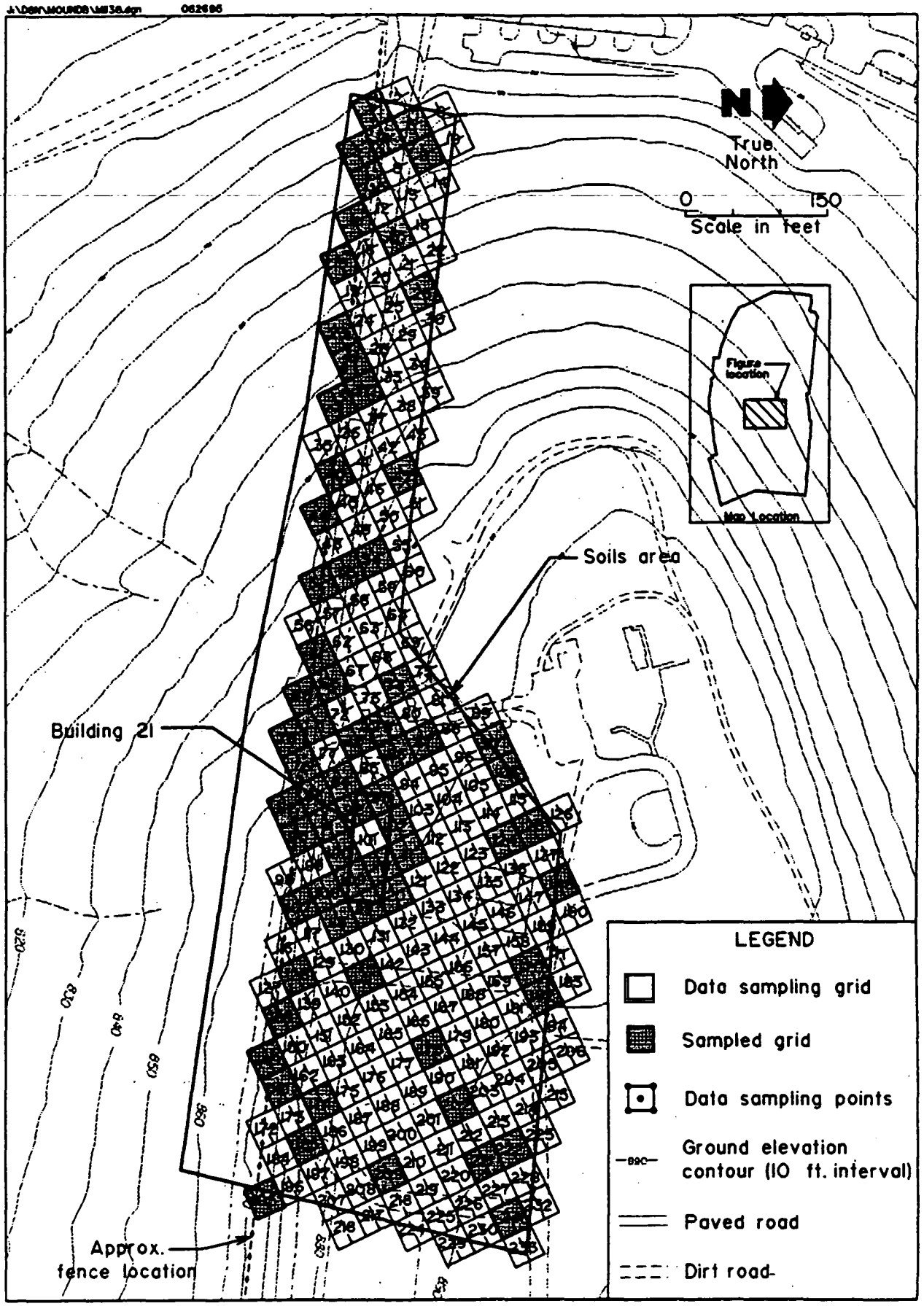


Figure 2.1. Location of soil sampling grid.

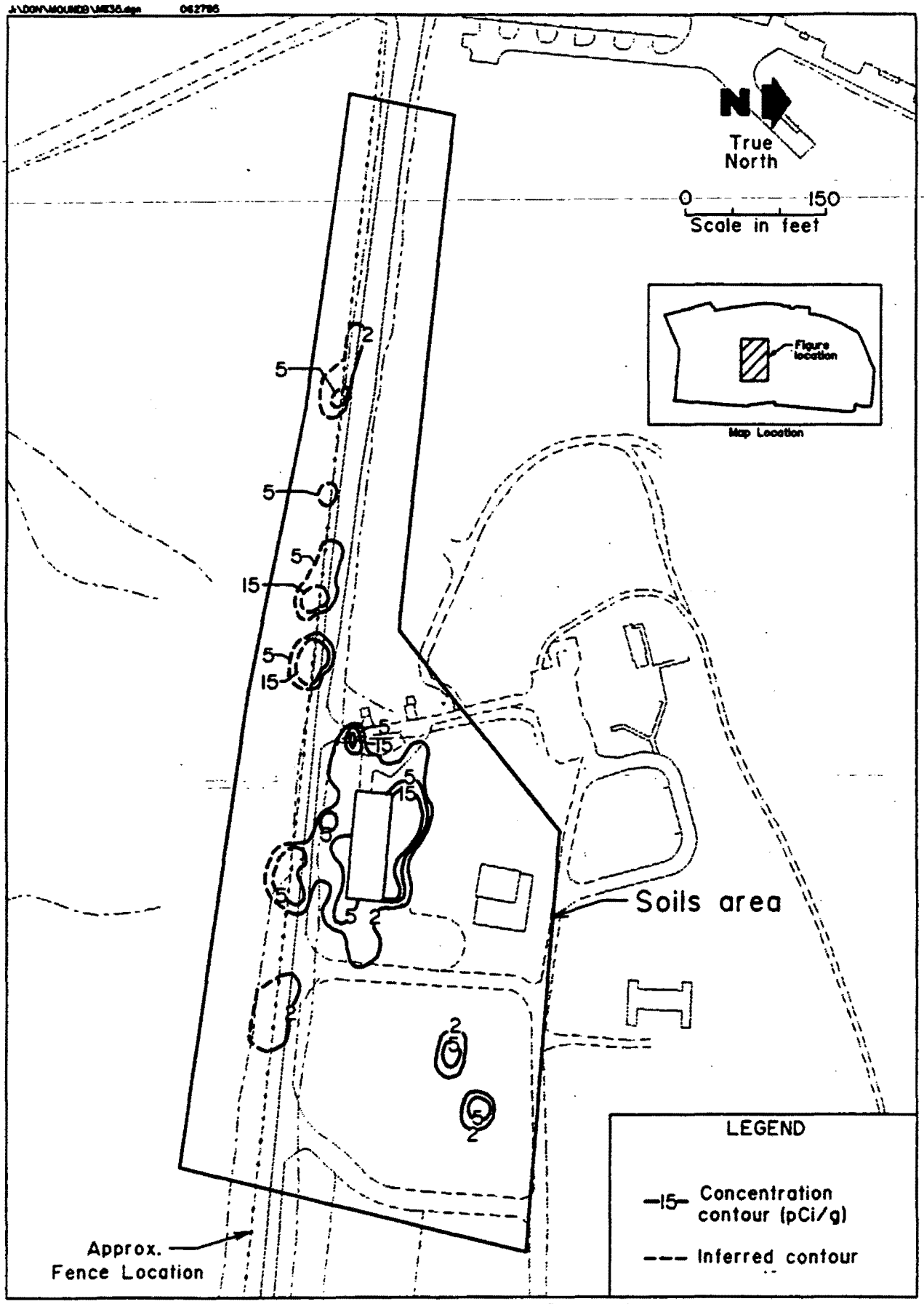


Figure 3.7. Distirbution of thorium-232 0"-12" depth.

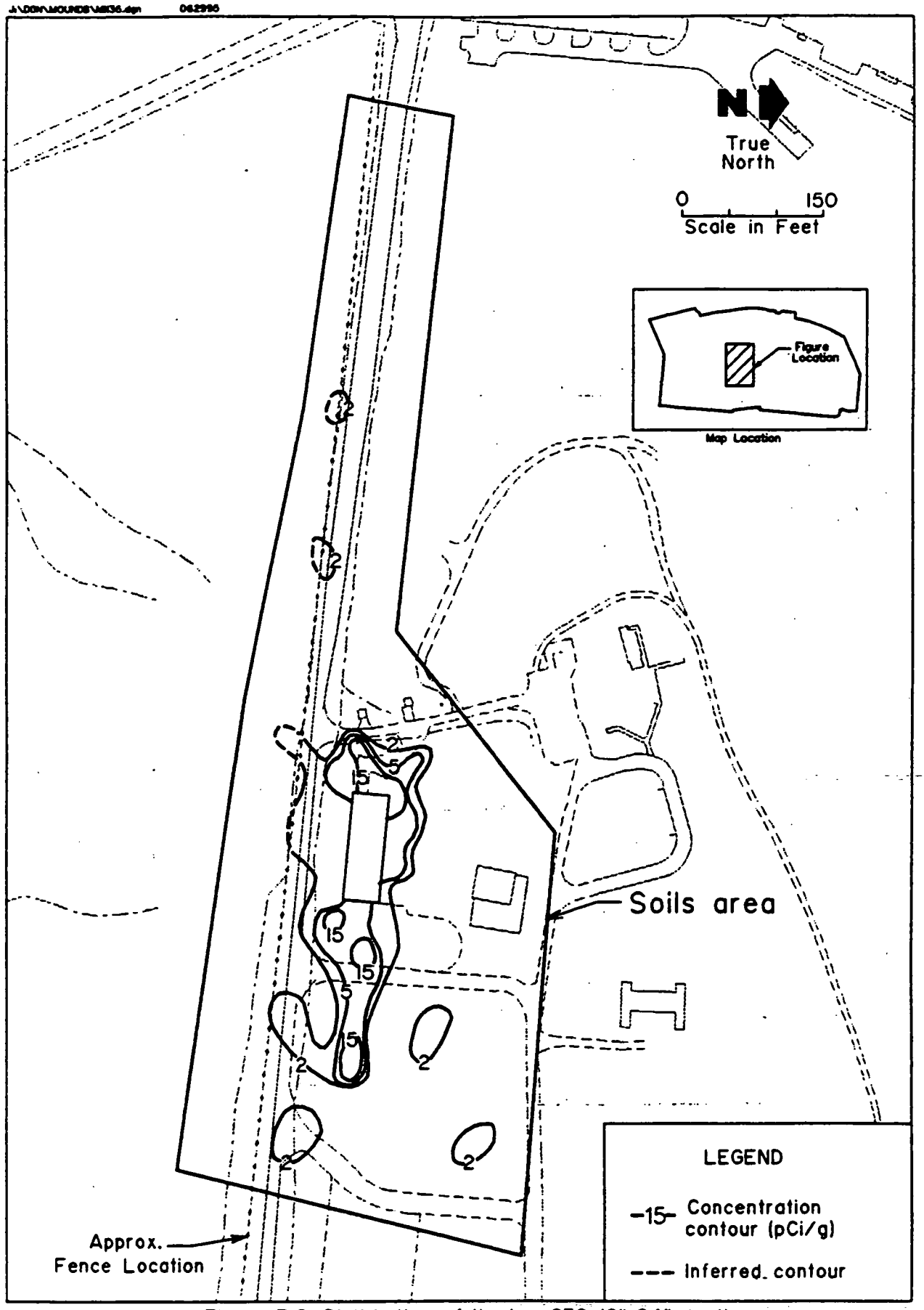


Figure 3.8. Distirbution of thorium-232 12"-24" depth.

Sample ID	Isotope	Total Error	Result	Q	MDA	Unit
NW0/1(118)	EU-152		4.96E-02	U	4.96E-02	PCI/G
NW0/1(118)	EU-154		6.82E-02	U	6.82E-02	PCI/G
NW0/1(118)	RA-224DA	8.65E-02	7.24E-01		0.00E+00	PCI/G
NW0/1(118)	RA-226DA	5.00E-02	2.99E-01		8.80E-02	PCI/G
NW0/1(118)	TH-232DA	1.14E-01	6.48E-01		0.00E+00	PCI/G
NW0/1(124)	AC-227DA		1.24E-01	U	1.24E-01	PCI/G
NW0/1(124)	AM-241	1.67E-01	4.15E-01		0.00E+00	PCI/G
NW0/1(124)	BI-210M		2.52E-02	U	2.52E-02	PCI/G
NW0/1(124)	CO-60		2.35E-02	U	2.35E-02	PCI/G
NW0/1(124)	CS-137DA	1.96E-02	2.26E-02		0.00E+00	PCI/G
NW0/1(124)	EU-152		5.82E-02	U	5.82E-02	PCI/G
NW0/1(124)	EU-154		6.79E-02	U	6.79E-02	PCI/G
NW0/1(124)	RA-224DA	5.23E-02	3.74E-01		0.00E+00	PCI/G
NW0/1(124)	RA-226DA	6.18E-02	2.61E-01		0.00E+00	PCI/G
NW0/1(124)	TH-232DA	1.09E-01	4.96E-01		0.00E+00	PCI/G
NW0/1(125)	AC-227DA		1.70E-01	U	1.70E-01	PCI/G
NW0/1(125)	AM-241		1.22E-01	U	1.22E-01	PCI/G
NW0/1(125)	BI-210M		3.15E-02	U	3.15E-02	PCI/G
NW0/1(125)	CO-60		2.97E-02	U	2.97E-02	PCI/G
NW0/1(125)	CS-137DA		3.42E-02	U	3.42E-02	PCI/G
NW0/1(125)	EU-152		6.66E-02	U	6.66E-02	PCI/G
NW0/1(125)	EU-154		9.01E-02	U	9.01E-02	PCI/G
NW0/1(125)	RA-224DA	6.74E-02	5.09E-01		0.00E+00	PCI/G
NW0/1(125)	RA-226DA	1.02E-01	6.74E-01		0.00E+00	PCI/G
NW0/1(125)	TH-232DA	1.29E-01	5.17E-01		0.00E+00	PCI/G
NW0/1(138)	AC-227DA		1.34E-01	U	1.34E-01	PCI/G
NW0/1(138)	AM-241		1.01E-01	U	1.01E-01	PCI/G
NW0/1(138)	BI-210M		2.71E-02	U	2.71E-02	PCI/G
NW0/1(138)	CO-60		2.12E-02	U	2.12E-02	PCI/G
NW0/1(138)	CS-137DA		2.40E-02	U	2.40E-02	PCI/G
NW0/1(138)	EU-152		5.56E-02	U	5.56E-02	PCI/G
NW0/1(138)	EU-154		6.91E-02	U	6.91E-02	PCI/G
NW0/1(138)	RA-224DA	5.30E-02	2.96E-01		0.00E+00	PCI/G
NW0/1(138)	RA-226DA	5.46E-02	3.28E-01		9.65E-02	PCI/G
NW0/1(138)	TH-232DA	9.13E-02	2.78E-01		0.00E+00	PCI/G
NW0/1(141)	AC-227DA		4.53E-01	U	4.53E-01	PCI/G
NW0/1(141)	AC-227DA		5.68E-01	U	5.68E-01	PCI/G
NW0/1(141)	AM-241		4.05E-01	U	4.05E-01	PCI/G
NW0/1(141)	AM-241		3.83E-01	U	3.83E-01	PCI/G
NW0/1(141)	BI-210M		1.01E-01	U	1.01E-01	PCI/G
NW0/1(141)	BI-210M		7.52E-02	U	7.52E-02	PCI/G
NW0/1(141)	CO-60		5.69E-02	U	5.69E-02	PCI/G
NW0/1(141)	CO-60		6.81E-02	U	6.81E-02	PCI/G
NW0/1(141)	CS-137DA	9.10E-02	1.93E-01		0.00E+00	PCI/G
NW0/1(141)	CS-137DA	5.91E-02	1.58E-01		0.00E+00	PCI/G
NW0/1(141)	EU-152		2.00E-01	U	2.00E-01	PCI/G
NW0/1(141)	EU-152		1.55E-01	U	1.55E-01	PCI/G
NW0/1(141)	EU-154		1.91E-01	U	1.91E-01	PCI/G
NW0/1(141)	EU-154		1.53E-01	U	1.53E-01	PCI/G
NW0/1(141)	RA-224DA	2.01E+00	1.99E+01		0.00E+00	PCI/G

PRS

Building 21 Report: Soil Gamma Spectroscopy Results

PRS

Sample ID	Isotope	Total Error	Result	Q	MDA	Unit
NW0/1(141)	RA-224DA	2.24E+00	2.23E+01		0.00E+00	PCI/G
NW0/1(141)	RA-226DA	1.99E-01	1.01E+00		0.00E+00	PCI/G
NW0/1(141)	RA-228DA	1.70E-01	1.19E+00		0.00E+00	PCI/G
NW0/1(141)	TH-232DA	2.16E+00	2.12E+01		0.00E+00	PCI/G
NW0/1(141)	TH-232DA	1.96E+00	1.87E+01		0.00E+00	PCI/G
NW0/1(148)	AC-227DA		2.17E-01	U	2.17E-01	PCI/G
NW0/1(148)	AC-227DA		2.35E-01	U	2.35E-01	PCI/G
NW0/1(148)	AM-241		2.25E-01	U	2.25E-01	PCI/G
NW0/1(148)	AM-241		1.87E-01	U	1.87E-01	PCI/G
NW0/1(148)	BI-210M		4.61E-02	U	4.61E-02	PCI/G
NW0/1(148)	BI-210M		4.03E-02	U	4.03E-02	PCI/G
NW0/1(148)	CO-60		3.67E-02	U	3.67E-02	PCI/G
NW0/1(148)	CO-60		3.62E-02	U	3.62E-02	PCI/G
NW0/1(148)	CS-137DA	2.56E-02	7.61E-02		5.00E-02	PCI/G
NW0/1(148)	CS-137DA	3.99E-02	8.30E-02		0.00E+00	PCI/G
NW0/1(148)	EU-152		9.19E-02	U	9.19E-02	PCI/G
NW0/1(148)	EU-152		8.52E-02	U	8.52E-02	PCI/G
NW0/1(148)	EU-154		1.11E-01	U	1.11E-01	PCI/G
NW0/1(148)	EU-154		1.42E-01	U	1.42E-01	PCI/G
NW0/1(148)	RA-224DA	1.41E-01	1.23E+00		0.00E+00	PCI/G
NW0/1(148)	RA-224DA	1.38E-01	1.19E+00		0.00E+00	PCI/G
NW0/1(148)	RA-226DA	1.49E-01	1.09E+00		0.00E+00	PCI/G
NW0/1(148)	RA-226DA	1.61E-01	1.08E+00		0.00E+00	PCI/G
NW0/1(148)	TH-232DA	2.01E-01	1.15E+00		0.00E+00	PCI/G
NW0/1(148)	TH-232DA	2.21E-01	1.41E+00		0.00E+00	PCI/G
NW0/1(151)	AC-227DA		1.72E-01	U	1.72E-01	PCI/G
NW0/1(151)	AM-241		1.90E-01	U	1.90E-01	PCI/G
NW0/1(151)	BI-210M		3.52E-02	U	3.52E-02	PCI/G
NW0/1(151)	CO-60		3.44E-02	U	3.44E-02	PCI/G
NW0/1(151)	CS-137DA	2.23E-02	6.59E-02		4.37E-02	PCI/G
NW0/1(151)	EU-152		7.45E-02	U	7.45E-02	PCI/G
NW0/1(151)	EU-154		7.52E-02	U	7.52E-02	PCI/G
NW0/1(151)	RA-224DA	1.49E-01	1.33E+00		0.00E+00	PCI/G
NW0/1(151)	RA-226DA	8.49E-02	5.04E-01		0.00E+00	PCI/G
NW0/1(151)	TH-232DA	1.99E-01	1.18E+00		0.00E+00	PCI/G
NW0/1(161)	AC-227DA		1.34E-01	U	1.34E-01	PCI/G
NW0/1(161)	AM-241		1.02E-01	U	1.02E-01	PCI/G
NW0/1(161)	BI-210M		2.80E-02	U	2.80E-02	PCI/G
NW0/1(161)	CO-60		2.36E-02	U	2.36E-02	PCI/G
NW0/1(161)	CS-137DA		3.62E-02	U	3.62E-02	PCI/G
NW0/1(161)	EU-152		5.92E-02	U	5.92E-02	PCI/G
NW0/1(161)	EU-154		8.96E-02	U	8.96E-02	PCI/G
NW0/1(161)	RA-224DA	5.75E-02	4.11E-01		0.00E+00	PCI/G
NW0/1(161)	RA-226DA	5.77E-02	3.87E-01		1.06E-01	PCI/G
NW0/1(161)	TH-232DA	1.13E-01	3.98E-01		0.00E+00	PCI/G
NW0/1(170)	AC-227DA		1.61E-01	U	1.61E-01	PCI/G
NW0/1(170)	AM-241		1.49E-01	U	1.49E-01	PCI/G
NW0/1(170)	BI-210M		3.28E-02	U	3.28E-02	PCI/G
NW0/1(170)	CO-60		3.91E-02	U	3.91E-02	PCI/G
NW0/1(170)	CS-137DA	2.64E-02	4.52E-02		0.00E+00	PCI/G

Building 21 Report: pH RESULTS

PRS

Sample ID			Matrix	Analyte Name	Reported Conc.	Units
CC	0/1	-124	SOIL	pH	8.42	pH Units
CC	0/2	-124	SOIL	pH	7.67	pH Units
CC	0/1	-125	SOIL	pH	9.09	pH Units
CC	0/2	-125	SOIL	pH	7.58	pH Units
CC	0/2	-138	SOIL	pH	7.69	pH Units
CC	0/1	-138	SOIL	pH	8.77	pH Units
CC	0/1	-141	SOIL	pH	8.81	pH Units
CC	0/2	-141	SOIL	pH	8.49	pH Units
CC	0/1	-148	SOIL	pH	7.81	pH Units
CC	0/2	-148	SOIL	pH	7.46	pH Units
CC	0/2	-151	SOIL	pH	7.66	pH Units
CC	0/1	-151	SOIL	pH	8.78	pH Units
CC	0/2	-161	SOIL	pH	7.84	pH Units
CC	0/1	-161	SOIL	pH	8.83	pH Units
CC	0/2	-163	SOIL	pH	7.31	pH Units
CC	0/1	-163	SOIL	pH	7.84	pH Units
CC	0/1	-170	SOIL	pH	8.31	pH Units
CC	0/2	-170	SOIL	pH	6.79	pH Units
CC	0/1	-174	SOIL	pH	8.57	pH Units
CC	0/1	-178	SOIL	pH	8.68	pH Units
CC	0/2	-178	SOIL	pH	7.69	pH Units
CC	0/1	-182	SOIL	pH	8.75	pH Units
CC	0/2	-182	SOIL	pH	8.69	pH Units
CC	0/1	-185	SOIL	pH	8.52	pH Units
CC	0/1	-187	SOIL	pH	8.43	pH Units
CC	0/2	-187	SOIL	pH	7.64	pH Units
CC	0/1	-196	SOIL	pH	8.79	pH Units
CC	0/1	-202	SOIL	pH	8.52	pH Units
CC	0/2	-202	SOIL	pH	7.58	pH Units
CC	1/2	-202	SOIL	pH	7.39	pH Units
CC	0/1	-209	SOIL	pH	8.24	pH Units
CC	0/2	-209	SOIL	pH	7.74	pH Units
CC	0/1	-221	SOIL	pH	8.88	pH Units
CC	0/2	-221	SOIL	pH	8.29	pH Units
CC	1/1	-221	SOIL	pH	8.78	pH Units
CC	0/1	-222	SOIL	pH	8.79	pH Units
CC	0/2	-222	SOIL	pH	7.95	pH Units
CC	0/1	-231	SOIL	pH	8.86	pH Units
CC	0/2	-231	SOIL	pH	7.74	pH Units

Building 21 Report: PCB RESULTS

Sampe ID	Matrix	Analyte Name	Concentration	Lab Qualifier	Units
CC 0/2 124	SOIL	AROCLOR-1016	39	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1221	78	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1232	39	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1242	39	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1248	39	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1254	39	U	mg/kg
CC 0/2 124	SOIL	AROCLOR-1260	39	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1254	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1254	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1016	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1221	66	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1232	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1242	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1248	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1254	33	U	mg/kg
CC 0/2 125	SOIL	AROCLOR-1260	33	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1016	40	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1221	81	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1232	40	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1242	40	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1248	40	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1254	40	U	mg/kg
CC 0/2 138	SOIL	AROCLOR-1260	40	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1016	35	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1221	70	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1232	35	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1242	35	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1248	35	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1254	35	U	mg/kg
CC 0/2 141	SOIL	AROCLOR-1260	35	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1016	39	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1221	77	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1232	39	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1242	39	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1248	39	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1254	39	U	mg/kg
CC 0/2 148	SOIL	AROCLOR-1260	39	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1016	42	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1221	84	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1232	42	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1242	42	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1248	42	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1254	42	U	mg/kg
CC 0/2 151	SOIL	AROCLOR-1260	42	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1016	40	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1221	81	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1232	40	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1242	40	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1248	40	U	mg/kg
CC 0/2 161	SOIL	AROCLOR-1254	40	U	mg/kg

PRS

Building 21 Report: VOA RESULTS

Sample ID			Matrix	Analyte	Analyte Name	Reported Conc.	Lab Qualifier
CC	0/2	138	SOIL	VOC	1,2,4-trimethylbenzene	6	U
CC	0/2	138	SOIL	VOC	sec-butylbenzene	6	U
CC	0/2	138	SOIL	VOC	4-isopropyltoluene	6	U
CC	0/2	138	SOIL	VOC	1,3-Dichlorobenzene	6	U
CC	0/2	138	SOIL	VOC	1,4-Dichlorobenzene	6	U
CC	0/2	138	SOIL	VOC	n-butylbenzene	6	U
CC	0/2	138	SOIL	VOC	1,2-Dichlorobenzene	6	U
CC	0/2	138	SOIL	VOC	1,2-dibromo-3-chloropropane	6	U
CC	0/2	138	SOIL	VOC	1,2,4-Trichlorobenzene	6	U
CC	0/2	138	SOIL	VOC	1,2,3-trichloropropane	6	U
CC	0/2	138	SOIL	VOC	Hexachlorobutadiene	6	U
CC	0/2	138	SOIL	VOC	Naphthalene	6	U
CC	0/2	138	SOIL	VOC	1,2,3-trichlorobenzene	6	U
CC	0/2	138	SOIL	VOC	n-propylbenzene	6	U
CC	0/2	141	SOIL	VOC	Dichlorodifluoromethane	5	U
CC	0/2	141	SOIL	VOC	Chloromethane	5	U
CC	0/2	141	SOIL	VOC	Vinyl Chloride	5	U
CC	0/2	141	SOIL	VOC	Bromomethane	5	U
CC	0/2	141	SOIL	VOC	Chloroethane	5	U
CC	0/2	141	SOIL	VOC	Trichlorofluoromethane	5	U
CC	0/2	141	SOIL	VOC	1,1-Dichloroethene	5	U
CC	0/2	141	SOIL	VOC	Methylene Chloride	110	B
CC	0/2	141	SOIL	VOC	trans-1,2-dichloroethene	5	U
CC	0/2	141	SOIL	VOC	1,1-Dichloroethane	5	U
CC	0/2	141	SOIL	VOC	2,2-dichloropropane	5	U
CC	0/2	141	SOIL	VOC	cis-1,2-dichloroethene	5	U
CC	0/2	141	SOIL	VOC	Chloroform	5	U
CC	0/2	141	SOIL	VOC	Bromochloromethane	5	U
CC	0/2	141	SOIL	VOC	1,1,1-Trichloroethane	5	U
CC	0/2	141	SOIL	VOC	1,1-dichloropropene	5	U
CC	0/2	141	SOIL	VOC	Carbon Tetrachloride	5	U
CC	0/2	141	SOIL	VOC	Benzene	5	U
CC	0/2	141	SOIL	VOC	1,2-Dichloroethane	5	U
CC	0/2	141	SOIL	VOC	Trichloroethene	5	U
CC	0/2	141	SOIL	VOC	1,2-Dichloropropane	5	U
CC	0/2	141	SOIL	VOC	Bromodichloromethane	5	U
CC	0/2	141	SOIL	VOC	Dibromomethane	5	U
CC	0/2	141	SOIL	VOC	cis-1,3-Dichloropropene	5	U
CC	0/2	141	SOIL	VOC	Toluene	5	U
CC	0/2	141	SOIL	VOC	trans-1,3-Dichloropropene	5	U
CC	0/2	141	SOIL	VOC	1,1,2-Trichloroethane	5	U
CC	0/2	141	SOIL	VOC	Tetrachloroethene	5	U
CC	0/2	141	SOIL	VOC	1,3-dichloropropane	5	U
CC	0/2	141	SOIL	VOC	Dibromochloromethane	5	U
CC	0/2	141	SOIL	VOC	1,2-dibromoethane	5	U
CC	0/2	141	SOIL	VOC	Chlorobenzene	5	U
CC	0/2	141	SOIL	VOC	Ethylbenzene	5	U
CC	0/2	141	SOIL	VOC	1,1,1,2-tetrachloroethane	5	U
CC	0/2	141	SOIL	VOC	m-&p-xylene	5	U
CC	0/2	141	SOIL	VOC	O-xylene	5	U
CC	0/2	141	SOIL	VOC	Styrene	5	U
CC	0/2	141	SOIL	VOC	isopropylbenzene	5	U

PRS

Building 21 Report: TOC RESULTS

Sample ID	Matrix	Analyte Name	Concentration	Units
CC 0/1 -108	SOIL	Total Organic Carbon	78800	mg/kg
CC 0/2 -108	SOIL	Total Organic Carbon	18600	mg/kg
CC 0/1 -111	SOIL	Total Organic Carbon	22700	mg/kg
CC 0/2 -111	SOIL	Total Organic Carbon	63800	mg/kg
CC 0/1 -118	SOIL	Total Organic Carbon	47200	mg/kg
CC 0/2 -118	SOIL	Total Organic Carbon	30700	mg/kg
CC 0/1 -119	SOIL	Total Organic Carbon	31700	mg/kg
CC 0/2 -119	SOIL	Total Organic Carbon	15700	mg/kg
CC 0/1 -120	SOIL	Total Organic Carbon	42600	mg/kg
CC 0/2 -120	SOIL	Total Organic Carbon	38600	mg/kg
CC 0/1 -124	SOIL	Total Organic Carbon	60600	mg/kg
CC 0/2 -124	SOIL	Total Organic Carbon	8790	mg/kg
CC 0/2 -125	SOIL	Total Organic Carbon	46600	mg/kg
CC 0/2 -125	SOIL	Total Organic Carbon	6380	mg/kg
CC 0/1 -138	SOIL	Total Organic Carbon	122000	mg/kg
CC 0/2 -138	SOIL	Total Organic Carbon	11300	mg/kg
CC 0/1 -141	SOIL	Total Organic Carbon	87800	mg/kg
CC 0/2 -141	SOIL	Total Organic Carbon	79800	mg/kg
CC 0/1 -148	SOIL	Total Organic Carbon	13400	mg/kg
CC 0/2 -148	SOIL	Total Organic Carbon	8550	mg/kg
CC 0/1 -151	SOIL	Total Organic Carbon	88700	mg/kg
CC 0/2 -151	SOIL	Total Organic Carbon	4580	mg/kg
CC 0/1 -161	SOIL	Total Organic Carbon	99700	mg/kg
CC 0/2 -161	SOIL	Total Organic Carbon	1420	mg/kg
CC 0/1 -163	SOIL	Total Organic Carbon	79300	mg/kg
CC 0/2 -163	SOIL	Total Organic Carbon	58400	mg/kg
CC 0/1 -170	SOIL	Total Organic Carbon	49200	mg/kg
CC 0/2 -170	SOIL	Total Organic Carbon	12300	mg/kg
CC 0/1 -174	SOIL	Total Organic Carbon	70400	mg/kg
CC 0/1 -178	SOIL	Total Organic Carbon	57100	mg/kg
CC 0/2 -178	SOIL	Total Organic Carbon	7570	mg/kg
CC 0/1 -182	SOIL	Total Organic Carbon	67800	mg/kg
CC 0/2 -182	SOIL	Total Organic Carbon	16500	mg/kg
CC 0/1 -185	SOIL	Total Organic Carbon	105000	mg/kg
CC 0/1 -187	SOIL	Total Organic Carbon	99100	mg/kg
CC 0/2 -187	SOIL	Total Organic Carbon	5900	mg/kg
CC 0/1 -196	SOIL	Total Organic Carbon	175000	mg/kg
CC 0/1 -202	SOIL	Total Organic Carbon	116000	mg/kg
CC 0/2 -202	SOIL	Total Organic Carbon	8600	mg/kg
CC 1/2 -202	SOIL	Total Organic Carbon	5870	mg/kg
CC 0/1 -209	SOIL	Total Organic Carbon	86300	mg/kg
CC 0/2 -209	SOIL	Total Organic Carbon	21400	mg/kg
CC 0/1 -221	SOIL	Total Organic Carbon	136000	mg/kg
CC 0/2 -221	SOIL	Total Organic Carbon	109000	mg/kg
CC 1/1 -221	SOIL	Total Organic Carbon	127000	mg/kg
CC 0/1 -222	SOIL	Total Organic Carbon	160000	mg/kg
CC 0/2 -222	SOIL	Total Organic Carbon	39800	mg/kg
CC 0/1 -231	SOIL	Total Organic Carbon	100000	mg/kg
CC 0/1 -47	SOIL	Total Organic Carbon	36600	mg/kg

PRS

Building 21 Report: TOX RESULTS

PRS

Sample ID	Matrix	Analyte Name	Laboratory Reporting Limit	Conc./Lab Qualifier	Units
~~CC 0/2 -138~~	~~SOIL~~	~~Total Organic Halides~~	~~6.02~~	~~6.79~~	~~mg/kg~~
CC 0/1 -141	SOIL	Total Organic Halides	5.3	U	mg/kg
CC 0/2 -141	SOIL	Total Organic Halides	5.96	9.1	mg/kg
CC 0/1 -148	SOIL	Total Organic Halides	6.17	11.4	mg/kg
CC 0/2 -148	SOIL	Total Organic Halides	6.32	19	mg/kg
CC 0/1 -151	SOIL	Total Organic Halides	5.49	U	mg/kg
CC 0/2 -151	SOIL	Total Organic Halides	6.25	8.66	mg/kg
CC 0/1 -161	SOIL	Total Organic Halides	6.12	6.54	mg/kg
CC 0/2 -161	SOIL	Total Organic Halides	6.22	U	mg/kg
CC 0/1 -163	SOIL	Total Organic Halides	6.15	U	mg/kg
CC 0/2 -163	SOIL	Total Organic Halides	6.17	U	mg/kg
CC 0/1 -170	SOIL	Total Organic Halides	5.77	U	mg/kg
CC 0/2 -170	SOIL	Total Organic Halides	5.76	52.7	mg/kg
CC 0/1 -174	SOIL	Total Organic Halides	5.42	73.1	mg/kg
CC 0/1 -178	SOIL	Total Organic Halides	5.44	U	mg/kg
CC 0/2 -178	SOIL	Total Organic Halides	5.77	U	mg/kg
CC 0/1 -182	SOIL	Total Organic Halides	5.35	73.7	mg/kg
CC 0/2 -182	SOIL	Total Organic Halides	5.23	81.1	mg/kg
CC 0/1 -185	SOIL	Total Organic Halides	5.47	7.07	mg/kg
CC 0/1 -187	SOIL	Total Organic Halides	5.54	16.2	mg/kg
CC 0/2 -187	SOIL	Total Organic Halides	6.17	16.2	mg/kg
CC 0/1 -196	SOIL	Total Organic Halides	5.79	26.7	mg/kg
CC 0/1 -202	SOIL	Total Organic Halides	5.37	74	mg/kg
CC 0/2 -202	SOIL	Total Organic Halides	5.73	12.1	mg/kg
CC 1/2 -202	SOIL	Total Organic Halides	5.85	U	mg/kg
CC 0/1 -209	SOIL	Total Organic Halides	6.04	6.91	mg/kg
CC 0/2 -209	SOIL	Total Organic Halides	5.79	U	mg/kg
CC 0/1 -221	SOIL	Total Organic Halides	5.45	11.9	mg/kg
CC 0/2 -221	SOIL	Total Organic Halides	5.8	8.01	mg/kg
CC 1/1 -221	SOIL	Total Organic Halides	5.46	15.7	mg/kg
CC 0/1 -222	SOIL	Total Organic Halides	5.46	10.2	mg/kg
CC 0/2 -222	SOIL	Total Organic Halides	5.48	U	mg/kg
CC 0/1 -231	SOIL	Total Organic Halides	5.82	15.8	mg/kg
CC 0/2 -231	SOIL	Total Organic Halides	5.89	23.6	mg/kg

Building 21 Report: CYANIDE RESULTS

Sample ID	Analyte Name	Laboratory Reporting Limit	Conc./Lab Qualifier	Units
CC 0/2 -76	Cyanide Analysis - Solid	0.55	U	mg/kg
CC 0/3 -76	Cyanide Analysis - Solid	0.68	U	mg/kg
CC 0/1 -78	Cyanide Analysis - Solid	0.57	U	mg/kg
CC 0/2 -78	Cyanide Analysis - Solid	0.59	U	mg/kg
CC 0/1 -79	Cyanide Analysis - Solid	0.53	U	mg/kg
CC 0/2 -79	Cyanide Analysis - Solid	0.53	U	mg/kg
CC 0/1 -83	Cyanide Analysis - Solid	0.77	U	mg/kg
CC 0/2 -83	Cyanide Analysis - Solid	0.68	U	mg/kg
CC 0/1 -84	Cyanide Analysis - Solid	0.52	U	mg/kg
CC 0/2 -84	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/1 -86	Cyanide Analysis - Solid	0.59	U	mg/kg
CC 0/2 -86	Cyanide Analysis - Solid	0.57	U	mg/kg
CC 0/1 -87	Cyanide Analysis - Solid	0.57	U	mg/kg
CC 0/2 -87	Cyanide Analysis - Solid	0.55	U	mg/kg
CC 0/1 -90	Cyanide Analysis - Solid	0.59	U	mg/kg
CC 0/2 -90	Cyanide Analysis - Solid	0.58	1.67	mg/kg
CC 0/1 -91	Cyanide Analysis - Solid	0.53	U	mg/kg
CC 0/2 -91	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/1 -92	Cyanide Analysis - Solid	0.55	U	mg/kg
CC 0/2 -92	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/1 -93	Cyanide Analysis - Solid	0.66	U	mg/kg
CC 0/1 -97	Cyanide Analysis - Solid	0.58	U	mg/kg
CC 0/2 -97	Cyanide Analysis - Solid	0.6	U	mg/kg
CC 0/1 -100	Cyanide Analysis - Solid	0.54	U	mg/kg
CC 0/2 -100	Cyanide Analysis - Solid	0.54	U	mg/kg
CC 0/1 -102	Cyanide Analysis - Solid	0.64	U	mg/kg
CC 0/2 -102	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/1 -106	Cyanide Analysis - Solid	0.6	U	mg/kg
CC 0/2 -106	Cyanide Analysis - Solid	0.62	U	mg/kg
CC 0/1 -107	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/2 -107	Cyanide Analysis - Solid	0.59	U	mg/kg
CC 0/1 -108	Cyanide Analysis - Solid	0.61	U	mg/kg
CC 0/2 -108	Cyanide Analysis - Solid	0.58	U	mg/kg
CC 0/1 -111	Cyanide Analysis - Solid	0.54	U	mg/kg
CC 0/2 -111	Cyanide Analysis - Solid	0.6	U	mg/kg
CC 0/1 -118	Cyanide Analysis - Solid	0.56	U	mg/kg
CC 0/2 -118	Cyanide Analysis - Solid	0.53	U	mg/kg
CC 0/1 -119	Cyanide Analysis - Solid	0.6	U	mg/kg
CC 0/2 -119	Cyanide Analysis - Solid	0.6	U	mg/kg
CC 0/1 -120	Cyanide Analysis - Solid	0.63	U	mg/kg
CC 0/2 -120	Cyanide Analysis - Solid	0.58	U	mg/kg
CC 0/1 -124	Cyanide Analysis - Solid	0.54	U	mg/kg
CC 0/2 -124	Cyanide Analysis - Solid	0.79	U	mg/kg
CC 0/1 -125	Cyanide Analysis - Solid	0.51	U	mg/kg
CC 0/2 -125	Cyanide Analysis - Solid	0.55	U	mg/kg
CC 0/1 -138	Cyanide Analysis - Solid	0.57	U	mg/kg
CC 0/2 -138	Cyanide Analysis - Solid	0.57	U	mg/kg
CC 0/1 -141	Cyanide Analysis - Solid	0.5	U	mg/kg
CC 0/2 -141	Cyanide Analysis - Solid	0.55	U	mg/kg

PRS

Building 21 Report: SULFIDE RESULTS

Sample ID	Matrix	Analyte Name	Laboratory Reporting Limit	Conc./Lab Qualifier	Units
CC 0/2 -76	SOIL	Sulfide in Solid	28.7	U	mg/kg
CC 0/3 -76	SOIL	Sulfide in Solid	28.7	U	mg/kg
CC 0/1 -78	SOIL	Sulfide in Solid	13.7	U	mg/kg
CC 0/2 -78	SOIL	Sulfide in Solid	14.4	U	mg/kg
CC 0/1 -79	SOIL	Sulfide in Solid	21.5	25.5	mg/kg
CC 0/2 -79	SOIL	Sulfide in Solid	21.5	25.8	mg/kg
CC 0/1 -83	SOIL	Sulfide in Solid	19.1	25.4	mg/kg
CC 0/2 -83	SOIL	Sulfide in Solid	17.1	U	mg/kg
CC 0/1 -84	SOIL	Sulfide in Solid	13.2	17.5	mg/kg
CC 0/2 -84	SOIL	Sulfide in Solid	13.9	23.1	mg/kg
CC 0/1 -86	SOIL	Sulfide in Solid	39.3	U	mg/kg
CC 0/2 -86	SOIL	Sulfide in Solid	38.3	U	mg/kg
CC 0/1 -87	SOIL	Sulfide in Solid	38.4	U	mg/kg
CC 0/2 -87	SOIL	Sulfide in Solid	37.9	U	mg/kg
CC 0/1 -90	SOIL	Sulfide in Solid	24.3	28.9	mg/kg
CC 0/2 -90	SOIL	Sulfide in Solid	24.4	U	mg/kg
CC 0/1 -91	SOIL	Sulfide in Solid	34.8	U	mg/kg
CC 0/2 -91	SOIL	Sulfide in Solid	38.7	U	mg/kg
CC 0/1 -92	SOIL	Sulfide in Solid	13.5	U	mg/kg
CC 0/2 -92	SOIL	Sulfide in Solid	14.2	U	mg/kg
CC 0/1 -93	SOIL	Sulfide in Solid	42.6	U	mg/kg
CC 0/1 -97	SOIL	Sulfide in Solid	19.9	U	mg/kg
CC 0/2 -97	SOIL	Sulfide in Solid	20.8	U	mg/kg
CC 0/1 -100	SOIL	Sulfide in Solid	37.2	U	mg/kg
CC 0/2 -100	SOIL	Sulfide in Solid	36.7	U	mg/kg
CC 0/1 -102	SOIL	Sulfide in Solid	37	U	mg/kg
CC 0/2 -102	SOIL	Sulfide in Solid	14.6	19.4	mg/kg
CC 0/1 -106	SOIL	Sulfide in Solid	19.9	U	mg/kg
CC 0/2 -106	SOIL	Sulfide in Solid	19.9	U	mg/kg
CC 0/1 -107	SOIL	Sulfide in Solid	22.5	27	mg/kg
CC 0/2 -107	SOIL	Sulfide in Solid	23.8	28.5	mg/kg
CC 0/1 -108	SOIL	Sulfide in Solid	40.5	U	mg/kg
CC 0/2 -108	SOIL	Sulfide in Solid	40.5	U	mg/kg
CC 0/1 -111	SOIL	Sulfide in Solid	36.3	U	mg/kg
CC 0/2 -111	SOIL	Sulfide in Solid	38.5	U	mg/kg
CC 0/1 -118	SOIL	Sulfide in Solid	38.4	U	mg/kg
CC 0/2 -118	SOIL	Sulfide in Solid	36.9	59.9	mg/kg
CC 0/1 -119	SOIL	Sulfide in Solid	38.8	U	mg/kg
CC 0/2 -119	SOIL	Sulfide in Solid	38.7	U	mg/kg
CC 0/1 -120	SOIL	Sulfide in Solid	40.7	U	mg/kg
CC 0/2 -120	SOIL	Sulfide in Solid	37.3	U	mg/kg
CC 0/1 -124	SOIL	Sulfide in Solid	18.5	U	mg/kg
CC 0/2 -124	SOIL	Sulfide in Solid	25.7	U	mg/kg
CC 0/1 -125	SOIL	Sulfide in Solid	17.4	21.6	mg/kg
CC 0/2 -125	SOIL	Sulfide in Solid	18.4	27.4	mg/kg
CC 0/1 -138	SOIL	Sulfide in Solid	25.1	U	mg/kg
CC 0/2 -138	SOIL	Sulfide in Solid	24.1	U	mg/kg
CC 0/1 -141	SOIL	Sulfide in Solid	12.7	16.9	mg/kg
CC 0/2 -141	SOIL	Sulfide in Solid	14.3	19.1	mg/kg

PRS

Building 21 Report: METALS RESULTS

Sample ID	Matrix	Analyte Name	Laboratory Reporting Limit	Concentration	Lab Qualiifier	Units
CC 0/2 -138	SED	Manganese	15	751		mg/kg
CC 0/2 -138	SED	Mercury	0.2	0.057	U	mg/kg
CC 0/2 -138	SED	Nickel	40	16.8		mg/kg
CC 0/2 -138	SED	Potassium	5000	1280		mg/kg
CC 0/2 -138	SED	Selenium	5	0.69		mg/kg
CC 0/2 -138	SED	Silver	10	2.1		mg/kg
CC 0/2 -138	SED	Sodium	5000	2830		mg/kg
CC 0/2 -138	SED	Thallium	10	0.4	U	mg/kg
CC 0/2 -138	SED	Vanadium	50	27.7		mg/kg
CC 0/2 -138	SED	Zinc	20	50.1		mg/kg
CC 0/2 -141	SED	Aluminum	200	11900		mg/kg
CC 0/2 -141	SED	Antimony	60	2.7	U	mg/kg
CC 0/2 -141	SED	Arsenic	10	18.5		mg/kg
CC 0/2 -141	SED	Barium	200	96.1		mg/kg
CC 0/2 -141	SED	Beryllium	5	0.85		mg/kg
CC 0/2 -141	SED	Cadmium	5	0.33	U	mg/kg
CC 0/2 -141	SED	Calcium	5000	10300		mg/kg
CC 0/2 -141	SED	Chromium	10	15.2		mg/kg
CC 0/2 -141	SED	Cobalt	50	11.2		mg/kg
CC 0/2 -141	SED	Copper	25	16.7		mg/kg
CC 0/2 -141	SED	Iron	100	23800		mg/kg
CC 0/2 -141	SED	Lead	3	20.5		mg/kg
CC 0/2 -141	SED	Magnesium	5000	3900		mg/kg
CC 0/2 -141	SED	Manganese	15	561		mg/kg
CC 0/2 -141	SED	Mercury	0.2	0.06	U	mg/kg
CC 0/2 -141	SED	Nickel	40	17.7		mg/kg
CC 0/2 -141	SED	Potassium	5000	1220		mg/kg
CC 0/2 -141	SED	Selenium	5	0.6	U	mg/kg
CC 0/2 -141	SED	Silver	10	0.57	U	mg/kg
CC 0/2 -141	SED	Sodium	5000	1050		mg/kg
CC 0/2 -141	SED	Thallium	10	0.41	U	mg/kg
CC 0/2 -141	SED	Vanadium	50	26.1		mg/kg
CC 0/2 -141	SED	Zinc	20	59.3		mg/kg
CC 0/2 -148	SED	Aluminum	200	12500		mg/kg
CC 0/2 -148	SED	Antimony	60	2.6	U	mg/kg
CC 0/2 -148	SED	Arsenic	10	8.6		mg/kg
CC 0/2 -148	SED	Barium	200	89.3		mg/kg
CC 0/2 -148	SED	Beryllium	5	0.66		mg/kg
CC 0/2 -148	SED	Cadmium	5	0.33	U	mg/kg
CC 0/2 -148	SED	Calcium	5000	5790		mg/kg
CC 0/2 -148	SED	Chromium	10	15.3		mg/kg
CC 0/2 -148	SED	Cobalt	50	16.2		mg/kg
CC 0/2 -148	SED	Copper	25	15.9		mg/kg
CC 0/2 -148	SED	Iron	100	23500		mg/kg
CC 0/2 -148	SED	Lead	3	18.2		mg/kg
CC 0/2 -148	SED	Magnesium	5000	3980		mg/kg
CC 0/2 -148	SED	Manganese	15	907		mg/kg
CC 0/2 -148	SED	Mercury	0.2	0.2		mg/kg
CC 0/2 -148	SED	Nickel	40	19.9		mg/kg
CC 0/2 -148	SED	Potassium	5000	904		mg/kg
CC 0/2 -148	SED	Selenium	5	0.59	U	mg/kg

PRS

Reference 5

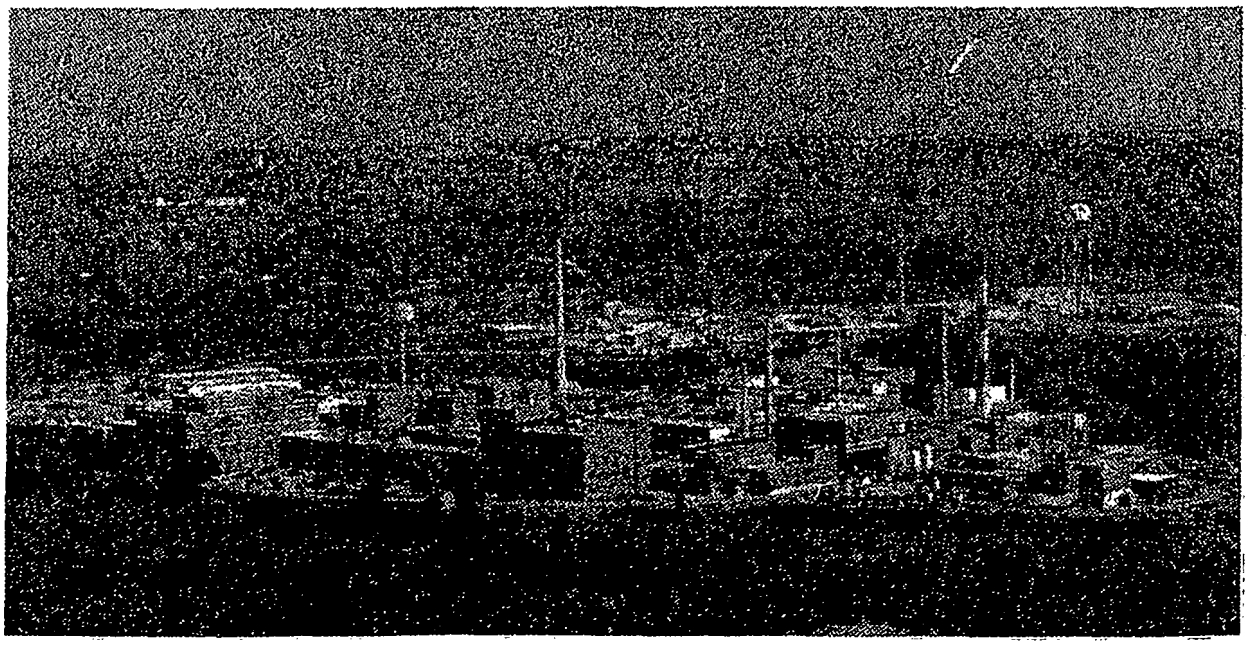
MOUND

Environmental
Restoration
Program

MOUND PLANT

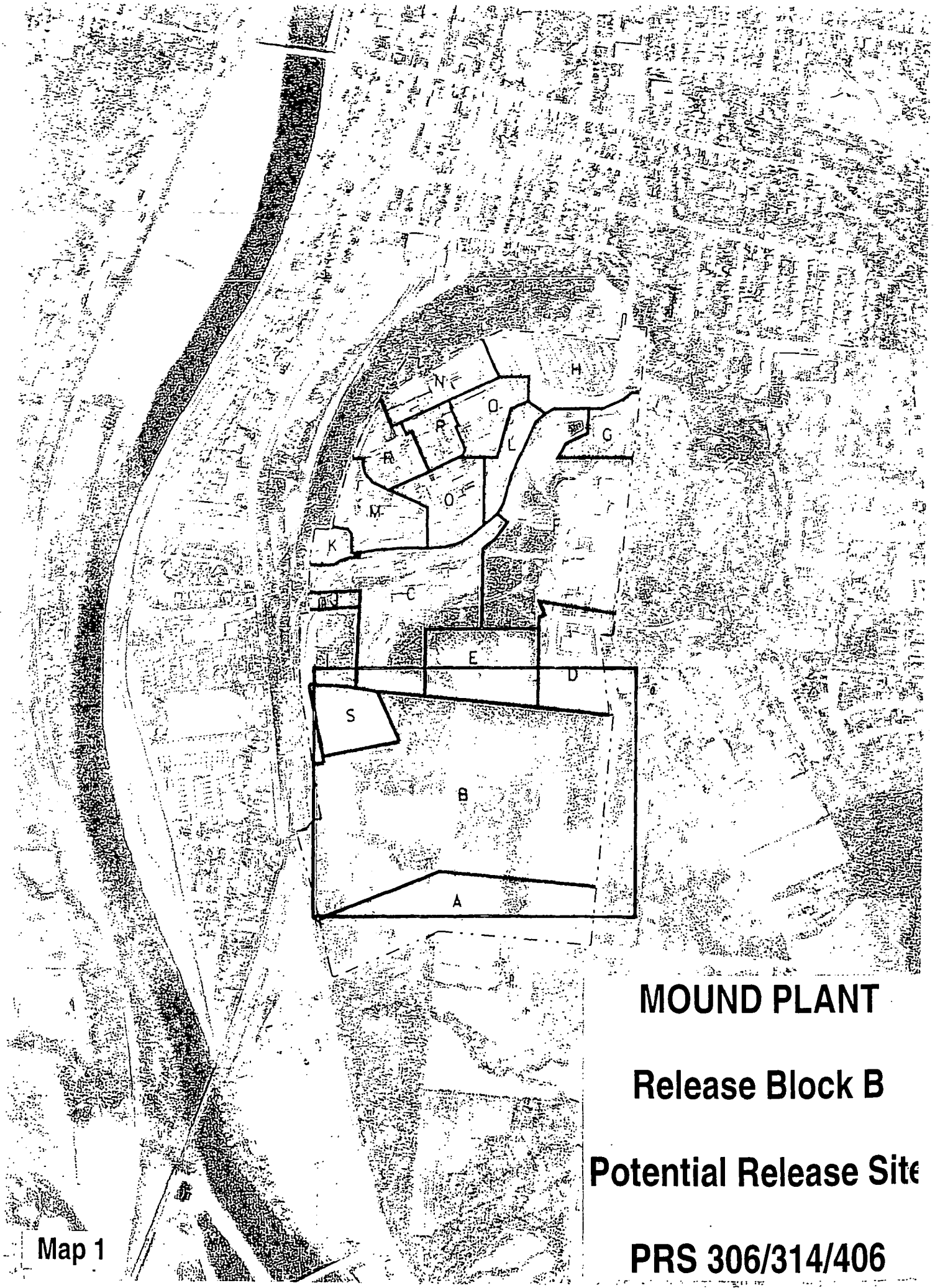
Potential Release Site Package

PRS # 306/314/406



PRS 306/314/406

REV	DESCRIPTION	DATE
PUBLIC RELEASE 0	Available for comments.	Mar. 14, 1996
FINAL 1	Comment period expired. No comments. Recommendation page annotated.	Oct. 10, 1996
FINAL 2	Signature page changed to show correct review period.	Nov. 19, 1996



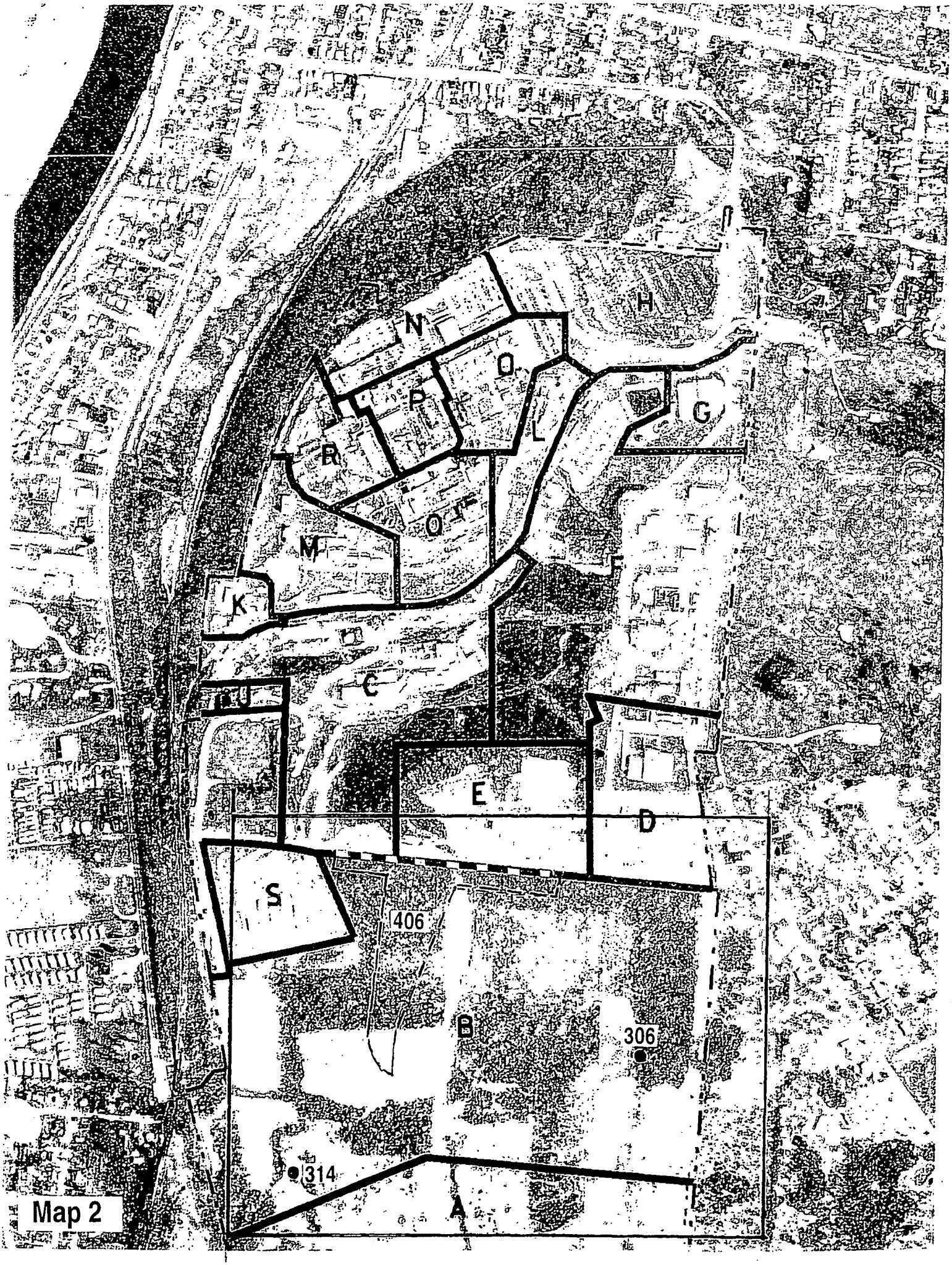
MOUND PLANT

Release Block B

Potential Release Site

PRS 306/314/406

Map 1



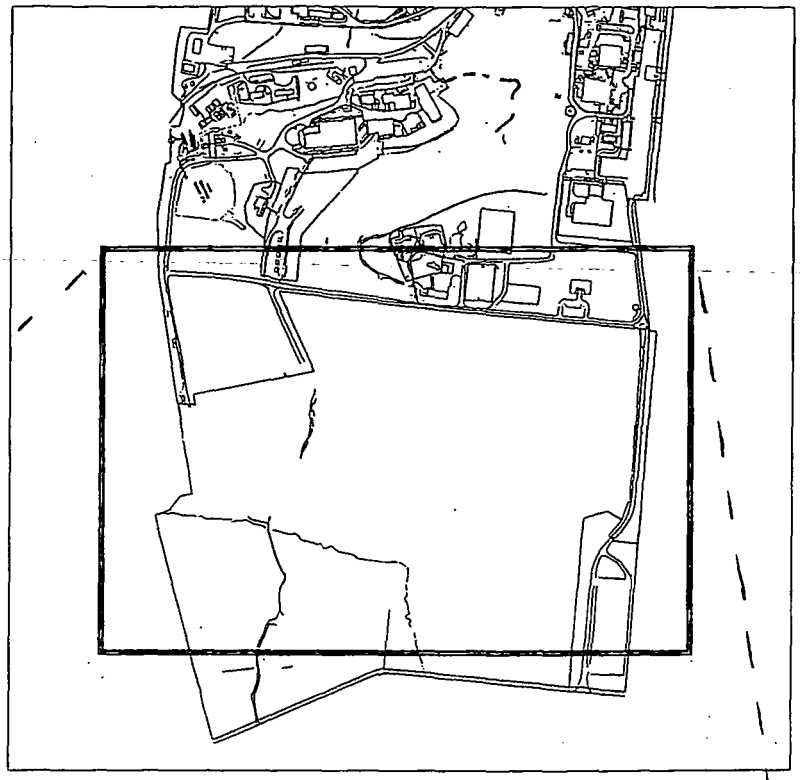
Map 2

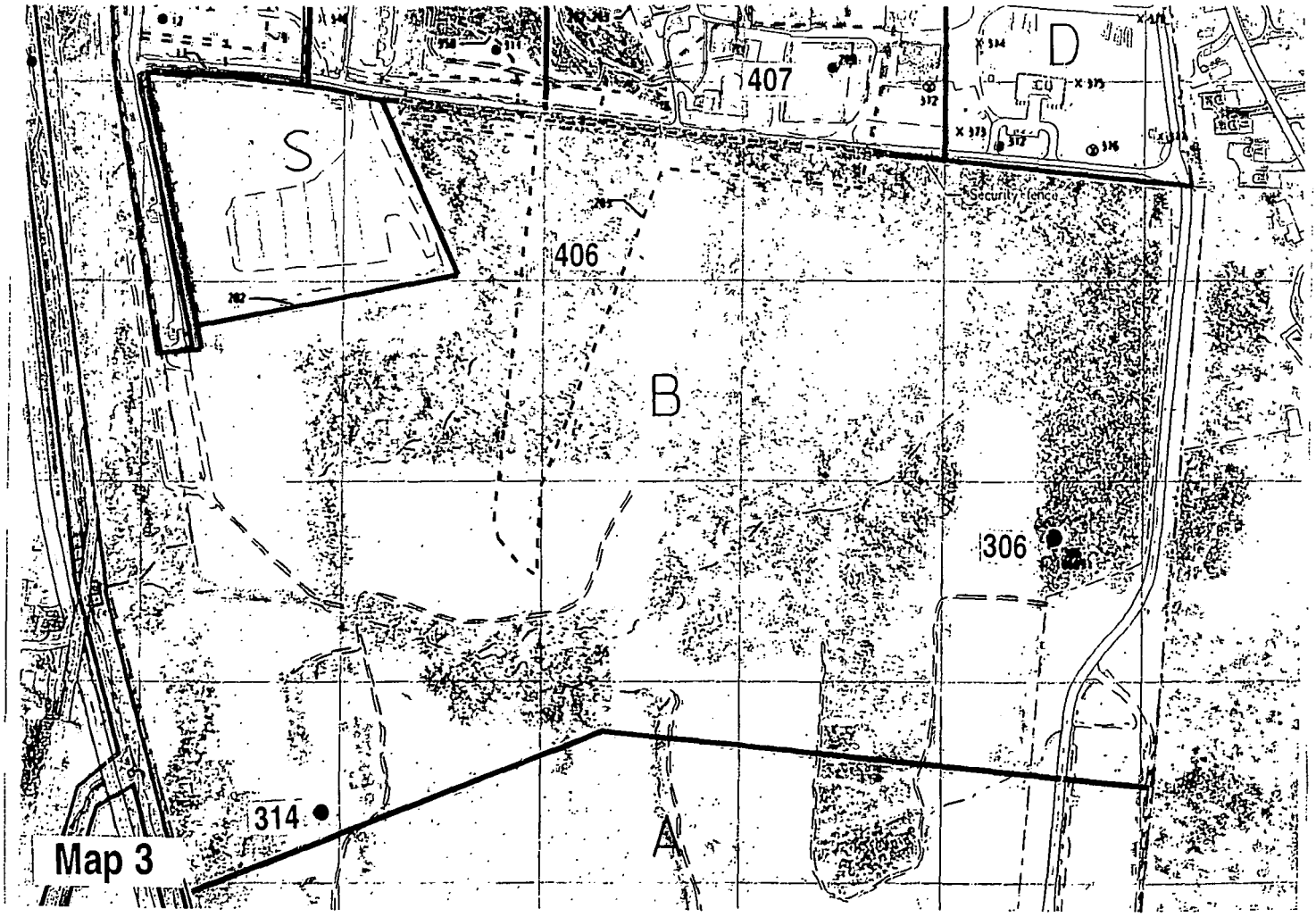
MOUND PLANT

Release Block B

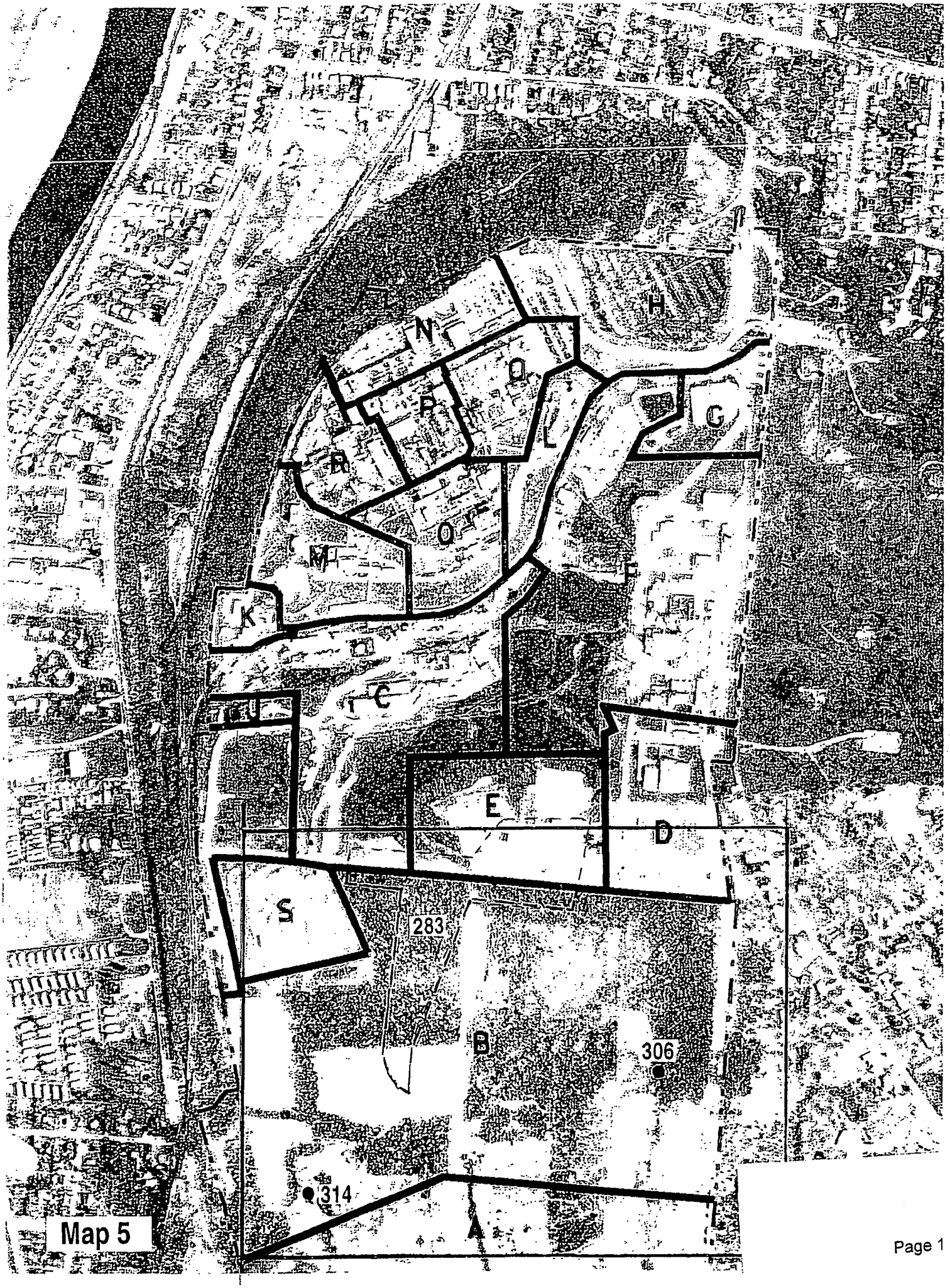
Potential Release Site

PRS 306/314/406

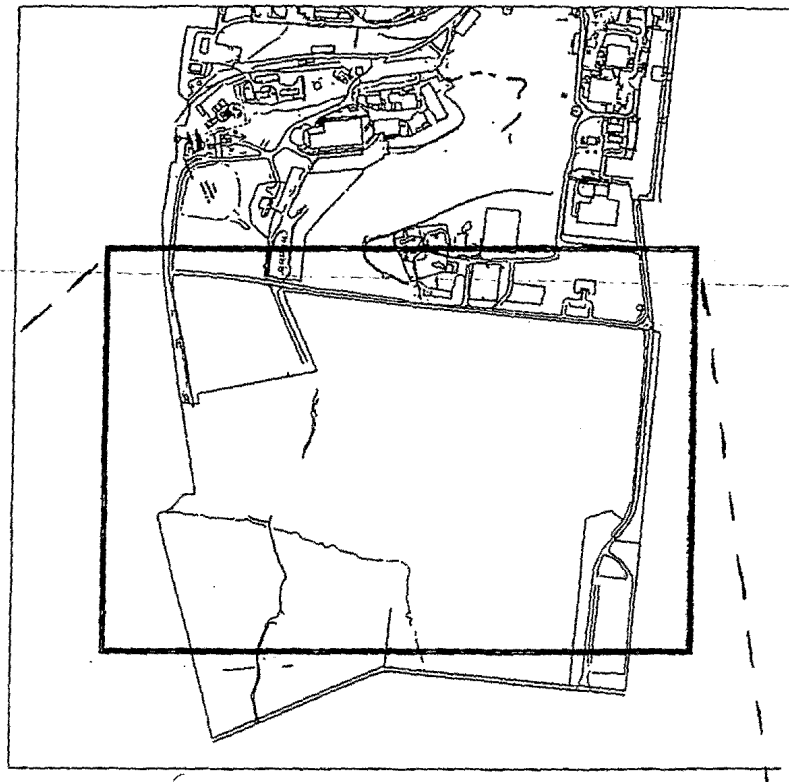


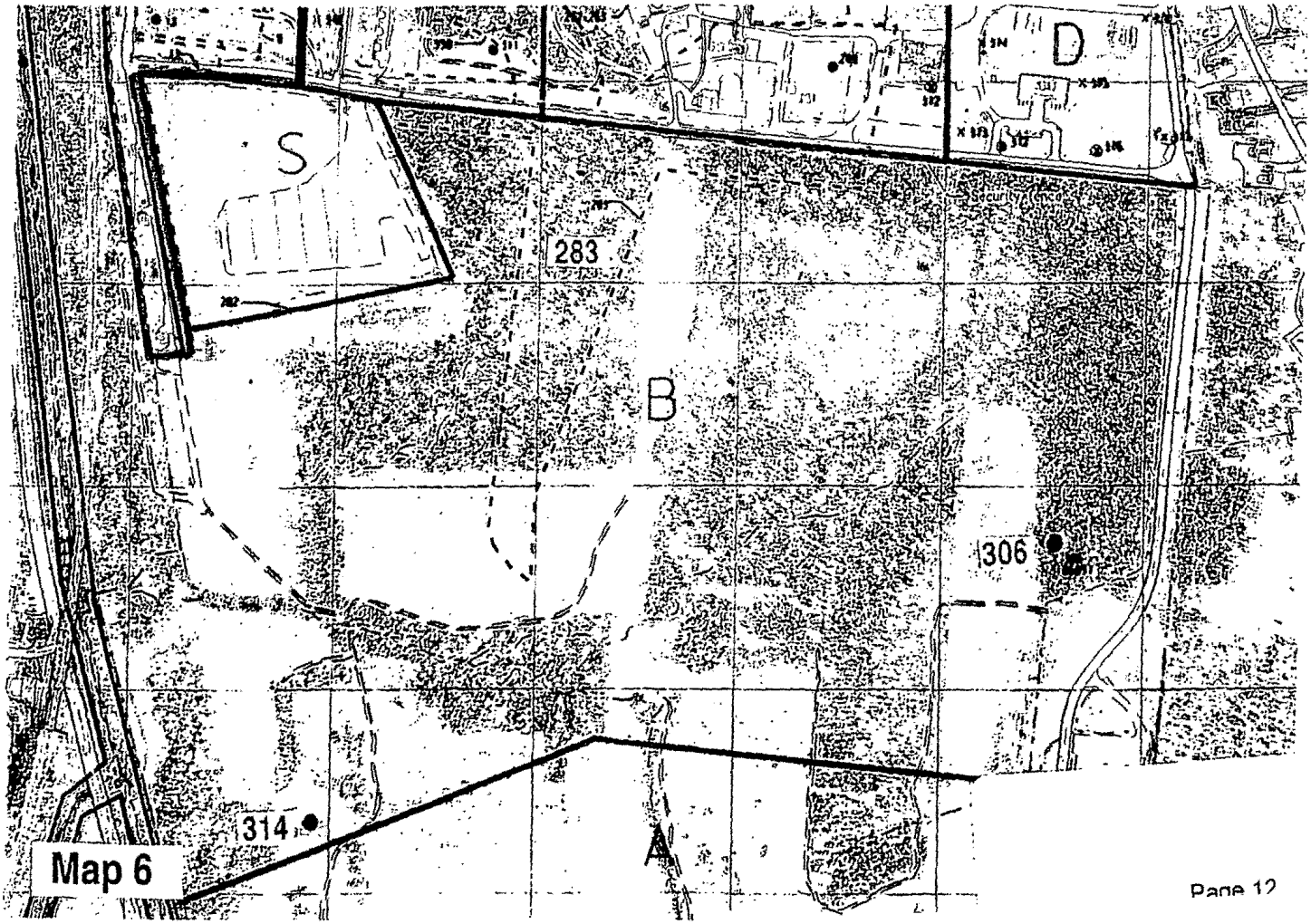


Map 4
306
406
314



Map 5





Map 6

PRS 306/314/406

PRS HISTORY:

PRS 306, is a groundwater seep (seep 0609/0610). This seep is not suspected as a source of contamination to the groundwater.[1] The seep is a surface expression of groundwater and could be an exposure point to possible contaminated groundwater if contamination exists. At the time the PRS 306 was described[1] it was the only documented seep on the new property and the water quality at the seep was unknown. For this reason it was retained as a PRS until the groundwater quality could be analyzed.

PRS 314, the Farm Trash Area was identified as a potential release site as a result of historical information which suggests that waste oil from farm operations may have contaminated this area prior to Mound Plant's purchase of the property.[2]

PRS 406 is located on the southern end of the Mound Plant operational area and on the northern end of the New Property (Release Block B). Radiological surveys conducted in 1983 [2] indicated potential radiological contamination. This historical information lead to the Superfund Remedial Investigation[6] effort for the Operable Unit 5 New Property. For the purpose of evaluating Release Block B, only data acquired as a result of the Remedial Investigation is referenced in this data package.[6]

PROCESS DESCRIPTION:

No Mound Plant buildings are presently located in Release Block B. No Mound Plant related radioactive or hazardous waste generating processes are known to have occurred at the location of the Potential Release Sites within Release Block B. Soil erosion from areas north of PRS 406 may have provided a mechanism for the suspected radiological contamination of this PRS. Evidence of farm trash disposal is noted at PRS 314.[1] There are no known sources of groundwater contamination within Release Block B.

CONTAMINATION:

Contamination in soils and sediment is generally present at levels indistinguishable from background.[6] All radiological concentrations reported in release block B were below guideline criteria:

Radiological Contaminant	Maximum Concentration Detected	Guideline Criteria
Plutonium	21.9 pCi/g [6] (in soil)	25 pCi/g (Mound ALARA in soil)
Thorium	3.8 pCi/g [6] (in soil)	5 pCi/g [8]
Radium	3.0 pCi/g [6] (in soil)	5 pCi/g [8]
Uranium	0.21 pCi/g [6] (in soil)	3.35 pCi/g [7]

NOTE: pCi/g = picocurries contaminant per gram soil, CFR = Code of Federal Regulations

Twenty groundwater samples were collected from four monitoring wells, two borings, and eight seeps in Release Block B[6]. Sample results detected TCE from well 411 and seep 617 at the MCL (8 ppb). Only infrequent and scattered occurrences of Arsenic (As), Manganese (Mn), Nickel (Ni) and Chromium (Cr) are above background criteria; these metals do not appear to originate in current or past activities on the New Property. As, Cr, Mn, and Ni, are the only contaminants which are above US EPA's noncarcinogenic hazard quotient of one. All contaminants with the exception of Arsenic, which is detected only once, fall within US EPA's target acceptable risk range of one in a million to one in ten thousand for carcinogenic risk.[7] No plumes of contaminated groundwater were identified.

READING ROOM REFERENCES:

1) Operable Unit 9, Site Scoping Report: Volume 12 - Site Summary Report, Final, December 1994.
2) Operable Unit 9, Site Scoping Report: Volume 3 - Radiological Site Survey, Final, June 1993.
3) RI/FS Work and Sampling Plan Operable Unit 5, New Property Addendum, Draft Final Revision 0, April 1994.
4) Operable Unit 5, New Property Phase 1 Field Report, Final Revision 1, July 1995.
5) Operable Unit 5, New Property Extended Phase 1 Field Report, Final Revision 0, July 1995
6) Operable Unit 5, New Property Remedial Investigation Report, Final (February, 1996).

OTHER REFERENCES:

7) Risk Based Soil Guideline Values, December 1995, Final, Revision 3.
8) Code of Federal Regulations, 40 CFR192.12 and 40 CFR192.41.

PREPARED BY:

Alec Bray, Member of EG&G Technical Staff
George Liebson, Member of EG&G Technical Staff

SUPPLEMENTAL INFORMATION:

Joseph C. Geneczko, Member of EG&G Technical Staff

MOUND PLANT
PRS 306, 314, 406
SOUTH PROPERTY - RELEASE BLOCK B

RECOMMENDATION:

Potential Release Site (PRS) 406 (previously known as the southern portion of PRS 283) became a PRS due to potential thorium dust from the thorium sludge redrumming, PRS 306 due solely to being an uncharacterized seep, and PRS 314 due to historical information suggesting possible waste oil contamination. These three (3) PRSs constitute the PRSs for Release Block B.

Radionuclides detected in soils at the New Property were scattered and infrequent and all occurrences were below the 10^{-5} risk guideline value. All organic concentrations in soil were below the 10^{-5} risk guideline values. Radionuclides detected in groundwater were all below the 10^{-5} guideline values. All organic contaminants in groundwater met drinking water standards, with the exception of TCE which was reported at 8 parts per billion (ppb) which is slightly above the MCL of 5 ppb. The area is to be used for industrial purposes, therefore, no drinking wells would be placed on the property in the bedrock.

The observed scattered occurrences and variations of metals in soil concentrations are typical natural occurrences in the vicinity of the Mound Plant. This type of variation was also documented in groundwater in the Operable Unit 9 Residential, Municipal and Industrial Well Investigation Technical Report, April, 1995. The risks of drinking groundwater from bedrock off-site are comparable to the risks of drinking groundwater from bedrock on-site (refer to page 7.1 of the PRS package). As shown in this table, the risks from carcinogenic contaminants in the on-site bedrock groundwater are the same as the risks from carcinogenic contaminants in off-site, background bedrock groundwater. In the case of non-carcinogenic contaminants in on-site bedrock groundwater, the contaminant concentrations are within the expected variations from background as found in the Residential, Municipal and Industrial Well Investigation Report. A single detection of arsenic was the only detection above the USEPA risk value of 10^{-4} and the New Property Remedial Investigation Report (RIR) concluded "risks due to arsenic in background soils are greater than risks associated with the New Property."

Based upon the risk assessment conclusions in the RIR and existing data showing no evidence of contamination, NO FURTHER ASSESSMENT is recommended for PRSs 406, 306, and 314.

CONCURRENCE:

DOE/MB: Arthur W. Kleinrath — 3/12/96
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer — 3/11/96
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel — 3/14/96
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from ~~4/15/96~~ 3/15/96 to ~~5/15/96~~ 4/01/96.

☒ No comments were received during the comment period.

☐ Comment responses can be found on page_____ of this package.

REFERENCE MATERIAL
PRS 306/314/406

Environmental Restoration Program

OPERABLE UNIT 5
NEW PROPERTY REMEDIAL INVESTIGATION REPORT

MOUND PLANT
MIAMISBURG, OHIO

February
~~January~~ 1996

~~Draft~~ Final

U.S. Department of Energy
Ohio Field Office

EG&G Mound Applied Technologies

Table ES.1. Summary of Human Health Risks

CONTAMINANTS	COC?	PATHWAY	SCENARIO	SITE RISK		BACKGROUND RISK	
				Noncancer[1]	Cancer[2]	Noncancer	Cancer
SOIL/SEDIMENT							
Benzo(a)pyrene	Yes	dermal	current trespasser	NA	1.22E-6	NA	NA
			future industrial	NA	1.65E-5	NA	NA
Benzo(b)fluoranthene	Yes	dermal	future industrial	NA	2.37E-6	NA	NA
Dibenzo(a,h)anthracene	Yes	dermal	future industrial	NA	1.92E-6	NA	NA
Indeno(1,2,3-cd)pyrene	Yes	dermal	future industrial	NA	1.13E-6	NA	NA
Arsenic	No[3]	dermal	future industrial	NA	6.81E-6	NA	7.44E-6
		ingestion		NA	2.41E-6	NA	2.63E-6
Mercury	No[3]	dermal	future industrial	1.54	NA	2.84	NA
			future excavation	1.51	NA	2.83	NA
Manganese	No[3]	inhalation	future excavation	1.58	NA	2.54	NA
GROUNDWATER							
Beryllium	Yes	ingestion	future adult	NA	2.73E-5	NA	1.21E-5
			future child	NA	1.27E-5	NA	5.65E-6
Chromium	Yes	ingestion	future adult	1.69	NA	NA	NA
			future child	3.95	NA	1.74	NA
Manganese	Yes	ingestion	future adult	38.4	NA	1.17	NA
			future child	89.5	NA	2.74	NA
		dermal	future adult	2.76	NA	NA	NA
			future child	4.25	NA	NA	NA
Nickel	Yes	ingestion	future child	1.26	NA	NA	NA
Arsenic	Yes	ingestion	future adult	6.05	1.17E-3	2.57	4.96E-4
			future child	14.1	5.45E-4	6.00	2.32E-4
		dermal	future adult	NA	9.55E-6	NA	4.06E-6
			future child	NA	2.95E-6	NA	1.25E-6
Americium-241	Yes	ingestion	future adult	NA	2.37E-6	NA	NA
Radium-226	No[3]	ingestion	future adult	NA	2.22E-6	NA	2.57E-6
Tritium	No[3]	ingestion	future adult	NA	2.01E-6	NA	2.07E-6

(1) Noncarcinogen Hazard Quotient (HQ) effects. Per EPA guidance, noncarcenogenic risk is present if HQ exceeds 1.0.
(2) Excess lifetime cancer risk. Per EPA guidance, cancer risk is present if excess lifetime cancer risk exceeds 1.0E-6.
(3) Contaminant exceeded EPA risk levels for cancer (1.0E-6) and/or noncancer (1.0) but risk associated with contaminant at site is indistinguishable from risk associated with contaminant in background.
Note: The greatest cancer risk associated with plutonium-238 is 1.00E-7 (ingestion - future industrial). The greatest cancer risk associated with thorium is 3.40E-8 (inhalation - future excavation).
NA Not applicable because HQ <1 or cancer risk <1.0E-6 or not calculated

Summary of Human Health Risks as Compared to Residential Bedrock Wells

CONTAMINANTS	COC?	PATHWAY	SCENARIO	SITE RISK		BACKGROUND RISK (4)	
				Noncancer (2)	Cancer (1)	Noncancer	Cancer
GROUNDWATER							
Chromium	Yes	ingestion	future adult	1.69	NA	0.57	NA
			future child	3.95	NA	1.33	NA
Manganese	Yes	ingestion	future adult	38.4	NA	26.2	NA
			future child	89.5	NA	61.2	NA
		dermal	future adult	1.92	NA	1.31	NA
			future child	3.40	NA	2.33	NA
Nickel	Yes	ingestion	future child	1.26	NA	0.0796	NA
Arsenic	No(3)	ingestion	future adult	6.05	NA	7.67	NA
			future child	14.1	6.36E-4	17.9	8.05E-4
		dermal	future adult	NA	6.65E-6	NA	8.42E-6
			future child	NA	2.36E-6	NA	2.99E-6
Radium-226	Yes	ingestion	future adult	NA	2.67E-6	NA	2.39E-6

(1) Excess lifetime cancer risk. Per EPA guidance, cancer risk is present if excess lifetime cancer risk exceeds 1.0E-6.

(2) Noncarcinogen Hazard Quotient (HQ) effects. Per EPA guidance, noncarcenogenic risk is present if HQ exceeds 1.0.

(3) Contaminant exceeded EPA risk levels for cancer (1.0E-6) and/or noncancer (1.0) but risk associated with contaminant at site is less than risk associated with contaminant in background.

(4) Risk Calculations based upon the Residential, Municipal and Industrial Well Investigation Technical Report, April, 1995.

NA Not applicable or not calculated

ES.7. CONCLUSIONS

The RI at the New Property was performed to characterize the nature and extent of contamination, determine the potential for contaminant migration, evaluate risk to human health and the environment, and provide data necessary to assess the need for site remediation.

The conclusions of this RI Report are:

- Radionuclides were detected in soils and groundwater at the New Property; however, concentrations were low and occurrences were infrequent. Radionuclides, including plutonium, thorium, and tritium, are not significant contaminants at the New Property because they do not pose risk to human health or the environment.

- With the exception of isolated high concentrations of metals in the former "farm trash area," contaminants that were detected in groundwater and seeps do not appear to have a source within the New Property. Groundwater occurrences of contamination do not have apparent relationships to soil occurrences of the same contaminants (Section 4). Consequently, the New Property does not appear to be impacting the quality of the groundwater resources in the area.

- Metals and PAHs are ubiquitous in soils; therefore no relation can be drawn between their occurrence at the New Property and operations at the Mound Plant. Although past Mound Plant activities may have contributed to metals and PAH contamination at the site, offsite sources may also be contributing to the occurrence of these compounds at the New Property. For example, arsenic was found in both soils and groundwater at concentrations that cause risks within EPA target ranges. However, the risks due to arsenic in background soils are greater than risks associated with the New Property (see Table ES.1).

In some cases, New Property risks appear to be higher than the background risks; in others, background risks appear to be higher. Thus, differences between background and New Property risks are not sufficiently large to require remediation at the New Property.

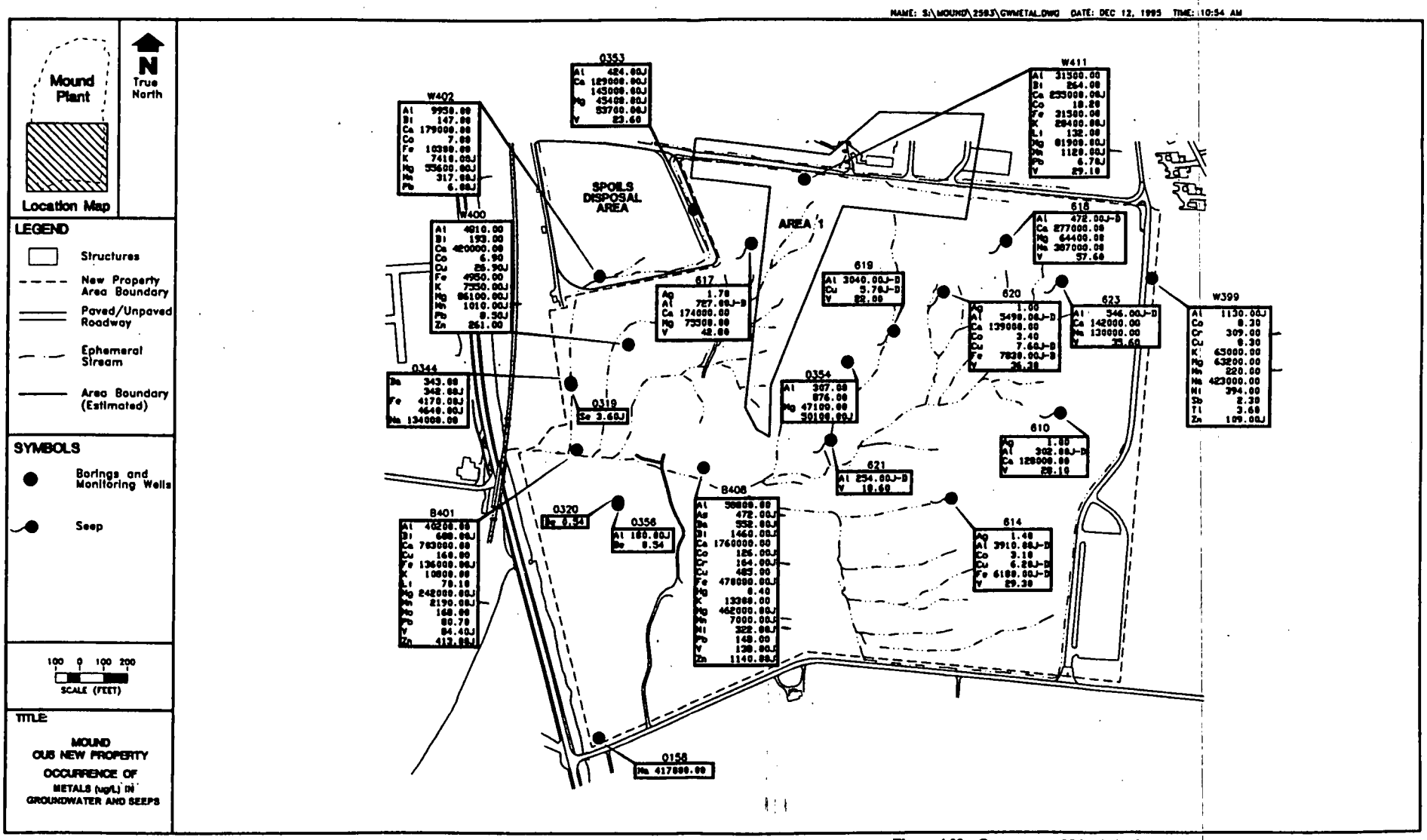


Figure 4.23. Occurrence of Metals in Groundwater and Seeps

Supplementary Information

EG&G PRS Program Manager Note

This PRS 306/314/406 encompasses all PRS's in Release Block B. Early PRS identification processes placed an original PRS 283 to include the current PRS 406 and an area north of PRS 406. Please compare Map 2 to Map 5 (Supplemental). Also, please compare Map 3 to Map 6 (Supplemental). In the conduct of PRS research, it was realized that the goal of releasing Mound Plant property would be better served by addressing the northern and southern areas of PRS 283 individually. Established baseline computer tracking methodology prevented the sequential maintenance of the newly defined PRS 283, for example as PRS 283N (North) and PRS 283S (South). It was decided to create the two new PRS numbers in numerical sequence with the established tracking system. PRS 406 and 407 were introduced into the baseline. This numerical identification is administrative in nature only.

Joseph C. Geneczko

Reference 6

ENVIRONMENTAL RESTORATION PROGRAM

OPERABLE UNIT 9, SITE SCOPING REPORT: VOLUME 3 - RADIOLOGICAL SITE SURVEY

MOUND PLANT
MIAMISBURG, OHIO

June 1993

DEPARTMENT OF ENERGY
ALBUQUERQUE FIELD OFFICE

ENVIRONMENTAL RESTORATION PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES

FINAL

8 and 12. Area 8 partially overlapped Area 19, the waste transfer line, and was again moved during the waste line excavation. Areas used for disposal of thorium-contaminated soils include Areas 2, 7, 8, and 12. All of these were included in the Site Survey Project investigations.

5.2. AREA 1

Area 1, located on the southwestern side of the SM/PP Hill (Plate 1), surrounding Building 21, includes two drainage pathways. This area was used for storage and repackaging of thorium sludges from 1966 to 1974. Part of the area was also used for the storage of plutonium-238 waste packages in the mid-1960s. Two portions of the area extend south onto the new property and west toward Area 2 (Plate 1) as a result of surface water runoff. The drainage channel that extends west was excavated and covered with concrete in the summer of 1989. During this effort, much of the original topsoil was removed and apparently placed in the spoils disposal area, as only one sample showed a thorium concentration above 5 pCi/g. Some soil may have been left on the bank next to the channel.

The Aerial Reconnaissance Survey in 1976 (EG&G 1978) noted a peak in the energy range of cobalt-60 in the vicinity of Building 21. As a result, a gamma survey of the area was performed by Mound Plant personnel. A single drum containing depleted bismuth slugs was found stored near the salt bin north of Building 21. The survey conducted after the drum was removed revealed no significant gamma readings (Garner 1976). No indication was given as to why the drum was stored there or its disposition.

Area 1 has a complex history of surficial soil contamination, sampling, and shallow excavation. Radioactively contaminated soils were removed from this area in 1975 and moved to Areas 8 and 12. No information was found during the research for the scoping report that would indicate the volumes or levels of thorium contamination involved. However, in 1980, seven 1-ft cores were drilled 1 ft north of the new property along the fenceline in the area of Building 21 (MRC 1980). Mound Plant personnel concluded that thorium-232 contamination was present based on the ratio of thorium-230 to thorium-232, but concentrations greater than 2 pCi/g were detected in only two of the 13 samples analyzed (one sample was lost). The highest concentration detected was 2.13 pCi/g. Four additional surface samples were collected further north of the fence in the vicinity of Building 21. Thorium concentration in excess of 2 pCi/g was detected the samples collected from three of these locations. The highest concentration detected was 924.2 pCi/g. All of the above samples were analyzed for plutonium-238 content. Levels above 100 pCi/g were detected in 2 of the 4 surface samples collected in the vicinity of Building 21. The highest plutonium-238 concentration detected was 860.4 pCi/g (MRC 1980).

Field surveys of the historic SM field area in Area 1 were conducted in February 1984. Five samples were analyzed for thorium-232 and plutonium-238. Plutonium-238 concentrations up to 226,564 pCi/g and thorium concentrations up to 218.9 pCi/g were noted (Draper 1984). The hot spots with the highest concentrations were cleaned up by the D&D program (Davis 1985). An internal memorandum states that the area was excavated and two 55-gallon drums were filled with soil. The remaining hole indicated a level of about 17 nCi/g plutonium-238 that was then backfilled (Sohn 1984).

A review of the site survey data during the preparation of this report determined the boundaries of Area 1 as depicted on Plate 1. The boundaries shown agree with those identified in the original Site Survey Project Report. The results for the locations sampled within Area 1 by the Site Survey Project are given in Table IV.2 and are contoured on Plate 4 and Plate 5 for plutonium-238 and thorium, respectively. The maximum plutonium-238 concentration reported for samples collected in Area 1 (34,000 pCi/g) was detected in the surface sample collected from location 0997 on Plate 1 (S0997 on Table IV.2). No thorium results were given for this sample. It is not known if additional sampling was performed to confirm this plutonium value. No cleanup activities are known to have occurred since these measurements were taken.

The maximum concentration of total thorium reported by the Site Survey Project for Area 1, 54.3 pCi/g, was detected in the surface sample collected from location 1002 (S1002 on Table IV.2 and surface location 1002 on Plate 1). In general, the maximum concentrations of both thorium and plutonium-238 were detected in samples taken at locations near Building 21, east and north of Building 21, along the drainage channel to the south, and at the beginning of the drainage channel that extends south onto the new property (Plates 4 and 5). Elevated plutonium-238 concentrations were also detected in samples collected in a drainage channel that extends west toward the overflow pond (Plate 1). Biased samples were taken along these channels after FIDLER screening in the first phase of the Site Survey Project showed increased activity in a number of locations. Contamination in these drainage channels is apparently the result of contaminated sediment transport by way of surface water runoff from contaminated soils within Area 1. There are also some other smaller areas of surface plutonium contamination on the nearby property, possibly indicating smaller runoff channels (Plate 4). Thorium (Plate 5) was also detected to a lesser extent in both drainage channels extending south from Area 1. In situ gamma spectroscopy for thorium-232 was performed at 19 locations in Area 1 (0263, 0264, 0265, 0266, 0267, 0268, 0269, 0270, 0271, 0272, 0273, 0274, 0276, 0277, 0278, 0279, 0280, 0281, and 0282 on Plate 1). The maximum thorium-232 concentration reported for these samples, 9.2 pCi/g, was detected at location 0264 (CO264 on Table IV.2).

The core locations in Area 1 were sampled to a depth of approximately 36 inches, although several were sampled much deeper, such as core location 0203 (sampled to 180 inches).

Mound Plant drawing #FSE16472, reproduced in the Site Scoping Report: Volume 2 Addendum - Stratigraphic and Lithologic Logs (DOE 1992f) indicates that the depth to bedrock in the area of the SM/PP Hill ranges from 24 inches to greater than 84 inches. The *in situ* gamma spectroscopy measurements included driving pipes to bedrock. These locations indicate that the depth to bedrock in Area 1 ranges from 24 to 120 inches. The drainage channel to the west onto the new property contains exposed bedrock in many places, and only a thin covering of soil along most of its length. Boring logs are available for locations 0201 and 0203 (Appendix B). Bedrock was reached at location 0201, but not at 0203.

5.3. AREA 2

Area 2, located along the west-central border of Mound Plant, is on the margin of the historic landfill (DOE 1991b). Reports of historic activities indicate that Area 2 is the location of disposal trenches for the remains of the polonium-210-contaminated debris from a fire in Area 13 in 1955; thousands of empty crushed thorium drums from the early 1960s; and polonium-210-contaminated sand from 1966 (DOE 1992c). A photo interpretive history of the historic landfill and Area 2 is provided in the Site Scoping Report: Volume 6- Photo History (DOE 1992b).

No plutonium-238 concentrations in excess of 25 pCi/g were detected in any of the samples collected during the Site Survey Project. The maximum concentration detected was 17.1 pCi/g in a sample collected from core location 0189 at a depth of 18 inches (C0189 on Table III.1, and core location 0189 on Plate 1). The maximum thorium concentration detected, 3.31 pCi/g, was found in a sample collected from core location C0191 at a depth of 108 inches (Table III.1).

The interpretation of data made in compiling this report is in basic agreement with the interpretation of data made in compiling the original Site Survey Project Report. Area 2 is at least partially covered by the Site Sanitary Landfill constructed in 1977. A magnetic survey conducted in Area 2 in 1990 indicated that some of the burials may lie under the present position of the road intersection (DOE 1990). This is also supported by the interpretation of historic aerial photographs indicating that the historic landfill may have occupied areas presently under the paved roads (DOE 1991).

Burial of debris reportedly occurred in an irregular trench 12 or 14 ft deep that was covered by a few feet of soil (DOE 1992g). The depth to bedrock in this area of the facility appears to be a maximum of about 600 inches or about 50 ft (DOE 1992f). The maximum depths sampled at the three core location were 36, 162, and 180 inches (Table III.1). Although the samples collected from 72 to 180 inches may have been of sufficient depth to sample the material in the original trench, it is not known if any drums or debris were encountered during the core sampling. The surface samples collected from

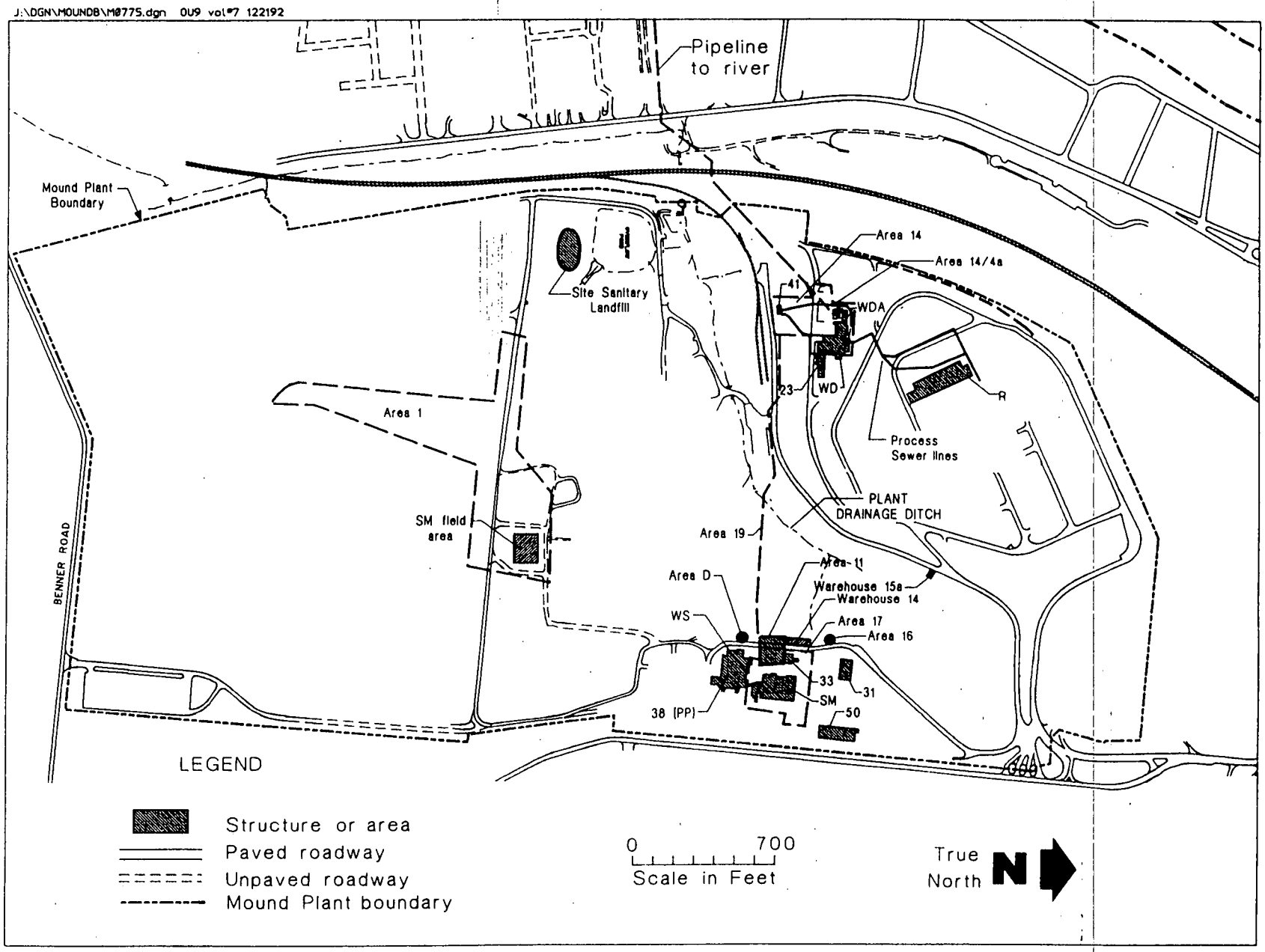


Figure 4.1. Plutonium processing areas.

Reference 7

ENVIRONMENTAL RESTORATION PROGRAM

BUILDING 21 AND SURROUNDING SOILS INVESTIGATION DATA REPORT

MOUND PLANT
MIAMISBURG, OHIO

June 1995

U.S. DEPARTMENT OF ENERGY
OHIO FIELD OFFICE

DECONTAMINATION AND DECOMMISSIONING PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES

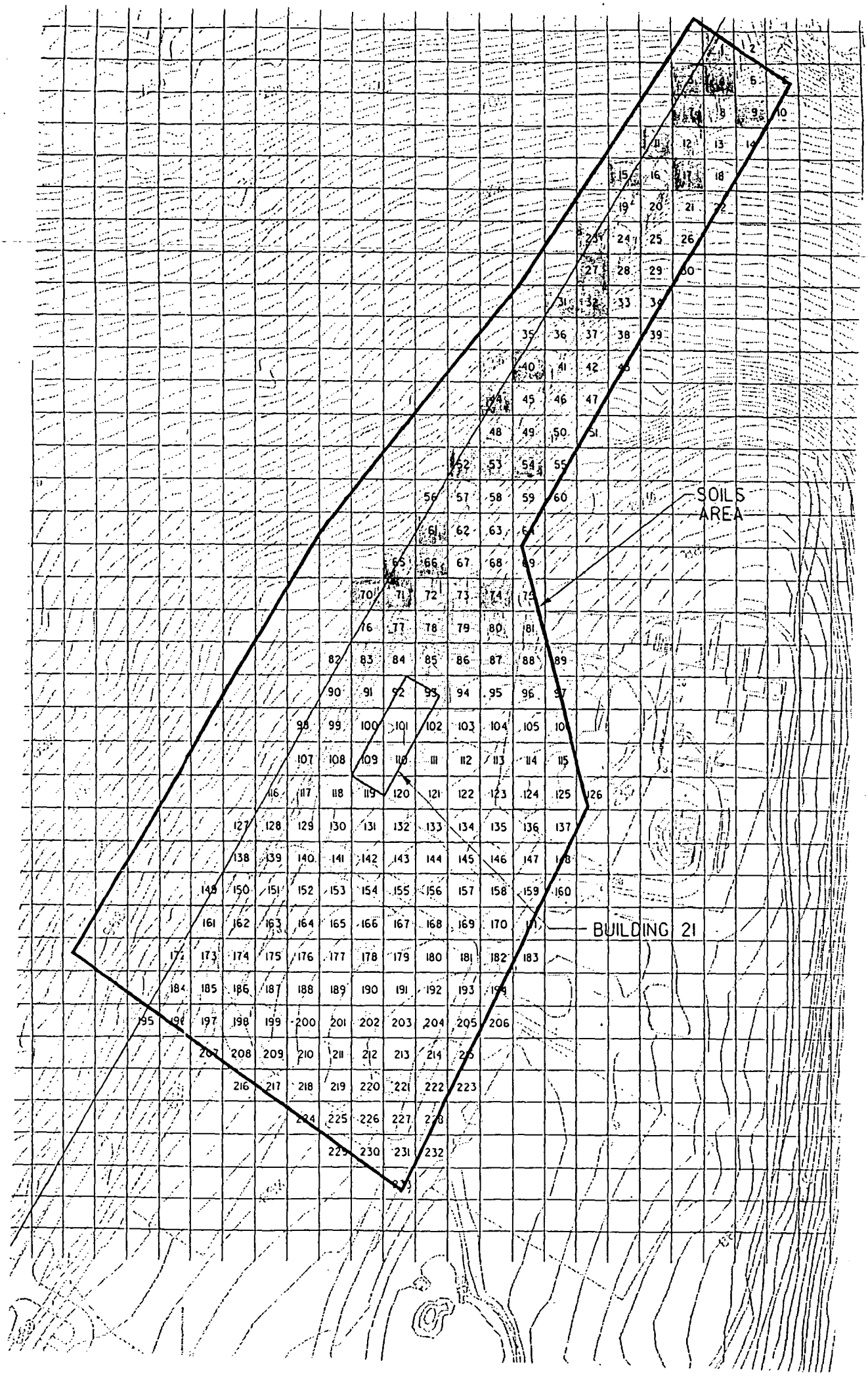

SOILS AREA
BUILDING 21

Table 3.2. Surrounding Soils Micro-R Field Screening Measurements Above Background

Grid Number	Micro-R Reading (Micro-R/hr)
102	48
153	100
176	240
188	70

Micro-R/hr: Micro-Roentgen per hour.

3.2.2. Results of Radiological Analyses

The laboratory performed full spectrum gamma and alpha spectroscopy on 426 soil samples. The laboratory reported alpha spectroscopy results for only 5 percent of the samples, as required by the SAP. Summaries of the positive detections from the gamma and alpha spectroscopic analyses are provided in Appendix A. A complete tabulation of all gamma and alpha spectroscopic analyses for the surrounding soil samples is presented in Appendix D.

Review of the results of the gamma and alpha spectroscopic analyses indicate that the 2 data sets agree very well. Values are reported in pCi/g in both data sets, and individual analyses of samples taken at identical locations are within 10 percent of each other. In comparison with background values determined as part of the ER Program, all cesium-137, uranium, and radium-226 values are within the upper 95 percent sample tolerance limit expected of naturally occurring soils in the area of EG&G Mound. Comparison of ratios of radionuclides with the uranium-238 decay chain, as determined by alpha spectrometry, indicates that uranium-234, thorium-230 and radium-226 are present in approximately similar activities indicating that they are in secular equilibrium. No additional evaluation of these data were performed as part of this report.

Analytical results of thorium-232 indicates that it is present in activities that exceed the upper 95 percent sample tolerance limit expected of naturally occurring soils in the area of EG&G Mound. Review of the ratios of thorium-228 and thorium-232 from alpha spectroscopy indicate that they are present in approximately similar activities suggesting that they are in approximate secular equilibrium. Figures 3.7 and 3.8 display the approximate distribution of thorium-232 in the soils surrounding Building 21 at surface (0-12 inches) and shallow depths (12-24 inches), respectively. From these data it is calculated that approximately 23, 436 microcuries of thorium-232 are present above background

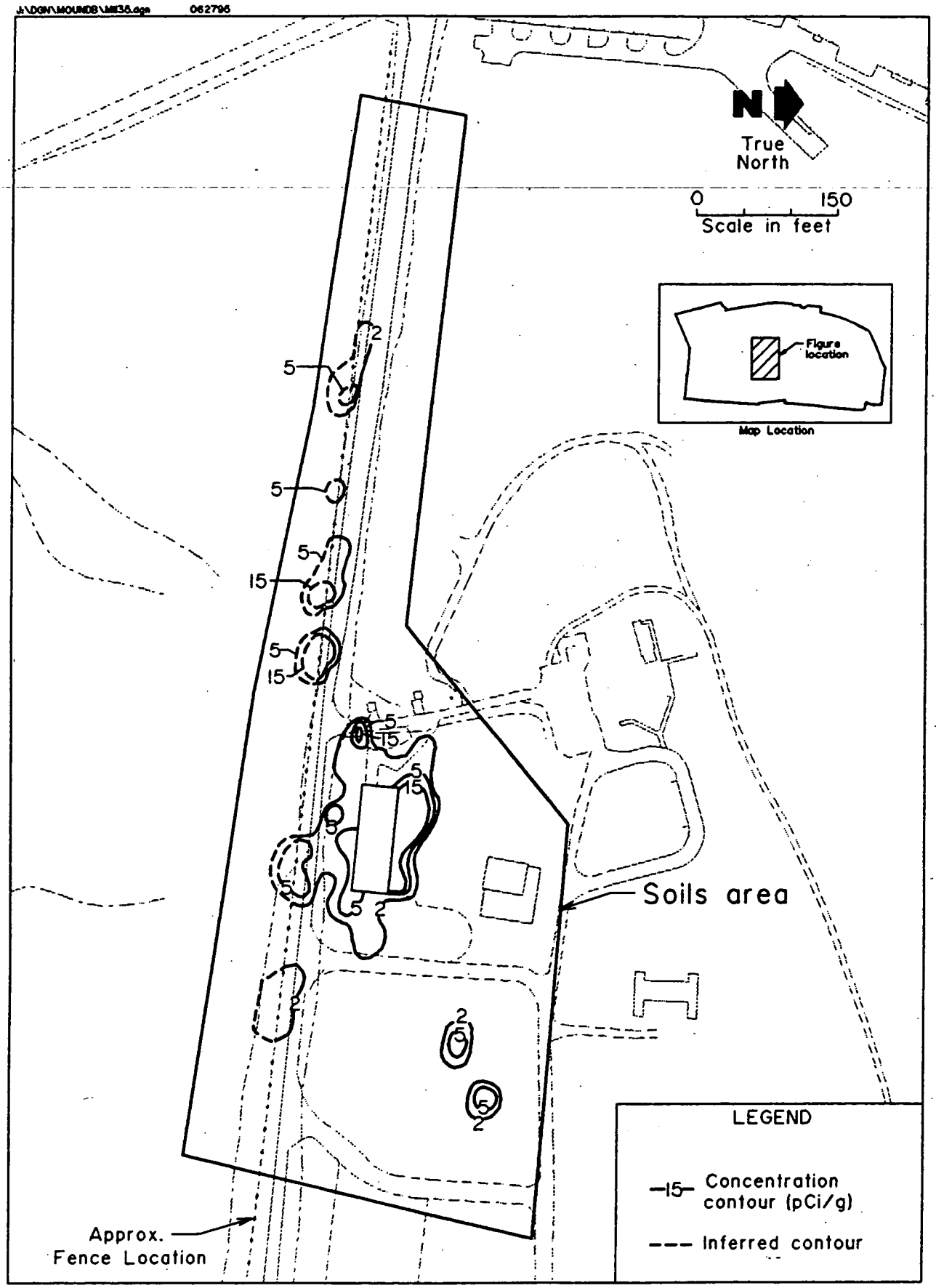


Figure 3.7. Distirbution of thorium-232 0"-12" depth.

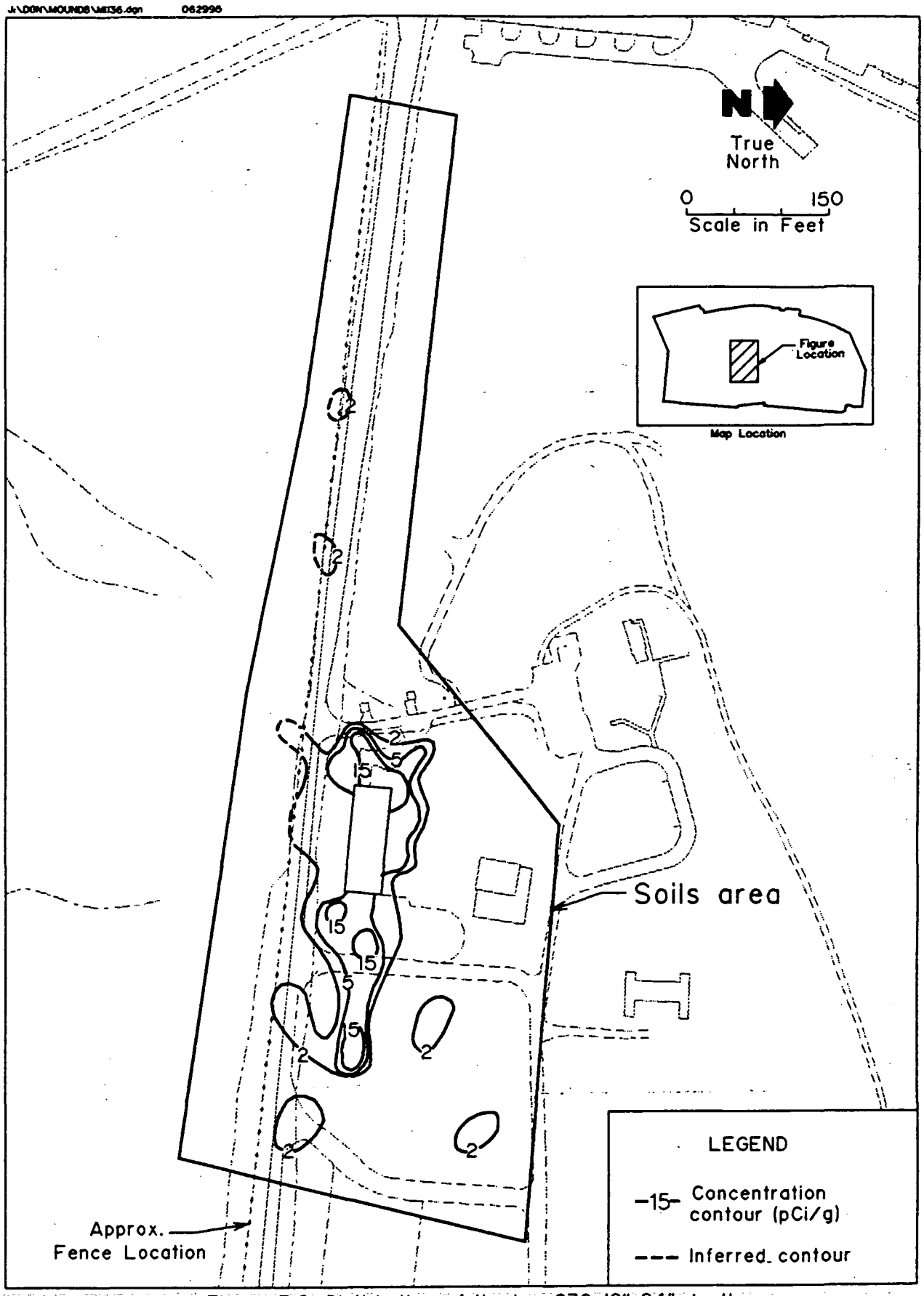


Figure 3.8. Distirbution of thorium-232 12"-24" depth.

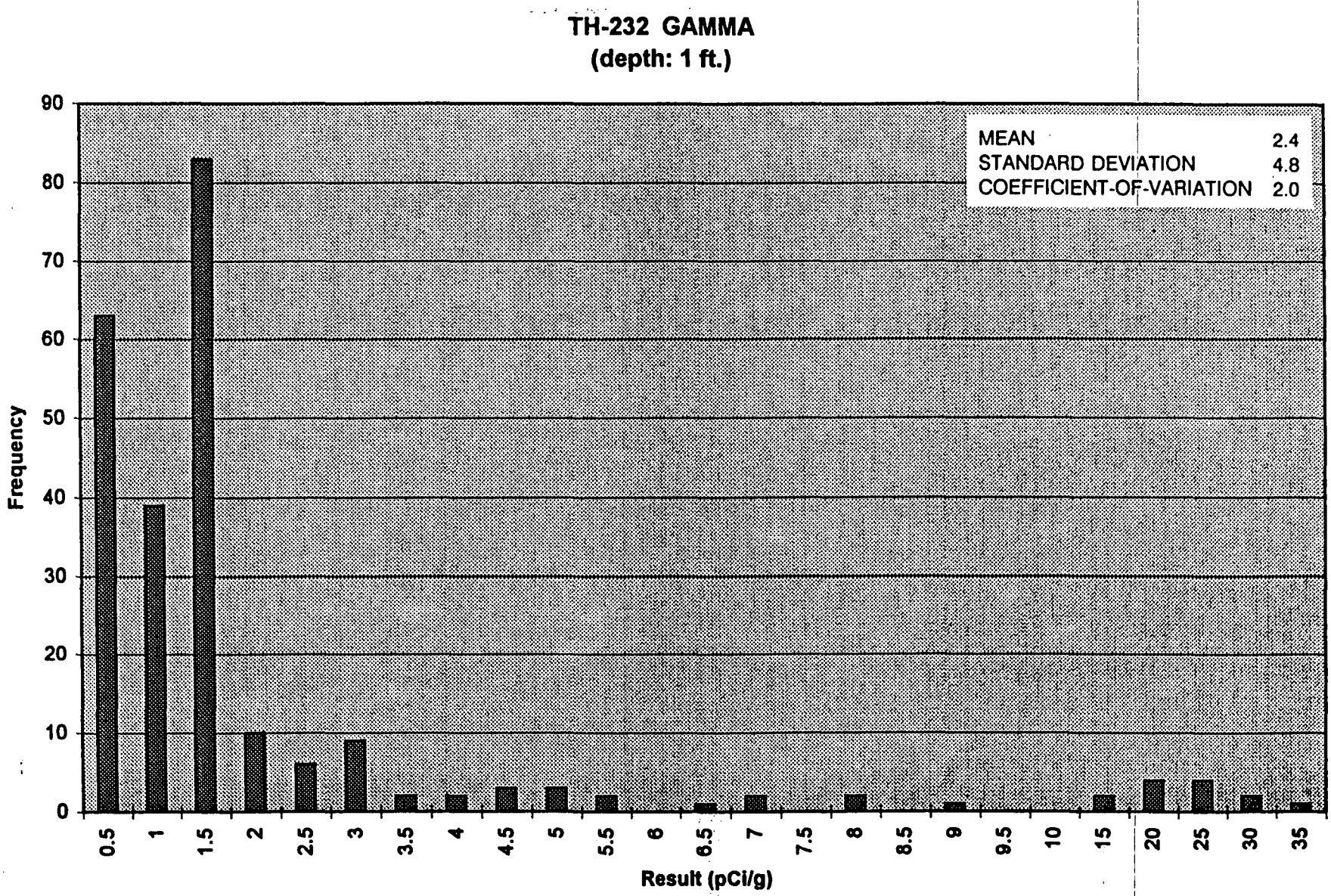


Figure 3.9. Frequency distribution histogram of Thorium-232 in the surface (0-12 inch) of soils surrounding Building 21.

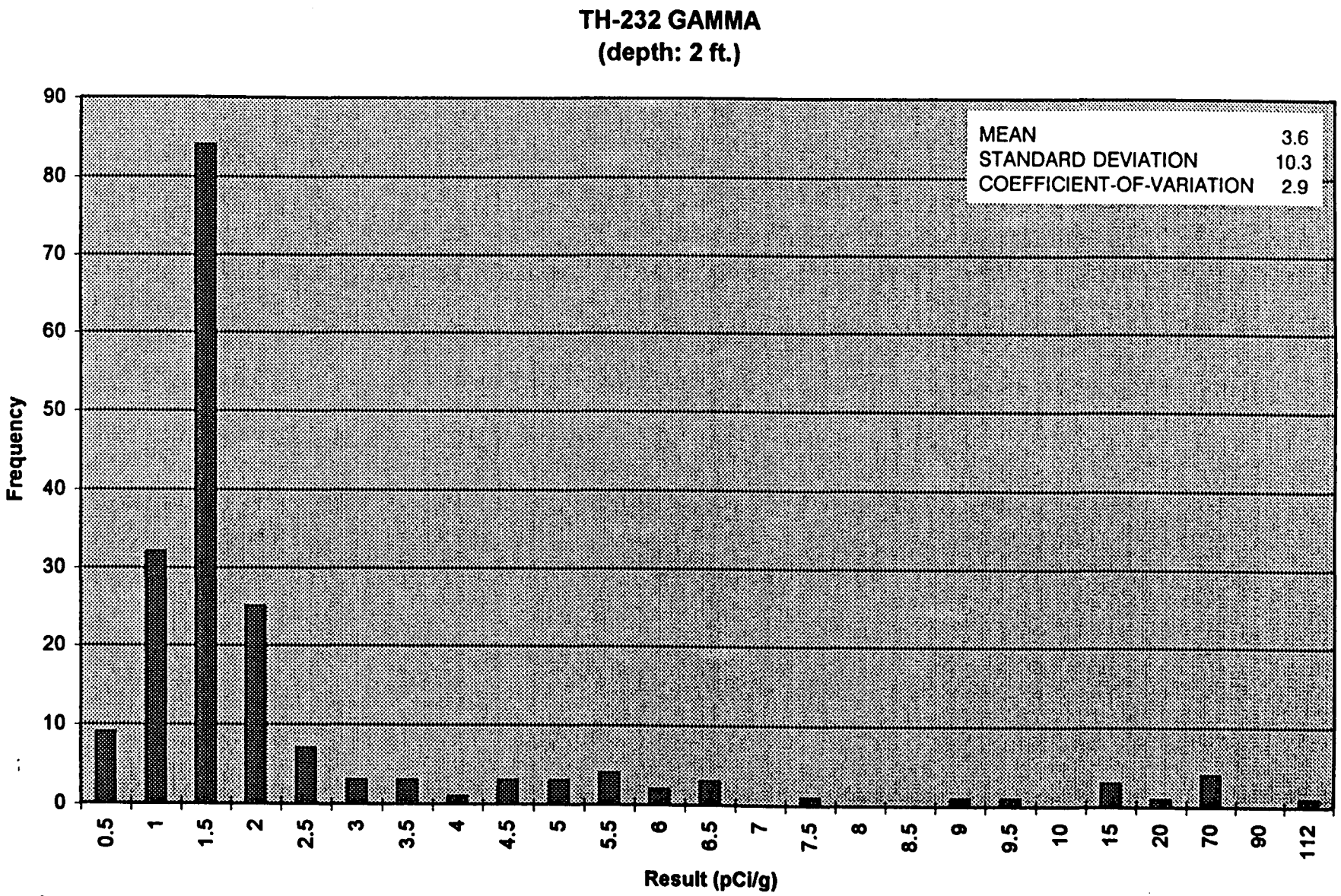


Figure 3.10. Frequency distribution histogram of Thorium-232 in the 12-24 inch depths of soils surrounding Building 21.

levels in the soils surrounding Building 21. Of the total, 13,500 and 9,936 microcuries are estimated for the surface and shallow depth, respectively. The calculation is provided in Appendix A. The mean and standard deviations for thorium-232 analysis are shown in Table 3.3. Frequency histograms for the surface (0-12 inch) and subsurface (12-24 inch) distribution of thorium-234 are shown in Figures 3.9 and 3.10, respectively.

Table 3.3. Statistical Results of Thorium-232 Concentrations in Surrounding Soils

Depth (inches)	Mean (pCi/g)	Standard Deviation	Coefficient of Variance	Minimum (pCi/g)	Maximum (pCi/g)
0-12	2.36[1]	4.81	2.04	0.21	31.20
12-24	3.45[1]	10.28	2.98	0.35	111.0
0-12	0.64[2]	0.35	0.55	0.17	1.40
12-24	1.18[2]	0.31	0.22	0.91	1.87

[1]Gamma Spectrometry
[2]Alpha Spectrometry

Review of the alpha spectroscopic analyses for plutonium-238 indicate 5 positive detections above the upper 95 percent sample tolerance limit of background soils in the area of EG&G Mound. The highest value of 15.9 pCi/g is below the current EG&G Mound ALARA guideline of 25 pCi/g. However, that sample (northwest corner of grid 148) is the only one taken in the approximate area that was historically used for storage of plutonium-238 waste packages (Figure 3.11). It was not possible to evaluate the gamma spectroscopic data for additional information on the possible distribution of plutonium-238. Plutonium-238 has a relatively short half-life of approximately 87 years, its first daughter product by alpha particle emission is uranium-234, that has a very long half-life of the order of 10^8 years. After that, the decay chain is identical to uranium-234. As stated above, the ratio of uranium-234 to the other uranium-238 decay chain products appears to be in equilibrium. This fact can be represented by utilizing the RADDECAY Program. Historical information explains that plutonium-238 spills occurred in the mid-1960's at an area near Building 21. By calculating the decay of the reported high of 34,000 pCi/g of plutonium-238 for 30 years, the in-growth of uranium-234 would be only approximately 2.6 pCi/g. This gross calculation assumes the plutonium-238 was fairly close to its time of production. The fact that the fraction of the daughter uranium-234 to the parent plutonium-238 is on the order of 10^{-5} difference explains why plutonium-238 is considered not to be a contributor to the uranium-234 found in the investigation. It would take approximately 1,000 years for the uranium-234 to reach its maximum concentration as a result of decay of plutonium-238.

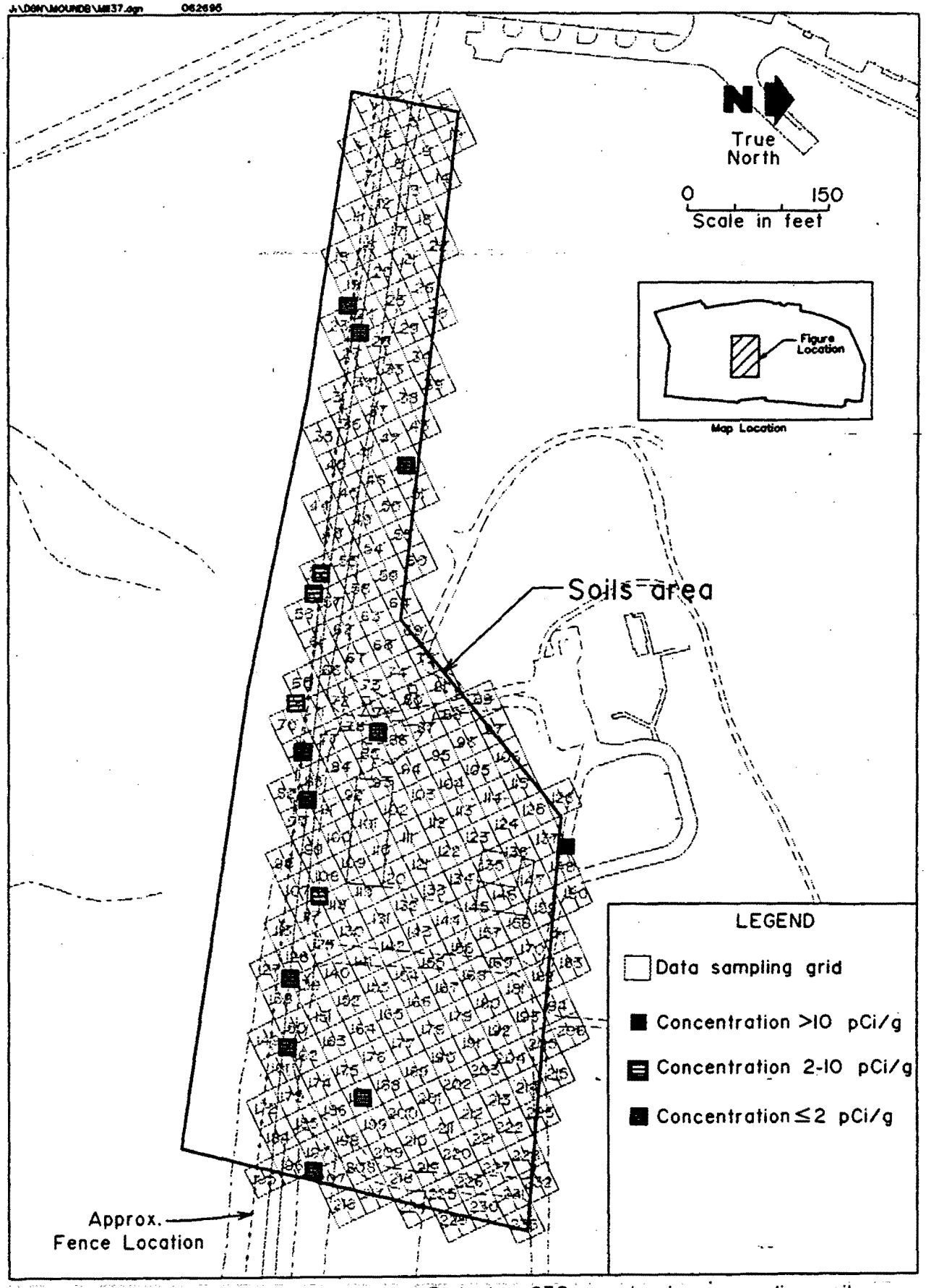


Figure 3.11. Locations and results of Plutonium-238 samples in surrounding soils.

Therefore, the actual presence of any anomalous uranium-234 from plutonium-238 would be nearly impossible to distinguish, as it may be present due to naturally occurring sources and sources associated with the thorium sludges historically stored in Building 21.

Review of other existing data indicates that much higher plutonium-238 contamination may be associated with the soils surrounding Building 21. The Operable Unit 9, Site Scoping Report: Volume 3 - Radiological Survey Data (DOE 1993b) reports that values as high as 34,000 and 17,000 pCi/g surface and subsurface, respectively, have been reported for the area. The history of remediation of the area is complicated by the partial cleanup of the plutonium-238 storage area and the Building 21 soils after the 1974 sludge sale. These data suggest that additional biased sampling in the area should be conducted as part of the D&D characterization.

Review of the gamma spectroscopic analysis for americium-241 indicates 19 positive detections that activities range up to 38.40 pCi/g in 2 samples from the subsurface at Grid Number 124. These elevated readings (Appendix A) are from samples near the area with the highest plutonium-238 result. The mean for surface and subsurface samples is 0.53 and 10.0, respectively, standard deviations are 0.57 and 17.5, respectively. No background sampling for americium-241 was performed (DOE 1994a). The presence of elevated americium-241 in the area of the elevated plutonium-238 analyses is an additional argument that biased sampling for plutonium-238 should be performed.

3.2.3. Results of Chemical Analyses

WESTON submitted 129 soil samples for indicator screen analyses and 62 samples for extended analyses. Raw results for the indicator screen analyses, which included analyses of pH, cyanide, sulfide, total organic carbon (TOC), and total organic halide (TOX), are provided in Appendix D, Sections 1.1, 1.2, 1.3, 1.4, and 1.5, respectively. Laboratory results for the extended analyses, which included analyses of metals, total phenols, VOCs, semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs), are provided in Appendix D.

Because chemical measurements that fall between the laboratory's reporting limit and the established detection limit are subject to large statistical uncertainties, these results were considered "non-detects," and no further evaluation of chemical data results in that range was made. Only results values greater than the laboratory reporting limit are presented in this section.

3.2.3.1. Metals Results

Many of the reported concentrations for metals in the Building 21 surrounding soils fall below laboratory reporting limits and were not considered significant for characterizing the sample locations. The metals concentrations in soil, detected above laboratory reporting limits, were evaluated by comparing laboratory results to the established EG&G background levels and the USEPA Region III Risk-Based Table values for these compounds. As shown in Table 3.4, soil samples with metals concentrations that exceed both laboratory reporting limits and EG&G Mound background levels fall below USEPA Region III Risk-Based Concentration Table values. Risk-based concentration levels have not been established for iron, magnesium, and sodium.

3.2.3.2. PCBs Results

None of the soil samples collected for analysis exceeded 50 parts per million (ppm), the OHEPA action level for PCBs.

3.2.3.3. TOC Results

There are no government-specified TOC action limits. Concentrations in the surrounding soil were compared to the average of the reported results plus three standard deviations, to identify outlying samples which may indicate areas of concern. Two samples were identified as outliers, CC 0/1 (196) and CC 0/2 (007); they had concentrations of 175000 mg/kg and 17000 mg/kg, respectively.

3.2.3.4. TOX Results

There are no government-specified TOX action limits. Concentrations in the surrounding soils were compared to the average of the reported results plus three standard deviations, to identify outlying sample locations which may indicate areas of concern. One sample was identified as an outlier, CC 0/2 (026); it had a TOX concentration of 1750 mg/kg.

3.2.3.5. pH Results

According to the OHEPA soil pH corrosivity guideline, a solid waste is characterized as corrosive if pH levels are less than 2.5 or greater than 12.0. None of the soil samples analyzed had a corrosivity characteristic according to this guideline.

Table 3.4. Comparison of Metals Concentrations Detected Above Laboratory Reporting Limits to EG&G Background Levels and U.S. EPA Region III Risk-Based Concentration Table Values

Sample ID	Analyte Name	Reporting Limit	Result	Units	Q	EG&G Mound Background (mg/kg)	US EPA Region III Risk Based Table Values Jan. - June 1995 (mg/kg)
CC 0/2 -86	Aluminum	200	21000	mg/kg		19000	78000
CC 0/2 -97	Aluminum	200	24400	mg/kg		19000	78000
CC 0/2 -124	Aluminum	200	21600	mg/kg		19000	78000
CC 0/2 -151	Aluminum	200	21200	mg/kg		19000	78000
CC 0/2 -163	Aluminum	200	21400	mg/kg		19000	78000
CC 0/2 -187	Aluminum	200	21000	mg/kg		19000	78000
CC 0/2 -31	Arsenic	10	11	mg/kg		8.6	23
CC 0/2 -74	Arsenic	10	10.4	mg/kg		8.6	23
CC 0/2 -86	Arsenic	10	14.8	mg/kg		8.6	23
CC 0/2 -90	Arsenic	10	12.2	mg/kg		8.6	23
CC 0/2 -97	Arsenic	10	14.5	mg/kg		8.6	23
CC 0/2 -106	Arsenic	10	11.3	mg/kg		8.6	23
CC 0/2 -124	Arsenic	10	19.5	mg/kg		8.6	23
CC 0/2 -141	Arsenic	10	18.5	mg/kg		8.6	23
CC 0/2 -151	Arsenic	10	11.1	mg/kg		8.6	23
CC 0/2 -187	Arsenic	10	12.5	mg/kg		8.6	23
CC 0/2 -40	Chromium	10	21.9	mg/kg		20	390
CC 0/2 -86	Chromium	10	25.2	mg/kg		20	390
CC 0/2 -97	Chromium	10	27.9	mg/kg		20	390
CC 0/2 -124	Chromium	10	28.2	mg/kg		20	390
CC 0/2 -151	Chromium	10	24.1	mg/kg		20	390
CC 0/2 -163	Chromium	10	23.7	mg/kg		20	390
CC 0/2 -187	Chromium	10	24	mg/kg		20	390
CC 0/2 -108	Copper	25	30.2	mg/kg		19	2900
CC 0/2 -124	Copper	25	35.9	mg/kg		19	2900
CC 0/2 -221	Copper	25	32.7	mg/kg		19	2900
CC 0/2 -97	Iron	100	44500	mg/kg		35000	NA
CC 0/2 -124	Iron	100	43000	mg/kg		35000	NA
CC 0/2 -151	Iron	100	37300	mg/kg		35000	NA
CC 0/2 -163	Iron	100	35900	mg/kg		35000	NA
CC 0/2 -187	Iron	100	37400	mg/kg		35000	NA
CC 0/2 -71	Magnesium	5000	52500	mg/kg		40000	NA
CC 1/2 -71	Magnesium	5000	51900	mg/kg		40000	NA
CC 0/2 -100	Magnesium	5000	42900	mg/kg		40000	NA
CC 0/2 -182	Magnesium	5000	76600	mg/kg		40000	NA
CC 0/2 -221	Magnesium	5000	52000	mg/kg		40000	NA
CC 0/2 -222	Magnesium	5000	63100	mg/kg		40000	NA
CC 0/2 -79	Mercury	0.2	0.32	mg/kg		0.15	23
CC 0/2 -148	Mercury	0.2	0.2	mg/kg		0.15	23
CC 0/2 -97	Nickel	40	41.9	mg/kg		32	1600
CC 0/2 -111	Sodium	5000	5750	mg/kg		240	NA
CC 0/2 -83	Zinc	20	208	mg/kg		140	23000

3.2.3.6. Sulfide Results

During QA/QC evaluation, the sulfide data were determined unusable. Section 4 of this report contains a justification for this determination.

3.2.3.7. Cyanide Results

Laboratory results indicate four soil samples had concentrations of cyanide that exceeded laboratory reporting limits. These results are listed by location in Table 3.5. The levels of cyanide in these samples are well below the 1600 mg/kg value given in the USEPA Region III Risk-Based Table for free cyanide.

Table 3.5. Cyanide Results Greater Than the Reporting Limit

Sample ID	Sample Matrix	Analyte Name	Reporting Limit	Result	Units	Q	EG&G Mound Background (mg/kg)	USEPA Region III Risk-Based Table Valued Jan.-June 1995 (mg/kg)
CC 0/2 -74	SOIL	Cyanide Analysis	0.55	8	mg/kg		NA	1600
CC 0/2 -44	SOIL	Cyanide Analysis	0.5	6.36	mg/kg		NA	1600
CC 0/2 -90	SOIL	Cyanide Analysis	0.58	1.67	mg/kg		NA	1600
CC 0/2 -32	SOIL	Cyanide Analysis	0.56	0.97	mg/kg		NA	1600

3.2.3.8. Phenols Results

The laboratory results indicate that none of the soils samples contained phenols in concentrations above the laboratory reporting limits.

3.2.3.9. VOCs

The VOCs present in concentrations exceeding laboratory detection limits are 1,2,3-trichlorobenzene, toluene, naphthalene, and methylene chloride. The samples and reported analyte concentration are listed in Table 3.6. Of these detected compounds, concentrations reported for 1,2,3,-trichlorobenzene and toluene were below laboratory reporting limits and were eliminated from further evaluation. Concentrations of naphthalene and methylene chloride which exceed laboratory reporting limits are suspected to be attributable to laboratory contamination, based on the associated blank results. The maximum reported concentrations for methylene chloride and naphthalene were 160 mg/kg and 8

Table 3.6. Volatile Analytes Greater Than the Detection Limit

Sample ID	Matrix	Analyte Name	Reporting Limit	Result	Units	Q	EG&G Mound Background (µg/kg)	U.S. EPA Region III Risk - Based Table Values Jan. - June 1995 (µg/kg)
CC 0/2 92	SOIL	1,2,3-trichlorobenzene	6	3	µg/kg	J	NA	NA
CC 0/2 3	SOIL	Methylene Chloride	3	10	µg/kg	B	NA	8500
CC 0/2 4	SOIL	Methylene Chloride	3	9	µg/kg	B	NA	8500
CC 0/2 7	SOIL	Methylene Chloride	3	6	µg/kg	B	NA	8500
CC 0/2 11	SOIL	Methylene Chloride	3	7	µg/kg	B	NA	8500
CC 0/2 26	SOIL	Methylene Chloride	3	14	µg/kg	B	NA	8500
CC 0/2 26	SOIL	Methylene Chloride	3	13	µg/kg	B	NA	8500
CC 0/2 26	SOIL	Methylene Chloride	3	12	µg/kg	B	NA	8500
CC 0/2 70	SOIL	Methylene Chloride	3	6	µg/kg	B	NA	8500
CC 0/2 78	SOIL	Methylene Chloride	6	8	µg/kg	B	NA	8500
CC 0/2 78	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 78	SOIL	Methylene Chloride	6	8	µg/kg	B	NA	8500
CC 0/2 78	SOIL	Methylene Chloride	6	20	µg/kg	B	NA	8500
CC 0/2 83	SOIL	Methylene Chloride	6	9	µg/kg	B	NA	8500
CC 0/2 84	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 86	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 87	SOIL	Methylene Chloride	6	31	µg/kg	B	NA	8500
CC 0/2 90	SOIL	Methylene Chloride	6	150	µg/kg	B	NA	8500
CC 0/2 90	SOIL	Methylene Chloride	6	140	µg/kg	B	NA	8500
CC 0/2 92	SOIL	Methylene Chloride	6	69	µg/kg	B	NA	8500
CC 0/2 97	SOIL	Methylene Chloride	6	120	µg/kg	B	NA	8500
CC 0/2 100	SOIL	Methylene Chloride	6	11	µg/kg	B	NA	8500
CC 0/2 102	SOIL	Methylene Chloride	6	19	µg/kg	B	NA	8500
CC 0/2 108	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 111	SOIL	Methylene Chloride	5	9	µg/kg	B	NA	8500
CC 0/2 118	SOIL	Methylene Chloride	6	11	µg/kg	B	NA	8500
CC 0/2 119	SOIL	Methylene Chloride	6	13	µg/kg	B	NA	8500
CC 0/2 120	SOIL	Methylene Chloride	6	14	µg/kg	B	NA	8500
CC 0/2 125	SOIL	Methylene Chloride	6	130	µg/kg	B	NA	8500
CC 0/2 125	SOIL	Methylene Chloride	6	110	µg/kg	B	NA	8500
CC 0/2 141	SOIL	Methylene Chloride	5	110	µg/kg	B	NA	8500
CC 0/2 151	SOIL	Methylene Chloride	6	42	µg/kg	B	NA	8500
CC 0/2 163	SOIL	Methylene Chloride	6	38	µg/kg	B	NA	8500
CC 0/2 182	SOIL	Methylene Chloride	5	50	µg/kg	B	NA	8500
CC 0/2 202	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 221	SOIL	Methylene Chloride	5	8	µg/kg	B	NA	8500
CC 0/2 222	SOIL	Methylene Chloride	5	9	µg/kg	B	NA	8500
CC 0/2 086RE	SOIL	Methylene Chloride	6	11	µg/kg	B	NA	8500
CC 0/2 087RE	SOIL	Methylene Chloride	6	19	µg/kg	B	NA	8500
CC 0/2 090RE	SOIL	Methylene Chloride	6	160	µg/kg	B	NA	8500
CC 0/2 091RE	SOIL	Methylene Chloride	6	11	µg/kg	B	NA	8500

Table 3.6. (page 2 of 3)

Sample ID	Matrix	Analyte Name	Reporting Limit	Result	Units	Q	EG&G Mound Background (µg/kg)	U.S. EPA Region III Risk - Based Table Values Jan. - June 1995 (µg/kg)
CC 0/2 092RE	SOIL	Methylene Chloride	6	10	µg/kg	B	NA	8500
CC 0/2 106RE	SOIL	Methylene Chloride	6	84	µg/kg	B	NA	8500
CC 0/2 108RE	SOIL	Methylene Chloride	6	12	µg/kg	B	NA	8500
CC 0/2 138RE	SOIL	Methylene Chloride	6	59	µg/kg	B	NA	8500
CC 0/2 141RE	SOIL	Methylene Chloride	5	17	µg/kg	B	NA	8500
CC 0/2 148RE	SOIL	Methylene Chloride	6	42	µg/kg	B	NA	8500
CC 0/2 151RE	SOIL	Methylene Chloride	6	120	µg/kg	B	NA	8500
CC 0/2 170RE	SOIL	Methylene Chloride	6	60	µg/kg	B	NA	8500
CC 0/2 1	SOIL	Methylene Chloride	3	6	µg/kg	BJ	NA	8500
CC 0/2 9	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 17	SOIL	Methylene Chloride	3	5	µg/kg	BJ	NA	8500
CC 0/2 47	SOIL	Methylene Chloride	3	3	µg/kg	BJ	NA	8500
CC 0/2 53	SOIL	Methylene Chloride	3	3	µg/kg	BJ	NA	8500
CC 0/2 54	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 61	SOIL	Methylene Chloride	3	5	µg/kg	BJ	NA	8500
CC 0/2 71	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 76	SOIL	Methylene Chloride	3	3	µg/kg	BJ	NA	8500
CC 0/2 76	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 76	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 001RE	SOIL	Methylene Chloride	3	2	µg/kg	BJ	NA	8500
CC 0/2 007RE	SOIL	Methylene Chloride	3	4	µg/kg	BJ	NA	8500
CC 0/2 011RE	SOIL	Methylene Chloride	3	3	µg/kg	BJ	NA	8500
CC 0/2 017RE	SOIL	Methylene Chloride	3	3	µg/kg	BJ	NA	8500
CC 0/2 40	SOIL	Methylene Chloride	3	3	µg/kg	J	NA	8500
CC 0/2 44	SOIL	Methylene Chloride	3	3	µg/kg	J	NA	8500
CC 0/2 52	SOIL	Methylene Chloride	3	2	µg/kg	J	NA	8500
CC 0/2 65	SOIL	Methylene Chloride	3	6	µg/kg	J	NA	8500
CC 0/2 66	SOIL	Methylene Chloride	3	2	µg/kg	J	NA	8500
CC 0/2 74	SOIL	Methylene Chloride	3	3	µg/kg	J	NA	8500
CC 0/2 79	SOIL	Methylene Chloride	3	3	µg/kg	J	NA	8500
CC 0/2 107	SOIL	Methylene Chloride	6	5	µg/kg	J	NA	8500
CC 0/2 138	SOIL	Methylene Chloride	6	5	µg/kg	J	NA	8500
CC 0/2 161	SOIL	Methylene Chloride	6	5	µg/kg	J	NA	8500
CC 0/2 170	SOIL	Methylene Chloride	6	4	µg/kg	J	NA	8500
CC 0/2 170	SOIL	Methylene Chloride	6	5	µg/kg	J	NA	8500
CC 0/2 170	SOIL	Methylene Chloride	6	5	µg/kg	J	NA	8500
CC 0/2 178	SOIL	Methylene Chloride	6	4	µg/kg	J	NA	8500
CC 0/2 187	SOIL	Methylene Chloride	6	4	µg/kg	J	NA	8500
CC 1/2 202	SOIL	Methylene Chloride	6	3	µg/kg	J	NA	8500
CC 0/2 209	SOIL	Methylene Chloride	6	4	µg/kg	J	NA	8500
CC 0/2 222	SOIL	Methylene Chloride	5	3	µg/kg	J	NA	8500

Table 3.6. (page 3 of 3)

Sample ID	Matrix	Analyte Name	Reporting Limit	Result	Units	Q	EG&G Mound Background (µg/kg)	U.S. EPA Region III Risk - Based Table Values Jan. - June 1995 (µg/kg)
CC 0/2 070RE	SOIL	Methylene Chloride	3	4	µg/kg	J	NA	8500
CC 0/2 071RE	SOIL	Methylene Chloride	3	4	µg/kg	J	NA	8500
CC 0/2 78	SOIL	Naphthalene	6	8	µg/kg	B	NA	3100000
CC 0/2 209	SOIL	Naphthalene	6	6	µg/kg	B	NA	3100000
CC 0/2 3	SOIL	Naphthalene	0	1	µg/kg	J	NA	3100000
CC 0/2 7	SOIL	Naphthalene	0	1	µg/kg	J	NA	3100000
CC 0/2 26	SOIL	Naphthalene	0	1	µg/kg	J	NA	3100000
CC 0/2 26	SOIL	Naphthalene	0	1	µg/kg	J	NA	3100000
CC 0/2 92	SOIL	Naphthalene	6	5	µg/kg	J	NA	3100000
CC 0/2 32	SOIL	Naphthlanene	0	1	µg/kg	J	NA	3100000
CC 0/2 97	SOIL	Toluene	6	76	µg/kg	B	NA	16000000
CC 0/2 125	SOIL	Toluene	6	62	µg/kg	B	NA	16000000
CC 0/2 40	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 61	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 65	SOIL	Toluene	3	2	µg/kg	J	NA	16000000
CC 0/2 70	SOIL	Toluene	3	2	µg/kg	J	NA	16000000
CC 0/2 71	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 74	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 76	SOIL	Toluene	3	3	µg/kg	J	NA	16000000
CC 0/2 182	SOIL	Toluene	5	1	µg/kg	J	NA	16000000
CC 0/2 202	SOIL	Toluene	6	2	µg/kg	J	NA	16000000
CC 1/2 202	SOIL	Toluene	6	2	µg/kg	J	NA	16000000
CC 0/2 001RE	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 017RE	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 065RE	SOIL	Toluene	3	2	µg/kg	J	NA	16000000
CC 0/2 071RE	SOIL	Toluene	3	1	µg/kg	J	NA	16000000
CC 0/2 141RE	SOIL	Toluene	5	2	µg/kg	J	NA	16000000
CC 0/2 170RE	SOIL	Toluene	6	3	µg/kg	J	NA	16000000

mg/kg, respectively. The EPA Region III Risk Based Table values for methylene chloride and naphthalene are 85,000 mg/kg and 3,100 mg/kg, respectively.

The potential presence of VOCs may effect waste disposal decisions on soils that may be remediated as part of the D&D of Building 21. For instance, samples from grids 97 and 125 that contain toluene compounds may also contain elevated thorium-232 activities above a yet to be determined cleanup goal. The impact that the presence of these compounds may have against the waste acceptance criteria was not evaluated, and is beyond the scope of this report.

3.2.3.10. SVOCs

The SVOCs with concentrations which exceed laboratory reporting limits can be basically classified as polyaromatic hydrocarbons (PAHs) and phthalates. Di-n-butylphthalate was identified in many of the laboratory blanks and is a common laboratory contaminant. Because di-n-butylphthalate was systematically present in the blanks, the parameter was not considered a valid indicator of site conditions. The remaining target analytes can be classified as PAHs and are present only in samples from grids 70 and 221. A comparison of PAH concentrations in the soil was made to the USEPA Region III Risk-Based Table and the Land-Ban requirements of 40 CFR 268. As shown in Table 3.7, all soil samples with PAH concentrations which exceed the laboratory reporting limits fall below USEPA Region III Risk-Based Concentration Table values and/or the Land-Ban requirements of 40 CFR 268. There are no risk-based concentration levels or Land-Ban requirements established for benzo(g,h,i)perylene and phenanthrene.

The potential presence of SVOCs may effect waste disposal decisions on soils that may be remediated as part of the D&D of Building 21. For instance, samples from grids 70 and 221 that contain PAH compounds also contain elevated thorium-232 activities above the upper 95 percent sample tolerance limit expected of naturally occurring soils in the area of EG&G Mound. The impact that the presence of these compounds may have against the waste acceptance criteria was not evaluated and is beyond the scope of this report.

Table 3.7. Semi-Volatile Results Greater Than the Reporting Limit

Sample ID	Sample Matrix	Analyte Name	Reporting Limit	Result	Units	Q	US EPA Region III Risk Based Table Values Jan. - June 1995 (µg/kg)	Land-Ban Standards (40 CFR 268) (µg/kg)
CC 0/2 1	SOIL	Di-n-Butylphthalate	390	730	µg/kg	B	NA	NA
CC 0/2 3	SOIL	Di-n-Butylphthalate	380	1400	µg/kg	B	NA	NA
CC 0/2 4	SOIL	Di-n-Butylphthalate	370	1300	µg/kg	B	NA	NA
CC 0/2 17	SOIL	Di-n-Butylphthalate	360	760	µg/kg	B	NA	NA
CC 0/2 70	SOIL	Benzo(a)Anthracene	390	1000	µg/kg		880	8200
CC 0/2 70	SOIL	Benzo(a)Pyrene	390	1000	µg/kg		88	8200
CC 0/2 70	SOIL	Benzo(b)Fluoranthene	390	900	µg/kg		880	NA
CC 0/2 70	SOIL	Benzo(g,h,i)Perylene	390	900	µg/kg		NA	NA
CC 0/2 70	SOIL	Benzo(k)Fluoranthene	390	930	µg/kg		8800	NA
CC 0/2 70	SOIL	Chrysene	390	1000	µg/kg		88000	8200
CC 0/2 70	SOIL	Fluoranthene	390	2000	µg/kg		3100000	8200
CC 0/2 70	SOIL	Indeno(1,2,3-cd)Pyrene	390	660	µg/kg		880	8200
CC 0/2 70	SOIL	Phenanthrene	390	1500	µg/kg		NA	NA
CC 0/2 70	SOIL	Pyrene	390	4000	µg/kg		2300000	NA
CC 0/2 86	SOIL	Di-n-Butylphthalate	360	470	µg/kg	B	NA	NA
CC 0/2 87	SOIL	Di-n-Butylphthalate	370	410	µg/kg	B	NA	NA
CC 0/2 90	SOIL	Di-n-Butylphthalate	390	440	µg/kg	B	NA	NA
CC 0/2 97	SOIL	Di-n-Butylphthalate	420	510	µg/kg	B	NA	NA
CC 0/2 102	SOIL	Di-n-Butylphthalate	380	1200	µg/kg	B	NA	NA
CC 0/2 111	SOIL	Di-n-Butylphthalate	360	750	µg/kg	B	NA	NA
CC 0/2 119	SOIL	Di-n-Butylphthalate	390	490	µg/kg	B	NA	NA
CC 0/2 120	SOIL	Di-n-Butylphthalate	400	470	µg/kg	B	NA	NA
CC 0/2 125	SOIL	Di-n-Butylphthalate	380	400	µg/kg	B	NA	NA
CC 0/2 170	SOIL	Di-n-Butylphthalate	380	390	µg/kg	B	NA	NA
CC 0/2 187	SOIL	Di-n-Butylphthalate	390	620	µg/kg	B	NA	NA
CC 0/2 221	SOIL	Di-n-Butylphthalate	360	600	µg/kg	B	NA	NA
CC 0/2 221	SOIL	Pyrene	360	510	µg/kg		2300000	NA
CC 0/2 222	SOIL	Di-n-Butylphthalate	380	440	µg/kg	B	NA	NA
CC 0/2 01RE	SOIL	Di-n-Butylphthalate	390	700	µg/kg	B	NA	NA
CC 0/2 04RE	SOIL	Di-n-Butylphthalate	370	1200	µg/kg	B	NA	NA
CC 0/2 070RE	SOIL	Benzo(a)Anthracene	390	1000	µg/kg		880	8200
CC 0/2 070RE	SOIL	Benzo(a)Pyrene	390	1000	µg/kg		88	8200
CC 0/2 070RE	SOIL	Benzo(b)Fluoranthene	390	1000	µg/kg		880	NA
CC 0/2 070RE	SOIL	Benzo(g,h,i)Perylene	390	590	µg/kg		NA	NA
CC 0/2 070RE	SOIL	Benzo(k)Fluoranthene	390	950	µg/kg		8800	NA
CC 0/2 070RE	SOIL	Chrysene	390	980	µg/kg		88000	8200
CC 0/2 070RE	SOIL	Fluoranthene	390	1800	µg/kg		3100000	8200
CC 0/2 070RE	SOIL	Indeno(1,2,3-cd)Pyrene	390	500	µg/kg		880	8200
CC 0/2 070RE	SOIL	Phenanthrene	390	1600	µg/kg		NA	NA
CC 0/2 070RE	SOIL	Pyrene	390	3700	µg/kg		2300000	NA
CC 0/2 178RE	SOIL	Di-n-Butylphthalate	370	1200	µg/kg	B	NA	NA
CC 0/2 221RE	SOIL	Benzo(g,h,i)Perylene	360	600	µg/kg		NA	NA
CC 0/2 221RE	SOIL	Di-n-Butylphthalate	360	600	µg/kg	B	NA	NA
CC 0/2 221RE	SOIL	Pyrene	360	480	µg/kg		2300000	NA

A.11. Summary Data of Gamma Spectroscopic Analyses of Surrounding Soils

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(106)	AM-241	0.17	0.08	0.26	0.14	PCI/G
CC0/2(124)	AM-241	38.30	3.94	42.24	0.00	PCI/G
CC0/2(124)	AM-241	38.40	3.90	42.30	0.00	PCI/G
NE0/1(119)	AM-241	0.31	0.16	0.47	0.00	PCI/G
NE0/1(125)	AM-241	0.22	0.09	0.31	0.00	PCI/G
NE0/2(097)	AM-241	0.44	0.33	0.77	0.00	PCI/G
NE1/1(074)	AM-241	0.18	0.10	0.28	0.17	PCI/G
NW0/1(084)	AM-241	1.36	0.37	1.73	0.00	PCI/G
NW0/1(092)	AM-241	0.83	0.47	1.31	0.00	PCI/G
NW0/1(102)	AM-241	0.44	0.29	0.73	0.00	PCI/G
NW0/1(124)	AM-241	0.42	0.17	0.58	0.00	PCI/G
NW0/2(084)	AM-241	1.26	0.36	1.62	0.00	PCI/G
SE0/1(027)	AM-241	0.02	0.06	0.08	0.00	PCI/G
SE0/1(106)	AM-241	0.11	0.11	0.22	0.00	PCI/G
SE0/2(052)	AM-241	0.29	0.18	0.47	0.28	PCI/G
SE0/2(106)	AM-241	0.56	0.20	0.76	0.00	PCI/G
SW0/1(124)	AM-241	1.81	0.25	2.06	0.00	PCI/G
SW0/2(097)	AM-241	0.85	0.18	1.03	0.00	PCI/G
SW0/2(124)	AM-241	0.23	0.25	0.47	0.00	PCI/G
CC0/2(091)	BI-210M	0.07	0.04	0.11	0.07	PCI/G
SE0/1(076)	BI-210M	0.01	0.01	0.02	0.00	PCI/G
CC0/1(001)	CS-137DA	0.32	0.05	0.37	0.00	PCI/G
CC0/1(003)	CS-137DA	0.54	0.07	0.61	0.00	PCI/G
CC0/1(004)	CS-137DA	0.12	0.03	0.15	0.00	PCI/G
CC0/1(007)	CS-137DA	0.13	0.03	0.16	0.00	PCI/G
CC0/1(009)	CS-137DA	0.12	0.04	0.16	0.00	PCI/G
CC0/1(011)	CS-137DA	0.34	0.07	0.40	0.00	PCI/G
CC0/1(017)	CS-137DA	0.27	0.05	0.33	0.00	PCI/G
CC0/1(026)	CS-137DA	0.14	0.04	0.17	0.00	PCI/G
CC0/1(028)	CS-137DA	0.04	0.02	0.06	0.04	PCI/G
CC0/1(031)	CS-137DA	0.80	0.11	0.91	0.00	PCI/G
CC0/1(040)	CS-137DA	0.15	0.05	0.21	0.00	PCI/G
CC0/1(044)	CS-137DA	0.08	0.02	0.10	0.00	PCI/G
CC0/1(047)	CS-137DA	0.16	0.05	0.20	0.00	PCI/G
CC0/1(047)	CS-137DA	0.19	0.05	0.24	0.00	PCI/G
CC0/1(052)	CS-137DA	0.03	0.01	0.04	0.03	PCI/G
CC0/1(054)	CS-137DA	0.13	0.07	0.20	0.00	PCI/G
CC0/1(066)	CS-137DA	0.26	0.06	0.31	0.00	PCI/G
CC0/1(070)	CS-137DA	0.63	0.09	0.72	0.00	PCI/G
CC0/1(071)	CS-137DA	0.06	0.04	0.09	0.00	PCI/G
CC0/1(074)	CS-137DA	0.44	0.06	0.50	0.00	PCI/G
CC0/1(076)	CS-137DA	0.19	0.04	0.22	0.00	PCI/G
CC0/1(078)	CS-137DA	0.07	0.04	0.10	0.06	PCI/G
CC0/1(079)	CS-137DA	0.48	0.07	0.55	0.00	PCI/G
CC0/1(079)	CS-137DA	0.51	0.07	0.58	0.00	PCI/G
CC0/1(083)	CS-137DA	0.26	0.05	0.31	0.00	PCI/G
CC0/1(087)	CS-137DA	0.10	0.05	0.15	0.00	PCI/G
CC0/1(090)	CS-137DA	0.37	0.06	0.43	0.00	PCI/G
CC0/1(090)	CS-137DA	0.38	0.07	0.45	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(097)	CS-137DA	0.19	0.05	0.25	0.00	PCI/G
CC0/1(106)	CS-137DA	0.35	0.06	0.41	0.00	PCI/G
CC0/1(108)	CS-137DA	0.12	0.05	0.17	0.09	PCI/G
CC0/1(118)	CS-137DA	0.12	0.05	0.17	0.09	PCI/G
CC0/1(119)	CS-137DA	0.12	0.06	0.18	0.00	PCI/G
CC0/1(138)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
CC0/1(148)	CS-137DA	0.15	0.07	0.21	0.00	PCI/G
CC0/1(161)	CS-137DA	0.14	0.03	0.18	0.00	PCI/G
CC0/1(170)	CS-137DA	0.17	0.03	0.20	0.00	PCI/G
CC0/1(178)	CS-137DA	0.07	0.06	0.13	0.00	PCI/G
CC0/1(182)	CS-137DA	0.04	0.02	0.06	0.00	PCI/G
CC0/1(196)	CS-137DA	0.15	0.04	0.18	0.00	PCI/G
CC0/1(202)	CS-137DA	0.07	0.03	0.10	0.00	PCI/G
CC0/1(231)	CS-137DA	0.05	0.03	0.09	0.00	PCI/G
CC0/2(001)	CS-137DA	0.30	0.05	0.35	0.00	PCI/G
CC0/2(003)	CS-137DA	0.05	0.03	0.08	0.05	PCI/G
CC0/2(004)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
CC0/2(007)	CS-137DA	0.07	0.02	0.10	0.00	PCI/G
CC0/2(007)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
CC0/2(009)	CS-137DA	0.10	0.04	0.13	0.00	PCI/G
CC0/2(011)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
CC0/2(017)	CS-137DA	0.14	0.04	0.18	0.00	PCI/G
CC0/2(026)	CS-137DA	0.05	0.02	0.07	0.04	PCI/G
CC0/2(031)	CS-137DA	1.15	0.15	1.30	0.00	PCI/G
CC0/2(040)	CS-137DA	0.02	0.03	0.06	0.00	PCI/G
CC0/2(044)	CS-137DA	0.23	0.06	0.29	0.00	PCI/G
CC0/2(047)	CS-137DA	0.04	0.05	0.09	0.00	PCI/G
CC0/2(052)	CS-137DA	0.56	0.08	0.63	0.00	PCI/G
CC0/2(061)	CS-137DA	0.57	0.09	0.66	0.00	PCI/G
CC0/2(065)	CS-137DA	0.05	0.02	0.07	0.04	PCI/G
CC0/2(066)	CS-137DA	0.37	0.06	0.43	0.00	PCI/G
CC0/2(070)	CS-137DA	0.12	0.04	0.16	0.00	PCI/G
CC0/2(071)	CS-137DA	0.07	0.04	0.11	0.00	PCI/G
CC0/2(071)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
CC0/2(074)	CS-137DA	0.18	0.05	0.23	0.00	PCI/G
CC0/2(078)	CS-137DA	0.19	0.08	0.26	0.13	PCI/G
CC0/2(078)	CS-137DA	0.32	0.06	0.38	0.00	PCI/G
CC0/2(079)	CS-137DA	0.15	0.03	0.18	0.00	PCI/G
CC0/2(083)	CS-137DA	0.12	0.05	0.17	0.00	PCI/G
CC0/2(084)	CS-137DA	0.05	0.03	0.08	0.05	PCI/G
CC0/2(087)	CS-137DA	0.07	0.02	0.09	0.00	PCI/G
CC0/2(090)	CS-137DA	0.56	0.08	0.64	0.00	PCI/G
CC0/2(091)	CS-137DA	0.13	0.07	0.19	0.00	PCI/G
CC0/2(092)	CS-137DA	0.05	0.03	0.08	0.00	PCI/G
CC0/2(100)	CS-137DA	0.08	0.04	0.12	0.07	PCI/G
CC0/2(102)	CS-137DA	0.27	0.10	0.37	0.00	PCI/G
CC0/2(106)	CS-137DA	0.14	0.04	0.17	0.00	PCI/G
CC0/2(107)	CS-137DA	0.32	0.07	0.38	0.00	PCI/G
CC0/2(108)	CS-137DA	0.14	0.04	0.18	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/2(119)	CS-137DA	0.17	0.06	0.22	0.00	PCI/G
CC0/2(120)	CS-137DA	0.17	0.07	0.24	0.00	PCI/G
CC0/2(124)	CS-137DA	0.05	0.02	0.07	0.04	PCI/G
CC0/2(141)	CS-137DA	0.14	0.04	0.19	0.00	PCI/G
CC0/2(148)	CS-137DA	0.08	0.04	0.12	0.00	PCI/G
CC0/2(161)	CS-137DA	0.16	0.04	0.20	0.00	PCI/G
CC0/2(170)	CS-137DA	0.11	0.03	0.14	0.00	PCI/G
CC0/2(182)	CS-137DA	0.08	0.02	0.11	0.00	PCI/G
CC0/2(209)	CS-137DA	0.11	0.06	0.17	0.00	PCI/G
CC0/2(222)	CS-137DA	0.09	0.04	0.13	0.00	PCI/G
CC0/2(231)	CS-137DA	0.09	0.04	0.13	0.00	PCI/G
CC1/1(070)	CS-137DA	0.34	0.06	0.40	0.00	PCI/G
NE0/1(001)	CS-137DA	0.23	0.05	0.27	0.00	PCI/G
NE0/1(003)	CS-137DA	0.32	0.05	0.37	0.00	PCI/G
NE0/1(007)	CS-137DA	0.23	0.05	0.27	0.00	PCI/G
NE0/1(009)	CS-137DA	0.35	0.05	0.40	0.00	PCI/G
NE0/1(011)	CS-137DA	0.31	0.05	0.36	0.00	PCI/G
NE0/1(015)	CS-137DA	0.31	0.05	0.35	0.00	PCI/G
NE0/1(017)	CS-137DA	0.34	0.06	0.40	0.00	PCI/G
NE0/1(026)	CS-137DA	0.41	0.06	0.47	0.00	PCI/G
NE0/1(027)	CS-137DA	0.13	0.04	0.17	0.00	PCI/G
NE0/1(028)	CS-137DA	0.16	0.05	0.21	0.00	PCI/G
NE0/1(032)	CS-137DA	0.08	0.04	0.12	0.00	PCI/G
NE0/1(040)	CS-137DA	0.05	0.02	0.07	0.04	PCI/G
NE0/1(047)	CS-137DA	0.18	0.05	0.22	0.00	PCI/G
NE0/1(053)	CS-137DA	0.16	0.05	0.20	0.00	PCI/G
NE0/1(054)	CS-137DA	0.07	0.03	0.10	0.05	PCI/G
NE0/1(061)	CS-137DA	0.35	0.06	0.42	0.00	PCI/G
NE0/1(061)	CS-137DA	0.35	0.07	0.42	0.00	PCI/G
NE0/1(065)	CS-137DA	0.20	0.06	0.27	0.00	PCI/G
NE0/1(066)	CS-137DA	0.66	0.09	0.75	0.00	PCI/G
NE0/1(070)	CS-137DA	0.28	0.05	0.32	0.00	PCI/G
NE0/1(071)	CS-137DA	0.12	0.04	0.16	0.00	PCI/G
NE0/1(074)	CS-137DA	0.22	0.04	0.27	0.00	PCI/G
NE0/1(076)	CS-137DA	0.29	0.06	0.35	0.00	PCI/G
NE0/1(078)	CS-137DA	0.04	0.03	0.08	0.00	PCI/G
NE0/1(079)	CS-137DA	0.54	0.07	0.62	0.00	PCI/G
NE0/1(087)	CS-137DA	0.07	0.03	0.10	0.06	PCI/G
NE0/1(090)	CS-137DA	0.28	0.06	0.34	0.00	PCI/G
NE0/1(090)	CS-137DA	0.30	0.07	0.37	0.00	PCI/G
NE0/1(097)	CS-137DA	0.43	0.07	0.50	0.00	PCI/G
NE0/1(107)	CS-137DA	0.28	0.06	0.35	0.00	PCI/G
NE0/1(118)	CS-137DA	0.22	0.09	0.32	0.00	PCI/G
NE0/1(119)	CS-137DA	0.11	0.04	0.16	0.00	PCI/G
NE0/1(120)	CS-137DA	0.03	0.01	0.04	0.03	PCI/G
NE0/1(125)	CS-137DA	0.07	0.02	0.09	0.00	PCI/G
NE0/1(138)	CS-137DA	0.03	0.01	0.04	0.02	PCI/G
NE0/1(141)	CS-137DA	0.06	0.04	0.10	0.00	PCI/G
NE0/1(151)	CS-137DA	0.06	0.02	0.08	0.04	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NEO/1(161)	CS-137DA	0.07	0.03	0.10	0.00	PCI/G
NEO/1(182)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
NEO/1(187)	CS-137DA	0.06	0.03	0.09	0.00	PCI/G
NEO/1(202)	CS-137DA	0.03	0.02	0.06	0.00	PCI/G
NEO/1(209)	CS-137DA	0.10	0.04	0.13	0.00	PCI/G
NEO/1(209)	CS-137DA	0.11	0.04	0.15	0.00	PCI/G
NEO/1(231)	CS-137DA	0.05	0.02	0.07	0.00	PCI/G
NEO/2(001)	CS-137DA	0.21	0.05	0.26	0.00	PCI/G
NEO/2(003)	CS-137DA	0.06	0.02	0.08	0.05	PCI/G
NEO/2(011)	CS-137DA	0.22	0.05	0.27	0.00	PCI/G
NEO/2(015)	CS-137DA	0.31	0.05	0.36	0.00	PCI/G
NEO/2(017)	CS-137DA	0.09	0.04	0.12	0.00	PCI/G
NEO/2(023)	CS-137DA	0.85	0.12	0.96	0.00	PCI/G
NEO/2(026)	CS-137DA	0.21	0.05	0.26	0.00	PCI/G
NEO/2(026)	CS-137DA	0.23	0.05	0.28	0.00	PCI/G
NEO/2(027)	CS-137DA	0.18	0.05	0.23	0.00	PCI/G
NEO/2(028)	CS-137DA	0.13	0.05	0.18	0.00	PCI/G
NEO/2(032)	CS-137DA	0.19	0.06	0.25	0.00	PCI/G
NEO/2(047)	CS-137DA	0.56	0.08	0.64	0.00	PCI/G
NEO/2(053)	CS-137DA	0.20	0.05	0.25	0.00	PCI/G
NEO/2(054)	CS-137DA	0.36	0.06	0.42	0.00	PCI/G
NEO/2(054)	CS-137DA	0.40	0.07	0.47	0.00	PCI/G
NEO/2(061)	CS-137DA	0.11	0.04	0.15	0.00	PCI/G
NEO/2(065)	CS-137DA	0.07	0.04	0.11	0.00	PCI/G
NEO/2(066)	CS-137DA	0.24	0.04	0.29	0.00	PCI/G
NEO/2(071)	CS-137DA	0.13	0.03	0.16	0.00	PCI/G
NEO/2(074)	CS-137DA	0.15	0.03	0.18	0.00	PCI/G
NEO/2(076)	CS-137DA	0.23	0.05	0.28	0.00	PCI/G
NEO/2(078)	CS-137DA	0.05	0.03	0.08	0.00	PCI/G
NEO/2(079)	CS-137DA	0.28	0.05	0.34	0.00	PCI/G
NEO/2(090)	CS-137DA	0.28	0.06	0.34	0.00	PCI/G
NEO/2(097)	CS-137DA	0.22	0.06	0.28	0.00	PCI/G
NEO/2(107)	CS-137DA	0.25	0.05	0.30	0.00	PCI/G
NEO/2(118)	CS-137DA	0.26	0.07	0.33	0.00	PCI/G
NEO/2(119)	CS-137DA	0.08	0.04	0.11	0.00	PCI/G
NEO/2(141)	CS-137DA	0.48	0.08	0.57	0.00	PCI/G
NEO/2(148)	CS-137DA	0.08	0.03	0.11	0.00	PCI/G
NEO/2(202)	CS-137DA	0.10	0.04	0.14	0.06	PCI/G
NE1/1(074)	CS-137DA	0.18	0.05	0.23	0.00	PCI/G
NE1/1(178)	CS-137DA	0.04	0.03	0.07	0.00	PCI/G
NE1/2(023)	CS-137DA	0.88	0.12	1.00	0.00	PCI/G
NWO/1(001)	CS-137DA	0.04	0.02	0.07	0.00	PCI/G
NWO/1(017)	CS-137DA	0.10	0.05	0.15	0.00	PCI/G
NWO/1(023)	CS-137DA	0.07	0.04	0.11	0.00	PCI/G
NWO/1(023)	CS-137DA	0.09	0.05	0.14	0.00	PCI/G
NWO/1(026)	CS-137DA	0.05	0.02	0.07	0.04	PCI/G
NWO/1(028)	CS-137DA	0.31	0.06	0.37	0.00	PCI/G
NWO/1(040)	CS-137DA	0.15	0.05	0.19	0.00	PCI/G
NWO/1(047)	CS-137DA	0.07	0.03	0.09	0.05	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/1(054)	CS-137DA	0.15	0.05	0.19	0.00	PCI/G
NW0/1(061)	CS-137DA	0.10	0.04	0.13	0.00	PCI/G
NW0/1(074)	CS-137DA	0.58	0.08	0.66	0.00	PCI/G
NW0/1(078)	CS-137DA	0.18	0.03	0.22	0.00	PCI/G
NW0/1(079)	CS-137DA	0.09	0.03	0.12	0.06	PCI/G
NW0/1(087)	CS-137DA	0.31	0.06	0.38	0.00	PCI/G
NW0/1(092)	CS-137DA	0.12	0.06	0.18	0.00	PCI/G
NW0/1(097)	CS-137DA	0.23	0.06	0.28	0.00	PCI/G
NW0/1(100)	CS-137DA	0.07	0.03	0.10	0.06	PCI/G
NW0/1(102)	CS-137DA	0.11	0.05	0.17	0.09	PCI/G
NW0/1(107)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
NW0/1(124)	CS-137DA	0.02	0.02	0.04	0.00	PCI/G
NW0/1(141)	CS-137DA	0.16	0.06	0.22	0.00	PCI/G
NW0/1(141)	CS-137DA	0.19	0.09	0.28	0.00	PCI/G
NW0/1(148)	CS-137DA	0.08	0.03	0.10	0.05	PCI/G
NW0/1(148)	CS-137DA	0.08	0.04	0.12	0.00	PCI/G
NW0/1(151)	CS-137DA	0.07	0.02	0.09	0.04	PCI/G
NW0/1(170)	CS-137DA	0.05	0.03	0.07	0.00	PCI/G
NW0/1(178)	CS-137DA	0.08	0.05	0.13	0.00	PCI/G
NW0/1(182)	CS-137DA	0.07	0.04	0.11	0.00	PCI/G
NW0/1(196)	CS-137DA	0.24	0.05	0.29	0.00	PCI/G
NW0/1(202)	CS-137DA	0.07	0.03	0.10	0.00	PCI/G
NW0/1(209)	CS-137DA	0.07	0.02	0.09	0.00	PCI/G
NW0/2(001)	CS-137DA	0.13	0.03	0.17	0.00	PCI/G
NW0/2(001)	CS-137DA	0.16	0.04	0.20	0.00	PCI/G
NW0/2(023)	CS-137DA	0.09	0.04	0.13	0.00	PCI/G
NW0/2(028)	CS-137DA	0.14	0.05	0.18	0.00	PCI/G
NW0/2(040)	CS-137DA	0.05	0.06	0.11	0.00	PCI/G
NW0/2(047)	CS-137DA	0.06	0.06	0.12	0.00	PCI/G
NW0/2(052)	CS-137DA	0.36	0.06	0.42	0.00	PCI/G
NW0/2(054)	CS-137DA	0.10	0.03	0.13	0.00	PCI/G
NW0/2(074)	CS-137DA	0.43	0.06	0.49	0.00	PCI/G
NW0/2(078)	CS-137DA	0.06	0.03	0.09	0.00	PCI/G
NW0/2(079)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
NW0/2(084)	CS-137DA	0.08	0.03	0.11	0.06	PCI/G
NW0/2(087)	CS-137DA	0.03	0.03	0.06	0.00	PCI/G
NW0/2(091)	CS-137DA	0.05	0.02	0.08	0.04	PCI/G
NW0/2(097)	CS-137DA	0.08	0.03	0.11	0.00	PCI/G
NW0/2(100)	CS-137DA	0.06	0.06	0.11	0.00	PCI/G
NW0/2(118)	CS-137DA	0.10	0.04	0.15	0.00	PCI/G
NW0/2(138)	CS-137DA	0.45	0.08	0.52	0.00	PCI/G
NW0/2(141)	CS-137DA	0.09	0.04	0.14	0.00	PCI/G
NW0/2(161)	CS-137DA	0.09	0.03	0.12	0.05	PCI/G
NW0/2(170)	CS-137DA	0.12	0.04	0.17	0.00	PCI/G
NW0/2(182)	CS-137DA	0.05	0.03	0.08	0.00	PCI/G
NW0/2(202)	CS-137DA	0.06	0.02	0.09	0.05	PCI/G
NW1/1(023)	CS-137DA	0.20	0.06	0.25	0.00	PCI/G
NW1/1(052)	CS-137DA	0.14	0.05	0.19	0.00	PCI/G
NW1/1(061)	CS-137DA	0.18	0.05	0.23	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW1/1(138)	CS-137DA	0.28	0.05	0.34	0.00	PCI/G
NW1/1(141)	CS-137DA	0.24	0.08	0.33	0.00	PCI/G
NW1/1(148)	CS-137DA	0.22	0.05	0.26	0.00	PCI/G
SEO/1(001)	CS-137DA	0.43	0.06	0.50	0.00	PCI/G
SEO/1(006)	CS-137DA	0.15	0.04	0.18	0.00	PCI/G
SEO/1(007)	CS-137DA	0.57	0.08	0.65	0.00	PCI/G
SEO/1(009)	CS-137DA	0.19	0.04	0.23	0.00	PCI/G
SEO/1(017)	CS-137DA	0.21	0.04	0.25	0.00	PCI/G
SEO/1(026)	CS-137DA	0.11	0.03	0.14	0.00	PCI/G
SEO/1(027)	CS-137DA	0.07	0.03	0.10	0.00	PCI/G
SEO/1(031)	CS-137DA	0.10	0.03	0.13	0.00	PCI/G
SEO/1(032)	CS-137DA	0.19	0.04	0.23	0.00	PCI/G
SEO/1(040)	CS-137DA	0.09	0.03	0.12	0.00	PCI/G
SEO/1(044)	CS-137DA	0.14	0.05	0.20	0.00	PCI/G
SEO/1(061)	CS-137DA	0.08	0.03	0.11	0.00	PCI/G
SEO/1(065)	CS-137DA	0.09	0.03	0.13	0.00	PCI/G
SEO/1(076)	CS-137DA	0.18	0.03	0.21	0.00	PCI/G
SEO/1(083)	CS-137DA	0.13	0.04	0.17	0.00	PCI/G
SEO/1(087)	CS-137DA	0.30	0.06	0.35	0.00	PCI/G
SEO/1(090)	CS-137DA	0.03	0.01	0.04	0.03	PCI/G
SEO/1(097)	CS-137DA	0.30	0.06	0.36	0.00	PCI/G
SEO/1(106)	CS-137DA	0.08	0.02	0.11	0.00	PCI/G
SEO/1(118)	CS-137DA	0.25	0.08	0.33	0.00	PCI/G
SEO/1(141)	CS-137DA	0.16	0.04	0.19	0.00	PCI/G
SEO/1(148)	CS-137DA	0.11	0.04	0.14	0.00	PCI/G
SEO/1(151)	CS-137DA	0.12	0.07	0.18	0.00	PCI/G
SEO/1(161)	CS-137DA	0.26	0.05	0.31	0.00	PCI/G
SEO/1(161)	CS-137DA	0.30	0.05	0.35	0.00	PCI/G
SEO/1(196)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
SEO/1(231)	CS-137DA	0.05	0.02	0.08	0.00	PCI/G
SEO/2(001)	CS-137DA	0.22	0.05	0.27	0.00	PCI/G
SEO/2(007)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
SEO/2(017)	CS-137DA	0.19	0.05	0.24	0.00	PCI/G
SEO/2(027)	CS-137DA	0.49	0.07	0.56	0.00	PCI/G
SEO/2(031)	CS-137DA	0.07	0.02	0.09	0.00	PCI/G
SEO/2(031)	CS-137DA	0.18	0.04	0.22	0.00	PCI/G
SEO/2(032)	CS-137DA	0.35	0.06	0.41	0.00	PCI/G
SEO/2(040)	CS-137DA	0.17	0.05	0.22	0.00	PCI/G
SEO/2(044)	CS-137DA	0.11	0.04	0.15	0.00	PCI/G
SEO/2(052)	CS-137DA	0.60	0.09	0.69	0.00	PCI/G
SEO/2(061)	CS-137DA	0.31	0.07	0.38	0.00	PCI/G
SEO/2(065)	CS-137DA	0.18	0.04	0.22	0.00	PCI/G
SEO/2(087)	CS-137DA	0.16	0.05	0.20	0.00	PCI/G
SEO/2(090)	CS-137DA	0.48	0.09	0.57	0.00	PCI/G
SEO/2(107)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
SEO/2(118)	CS-137DA	0.12	0.03	0.16	0.00	PCI/G
SEO/2(138)	CS-137DA	0.55	0.08	0.62	0.00	PCI/G
SEO/2(141)	CS-137DA	0.12	0.04	0.15	0.00	PCI/G
SEO/2(148)	CS-137DA	0.05	0.03	0.07	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SE0/2(161)	CS-137DA	0.06	0.04	0.10	0.00	PCI/G
SE0/2(178)	CS-137DA	0.22	0.04	0.26	0.00	PCI/G
SE0/2(196)	CS-137DA	0.11	0.04	0.15	0.00	PCI/G
SE0/3(052)	CS-137DA	0.10	0.05	0.14	0.00	PCI/G
SE1/1(076)	CS-137DA	0.27	0.05	0.32	0.00	PCI/G
SE1/1(083)	CS-137DA	0.05	0.05	0.09	0.00	PCI/G
SW0/1(026)	CS-137DA	0.34	0.06	0.40	0.00	PCI/G
SW0/1(047)	CS-137DA	0.12	0.04	0.16	0.00	PCI/G
SW0/1(047)	CS-137DA	0.14	0.05	0.19	0.00	PCI/G
SW0/1(061)	CS-137DA	0.24	0.06	0.30	0.00	PCI/G
SW0/1(074)	CS-137DA	0.25	0.06	0.31	0.00	PCI/G
SW0/1(097)	CS-137DA	0.22	0.05	0.27	0.00	PCI/G
SW0/1(124)	CS-137DA	0.05	0.02	0.06	0.00	PCI/G
SW0/1(141)	CS-137DA	0.05	0.02	0.06	0.00	PCI/G
SW0/1(148)	CS-137DA	0.07	0.03	0.09	0.00	PCI/G
SW0/1(182)	CS-137DA	0.02	0.02	0.04	0.00	PCI/G
SW0/1(185)	CS-137DA	0.68	0.09	0.77	0.00	PCI/G
SW0/1(196)	CS-137DA	0.19	0.05	0.24	0.00	PCI/G
SW0/1(202)	CS-137DA	0.04	0.02	0.06	0.04	PCI/G
SW0/1(221)	CS-137DA	0.28	0.06	0.34	0.00	PCI/G
SW0/2(006)	CS-137DA	0.20	0.05	0.25	0.00	PCI/G
SW0/2(047)	CS-137DA	0.18	0.05	0.23	0.00	PCI/G
SW0/2(061)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
SW0/2(074)	CS-137DA	0.14	0.05	0.20	0.00	PCI/G
SW0/2(148)	CS-137DA	0.08	0.04	0.12	0.00	PCI/G
SW0/2(148)	CS-137DA	0.08	0.06	0.14	0.00	PCI/G
SW0/2(178)	CS-137DA	0.15	0.05	0.20	0.00	PCI/G
SW0/2(178)	CS-137DA	0.16	0.04	0.20	0.00	PCI/G
SW0/2(182)	CS-137DA	0.11	0.05	0.16	0.00	PCI/G
SW0/2(202)	CS-137DA	0.11	0.04	0.16	0.00	PCI/G
SW0/2(202)	CS-137DA	0.15	0.04	0.19	0.00	PCI/G
CC0/1(017)	EU-152	0.09	0.05	0.13	0.08	PCI/G
CC0/2(083)	EU-152	0.10	0.06	0.15	0.10	PCI/G
NE0/1(090)	EU-154	0.20	0.08	0.28	0.16	PCI/G
SE0/1(076)	EU-154	0.01	0.05	0.05	0.00	PCI/G
NW0/2(124)	K-40	16.10	1.84	17.94	0.00	PCI/G
CC0/1(001)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
CC0/1(003)	RA-224DA	1.31	0.15	1.46	0.00	PCI/G
CC0/1(004)	RA-224DA	0.67	0.08	0.75	0.00	PCI/G
CC0/1(007)	RA-224DA	0.49	0.06	0.56	0.00	PCI/G
CC0/1(009)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
CC0/1(011)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
CC0/1(017)	RA-224DA	1.17	0.13	1.30	0.00	PCI/G
CC0/1(026)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
CC0/1(028)	RA-224DA	1.13	0.15	1.28	0.00	PCI/G
CC0/1(028)	RA-224DA	1.23	0.15	1.38	0.00	PCI/G
CC0/1(031)	RA-224DA	5.15	0.53	5.68	0.00	PCI/G
CC0/1(032)	RA-224DA	1.07	0.13	1.20	0.00	PCI/G
CC0/1(040)	RA-224DA	2.79	0.29	3.08	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(044)	RA-224DA	0.49	0.06	0.55	0.00	PCI/G
CC0/1(047)	RA-224DA	1.05	0.14	1.19	0.00	PCI/G
CC0/1(047)	RA-224DA	1.15	0.14	1.29	0.00	PCI/G
CC0/1(052)	RA-224DA	0.38	0.06	0.43	0.00	PCI/G
CC0/1(053)	RA-224DA	1.05	0.13	1.18	0.00	PCI/G
CC0/1(054)	RA-224DA	1.19	0.14	1.33	0.00	PCI/G
CC0/1(061)	RA-224DA	0.15	0.04	0.19	0.00	PCI/G
CC0/1(065)	RA-224DA	0.46	0.07	0.53	0.00	PCI/G
CC0/1(066)	RA-224DA	1.22	0.15	1.37	0.00	PCI/G
CC0/1(070)	RA-224DA	4.43	0.46	4.89	0.00	PCI/G
CC0/1(071)	RA-224DA	0.85	0.10	0.95	0.00	PCI/G
CC0/1(074)	RA-224DA	0.99	0.12	1.11	0.00	PCI/G
CC0/1(076)	RA-224DA	0.36	0.05	0.41	0.00	PCI/G
CC0/1(078)	RA-224DA	23.60	2.37	25.97	0.00	PCI/G
CC0/1(079)	RA-224DA	0.93	0.11	1.04	0.00	PCI/G
CC0/1(079)	RA-224DA	0.94	0.11	1.05	0.00	PCI/G
CC0/1(083)	RA-224DA	2.91	0.31	3.22	0.00	PCI/G
CC0/1(084)	RA-224DA	0.42	0.07	0.49	0.00	PCI/G
CC0/1(086)	RA-224DA	1.59	0.18	1.77	0.00	PCI/G
CC0/1(086)	RA-224DA	1.62	0.18	1.80	0.00	PCI/G
CC0/1(087)	RA-224DA	0.94	0.11	1.05	0.00	PCI/G
CC0/1(090)	RA-224DA	2.37	0.25	2.62	0.00	PCI/G
CC0/1(090)	RA-224DA	2.54	0.27	2.81	0.00	PCI/G
CC0/1(091)	RA-224DA	0.30	0.04	0.34	0.00	PCI/G
CC0/1(092)	RA-224DA	3.56	0.38	3.94	0.00	PCI/G
CC0/1(093)	RA-224DA	21.60	2.18	23.78	0.00	PCI/G
CC0/1(097)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
CC0/1(100)	RA-224DA	0.32	0.05	0.37	0.00	PCI/G
CC0/1(100)	RA-224DA	0.59	0.07	0.66	0.00	PCI/G
CC0/1(102)	RA-224DA	9.28	0.94	10.22	0.00	PCI/G
CC0/1(106)	RA-224DA	0.96	0.12	1.08	0.00	PCI/G
CC0/1(107)	RA-224DA	0.25	0.06	0.30	0.00	PCI/G
CC0/1(108)	RA-224DA	5.64	0.59	6.23	0.00	PCI/G
CC0/1(111)	RA-224DA	1.97	0.21	2.18	0.00	PCI/G
CC0/1(118)	RA-224DA	21.80	2.20	24.00	0.00	PCI/G
CC0/1(119)	RA-224DA	6.25	0.64	6.89	0.00	PCI/G
CC0/1(120)	RA-224DA	1.83	0.20	2.03	0.00	PCI/G
CC0/1(125)	RA-224DA	0.20	0.04	0.24	0.00	PCI/G
CC0/1(138)	RA-224DA	2.78	0.29	3.07	0.00	PCI/G
CC0/1(141)	RA-224DA	0.23	0.04	0.27	0.00	PCI/G
CC0/1(148)	RA-224DA	1.02	0.12	1.14	0.00	PCI/G
CC0/1(151)	RA-224DA	0.78	0.10	0.88	0.00	PCI/G
CC0/1(151)	RA-224DA	1.41	0.16	1.57	0.00	PCI/G
CC0/1(151)	RA-224DA	1.52	0.17	1.69	0.00	PCI/G
CC0/1(161)	RA-224DA	0.99	0.12	1.11	0.00	PCI/G
CC0/1(170)	RA-224DA	0.53	0.07	0.60	0.00	PCI/G
CC0/1(174)	RA-224DA	0.47	0.06	0.53	0.00	PCI/G
CC0/1(178)	RA-224DA	4.45	0.46	4.91	0.00	PCI/G
CC0/1(182)	RA-224DA	0.21	0.05	0.26	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(185)	RA-224DA	0.16	0.04	0.20	0.00	PCI/G
CC0/1(185)	RA-224DA	0.17	0.04	0.21	0.00	PCI/G
CC0/1(187)	RA-224DA	0.31	0.07	0.38	0.00	PCI/G
CC0/1(196)	RA-224DA	0.37	0.05	0.42	0.00	PCI/G
CC0/1(202)	RA-224DA	0.46	0.06	0.52	0.00	PCI/G
CC0/1(209)	RA-224DA	0.54	0.08	0.61	0.00	PCI/G
CC0/1(221)	RA-224DA	0.11	0.03	0.14	0.00	PCI/G
CC0/1(222)	RA-224DA	0.28	0.04	0.32	0.00	PCI/G
CC0/1(231)	RA-224DA	0.47	0.07	0.54	0.00	PCI/G
CC0/2(001)	RA-224DA	1.40	0.16	1.56	0.00	PCI/G
CC0/2(003)	RA-224DA	1.24	0.14	1.38	0.00	PCI/G
CC0/2(004)	RA-224DA	0.68	0.08	0.76	0.00	PCI/G
CC0/2(007)	RA-224DA	0.88	0.11	0.98	0.00	PCI/G
CC0/2(007)	RA-224DA	0.94	0.11	1.05	0.00	PCI/G
CC0/2(009)	RA-224DA	1.16	0.13	1.29	0.00	PCI/G
CC0/2(011)	RA-224DA	1.32	0.15	1.47	0.00	PCI/G
CC0/2(017)	RA-224DA	1.16	0.13	1.29	0.00	PCI/G
CC0/2(026)	RA-224DA	1.31	0.15	1.46	0.00	PCI/G
CC0/2(028)	RA-224DA	0.96	0.12	1.08	0.00	PCI/G
CC0/2(031)	RA-224DA	5.19	0.54	5.73	0.00	PCI/G
CC0/2(032)	RA-224DA	1.02	0.12	1.14	0.00	PCI/G
CC0/2(040)	RA-224DA	0.80	0.10	0.89	0.00	PCI/G
CC0/2(044)	RA-224DA	1.41	0.16	1.57	0.00	PCI/G
CC0/2(047)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G
CC0/2(052)	RA-224DA	3.51	0.36	3.87	0.00	PCI/G
CC0/2(053)	RA-224DA	0.59	0.08	0.67	0.00	PCI/G
CC0/2(054)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
CC0/2(061)	RA-224DA	8.82	0.90	9.72	0.00	PCI/G
CC0/2(065)	RA-224DA	1.05	0.12	1.17	0.00	PCI/G
CC0/2(066)	RA-224DA	1.15	0.13	1.28	0.00	PCI/G
CC0/2(070)	RA-224DA	1.84	0.20	2.04	0.00	PCI/G
CC0/2(071)	RA-224DA	0.99	0.12	1.11	0.00	PCI/G
CC0/2(071)	RA-224DA	1.02	0.12	1.14	0.00	PCI/G
CC0/2(074)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
CC0/2(076)	RA-224DA	0.99	0.12	1.10	0.00	PCI/G
CC0/2(078)	RA-224DA	1.26	0.15	1.41	0.00	PCI/G
CC0/2(078)	RA-224DA	43.40	4.36	47.76	0.00	PCI/G
CC0/2(079)	RA-224DA	0.76	0.09	0.86	0.00	PCI/G
CC0/2(083)	RA-224DA	1.55	0.18	1.73	0.00	PCI/G
CC0/2(084)	RA-224DA	2.80	0.30	3.10	0.00	PCI/G
CC0/2(086)	RA-224DA	1.57	0.18	1.75	0.00	PCI/G
CC0/2(087)	RA-224DA	0.89	0.11	1.00	0.00	PCI/G
CC0/2(090)	RA-224DA	1.97	0.21	2.18	0.00	PCI/G
CC0/2(091)	RA-224DA	6.27	0.65	6.92	0.00	PCI/G
CC0/2(092)	RA-224DA	2.89	0.31	3.20	0.00	PCI/G
CC0/2(097)	RA-224DA	0.99	0.12	1.11	0.00	PCI/G
CC0/2(100)	RA-224DA	14.60	1.47	16.07	0.00	PCI/G
CC0/2(102)	RA-224DA	19.70	1.98	21.68	0.00	PCI/G
CC0/2(106)	RA-224DA	0.59	0.08	0.67	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/2(107)	RA-224DA	5.52	0.57	6.09	0.00	PCI/G
CC0/2(108)	RA-224DA	1.63	0.18	1.81	0.00	PCI/G
CC0/2(111)	RA-224DA	0.77	0.10	0.87	0.00	PCI/G
CC0/2(118)	RA-224DA	5.96	0.62	6.58	0.00	PCI/G
CC0/2(119)	RA-224DA	5.45	0.56	6.01	0.00	PCI/G
CC0/2(120)	RA-224DA	29.50	2.96	32.46	0.00	PCI/G
CC0/2(124)	RA-224DA	1.24	0.15	1.39	0.00	PCI/G
CC0/2(124)	RA-224DA	1.34	0.16	1.50	0.00	PCI/G
CC0/2(125)	RA-224DA	1.03	0.13	1.16	0.00	PCI/G
CC0/2(138)	RA-224DA	1.64	0.18	1.82	0.00	PCI/G
CC0/2(141)	RA-224DA	0.51	0.07	0.58	0.00	PCI/G
CC0/2(148)	RA-224DA	1.05	0.13	1.18	0.00	PCI/G
CC0/2(151)	RA-224DA	1.57	0.18	1.75	0.00	PCI/G
CC0/2(161)	RA-224DA	2.05	0.22	2.27	0.00	PCI/G
CC0/2(163)	RA-224DA	1.81	0.20	2.01	0.00	PCI/G
CC0/2(170)	RA-224DA	1.41	0.16	1.57	0.00	PCI/G
CC0/2(182)	RA-224DA	0.26	0.04	0.30	0.00	PCI/G
CC0/2(187)	RA-224DA	1.45	0.16	1.61	0.00	PCI/G
CC0/2(202)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
CC0/2(209)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G
CC0/2(221)	RA-224DA	2.25	0.24	2.49	0.00	PCI/G
CC0/2(222)	RA-224DA	0.72	0.09	0.80	0.00	PCI/G
CC0/2(231)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
CC0/3(076)	RA-224DA	0.95	0.11	1.06	0.00	PCI/G
CC1/1(070)	RA-224DA	2.51	0.27	2.78	0.00	PCI/G
CC1/1(221)	RA-224DA	0.07	0.02	0.09	0.04	PCI/G
CC1/2(202)	RA-224DA	1.21	0.14	1.35	0.00	PCI/G
NE0/1(001)	RA-224DA	1.21	0.15	1.36	0.00	PCI/G
NE0/1(003)	RA-224DA	1.47	0.16	1.63	0.00	PCI/G
NE0/1(004)	RA-224DA	1.17	0.14	1.31	0.00	PCI/G
NE0/1(007)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NE0/1(009)	RA-224DA	1.17	0.13	1.30	0.00	PCI/G
NE0/1(011)	RA-224DA	0.65	0.08	0.74	0.00	PCI/G
NE0/1(015)	RA-224DA	0.63	0.08	0.70	0.00	PCI/G
NE0/1(017)	RA-224DA	1.32	0.15	1.47	0.00	PCI/G
NE0/1(023)	RA-224DA	0.12	0.03	0.16	0.00	PCI/G
NE0/1(026)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NE0/1(027)	RA-224DA	1.17	0.15	1.32	0.00	PCI/G
NE0/1(028)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
NE0/1(032)	RA-224DA	1.01	0.13	1.14	0.00	PCI/G
NE0/1(040)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NE0/1(044)	RA-224DA	1.47	0.17	1.64	0.00	PCI/G
NE0/1(047)	RA-224DA	1.06	0.13	1.19	0.00	PCI/G
NE0/1(052)	RA-224DA	0.93	0.11	1.04	0.00	PCI/G
NE0/1(053)	RA-224DA	1.16	0.14	1.30	0.00	PCI/G
NE0/1(054)	RA-224DA	1.08	0.13	1.21	0.00	PCI/G
NE0/1(061)	RA-224DA	1.10	0.13	1.23	0.00	PCI/G
NE0/1(061)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
NE0/1(065)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NEO/1(066)	RA-224DA	1.23	0.14	1.37	0.00	PCI/G
NEO/1(070)	RA-224DA	0.70	0.09	0.79	0.00	PCI/G
NEO/1(071)	RA-224DA	1.88	0.20	2.08	0.00	PCI/G
NEO/1(074)	RA-224DA	0.90	0.11	1.01	0.00	PCI/G
NEO/1(076)	RA-224DA	2.17	0.23	2.40	0.00	PCI/G
NEO/1(078)	RA-224DA	0.68	0.08	0.77	0.00	PCI/G
NEO/1(079)	RA-224DA	1.24	0.14	1.38	0.00	PCI/G
NEO/1(087)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
NEO/1(090)	RA-224DA	3.56	0.37	3.93	0.00	PCI/G
NEO/1(090)	RA-224DA	3.59	0.38	3.97	0.00	PCI/G
NEO/1(097)	RA-224DA	0.92	0.12	1.04	0.00	PCI/G
NEO/1(102)	RA-224DA	12.70	1.28	13.98	0.00	PCI/G
NEO/1(106)	RA-224DA	0.29	0.05	0.34	0.00	PCI/G
NEO/1(107)	RA-224DA	2.52	0.27	2.79	0.00	PCI/G
NEO/1(111)	RA-224DA	1.37	0.17	1.54	0.00	PCI/G
NEO/1(111)	RA-224DA	1.48	0.17	1.65	0.00	PCI/G
NEO/1(118)	RA-224DA	12.30	1.24	13.54	0.00	PCI/G
NEO/1(119)	RA-224DA	3.47	0.36	3.83	0.00	PCI/G
NEO/1(120)	RA-224DA	0.46	0.06	0.52	0.00	PCI/G
NEO/1(124)	RA-224DA	0.41	0.06	0.47	0.00	PCI/G
NEO/1(124)	RA-224DA	0.44	0.06	0.50	0.00	PCI/G
NEO/1(125)	RA-224DA	0.26	0.04	0.30	0.00	PCI/G
NEO/1(138)	RA-224DA	0.36	0.05	0.41	0.00	PCI/G
NEO/1(141)	RA-224DA	0.55	0.08	0.62	0.00	PCI/G
NEO/1(151)	RA-224DA	0.99	0.11	1.11	0.00	PCI/G
NEO/1(161)	RA-224DA	0.46	0.06	0.52	0.00	PCI/G
NEO/1(163)	RA-224DA	30.60	3.08	33.68	0.00	PCI/G
NEO/1(163)	RA-224DA	30.80	3.09	33.89	0.00	PCI/G
NEO/1(174)	RA-224DA	0.32	0.06	0.37	0.00	PCI/G
NEO/1(178)	RA-224DA	1.06	0.12	1.18	0.00	PCI/G
NEO/1(182)	RA-224DA	0.85	0.11	0.97	0.00	PCI/G
NEO/1(185)	RA-224DA	0.18	0.03	0.21	0.00	PCI/G
NEO/1(187)	RA-224DA	2.04	0.22	2.26	0.00	PCI/G
NEO/1(196)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
NEO/1(202)	RA-224DA	0.48	0.07	0.55	0.00	PCI/G
NEO/1(209)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
NEO/1(209)	RA-224DA	1.22	0.15	1.37	0.00	PCI/G
NEO/1(221)	RA-224DA	0.18	0.03	0.21	0.00	PCI/G
NEO/1(222)	RA-224DA	0.12	0.03	0.15	0.00	PCI/G
NEO/1(222)	RA-224DA	0.13	0.03	0.16	0.00	PCI/G
NEO/1(231)	RA-224DA	0.37	0.06	0.43	0.00	PCI/G
NEO/2(001)	RA-224DA	0.79	0.10	0.89	0.00	PCI/G
NEO/2(003)	RA-224DA	1.13	0.14	1.27	0.00	PCI/G
NEO/2(003)	RA-224DA	1.19	0.14	1.33	0.00	PCI/G
NEO/2(011)	RA-224DA	1.16	0.14	1.30	0.00	PCI/G
NEO/2(015)	RA-224DA	0.92	0.11	1.03	0.00	PCI/G
NEO/2(017)	RA-224DA	1.29	0.15	1.44	0.00	PCI/G
NEO/2(023)	RA-224DA	2.05	0.23	2.28	0.00	PCI/G
NEO/2(026)	RA-224DA	1.35	0.16	1.51	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NE0/2(026)	RA-224DA	1.44	0.17	1.61	0.00	PCI/G
NE0/2(027)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
NE0/2(028)	RA-224DA	1.23	0.15	1.38	0.00	PCI/G
NE0/2(032)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G
NE0/2(040)	RA-224DA	0.62	0.08	0.70	0.00	PCI/G
NE0/2(047)	RA-224DA	1.10	0.13	1.23	0.00	PCI/G
NE0/2(052)	RA-224DA	0.58	0.08	0.66	0.00	PCI/G
NE0/2(052)	RA-224DA	0.67	0.09	0.75	0.00	PCI/G
NE0/2(053)	RA-224DA	1.06	0.13	1.19	0.00	PCI/G
NE0/2(054)	RA-224DA	1.09	0.13	1.22	0.00	PCI/G
NE0/2(054)	RA-224DA	1.14	0.13	1.27	0.00	PCI/G
NE0/2(061)	RA-224DA	1.03	0.12	1.15	0.00	PCI/G
NE0/2(065)	RA-224DA	1.26	0.14	1.40	0.00	PCI/G
NE0/2(066)	RA-224DA	0.83	0.10	0.94	0.00	PCI/G
NE0/2(070)	RA-224DA	0.81	0.10	0.92	0.00	PCI/G
NE0/2(071)	RA-224DA	1.21	0.14	1.35	0.00	PCI/G
NE0/2(074)	RA-224DA	0.74	0.09	0.83	0.00	PCI/G
NE0/2(076)	RA-224DA	2.14	0.23	2.37	0.00	PCI/G
NE0/2(078)	RA-224DA	0.77	0.09	0.86	0.00	PCI/G
NE0/2(079)	RA-224DA	1.01	0.12	1.13	0.00	PCI/G
NE0/2(087)	RA-224DA	0.82	0.11	0.92	0.00	PCI/G
NE0/2(090)	RA-224DA	2.39	0.26	2.65	0.00	PCI/G
NE0/2(097)	RA-224DA	1.31	0.16	1.47	0.00	PCI/G
NE0/2(102)	RA-224DA	118.00	11.80	129.80	0.00	PCI/G
NE0/2(106)	RA-224DA	0.34	0.05	0.39	0.00	PCI/G
NE0/2(107)	RA-224DA	1.98	0.22	2.20	0.00	PCI/G
NE0/2(111)	RA-224DA	0.75	0.10	0.86	0.00	PCI/G
NE0/2(118)	RA-224DA	5.39	0.56	5.95	0.00	PCI/G
NE0/2(119)	RA-224DA	1.43	0.16	1.59	0.00	PCI/G
NE0/2(120)	RA-224DA	1.08	0.13	1.21	0.00	PCI/G
NE0/2(124)	RA-224DA	1.08	0.13	1.21	0.00	PCI/G
NE0/2(125)	RA-224DA	1.17	0.14	1.31	0.00	PCI/G
NE0/2(141)	RA-224DA	1.11	0.14	1.25	0.00	PCI/G
NE0/2(148)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
NE0/2(148)	RA-224DA	1.32	0.15	1.47	0.00	PCI/G
NE0/2(163)	RA-224DA	11.70	1.18	12.88	0.00	PCI/G
NE0/2(174)	RA-224DA	0.63	0.09	0.72	0.00	PCI/G
NE0/2(178)	RA-224DA	7.69	0.78	8.47	0.00	PCI/G
NE0/2(182)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
NE0/2(202)	RA-224DA	8.69	0.88	9.57	0.00	PCI/G
NE0/2(221)	RA-224DA	0.39	0.06	0.45	0.00	PCI/G
NE1/1(023)	RA-224DA	0.16	0.04	0.20	0.00	PCI/G
NE1/1(074)	RA-224DA	0.95	0.11	1.06	0.00	PCI/G
NE1/1(178)	RA-224DA	1.29	0.15	1.44	0.00	PCI/G
NE1/2(023)	RA-224DA	2.31	0.26	2.57	0.00	PCI/G
NW0/1(001)	RA-224DA	0.41	0.06	0.46	0.00	PCI/G
NW0/1(017)	RA-224DA	1.31	0.15	1.46	0.00	PCI/G
NW0/1(023)	RA-224DA	1.40	0.16	1.56	0.00	PCI/G
NW0/1(023)	RA-224DA	1.42	0.17	1.59	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/1(026)	RA-224DA	0.94	0.11	1.05	0.00	PCI/G
NW0/1(028)	RA-224DA	1.26	0.15	1.41	0.00	PCI/G
NW0/1(040)	RA-224DA	1.16	0.14	1.30	0.00	PCI/G
NW0/1(047)	RA-224DA	1.31	0.16	1.47	0.00	PCI/G
NW0/1(052)	RA-224DA	0.41	0.06	0.47	0.00	PCI/G
NW0/1(053)	RA-224DA	1.15	0.14	1.29	0.00	PCI/G
NW0/1(054)	RA-224DA	1.04	0.13	1.17	0.00	PCI/G
NW0/1(061)	RA-224DA	1.18	0.14	1.32	0.00	PCI/G
NW0/1(074)	RA-224DA	1.33	0.15	1.48	0.00	PCI/G
NW0/1(078)	RA-224DA	0.89	0.11	0.99	0.00	PCI/G
NW0/1(079)	RA-224DA	2.56	0.27	2.83	0.00	PCI/G
NW0/1(084)	RA-224DA	8.31	0.85	9.16	0.00	PCI/G
NW0/1(087)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
NW0/1(091)	RA-224DA	0.30	0.05	0.35	0.00	PCI/G
NW0/1(092)	RA-224DA	8.11	0.83	8.94	0.00	PCI/G
NW0/1(097)	RA-224DA	1.01	0.12	1.13	0.00	PCI/G
NW0/1(100)	RA-224DA	4.88	0.50	5.38	0.00	PCI/G
NW0/1(102)	RA-224DA	19.60	1.97	21.57	0.00	PCI/G
NW0/1(107)	RA-224DA	1.50	0.17	1.67	0.00	PCI/G
NW0/1(108)	RA-224DA	0.36	0.06	0.41	0.00	PCI/G
NW0/1(108)	RA-224DA	0.68	0.08	0.77	0.00	PCI/G
NW0/1(118)	RA-224DA	0.72	0.09	0.81	0.00	PCI/G
NW0/1(124)	RA-224DA	0.37	0.05	0.43	0.00	PCI/G
NW0/1(125)	RA-224DA	0.51	0.07	0.58	0.00	PCI/G
NW0/1(138)	RA-224DA	0.30	0.05	0.35	0.00	PCI/G
NW0/1(141)	RA-224DA	19.90	2.01	21.91	0.00	PCI/G
NW0/1(141)	RA-224DA	22.30	2.24	24.54	0.00	PCI/G
NW0/1(148)	RA-224DA	1.19	0.14	1.33	0.00	PCI/G
NW0/1(148)	RA-224DA	1.23	0.14	1.37	0.00	PCI/G
NW0/1(151)	RA-224DA	1.33	0.15	1.48	0.00	PCI/G
NW0/1(161)	RA-224DA	0.41	0.06	0.47	0.00	PCI/G
NW0/1(170)	RA-224DA	0.45	0.07	0.52	0.00	PCI/G
NW0/1(174)	RA-224DA	0.46	0.06	0.52	0.00	PCI/G
NW0/1(178)	RA-224DA	2.75	0.29	3.04	0.00	PCI/G
NW0/1(182)	RA-224DA	0.39	0.06	0.45	0.00	PCI/G
NW0/1(187)	RA-224DA	1.29	0.15	1.44	0.00	PCI/G
NW0/1(196)	RA-224DA	1.32	0.15	1.47	0.00	PCI/G
NW0/1(202)	RA-224DA	0.59	0.08	0.67	0.00	PCI/G
NW0/1(209)	RA-224DA	0.51	0.06	0.57	0.00	PCI/G
NW0/1(221)	RA-224DA	4.82	0.50	5.32	0.00	PCI/G
NW0/1(222)	RA-224DA	0.11	0.03	0.14	0.00	PCI/G
NW0/1(231)	RA-224DA	0.55	0.07	0.62	0.00	PCI/G
NW0/2(001)	RA-224DA	1.68	0.18	1.86	0.00	PCI/G
NW0/2(001)	RA-224DA	1.69	0.18	1.87	0.00	PCI/G
NW0/2(023)	RA-224DA	1.38	0.16	1.54	0.00	PCI/G
NW0/2(028)	RA-224DA	1.14	0.14	1.28	0.00	PCI/G
NW0/2(040)	RA-224DA	1.12	0.13	1.25	0.00	PCI/G
NW0/2(047)	RA-224DA	1.18	0.14	1.32	0.00	PCI/G
NW0/2(052)	RA-224DA	3.44	0.36	3.80	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/2(054)	RA-224DA	1.10	0.14	1.24	0.00	PCI/G
NW0/2(061)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NW0/2(074)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NW0/2(078)	RA-224DA	0.92	0.11	1.03	0.00	PCI/G
NW0/2(079)	RA-224DA	1.45	0.17	1.62	0.00	PCI/G
NW0/2(084)	RA-224DA	4.71	0.49	5.20	0.00	PCI/G
NW0/2(087)	RA-224DA	1.12	0.13	1.25	0.00	PCI/G
NW0/2(087)	RA-224DA	1.12	0.14	1.26	0.00	PCI/G
NW0/2(091)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
NW0/2(097)	RA-224DA	0.71	0.11	0.82	0.00	PCI/G
NW0/2(100)	RA-224DA	4.18	0.44	4.62	0.00	PCI/G
NW0/2(102)	RA-224DA	36.40	3.66	40.06	0.00	PCI/G
NW0/2(107)	RA-224DA	0.20	0.03	0.23	0.00	PCI/G
NW0/2(107)	RA-224DA	0.21	0.04	0.25	0.00	PCI/G
NW0/2(108)	RA-224DA	3.27	0.35	3.62	0.00	PCI/G
NW0/2(118)	RA-224DA	6.29	0.64	6.93	0.00	PCI/G
NW0/2(124)	RA-224DA	0.97	0.12	1.09	0.00	PCI/G
NW0/2(125)	RA-224DA	1.21	0.14	1.35	0.00	PCI/G
NW0/2(125)	RA-224DA	1.24	0.14	1.38	0.00	PCI/G
NW0/2(138)	RA-224DA	5.10	0.53	5.63	0.00	PCI/G
NW0/2(141)	RA-224DA	4.24	0.44	4.68	0.00	PCI/G
NW0/2(148)	RA-224DA	1.27	0.15	1.42	0.00	PCI/G
NW0/2(151)	RA-224DA	1.37	0.15	1.52	0.00	PCI/G
NW0/2(161)	RA-224DA	1.80	0.20	2.00	0.00	PCI/G
NW0/2(170)	RA-224DA	1.21	0.14	1.35	0.00	PCI/G
NW0/2(178)	RA-224DA	1.29	0.15	1.44	0.00	PCI/G
NW0/2(182)	RA-224DA	1.14	0.13	1.27	0.00	PCI/G
NW0/2(187)	RA-224DA	1.23	0.14	1.37	0.00	PCI/G
NW0/2(202)	RA-224DA	1.12	0.13	1.25	0.00	PCI/G
NW0/3(061)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
NW1/1(023)	RA-224DA	1.34	0.16	1.50	0.00	PCI/G
NW1/1(052)	RA-224DA	2.90	0.31	3.21	0.00	PCI/G
NW1/1(061)	RA-224DA	1.29	0.15	1.44	0.00	PCI/G
NW1/1(118)	RA-224DA	1.12	0.13	1.25	0.00	PCI/G
NW1/1(138)	RA-224DA	2.23	0.24	2.47	0.00	PCI/G
NW1/1(141)	RA-224DA	17.30	1.74	19.04	0.00	PCI/G
NW1/1(148)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
NW1/1(221)	RA-224DA	2.78	0.29	3.07	0.00	PCI/G
SE0/1(001)	RA-224DA	1.36	0.15	1.51	0.00	PCI/G
SE0/1(006)	RA-224DA	1.18	0.14	1.32	0.00	PCI/G
SE0/1(007)	RA-224DA	1.25	0.14	1.39	0.00	PCI/G
SE0/1(009)	RA-224DA	1.25	0.14	1.39	0.00	PCI/G
SE0/1(017)	RA-224DA	1.13	0.13	1.26	0.00	PCI/G
SE0/1(026)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
SE0/1(027)	RA-224DA	0.40	0.06	0.46	0.00	PCI/G
SE0/1(031)	RA-224DA	0.27	0.06	0.32	0.00	PCI/G
SE0/1(032)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
SE0/1(040)	RA-224DA	0.88	0.10	0.98	0.00	PCI/G
SE0/1(044)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G

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Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SE0/1(047)	RA-224DA	1.05	0.13	1.18	0.00	PCI/G
SE0/1(052)	RA-224DA	0.26	0.05	0.31	0.00	PCI/G
SE0/1(061)	RA-224DA	0.77	0.09	0.86	0.00	PCI/G
SE0/1(065)	RA-224DA	0.35	0.05	0.41	0.00	PCI/G
SE0/1(076)	RA-224DA	0.74	0.10	0.84	0.00	PCI/G
SE0/1(083)	RA-224DA	0.71	0.09	0.80	0.00	PCI/G
SE0/1(085)	RA-224DA	21.60	2.17	23.77	0.00	PCI/G
SE0/1(087)	RA-224DA	6.93	0.71	7.64	0.00	PCI/G
SE0/1(090)	RA-224DA	0.23	0.04	0.27	0.00	PCI/G
SE0/1(097)	RA-224DA	1.10	0.13	1.23	0.00	PCI/G
SE0/1(106)	RA-224DA	0.29	0.04	0.33	0.00	PCI/G
SE0/1(107)	RA-224DA	0.20	0.04	0.24	0.00	PCI/G
SE0/1(111)	RA-224DA	22.50	2.27	24.77	0.00	PCI/G
SE0/1(118)	RA-224DA	7.23	0.75	7.98	0.00	PCI/G
SE0/1(124)	RA-224DA	0.21	0.04	0.24	0.00	PCI/G
SE0/1(138)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G
SE0/1(141)	RA-224DA	2.09	0.23	2.32	0.00	PCI/G
SE0/1(148)	RA-224DA	0.68	0.09	0.77	0.00	PCI/G
SE0/1(151)	RA-224DA	2.74	0.30	3.04	0.00	PCI/G
SE0/1(161)	RA-224DA	1.10	0.13	1.23	0.00	PCI/G
SE0/1(161)	RA-224DA	1.16	0.13	1.29	0.00	PCI/G
SE0/1(174)	RA-224DA	0.24	0.04	0.28	0.00	PCI/G
SE0/1(178)	RA-224DA	0.29	0.05	0.34	0.00	PCI/G
SE0/1(182)	RA-224DA	0.27	0.04	0.31	0.00	PCI/G
SE0/1(187)	RA-224DA	0.16	0.04	0.19	0.00	PCI/G
SE0/1(196)	RA-224DA	1.06	0.12	1.18	0.00	PCI/G
SE0/1(202)	RA-224DA	0.45	0.06	0.51	0.00	PCI/G
SE0/1(209)	RA-224DA	0.07	0.02	0.09	0.04	PCI/G
SE0/1(209)	RA-224DA	0.07	0.03	0.11	0.00	PCI/G
SE0/1(221)	RA-224DA	0.09	0.03	0.12	0.00	PCI/G
SE0/1(231)	RA-224DA	0.95	0.11	1.06	0.00	PCI/G
SE0/2(001)	RA-224DA	1.28	0.14	1.42	0.00	PCI/G
SE0/2(007)	RA-224DA	1.27	0.14	1.41	0.00	PCI/G
SE0/2(017)	RA-224DA	1.17	0.14	1.31	0.00	PCI/G
SE0/2(027)	RA-224DA	2.14	0.23	2.37	0.00	PCI/G
SE0/2(031)	RA-224DA	0.27	0.05	0.33	0.00	PCI/G
SE0/2(031)	RA-224DA	1.26	0.15	1.41	0.00	PCI/G
SE0/2(032)	RA-224DA	1.95	0.21	2.16	0.00	PCI/G
SE0/2(040)	RA-224DA	1.99	0.22	2.21	0.00	PCI/G
SE0/2(044)	RA-224DA	1.41	0.17	1.58	0.00	PCI/G
SE0/2(047)	RA-224DA	1.36	0.16	1.52	0.00	PCI/G
SE0/2(052)	RA-224DA	7.51	0.77	8.28	0.00	PCI/G
SE0/2(061)	RA-224DA	13.20	1.33	14.53	0.00	PCI/G
SE0/2(065)	RA-224DA	0.96	0.12	1.07	0.00	PCI/G
SE0/2(076)	RA-224DA	1.16	0.13	1.29	0.00	PCI/G
SE0/2(085)	RA-224DA	4.98	0.52	5.50	0.00	PCI/G
SE0/2(087)	RA-224DA	4.53	0.47	5.00	0.00	PCI/G
SE0/2(090)	RA-224DA	5.23	0.54	5.77	0.00	PCI/G
SE0/2(097)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SE0/2(106)	RA-224DA	0.58	0.08	0.66	0.00	PCI/G
SE0/2(107)	RA-224DA	1.69	0.18	1.87	0.00	PCI/G
SE0/2(111)	RA-224DA	6.58	0.67	7.25	0.00	PCI/G
SE0/2(118)	RA-224DA	1.67	0.19	1.86	0.00	PCI/G
SE0/2(124)	RA-224DA	0.90	0.10	1.00	0.00	PCI/G
SE0/2(138)	RA-224DA	2.13	0.23	2.36	0.00	PCI/G
SE0/2(141)	RA-224DA	1.59	0.18	1.77	0.00	PCI/G
SE0/2(148)	RA-224DA	0.27	0.05	0.32	0.00	PCI/G
SE0/2(151)	RA-224DA	1.23	0.15	1.38	0.00	PCI/G
SE0/2(161)	RA-224DA	1.25	0.14	1.39	0.00	PCI/G
SE0/2(178)	RA-224DA	1.03	0.12	1.15	0.00	PCI/G
SE0/2(182)	RA-224DA	0.37	0.05	0.42	0.00	PCI/G
SE0/2(196)	RA-224DA	1.66	0.18	1.84	0.00	PCI/G
SE0/2(202)	RA-224DA	1.14	0.13	1.27	0.00	PCI/G
SE0/3(052)	RA-224DA	2.02	0.22	2.24	0.00	PCI/G
SE0/3(065)	RA-224DA	0.82	0.10	0.92	0.00	PCI/G
SE0/3(076)	RA-224DA	0.74	0.09	0.83	0.00	PCI/G
SE1/1(076)	RA-224DA	1.16	0.14	1.30	0.00	PCI/G
SE1/1(083)	RA-224DA	1.05	0.12	1.17	0.00	PCI/G
SW0/1(006)	RA-224DA	0.77	0.09	0.86	0.00	PCI/G
SW0/1(026)	RA-224DA	1.43	0.16	1.59	0.00	PCI/G
SW0/1(047)	RA-224DA	1.09	0.14	1.23	0.00	PCI/G
SW0/1(047)	RA-224DA	1.18	0.15	1.33	0.00	PCI/G
SW0/1(061)	RA-224DA	1.62	0.18	1.80	0.00	PCI/G
SW0/1(074)	RA-224DA	1.21	0.14	1.35	0.00	PCI/G
SW0/1(097)	RA-224DA	0.91	0.11	1.02	0.00	PCI/G
SW0/1(111)	RA-224DA	0.85	0.11	0.95	0.00	PCI/G
SW0/1(124)	RA-224DA	0.73	0.09	0.82	0.00	PCI/G
SW0/1(141)	RA-224DA	0.44	0.06	0.50	0.00	PCI/G
SW0/1(148)	RA-224DA	0.36	0.05	0.41	0.00	PCI/G
SW0/1(170)	RA-224DA	0.24	0.04	0.28	0.00	PCI/G
SW0/1(178)	RA-224DA	0.21	0.04	0.24	0.00	PCI/G
SW0/1(182)	RA-224DA	0.43	0.06	0.49	0.00	PCI/G
SW0/1(185)	RA-224DA	0.30	0.05	0.35	0.00	PCI/G
SW0/1(185)	RA-224DA	5.32	0.55	5.87	0.00	PCI/G
SW0/1(196)	RA-224DA	1.54	0.17	1.71	0.00	PCI/G
SW0/1(202)	RA-224DA	0.50	0.07	0.57	0.00	PCI/G
SW0/1(209)	RA-224DA	0.13	0.03	0.15	0.00	PCI/G
SW0/1(221)	RA-224DA	4.81	0.50	5.31	0.00	PCI/G
SW0/1(231)	RA-224DA	0.35	0.05	0.40	0.00	PCI/G
SW0/2(006)	RA-224DA	1.26	0.14	1.40	0.00	PCI/G
SW0/2(047)	RA-224DA	1.11	0.14	1.25	0.00	PCI/G
SW0/2(061)	RA-224DA	0.92	0.12	1.03	0.00	PCI/G
SW0/2(074)	RA-224DA	1.15	0.13	1.28	0.00	PCI/G
SW0/2(097)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
SW0/2(111)	RA-224DA	68.10	6.81	74.91	0.00	PCI/G
SW0/2(124)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
SW0/2(148)	RA-224DA	0.98	0.12	1.10	0.00	PCI/G
SW0/2(148)	RA-224DA	1.05	0.13	1.18	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SW0/2(170)	RA-224DA	1.08	0.13	1.21	0.00	PCI/G
SW0/2(178)	RA-224DA	1.58	0.18	1.76	0.00	PCI/G
SW0/2(178)	RA-224DA	1.60	0.18	1.78	0.00	PCI/G
SW0/2(182)	RA-224DA	1.25	0.14	1.39	0.00	PCI/G
SW0/2(196)	RA-224DA	1.28	0.15	1.43	0.00	PCI/G
SW0/2(202)	RA-224DA	1.10	0.13	1.23	0.00	PCI/G
SW0/2(202)	RA-224DA	1.20	0.14	1.34	0.00	PCI/G
SW0/2(221)	RA-224DA	1.49	0.17	1.66	0.00	PCI/G
CC0/1(001)	RA-226DA	0.82	0.14	0.95	0.00	PCI/G
CC0/1(003)	RA-226DA	0.92	0.13	1.05	0.00	PCI/G
CC0/1(004)	RA-226DA	0.36	0.06	0.42	0.09	PCI/G
CC0/1(007)	RA-226DA	0.35	0.06	0.41	0.00	PCI/G
CC0/1(009)	RA-226DA	0.85	0.12	0.97	0.00	PCI/G
CC0/1(011)	RA-226DA	1.08	0.15	1.23	0.00	PCI/G
CC0/1(017)	RA-226DA	0.78	0.11	0.89	0.00	PCI/G
CC0/1(026)	RA-226DA	0.97	0.13	1.10	0.00	PCI/G
CC0/1(028)	RA-226DA	0.65	0.12	0.77	0.00	PCI/G
CC0/1(028)	RA-226DA	0.68	0.11	0.79	0.00	PCI/G
CC0/1(031)	RA-226DA	0.60	0.11	0.72	0.00	PCI/G
CC0/1(032)	RA-226DA	0.54	0.11	0.65	0.00	PCI/G
CC0/1(040)	RA-226DA	0.42	0.08	0.49	0.00	PCI/G
CC0/1(044)	RA-226DA	0.42	0.07	0.49	0.00	PCI/G
CC0/1(047)	RA-226DA	0.85	0.13	0.98	0.00	PCI/G
CC0/1(047)	RA-226DA	0.85	0.15	1.00	0.00	PCI/G
CC0/1(052)	RA-226DA	0.31	0.06	0.37	0.00	PCI/G
CC0/1(053)	RA-226DA	0.72	0.12	0.84	0.00	PCI/G
CC0/1(054)	RA-226DA	0.92	0.14	1.05	0.00	PCI/G
CC0/1(061)	RA-226DA	0.32	0.06	0.37	0.00	PCI/G
CC0/1(065)	RA-226DA	0.36	0.07	0.44	0.00	PCI/G
CC0/1(066)	RA-226DA	0.93	0.14	1.07	0.00	PCI/G
CC0/1(070)	RA-226DA	0.53	0.12	0.65	0.00	PCI/G
CC0/1(071)	RA-226DA	0.41	0.07	0.49	0.00	PCI/G
CC0/1(074)	RA-226DA	1.09	0.14	1.23	0.00	PCI/G
CC0/1(076)	RA-226DA	0.34	0.08	0.42	0.00	PCI/G
CC0/1(078)	RA-226DA	0.80	0.14	0.94	0.00	PCI/G
CC0/1(079)	RA-226DA	0.47	0.09	0.56	0.00	PCI/G
CC0/1(079)	RA-226DA	0.59	0.10	0.69	0.00	PCI/G
CC0/1(083)	RA-226DA	0.88	0.13	1.01	0.00	PCI/G
CC0/1(084)	RA-226DA	0.30	0.08	0.37	0.00	PCI/G
CC0/1(086)	RA-226DA	1.18	0.17	1.35	0.00	PCI/G
CC0/1(086)	RA-226DA	1.20	0.16	1.36	0.00	PCI/G
CC0/1(087)	RA-226DA	0.83	0.12	0.95	0.00	PCI/G
CC0/1(090)	RA-226DA	0.49	0.09	0.58	0.00	PCI/G
CC0/1(090)	RA-226DA	0.51	0.10	0.61	0.00	PCI/G
CC0/1(091)	RA-226DA	0.27	0.06	0.33	0.00	PCI/G
CC0/1(092)	RA-226DA	0.25	0.11	0.37	0.00	PCI/G
CC0/1(093)	RA-226DA	0.88	0.20	1.08	0.00	PCI/G
CC0/1(097)	RA-226DA	1.12	0.16	1.28	0.00	PCI/G
CC0/1(100)	RA-226DA	0.21	0.05	0.25	0.09	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(100)	RA-226DA	0.29	0.06	0.35	0.00	PCI/G
CC0/1(102)	RA-226DA	0.59	0.14	0.73	0.00	PCI/G
CC0/1(106)	RA-226DA	0.96	0.14	1.10	0.00	PCI/G
CC0/1(107)	RA-226DA	0.36	0.07	0.43	0.00	PCI/G
CC0/1(108)	RA-226DA	1.10	0.18	1.28	0.00	PCI/G
CC0/1(111)	RA-226DA	0.52	0.09	0.61	0.00	PCI/G
CC0/1(118)	RA-226DA	0.98	0.20	1.18	0.00	PCI/G
CC0/1(119)	RA-226DA	1.07	0.18	1.25	0.00	PCI/G
CC0/1(120)	RA-226DA	1.16	0.15	1.31	0.00	PCI/G
CC0/1(125)	RA-226DA	0.29	0.06	0.35	0.00	PCI/G
CC0/1(138)	RA-226DA	0.41	0.09	0.50	0.00	PCI/G
CC0/1(141)	RA-226DA	0.26	0.06	0.32	0.00	PCI/G
CC0/1(148)	RA-226DA	0.94	0.14	1.08	0.00	PCI/G
CC0/1(151)	RA-226DA	0.32	0.09	0.41	0.00	PCI/G
CC0/1(151)	RA-226DA	0.34	0.07	0.41	0.00	PCI/G
CC0/1(151)	RA-226DA	0.34	0.07	0.42	0.00	PCI/G
CC0/1(161)	RA-226DA	0.39	0.08	0.47	0.00	PCI/G
CC0/1(170)	RA-226DA	0.55	0.09	0.63	0.00	PCI/G
CC0/1(174)	RA-226DA	0.32	0.07	0.39	0.00	PCI/G
CC0/1(178)	RA-226DA	0.70	0.13	0.84	0.00	PCI/G
CC0/1(182)	RA-226DA	0.29	0.05	0.34	0.09	PCI/G
CC0/1(185)	RA-226DA	0.26	0.05	0.31	0.00	PCI/G
CC0/1(185)	RA-226DA	0.25	0.06	0.32	0.00	PCI/G
CC0/1(187)	RA-226DA	0.35	0.07	0.42	0.00	PCI/G
CC0/1(196)	RA-226DA	0.33	0.07	0.40	0.00	PCI/G
CC0/1(202)	RA-226DA	0.28	0.06	0.34	0.00	PCI/G
CC0/1(209)	RA-226DA	0.54	0.09	0.63	0.00	PCI/G
CC0/1(221)	RA-226DA	0.13	0.04	0.17	0.07	PCI/G
CC0/1(222)	RA-226DA	0.30	0.06	0.35	0.00	PCI/G
CC0/1(231)	RA-226DA	0.54	0.09	0.63	0.00	PCI/G
CC0/2(001)	RA-226DA	0.84	0.13	0.97	0.00	PCI/G
CC0/2(003)	RA-226DA	0.81	0.12	0.93	0.00	PCI/G
CC0/2(004)	RA-226DA	0.43	0.08	0.51	0.00	PCI/G
CC0/2(007)	RA-226DA	0.72	0.11	0.82	0.00	PCI/G
CC0/2(007)	RA-226DA	0.77	0.11	0.87	0.00	PCI/G
CC0/2(009)	RA-226DA	0.73	0.11	0.84	0.00	PCI/G
CC0/2(011)	RA-226DA	1.02	0.15	1.17	0.00	PCI/G
CC0/2(017)	RA-226DA	0.79	0.12	0.91	0.00	PCI/G
CC0/2(026)	RA-226DA	0.91	0.13	1.04	0.00	PCI/G
CC0/2(028)	RA-226DA	0.64	0.11	0.75	0.00	PCI/G
CC0/2(031)	RA-226DA	0.74	0.14	0.88	0.00	PCI/G
CC0/2(032)	RA-226DA	0.67	0.11	0.78	0.00	PCI/G
CC0/2(040)	RA-226DA	0.63	0.10	0.73	0.00	PCI/G
CC0/2(044)	RA-226DA	0.83	0.13	0.96	0.00	PCI/G
CC0/2(047)	RA-226DA	0.90	0.13	1.03	0.00	PCI/G
CC0/2(052)	RA-226DA	0.42	0.10	0.51	0.00	PCI/G
CC0/2(053)	RA-226DA	0.62	0.09	0.71	0.00	PCI/G
CC0/2(054)	RA-226DA	0.95	0.14	1.09	0.00	PCI/G
CC0/2(061)	RA-226DA	0.29	0.07	0.37	0.13	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/2(065)	RA-226DA	0.83	0.12	0.95	0.00	PCI/G
CC0/2(066)	RA-226DA	0.96	0.13	1.09	0.00	PCI/G
CC0/2(070)	RA-226DA	1.09	0.14	1.23	0.00	PCI/G
CC0/2(071)	RA-226DA	0.60	0.10	0.70	0.00	PCI/G
CC0/2(071)	RA-226DA	0.63	0.11	0.74	0.00	PCI/G
CC0/2(074)	RA-226DA	1.12	0.15	1.27	0.00	PCI/G
CC0/2(076)	RA-226DA	1.03	0.14	1.17	0.00	PCI/G
CC0/2(078)	RA-226DA	0.99	0.13	1.12	0.00	PCI/G
CC0/2(078)	RA-226DA	1.14	0.24	1.38	0.00	PCI/G
CC0/2(079)	RA-226DA	0.93	0.13	1.05	0.00	PCI/G
CC0/2(083)	RA-226DA	0.73	0.12	0.85	0.00	PCI/G
CC0/2(084)	RA-226DA	0.86	0.14	1.00	0.00	PCI/G
CC0/2(086)	RA-226DA	1.64	0.22	1.86	0.00	PCI/G
CC0/2(087)	RA-226DA	0.82	0.13	0.94	0.00	PCI/G
CC0/2(090)	RA-226DA	0.82	0.12	0.95	0.00	PCI/G
CC0/2(091)	RA-226DA	0.77	0.17	0.94	0.00	PCI/G
CC0/2(092)	RA-226DA	0.76	0.12	0.88	0.00	PCI/G
CC0/2(097)	RA-226DA	1.00	0.16	1.16	0.00	PCI/G
CC0/2(100)	RA-226DA	0.65	0.13	0.78	0.00	PCI/G
CC0/2(102)	RA-226DA	1.56	0.23	1.79	0.00	PCI/G
CC0/2(106)	RA-226DA	0.70	0.11	0.81	0.00	PCI/G
CC0/2(107)	RA-226DA	0.50	0.09	0.59	0.16	PCI/G
CC0/2(108)	RA-226DA	0.91	0.14	1.05	0.00	PCI/G
CC0/2(111)	RA-226DA	0.43	0.08	0.50	0.00	PCI/G
CC0/2(118)	RA-226DA	0.75	0.11	0.87	0.18	PCI/G
CC0/2(119)	RA-226DA	0.70	0.11	0.81	0.00	PCI/G
CC0/2(120)	RA-226DA	1.42	0.21	1.63	0.00	PCI/G
CC0/2(124)	RA-226DA	1.36	0.17	1.53	0.00	PCI/G
CC0/2(124)	RA-226DA	1.41	0.19	1.60	0.00	PCI/G
CC0/2(125)	RA-226DA	1.29	0.17	1.46	0.00	PCI/G
CC0/2(138)	RA-226DA	1.20	0.17	1.37	0.00	PCI/G
CC0/2(141)	RA-226DA	0.61	0.09	0.70	0.00	PCI/G
CC0/2(148)	RA-226DA	0.95	0.14	1.09	0.00	PCI/G
CC0/2(151)	RA-226DA	0.92	0.16	1.07	0.00	PCI/G
CC0/2(161)	RA-226DA	1.17	0.15	1.32	0.00	PCI/G
CC0/2(163)	RA-226DA	0.68	0.12	0.80	0.00	PCI/G
CC0/2(170)	RA-226DA	1.14	0.15	1.29	0.00	PCI/G
CC0/2(182)	RA-226DA	0.41	0.07	0.47	0.00	PCI/G
CC0/2(187)	RA-226DA	1.33	0.17	1.50	0.00	PCI/G
CC0/2(202)	RA-226DA	1.09	0.14	1.23	0.00	PCI/G
CC0/2(209)	RA-226DA	1.15	0.16	1.31	0.00	PCI/G
CC0/2(221)	RA-226DA	0.42	0.09	0.50	0.00	PCI/G
CC0/2(222)	RA-226DA	0.46	0.09	0.54	0.00	PCI/G
CC0/2(231)	RA-226DA	0.92	0.14	1.05	0.00	PCI/G
CC0/3(076)	RA-226DA	1.14	0.16	1.30	0.00	PCI/G
CC1/1(070)	RA-226DA	0.53	0.10	0.63	0.00	PCI/G
CC1/1(221)	RA-226DA	0.08	0.03	0.10	0.05	PCI/G
CC1/2(202)	RA-226DA	1.17	0.15	1.32	0.00	PCI/G
NE0/1(001)	RA-226DA	0.82	0.13	0.95	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NEO/1(003)	RA-226DA	0.52	0.10	0.62	0.00	PCI/G
NEO/1(004)	RA-226DA	0.80	0.12	0.91	0.00	PCI/G
NEO/1(007)	RA-226DA	0.78	0.12	0.90	0.00	PCI/G
NEO/1(009)	RA-226DA	0.86	0.12	0.98	0.00	PCI/G
NEO/1(011)	RA-226DA	0.42	0.08	0.50	0.00	PCI/G
NEO/1(015)	RA-226DA	0.42	0.08	0.50	0.00	PCI/G
NEO/1(017)	RA-226DA	0.95	0.14	1.09	0.00	PCI/G
NEO/1(023)	RA-226DA	0.28	0.05	0.33	0.10	PCI/G
NEO/1(026)	RA-226DA	0.98	0.14	1.13	0.00	PCI/G
NEO/1(027)	RA-226DA	0.76	0.14	0.90	0.00	PCI/G
NEO/1(028)	RA-226DA	0.73	0.13	0.86	0.00	PCI/G
NEO/1(032)	RA-226DA	0.82	0.12	0.94	0.00	PCI/G
NEO/1(040)	RA-226DA	0.57	0.10	0.67	0.00	PCI/G
NEO/1(044)	RA-226DA	0.74	0.11	0.85	0.00	PCI/G
NEO/1(047)	RA-226DA	0.90	0.14	1.04	0.00	PCI/G
NEO/1(052)	RA-226DA	0.62	0.10	0.72	0.00	PCI/G
NEO/1(053)	RA-226DA	1.00	0.15	1.15	0.00	PCI/G
NEO/1(054)	RA-226DA	0.86	0.13	0.99	0.00	PCI/G
NEO/1(061)	RA-226DA	0.87	0.13	0.99	0.00	PCI/G
NEO/1(061)	RA-226DA	0.88	0.14	1.02	0.00	PCI/G
NEO/1(065)	RA-226DA	1.02	0.14	1.16	0.00	PCI/G
NEO/1(066)	RA-226DA	1.06	0.14	1.20	0.00	PCI/G
NEO/1(070)	RA-226DA	0.47	0.09	0.56	0.00	PCI/G
NEO/1(071)	RA-226DA	0.37	0.07	0.44	0.00	PCI/G
NEO/1(074)	RA-226DA	1.09	0.15	1.24	0.00	PCI/G
NEO/1(076)	RA-226DA	0.85	0.13	0.98	0.00	PCI/G
NEO/1(078)	RA-226DA	0.64	0.10	0.74	0.00	PCI/G
NEO/1(079)	RA-226DA	0.79	0.12	0.91	0.00	PCI/G
NEO/1(087)	RA-226DA	1.44	0.19	1.63	0.00	PCI/G
NEO/1(090)	RA-226DA	0.91	0.15	1.06	0.00	PCI/G
NEO/1(090)	RA-226DA	0.95	0.15	1.10	0.00	PCI/G
NEO/1(097)	RA-226DA	0.94	0.14	1.08	0.00	PCI/G
NEO/1(102)	RA-226DA	0.54	0.12	0.66	0.00	PCI/G
NEO/1(106)	RA-226DA	0.50	0.08	0.58	0.00	PCI/G
NEO/1(107)	RA-226DA	0.80	0.13	0.93	0.00	PCI/G
NEO/1(111)	RA-226DA	0.60	0.10	0.71	0.00	PCI/G
NEO/1(111)	RA-226DA	0.68	0.11	0.79	0.00	PCI/G
NEO/1(118)	RA-226DA	0.92	0.19	1.10	0.00	PCI/G
NEO/1(119)	RA-226DA	0.60	0.11	0.71	0.00	PCI/G
NEO/1(120)	RA-226DA	0.40	0.08	0.48	0.00	PCI/G
NEO/1(124)	RA-226DA	0.52	0.08	0.60	0.00	PCI/G
NEO/1(124)	RA-226DA	0.54	0.09	0.62	0.00	PCI/G
NEO/1(125)	RA-226DA	0.29	0.06	0.36	0.00	PCI/G
NEO/1(138)	RA-226DA	0.19	0.05	0.24	0.00	PCI/G
NEO/1(141)	RA-226DA	0.42	0.07	0.49	0.00	PCI/G
NEO/1(151)	RA-226DA	0.29	0.06	0.35	0.00	PCI/G
NEO/1(161)	RA-226DA	0.20	0.04	0.24	0.00	PCI/G
NEO/1(163)	RA-226DA	0.32	0.14	0.46	0.24	PCI/G
NEO/1(163)	RA-226DA	0.52	0.16	0.68	0.26	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NE0/1(174)	RA-226DA	0.25	0.06	0.31	0.00	PCI/G
NE0/1(178)	RA-226DA	0.41	0.07	0.49	0.00	PCI/G
NE0/1(182)	RA-226DA	0.79	0.12	0.91	0.00	PCI/G
NE0/1(185)	RA-226DA	0.26	0.06	0.32	0.00	PCI/G
NE0/1(187)	RA-226DA	0.24	0.09	0.33	0.00	PCI/G
NE0/1(196)	RA-226DA	1.21	0.17	1.38	0.00	PCI/G
NE0/1(202)	RA-226DA	0.20	0.06	0.26	0.00	PCI/G
NE0/1(209)	RA-226DA	1.20	0.16	1.36	0.00	PCI/G
NE0/1(209)	RA-226DA	1.21	0.16	1.37	0.00	PCI/G
NE0/1(221)	RA-226DA	0.26	0.05	0.31	0.00	PCI/G
NE0/1(222)	RA-226DA	0.15	0.04	0.19	0.08	PCI/G
NE0/1(222)	RA-226DA	0.18	0.04	0.22	0.08	PCI/G
NE0/1(231)	RA-226DA	0.42	0.08	0.50	0.00	PCI/G
NE0/2(001)	RA-226DA	0.64	0.10	0.74	0.00	PCI/G
NE0/2(003)	RA-226DA	0.82	0.15	0.96	0.00	PCI/G
NE0/2(003)	RA-226DA	0.89	0.14	1.02	0.00	PCI/G
NE0/2(011)	RA-226DA	0.83	0.12	0.95	0.00	PCI/G
NE0/2(015)	RA-226DA	0.58	0.09	0.66	0.00	PCI/G
NE0/2(017)	RA-226DA	0.92	0.13	1.05	0.00	PCI/G
NE0/2(023)	RA-226DA	0.50	0.10	0.60	0.00	PCI/G
NE0/2(026)	RA-226DA	0.99	0.14	1.13	0.00	PCI/G
NE0/2(026)	RA-226DA	1.11	0.15	1.26	0.00	PCI/G
NE0/2(027)	RA-226DA	0.74	0.13	0.87	0.00	PCI/G
NE0/2(028)	RA-226DA	0.78	0.13	0.91	0.00	PCI/G
NE0/2(032)	RA-226DA	0.80	0.13	0.93	0.00	PCI/G
NE0/2(040)	RA-226DA	0.52	0.11	0.62	0.00	PCI/G
NE0/2(047)	RA-226DA	0.87	0.14	1.02	0.00	PCI/G
NE0/2(052)	RA-226DA	0.43	0.09	0.52	0.00	PCI/G
NE0/2(052)	RA-226DA	0.56	0.09	0.65	0.00	PCI/G
NE0/2(053)	RA-226DA	0.84	0.14	0.98	0.00	PCI/G
NE0/2(054)	RA-226DA	0.76	0.13	0.89	0.00	PCI/G
NE0/2(054)	RA-226DA	0.80	0.13	0.93	0.00	PCI/G
NE0/2(061)	RA-226DA	0.84	0.13	0.96	0.00	PCI/G
NE0/2(065)	RA-226DA	1.06	0.15	1.21	0.00	PCI/G
NE0/2(066)	RA-226DA	0.86	0.12	0.99	0.00	PCI/G
NE0/2(070)	RA-226DA	1.07	0.14	1.21	0.00	PCI/G
NE0/2(071)	RA-226DA	0.56	0.09	0.64	0.00	PCI/G
NE0/2(074)	RA-226DA	0.90	0.12	1.02	0.00	PCI/G
NE0/2(076)	RA-226DA	0.94	0.14	1.08	0.00	PCI/G
NE0/2(078)	RA-226DA	0.54	0.08	0.63	0.00	PCI/G
NE0/2(079)	RA-226DA	0.72	0.12	0.84	0.00	PCI/G
NE0/2(087)	RA-226DA	1.20	0.16	1.36	0.00	PCI/G
NE0/2(090)	RA-226DA	0.95	0.15	1.10	0.00	PCI/G
NE0/2(097)	RA-226DA	1.21	0.18	1.39	0.00	PCI/G
NE0/2(102)	RA-226DA	1.54	0.39	1.93	0.00	PCI/G
NE0/2(106)	RA-226DA	0.58	0.09	0.67	0.00	PCI/G
NE0/2(107)	RA-226DA	0.83	0.13	0.96	0.00	PCI/G
NE0/2(111)	RA-226DA	0.46	0.09	0.56	0.00	PCI/G
NE0/2(118)	RA-226DA	1.14	0.18	1.32	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NE0/2(119)	RA-226DA	1.24	0.16	1.40	0.00	PCI/G
NE0/2(120)	RA-226DA	0.63	0.11	0.74	0.00	PCI/G
NE0/2(124)	RA-226DA	1.16	0.16	1.32	0.00	PCI/G
NE0/2(125)	RA-226DA	1.13	0.15	1.28	0.00	PCI/G
NE0/2(141)	RA-226DA	1.07	0.15	1.22	0.00	PCI/G
NE0/2(148)	RA-226DA	1.18	0.17	1.35	0.00	PCI/G
NE0/2(148)	RA-226DA	1.21	0.16	1.37	0.00	PCI/G
NE0/2(163)	RA-226DA	0.48	0.12	0.59	0.00	PCI/G
NE0/2(174)	RA-226DA	0.44	0.09	0.53	0.00	PCI/G
NE0/2(178)	RA-226DA	1.47	0.19	1.66	0.00	PCI/G
NE0/2(182)	RA-226DA	1.15	0.15	1.30	0.00	PCI/G
NE0/2(202)	RA-226DA	1.22	0.18	1.40	0.00	PCI/G
NE0/2(221)	RA-226DA	0.33	0.06	0.39	0.00	PCI/G
NE1/1(023)	RA-226DA	0.36	0.07	0.43	0.00	PCI/G
NE1/1(074)	RA-226DA	1.03	0.13	1.16	0.00	PCI/G
NE1/1(178)	RA-226DA	0.57	0.11	0.68	0.00	PCI/G
NE1/2(023)	RA-226DA	0.65	0.14	0.80	0.00	PCI/G
NW0/1(001)	RA-226DA	0.30	0.07	0.37	0.00	PCI/G
NW0/1(017)	RA-226DA	0.96	0.14	1.10	0.00	PCI/G
NW0/1(023)	RA-226DA	1.09	0.16	1.25	0.00	PCI/G
NW0/1(023)	RA-226DA	1.20	0.17	1.37	0.00	PCI/G
NW0/1(026)	RA-226DA	0.65	0.10	0.76	0.00	PCI/G
NW0/1(028)	RA-226DA	1.06	0.15	1.21	0.00	PCI/G
NW0/1(040)	RA-226DA	0.38	0.08	0.47	0.00	PCI/G
NW0/1(047)	RA-226DA	0.96	0.14	1.10	0.00	PCI/G
NW0/1(052)	RA-226DA	0.37	0.07	0.45	0.00	PCI/G
NW0/1(053)	RA-226DA	0.73	0.13	0.86	0.00	PCI/G
NW0/1(054)	RA-226DA	0.74	0.14	0.88	0.00	PCI/G
NW0/1(061)	RA-226DA	1.02	0.15	1.17	0.00	PCI/G
NW0/1(074)	RA-226DA	1.14	0.16	1.30	0.00	PCI/G
NW0/1(078)	RA-226DA	0.69	0.10	0.80	0.00	PCI/G
NW0/1(079)	RA-226DA	1.01	0.14	1.15	0.00	PCI/G
NW0/1(084)	RA-226DA	0.48	0.09	0.56	0.15	PCI/G
NW0/1(087)	RA-226DA	0.94	0.15	1.09	0.00	PCI/G
NW0/1(091)	RA-226DA	0.20	0.04	0.24	0.07	PCI/G
NW0/1(092)	RA-226DA	0.84	0.15	0.99	0.00	PCI/G
NW0/1(097)	RA-226DA	1.22	0.17	1.39	0.00	PCI/G
NW0/1(100)	RA-226DA	0.71	0.12	0.83	0.00	PCI/G
NW0/1(102)	RA-226DA	0.71	0.21	0.92	0.00	PCI/G
NW0/1(107)	RA-226DA	0.63	0.12	0.75	0.00	PCI/G
NW0/1(108)	RA-226DA	0.27	0.05	0.33	0.00	PCI/G
NW0/1(108)	RA-226DA	0.32	0.06	0.38	0.00	PCI/G
NW0/1(118)	RA-226DA	0.30	0.05	0.35	0.09	PCI/G
NW0/1(124)	RA-226DA	0.26	0.06	0.32	0.00	PCI/G
NW0/1(125)	RA-226DA	0.67	0.10	0.78	0.00	PCI/G
NW0/1(138)	RA-226DA	0.33	0.05	0.38	0.10	PCI/G
NW0/1(141)	RA-226DA	1.01	0.20	1.21	0.00	PCI/G
NW0/1(141)	RA-226DA	1.19	0.17	1.36	0.00	PCI/G
NW0/1(148)	RA-226DA	1.09	0.15	1.24	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/1(148)	RA-226DA	1.08	0.16	1.24	0.00	PCI/G
NW0/1(151)	RA-226DA	0.50	0.08	0.59	0.00	PCI/G
NW0/1(161)	RA-226DA	0.34	0.06	0.39	0.11	PCI/G
NW0/1(170)	RA-226DA	0.51	0.09	0.61	0.00	PCI/G
NW0/1(174)	RA-226DA	0.33	0.07	0.40	0.00	PCI/G
NW0/1(178)	RA-226DA	0.77	0.12	0.90	0.00	PCI/G
NW0/1(182)	RA-226DA	0.47	0.09	0.55	0.00	PCI/G
NW0/1(187)	RA-226DA	0.34	0.07	0.40	0.12	PCI/G
NW0/1(196)	RA-226DA	0.76	0.12	0.88	0.00	PCI/G
NW0/1(202)	RA-226DA	0.38	0.08	0.45	0.00	PCI/G
NW0/1(209)	RA-226DA	0.59	0.10	0.68	0.00	PCI/G
NW0/1(221)	RA-226DA	0.74	0.12	0.86	0.00	PCI/G
NW0/1(222)	RA-226DA	0.22	0.04	0.26	0.08	PCI/G
NW0/1(231)	RA-226DA	0.58	0.08	0.67	0.00	PCI/G
NW0/2(001)	RA-226DA	0.52	0.08	0.60	0.00	PCI/G
NW0/2(001)	RA-226DA	0.59	0.09	0.68	0.00	PCI/G
NW0/2(023)	RA-226DA	1.14	0.18	1.32	0.00	PCI/G
NW0/2(028)	RA-226DA	0.98	0.14	1.11	0.00	PCI/G
NW0/2(040)	RA-226DA	0.71	0.13	0.84	0.00	PCI/G
NW0/2(047)	RA-226DA	0.87	0.15	1.02	0.00	PCI/G
NW0/2(052)	RA-226DA	0.68	0.11	0.79	0.00	PCI/G
NW0/2(054)	RA-226DA	0.77	0.12	0.89	0.00	PCI/G
NW0/2(061)	RA-226DA	1.16	0.16	1.32	0.00	PCI/G
NW0/2(074)	RA-226DA	1.15	0.16	1.31	0.00	PCI/G
NW0/2(078)	RA-226DA	0.93	0.13	1.06	0.00	PCI/G
NW0/2(079)	RA-226DA	0.99	0.13	1.12	0.00	PCI/G
NW0/2(084)	RA-226DA	1.23	0.16	1.39	0.00	PCI/G
NW0/2(087)	RA-226DA	1.11	0.15	1.26	0.00	PCI/G
NW0/2(087)	RA-226DA	1.12	0.15	1.27	0.00	PCI/G
NW0/2(091)	RA-226DA	0.32	0.06	0.38	0.11	PCI/G
NW0/2(097)	RA-226DA	0.86	0.12	0.98	0.00	PCI/G
NW0/2(100)	RA-226DA	0.79	0.14	0.93	0.00	PCI/G
NW0/2(102)	RA-226DA	1.07	0.19	1.26	0.30	PCI/G
NW0/2(107)	RA-226DA	0.36	0.06	0.43	0.00	PCI/G
NW0/2(107)	RA-226DA	0.39	0.07	0.45	0.00	PCI/G
NW0/2(108)	RA-226DA	0.62	0.11	0.72	0.00	PCI/G
NW0/2(118)	RA-226DA	0.78	0.13	0.91	0.00	PCI/G
NW0/2(124)	RA-226DA	0.95	0.14	1.08	0.00	PCI/G
NW0/2(125)	RA-226DA	1.08	0.16	1.24	0.00	PCI/G
NW0/2(125)	RA-226DA	1.14	0.15	1.29	0.00	PCI/G
NW0/2(138)	RA-226DA	0.93	0.14	1.07	0.00	PCI/G
NW0/2(141)	RA-226DA	1.36	0.19	1.55	0.00	PCI/G
NW0/2(148)	RA-226DA	1.17	0.16	1.33	0.00	PCI/G
NW0/2(151)	RA-226DA	1.37	0.17	1.54	0.00	PCI/G
NW0/2(161)	RA-226DA	1.28	0.17	1.45	0.00	PCI/G
NW0/2(170)	RA-226DA	1.06	0.15	1.21	0.00	PCI/G
NW0/2(178)	RA-226DA	1.13	0.16	1.29	0.00	PCI/G
NW0/2(182)	RA-226DA	0.94	0.14	1.08	0.00	PCI/G
NW0/2(187)	RA-226DA	0.83	0.13	0.96	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/2(202)	RA-226DA	0.97	0.14	1.11	0.00	PCI/G
NW0/3(061)	RA-226DA	1.17	0.16	1.33	0.00	PCI/G
NW1/1(023)	RA-226DA	1.04	0.15	1.19	0.00	PCI/G
NW1/1(052)	RA-226DA	0.46	0.10	0.56	0.00	PCI/G
NW1/1(061)	RA-226DA	0.90	0.14	1.04	0.00	PCI/G
NW1/1(118)	RA-226DA	0.34	0.06	0.40	0.00	PCI/G
NW1/1(138)	RA-226DA	0.43	0.09	0.53	0.00	PCI/G
NW1/1(141)	RA-226DA	1.13	0.19	1.32	0.00	PCI/G
NW1/1(148)	RA-226DA	0.97	0.14	1.11	0.00	PCI/G
NW1/1(221)	RA-226DA	0.48	0.07	0.55	0.12	PCI/G
SE0/1(001)	RA-226DA	0.95	0.13	1.08	0.00	PCI/G
SE0/1(006)	RA-226DA	0.74	0.11	0.84	0.00	PCI/G
SE0/1(007)	RA-226DA	0.90	0.14	1.04	0.00	PCI/G
SE0/1(009)	RA-226DA	0.85	0.13	0.98	0.00	PCI/G
SE0/1(017)	RA-226DA	0.77	0.11	0.88	0.00	PCI/G
SE0/1(026)	RA-226DA	0.90	0.12	1.02	0.00	PCI/G
SE0/1(027)	RA-226DA	0.34	0.06	0.40	0.11	PCI/G
SE0/1(031)	RA-226DA	0.21	0.06	0.27	0.00	PCI/G
SE0/1(032)	RA-226DA	0.34	0.07	0.41	0.00	PCI/G
SE0/1(040)	RA-226DA	0.42	0.07	0.49	0.00	PCI/G
SE0/1(044)	RA-226DA	1.09	0.15	1.24	0.00	PCI/G
SE0/1(047)	RA-226DA	0.78	0.13	0.92	0.00	PCI/G
SE0/1(052)	RA-226DA	0.40	0.07	0.47	0.00	PCI/G
SE0/1(061)	RA-226DA	0.40	0.07	0.47	0.00	PCI/G
SE0/1(065)	RA-226DA	0.40	0.07	0.46	0.00	PCI/G
SE0/1(076)	RA-226DA	0.35	0.73	1.09	0.00	PCI/G
SE0/1(083)	RA-226DA	0.59	0.09	0.68	0.00	PCI/G
SE0/1(085)	RA-226DA	0.55	0.10	0.65	0.15	PCI/G
SE0/1(087)	RA-226DA	1.44	0.19	1.63	0.00	PCI/G
SE0/1(090)	RA-226DA	0.35	0.07	0.43	0.00	PCI/G
SE0/1(097)	RA-226DA	1.18	0.17	1.35	0.00	PCI/G
SE0/1(106)	RA-226DA	0.46	0.07	0.54	0.00	PCI/G
SE0/1(107)	RA-226DA	0.34	0.06	0.41	0.00	PCI/G
SE0/1(111)	RA-226DA	1.20	0.20	1.40	0.00	PCI/G
SE0/1(118)	RA-226DA	0.77	0.14	0.92	0.00	PCI/G
SE0/1(124)	RA-226DA	0.46	0.08	0.53	0.00	PCI/G
SE0/1(138)	RA-226DA	1.06	0.14	1.20	0.00	PCI/G
SE0/1(141)	RA-226DA	0.41	0.08	0.49	0.00	PCI/G
SE0/1(148)	RA-226DA	0.77	0.12	0.89	0.00	PCI/G
SE0/1(151)	RA-226DA	0.39	0.12	0.51	0.00	PCI/G
SE0/1(161)	RA-226DA	0.49	0.08	0.57	0.00	PCI/G
SE0/1(161)	RA-226DA	0.56	0.10	0.66	0.00	PCI/G
SE0/1(174)	RA-226DA	0.24	0.05	0.29	0.09	PCI/G
SE0/1(178)	RA-226DA	0.34	0.06	0.40	0.00	PCI/G
SE0/1(182)	RA-226DA	0.33	0.06	0.39	0.00	PCI/G
SE0/1(187)	RA-226DA	0.23	0.05	0.27	0.09	PCI/G
SE0/1(196)	RA-226DA	0.44	0.07	0.52	0.00	PCI/G
SE0/1(202)	RA-226DA	0.20	0.06	0.26	0.00	PCI/G
SE0/1(209)	RA-226DA	0.17	0.04	0.21	0.07	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SE0/1(209)	RA-226DA	0.19	0.04	0.23	0.09	PCI/G
SE0/1(221)	RA-226DA	0.16	0.03	0.19	0.07	PCI/G
SE0/1(231)	RA-226DA	1.02	0.13	1.15	0.00	PCI/G
SE0/2(001)	RA-226DA	0.93	0.13	1.05	0.00	PCI/G
SE0/2(007)	RA-226DA	0.89	0.13	1.02	0.00	PCI/G
SE0/2(017)	RA-226DA	0.89	0.13	1.02	0.00	PCI/G
SE0/2(027)	RA-226DA	0.47	0.08	0.55	0.00	PCI/G
SE0/2(031)	RA-226DA	0.24	0.05	0.29	0.10	PCI/G
SE0/2(031)	RA-226DA	0.93	0.14	1.07	0.00	PCI/G
SE0/2(032)	RA-226DA	0.68	0.11	0.79	0.00	PCI/G
SE0/2(040)	RA-226DA	0.66	0.12	0.78	0.00	PCI/G
SE0/2(044)	RA-226DA	0.98	0.16	1.14	0.00	PCI/G
SE0/2(047)	RA-226DA	1.03	0.15	1.18	0.00	PCI/G
SE0/2(052)	RA-226DA	0.47	0.12	0.58	0.00	PCI/G
SE0/2(061)	RA-226DA	0.64	0.11	0.75	0.17	PCI/G
SE0/2(065)	RA-226DA	0.61	0.10	0.71	0.00	PCI/G
SE0/2(076)	RA-226DA	1.15	0.15	1.30	0.00	PCI/G
SE0/2(085)	RA-226DA	0.87	0.16	1.02	0.00	PCI/G
SE0/2(087)	RA-226DA	1.33	0.17	1.50	0.00	PCI/G
SE0/2(090)	RA-226DA	0.63	0.13	0.76	0.00	PCI/G
SE0/2(097)	RA-226DA	1.22	0.17	1.39	0.00	PCI/G
SE0/2(106)	RA-226DA	0.71	0.10	0.80	0.00	PCI/G
SE0/2(107)	RA-226DA	0.31	0.08	0.40	0.00	PCI/G
SE0/2(111)	RA-226DA	0.83	0.16	0.99	0.00	PCI/G
SE0/2(118)	RA-226DA	1.34	0.17	1.51	0.00	PCI/G
SE0/2(124)	RA-226DA	0.99	0.13	1.12	0.00	PCI/G
SE0/2(138)	RA-226DA	1.06	0.14	1.20	0.00	PCI/G
SE0/2(141)	RA-226DA	0.56	0.10	0.66	0.00	PCI/G
SE0/2(148)	RA-226DA	0.31	0.06	0.38	0.00	PCI/G
SE0/2(151)	RA-226DA	0.30	0.08	0.39	0.16	PCI/G
SE0/2(161)	RA-226DA	1.11	0.15	1.26	0.00	PCI/G
SE0/2(178)	RA-226DA	0.32	0.08	0.41	0.00	PCI/G
SE0/2(182)	RA-226DA	0.55	0.09	0.64	0.00	PCI/G
SE0/2(196)	RA-226DA	1.24	0.17	1.41	0.00	PCI/G
SE0/2(202)	RA-226DA	0.86	0.14	0.99	0.00	PCI/G
SE0/3(052)	RA-226DA	0.93	0.14	1.07	0.00	PCI/G
SE0/3(065)	RA-226DA	0.89	0.12	1.01	0.00	PCI/G
SE0/3(076)	RA-226DA	0.87	0.12	0.99	0.00	PCI/G
SE1/1(076)	RA-226DA	0.45	0.11	0.56	0.00	PCI/G
SE1/1(083)	RA-226DA	0.89	0.13	1.01	0.00	PCI/G
SW0/1(006)	RA-226DA	0.89	0.12	1.01	0.00	PCI/G
SW0/1(026)	RA-226DA	1.01	0.15	1.16	0.00	PCI/G
SW0/1(047)	RA-226DA	0.70	0.12	0.83	0.00	PCI/G
SW0/1(047)	RA-226DA	0.78	0.13	0.91	0.00	PCI/G
SW0/1(061)	RA-226DA	1.05	0.15	1.20	0.00	PCI/G
SW0/1(074)	RA-226DA	1.25	0.17	1.42	0.00	PCI/G
SW0/1(097)	RA-226DA	1.00	0.14	1.14	0.00	PCI/G
SW0/1(111)	RA-226DA	0.31	0.08	0.39	0.00	PCI/G
SW0/1(124)	RA-226DA	0.42	0.07	0.49	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SW0/1(141)	RA-226DA	0.32	0.07	0.39	0.00	PCI/G
SW0/1(148)	RA-226DA	0.41	0.07	0.48	0.00	PCI/G
SW0/1(170)	RA-226DA	0.30	0.06	0.36	0.00	PCI/G
SW0/1(178)	RA-226DA	0.18	0.05	0.23	0.00	PCI/G
SW0/1(182)	RA-226DA	0.58	0.09	0.67	0.00	PCI/G
SW0/1(185)	RA-226DA	0.34	0.06	0.41	0.00	PCI/G
SW0/1(185)	RA-226DA	0.77	0.13	0.91	0.00	PCI/G
SW0/1(196)	RA-226DA	1.03	0.15	1.18	0.00	PCI/G
SW0/1(202)	RA-226DA	0.26	0.05	0.31	0.10	PCI/G
SW0/1(209)	RA-226DA	0.24	0.05	0.29	0.09	PCI/G
SW0/1(221)	RA-226DA	1.15	0.16	1.31	0.00	PCI/G
SW0/1(231)	RA-226DA	0.41	0.08	0.49	0.00	PCI/G
SW0/2(006)	RA-226DA	0.87	0.13	1.00	0.00	PCI/G
SW0/2(047)	RA-226DA	0.78	0.14	0.93	0.00	PCI/G
SW0/2(061)	RA-226DA	0.65	0.14	0.78	0.00	PCI/G
SW0/2(074)	RA-226DA	1.18	0.16	1.34	0.00	PCI/G
SW0/2(097)	RA-226DA	1.34	0.18	1.52	0.00	PCI/G
SW0/2(111)	RA-226DA	0.92	0.21	1.13	0.00	PCI/G
SW0/2(124)	RA-226DA	1.27	0.17	1.44	0.00	PCI/G
SW0/2(148)	RA-226DA	1.05	0.15	1.20	0.00	PCI/G
SW0/2(148)	RA-226DA	1.07	0.16	1.23	0.00	PCI/G
SW0/2(170)	RA-226DA	1.04	0.16	1.20	0.00	PCI/G
SW0/2(178)	RA-226DA	0.60	0.10	0.69	0.00	PCI/G
SW0/2(178)	RA-226DA	0.59	0.11	0.70	0.00	PCI/G
SW0/2(182)	RA-226DA	1.16	0.16	1.32	0.00	PCI/G
SW0/2(196)	RA-226DA	1.10	0.16	1.26	0.00	PCI/G
SW0/2(202)	RA-226DA	1.17	0.16	1.33	0.00	PCI/G
SW0/2(202)	RA-226DA	1.19	0.17	1.36	0.00	PCI/G
SW0/2(221)	RA-226DA	1.28	0.17	1.45	0.00	PCI/G
CC0/1(017)	TH-232DA	1.11	0.19	1.30	0.00	PCI/G
CC0/1(026)	TH-232DA	1.16	0.20	1.36	0.00	PCI/G
CC0/1(028)	TH-232DA	1.18	0.24	1.42	0.00	PCI/G
CC0/1(028)	TH-232DA	1.20	0.24	1.44	0.00	PCI/G
CC0/1(031)	TH-232DA	4.78	0.57	5.35	0.00	PCI/G
CC0/1(032)	TH-232DA	1.13	0.21	1.34	0.00	PCI/G
CC0/1(040)	TH-232DA	2.68	0.34	3.02	0.00	PCI/G
CC0/1(044)	TH-232DA	0.59	0.11	0.70	0.00	PCI/G
CC0/1(047)	TH-232DA	1.39	0.24	1.63	0.00	PCI/G
CC0/1(047)	TH-232DA	1.14	0.22	1.36	0.00	PCI/G
CC0/1(052)	TH-232DA	0.34	0.10	0.44	0.00	PCI/G
CC0/1(053)	TH-232DA	1.12	0.21	1.33	0.00	PCI/G
CC0/1(054)	TH-232DA	1.22	0.25	1.47	0.00	PCI/G
CC0/1(061)	TH-232DA	0.22	0.09	0.31	0.00	PCI/G
CC0/1(065)	TH-232DA	0.45	0.11	0.56	0.00	PCI/G
CC0/1(066)	TH-232DA	1.23	0.23	1.46	0.00	PCI/G
CC0/1(070)	TH-232DA	4.14	0.51	4.65	0.00	PCI/G
CC0/1(071)	TH-232DA	0.86	0.15	1.01	0.00	PCI/G
CC0/1(074)	TH-232DA	1.05	0.19	1.24	0.00	PCI/G
CC0/1(076)	TH-232DA	0.35	0.12	0.47	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/1(078)	TH-232DA	21.30	2.17	23.47	0.00	PCI/G
CC0/1(079)	TH-232DA	0.80	0.16	0.96	0.00	PCI/G
CC0/1(079)	TH-232DA	0.97	0.19	1.16	0.00	PCI/G
CC0/1(083)	TH-232DA	2.73	0.38	3.11	0.00	PCI/G
CC0/1(084)	TH-232DA	0.51	0.16	0.66	0.00	PCI/G
CC0/1(086)	TH-232DA	1.32	0.23	1.55	0.00	PCI/G
CC0/1(086)	TH-232DA	1.76	0.26	2.02	0.00	PCI/G
CC0/1(087)	TH-232DA	0.93	0.20	1.13	0.00	PCI/G
CC0/1(090)	TH-232DA	2.20	0.29	2.49	0.00	PCI/G
CC0/1(090)	TH-232DA	2.51	0.33	2.84	0.00	PCI/G
CC0/1(091)	TH-232DA	0.31	0.12	0.43	0.00	PCI/G
CC0/1(092)	TH-232DA	3.24	0.41	3.65	0.00	PCI/G
CC0/1(093)	TH-232DA	28.40	2.91	31.31	0.00	PCI/G
CC0/1(097)	TH-232DA	1.27	0.22	1.49	0.00	PCI/G
CC0/1(100)	TH-232DA	0.33	0.09	0.42	0.00	PCI/G
CC0/1(100)	TH-232DA	0.52	0.13	0.65	0.00	PCI/G
CC0/1(102)	TH-232DA	9.00	0.98	9.98	0.00	PCI/G
CC0/1(106)	TH-232DA	1.01	0.20	1.21	0.00	PCI/G
CC0/1(107)	TH-232DA	0.35	0.10	0.45	0.00	PCI/G
CC0/1(108)	TH-232DA	5.12	0.64	5.76	0.00	PCI/G
CC0/1(111)	TH-232DA	1.99	0.27	2.26	0.00	PCI/G
CC0/1(118)	TH-232DA	21.10	2.17	23.27	0.00	PCI/G
CC0/1(119)	TH-232DA	6.20	0.72	6.92	0.00	PCI/G
CC0/1(120)	TH-232DA	1.76	0.28	2.04	0.00	PCI/G
CC0/1(125)	TH-232DA	0.14	0.07	0.21	0.14	PCI/G
CC0/1(138)	TH-232DA	2.71	0.35	3.06	0.00	PCI/G
CC0/1(141)	TH-232DA	0.25	0.10	0.35	0.00	PCI/G
CC0/1(148)	TH-232DA	1.22	0.22	1.44	0.00	PCI/G
CC0/1(151)	TH-232DA	1.25	0.21	1.46	0.00	PCI/G
CC0/1(151)	TH-232DA	1.42	0.22	1.64	0.00	PCI/G
CC0/1(151)	TH-232DA	0.77	0.16	0.94	0.00	PCI/G
CC0/1(161)	TH-232DA	0.87	0.16	1.03	0.00	PCI/G
CC0/1(170)	TH-232DA	0.52	0.12	0.64	0.00	PCI/G
CC0/1(174)	TH-232DA	0.55	0.16	0.70	0.00	PCI/G
CC0/1(178)	TH-232DA	4.71	0.56	5.27	0.00	PCI/G
CC0/1(182)	TH-232DA	0.24	0.09	0.33	0.00	PCI/G
CC0/1(185)	TH-232DA	0.24	0.08	0.32	0.00	PCI/G
CC0/1(185)	TH-232DA	0.29	0.10	0.39	0.00	PCI/G
CC0/1(187)	TH-232DA	0.40	0.11	0.50	0.00	PCI/G
CC0/1(196)	TH-232DA	0.43	0.12	0.55	0.00	PCI/G
CC0/1(202)	TH-232DA	0.38	0.10	0.48	0.00	PCI/G
CC0/1(209)	TH-232DA	0.52	0.13	0.65	0.00	PCI/G
CC0/1(221)	TH-232DA	0.13	0.06	0.19	0.00	PCI/G
CC0/1(222)	TH-232DA	0.25	0.07	0.32	0.00	PCI/G
CC0/1(231)	TH-232DA	0.46	0.12	0.58	0.00	PCI/G
CC0/2(017)	TH-232DA	1.19	0.21	1.40	0.00	PCI/G
CC0/2(026)	TH-232DA	1.29	0.22	1.51	0.00	PCI/G
CC0/2(028)	TH-232DA	1.02	0.23	1.25	0.00	PCI/G
CC0/2(031)	TH-232DA	5.05	0.61	5.66	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/2(032)	TH-232DA	1.17	0.23	1.40	0.00	PCI/G
CC0/2(040)	TH-232DA	0.70	0.15	0.85	0.00	PCI/G
CC0/2(044)	TH-232DA	1.47	0.24	1.71	0.00	PCI/G
CC0/2(047)	TH-232DA	1.34	0.23	1.57	0.00	PCI/G
CC0/2(052)	TH-232DA	3.48	0.41	3.89	0.00	PCI/G
CC0/2(053)	TH-232DA	0.77	0.17	0.94	0.00	PCI/G
CC0/2(054)	TH-232DA	1.22	0.24	1.46	0.00	PCI/G
CC0/2(061)	TH-232DA	8.65	0.94	9.59	0.00	PCI/G
CC0/2(065)	TH-232DA	0.92	0.18	1.10	0.00	PCI/G
CC0/2(066)	TH-232DA	1.17	0.23	1.40	0.00	PCI/G
CC0/2(070)	TH-232DA	1.71	0.27	1.98	0.00	PCI/G
CC0/2(071)	TH-232DA	0.85	0.16	1.01	0.00	PCI/G
CC0/2(071)	TH-232DA	1.14	0.20	1.34	0.00	PCI/G
CC0/2(074)	TH-232DA	1.03	0.19	1.22	0.00	PCI/G
CC0/2(076)	TH-232DA	0.91	0.18	1.09	0.00	PCI/G
CC0/2(078)	TH-232DA	1.24	0.22	1.46	0.00	PCI/G
CC0/2(078)	TH-232DA	41.90	4.26	46.16	0.00	PCI/G
CC0/2(079)	TH-232DA	0.76	0.17	0.93	0.00	PCI/G
CC0/2(083)	TH-232DA	1.52	0.26	1.78	0.00	PCI/G
CC0/2(084)	TH-232DA	2.79	0.39	3.18	0.00	PCI/G
CC0/2(086)	TH-232DA	1.62	0.29	1.91	0.00	PCI/G
CC0/2(087)	TH-232DA	0.91	0.19	1.10	0.00	PCI/G
CC0/2(090)	TH-232DA	1.76	0.27	2.03	0.00	PCI/G
CC0/2(091)	TH-232DA	6.16	0.70	6.86	0.00	PCI/G
CC0/2(092)	TH-232DA	2.73	0.37	3.10	0.00	PCI/G
CC0/2(097)	TH-232DA	1.03	0.19	1.22	0.00	PCI/G
CC0/2(100)	TH-232DA	13.80	1.43	15.23	0.00	PCI/G
CC0/2(102)	TH-232DA	18.60	1.94	20.54	0.00	PCI/G
CC0/2(106)	TH-232DA	0.68	0.14	0.82	0.00	PCI/G
CC0/2(107)	TH-232DA	5.93	0.68	6.61	0.00	PCI/G
CC0/2(108)	TH-232DA	1.28	0.23	1.51	0.00	PCI/G
CC0/2(111)	TH-232DA	0.64	0.16	0.79	0.00	PCI/G
CC0/2(118)	TH-232DA	5.17	0.62	5.79	0.00	PCI/G
CC0/2(119)	TH-232DA	5.03	0.59	5.62	0.00	PCI/G
CC0/2(120)	TH-232DA	28.10	2.87	30.97	0.00	PCI/G
CC0/2(124)	TH-232DA	1.28	0.21	1.49	0.00	PCI/G
CC0/2(124)	TH-232DA	1.31	0.24	1.55	0.00	PCI/G
CC0/2(125)	TH-232DA	1.05	0.22	1.27	0.00	PCI/G
CC0/2(138)	TH-232DA	1.72	0.31	2.03	0.00	PCI/G
CC0/2(141)	TH-232DA	0.49	0.15	0.63	0.00	PCI/G
CC0/2(148)	TH-232DA	1.15	0.20	1.35	0.00	PCI/G
CC0/2(151)	TH-232DA	1.57	0.32	1.89	0.00	PCI/G
CC0/2(161)	TH-232DA	2.11	0.28	2.39	0.00	PCI/G
CC0/2(163)	TH-232DA	1.76	0.28	2.04	0.00	PCI/G
CC0/2(170)	TH-232DA	1.38	0.23	1.61	0.00	PCI/G
CC0/2(182)	TH-232DA	0.29	0.09	0.38	0.00	PCI/G
CC0/2(187)	TH-232DA	1.50	0.26	1.76	0.00	PCI/G
CC0/2(202)	TH-232DA	1.13	0.20	1.33	0.00	PCI/G
CC0/2(209)	TH-232DA	1.22	0.22	1.44	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
CC0/2(221)	TH-232DA	2.07	0.28	2.35	0.00	PCI/G
CC0/2(222)	TH-232DA	0.74	0.15	0.90	0.00	PCI/G
CC0/2(231)	TH-232DA	0.91	0.22	1.12	0.00	PCI/G
CC0/3(076)	TH-232DA	1.01	0.19	1.20	0.00	PCI/G
CC1/1(070)	TH-232DA	2.40	0.31	2.71	0.00	PCI/G
CC1/2(202)	TH-232DA	1.07	0.21	1.28	0.00	PCI/G
NE0/1(001)	TH-232DA	1.20	0.22	1.42	0.00	PCI/G
NE0/1(004)	TH-232DA	1.19	0.22	1.41	0.00	PCI/G
NE0/1(009)	TH-232DA	1.10	0.21	1.31	0.00	PCI/G
NE0/1(017)	TH-232DA	1.49	0.23	1.72	0.00	PCI/G
NE0/1(023)	TH-232DA	0.17	0.06	0.23	0.13	PCI/G
NE0/1(026)	TH-232DA	1.26	0.25	1.51	0.00	PCI/G
NE0/1(027)	TH-232DA	1.14	0.21	1.35	0.00	PCI/G
NE0/1(028)	TH-232DA	1.29	0.23	1.52	0.00	PCI/G
NE0/1(032)	TH-232DA	1.03	0.21	1.24	0.00	PCI/G
NE0/1(040)	TH-232DA	1.15	0.21	1.36	0.00	PCI/G
NE0/1(044)	TH-232DA	1.56	0.24	1.80	0.00	PCI/G
NE0/1(047)	TH-232DA	1.13	0.22	1.35	0.00	PCI/G
NE0/1(052)	TH-232DA	1.01	0.18	1.19	0.00	PCI/G
NE0/1(053)	TH-232DA	1.42	0.25	1.67	0.00	PCI/G
NE0/1(054)	TH-232DA	1.23	0.23	1.46	0.00	PCI/G
NE0/1(061)	TH-232DA	1.21	0.24	1.45	0.00	PCI/G
NE0/1(061)	TH-232DA	1.14	0.23	1.37	0.00	PCI/G
NE0/1(065)	TH-232DA	1.26	0.24	1.50	0.00	PCI/G
NE0/1(066)	TH-232DA	1.17	0.21	1.38	0.00	PCI/G
NE0/1(070)	TH-232DA	0.56	0.14	0.70	0.00	PCI/G
NE0/1(071)	TH-232DA	1.69	0.24	1.93	0.00	PCI/G
NE0/1(074)	TH-232DA	1.04	0.19	1.23	0.00	PCI/G
NE0/1(076)	TH-232DA	2.13	0.30	2.43	0.00	PCI/G
NE0/1(078)	TH-232DA	0.73	0.15	0.88	0.00	PCI/G
NE0/1(079)	TH-232DA	1.33	0.21	1.54	0.00	PCI/G
NE0/1(087)	TH-232DA	1.07	0.22	1.29	0.00	PCI/G
NE0/1(090)	TH-232DA	3.72	0.46	4.18	0.00	PCI/G
NE0/1(090)	TH-232DA	3.80	0.47	4.27	0.00	PCI/G
NE0/1(097)	TH-232DA	1.06	0.19	1.25	0.00	PCI/G
NE0/1(102)	TH-232DA	12.10	1.27	13.37	0.00	PCI/G
NE0/1(106)	TH-232DA	0.26	0.11	0.37	0.00	PCI/G
NE0/1(107)	TH-232DA	2.66	0.36	3.02	0.00	PCI/G
NE0/1(111)	TH-232DA	1.25	0.25	1.50	0.00	PCI/G
NE0/1(111)	TH-232DA	1.30	0.22	1.52	0.00	PCI/G
NE0/1(118)	TH-232DA	11.60	1.25	12.85	0.00	PCI/G
NE0/1(119)	TH-232DA	3.21	0.40	3.61	0.00	PCI/G
NE0/1(120)	TH-232DA	0.56	0.11	0.67	0.00	PCI/G
NE0/1(124)	TH-232DA	0.48	0.12	0.61	0.00	PCI/G
NE0/1(124)	TH-232DA	0.48	0.13	0.62	0.00	PCI/G
NE0/1(125)	TH-232DA	0.35	0.09	0.45	0.00	PCI/G
NE0/1(138)	TH-232DA	0.41	0.09	0.50	0.00	PCI/G
NE0/1(141)	TH-232DA	0.66	0.14	0.80	0.00	PCI/G
NE0/1(151)	TH-232DA	0.96	0.16	1.12	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NEO/1(161)	TH-232DA	0.56	0.10	0.66	0.00	PCI/G
NEO/1(163)	TH-232DA	29.80	3.07	32.87	0.00	PCI/G
NEO/1(163)	TH-232DA	31.20	3.22	34.42	0.00	PCI/G
NEO/1(174)	TH-232DA	0.45	0.11	0.55	0.00	PCI/G
NEO/1(178)	TH-232DA	0.94	0.17	1.10	0.00	PCI/G
NEO/1(182)	TH-232DA	1.01	0.19	1.20	0.00	PCI/G
NEO/1(185)	TH-232DA	0.22	0.08	0.30	0.00	PCI/G
NEO/1(187)	TH-232DA	1.96	0.30	2.26	0.00	PCI/G
NEO/1(196)	TH-232DA	1.23	0.23	1.46	0.00	PCI/G
NEO/1(202)	TH-232DA	0.56	0.12	0.68	0.00	PCI/G
NEO/1(209)	TH-232DA	1.12	0.21	1.33	0.00	PCI/G
NEO/1(209)	TH-232DA	1.13	0.23	1.36	0.00	PCI/G
NEO/1(221)	TH-232DA	0.20	0.07	0.27	0.00	PCI/G
NEO/1(222)	TH-232DA	0.10	0.06	0.16	0.00	PCI/G
NEO/1(231)	TH-232DA	0.47	0.12	0.59	0.00	PCI/G
NEO/2(001)	TH-232DA	0.88	0.16	1.05	0.00	PCI/G
NEO/2(017)	TH-232DA	1.38	0.22	1.60	0.00	PCI/G
NEO/2(023)	TH-232DA	2.01	0.29	2.30	0.00	PCI/G
NEO/2(026)	TH-232DA	1.26	0.24	1.50	0.00	PCI/G
NEO/2(026)	TH-232DA	1.55	0.25	1.80	0.00	PCI/G
NEO/2(027)	TH-232DA	1.17	0.20	1.37	0.00	PCI/G
NEO/2(028)	TH-232DA	1.12	0.23	1.35	0.00	PCI/G
NEO/2(032)	TH-232DA	1.14	0.25	1.39	0.00	PCI/G
NEO/2(040)	TH-232DA	0.68	0.15	0.83	0.00	PCI/G
NEO/2(047)	TH-232DA	1.19	0.21	1.40	0.00	PCI/G
NEO/2(052)	TH-232DA	0.63	0.17	0.80	0.00	PCI/G
NEO/2(052)	TH-232DA	0.71	0.15	0.85	0.00	PCI/G
NEO/2(053)	TH-232DA	1.24	0.25	1.49	0.00	PCI/G
NEO/2(054)	TH-232DA	1.22	0.25	1.47	0.00	PCI/G
NEO/2(054)	TH-232DA	1.08	0.24	1.32	0.00	PCI/G
NEO/2(061)	TH-232DA	0.99	0.20	1.19	0.00	PCI/G
NEO/2(065)	TH-232DA	1.24	0.22	1.46	0.00	PCI/G
NEO/2(066)	TH-232DA	0.94	0.16	1.11	0.00	PCI/G
NEO/2(070)	TH-232DA	0.77	0.18	0.94	0.00	PCI/G
NEO/2(071)	TH-232DA	1.22	0.19	1.41	0.00	PCI/G
NEO/2(074)	TH-232DA	0.74	0.14	0.88	0.00	PCI/G
NEO/2(076)	TH-232DA	1.91	0.27	2.18	0.00	PCI/G
NEO/2(078)	TH-232DA	0.68	0.15	0.84	0.00	PCI/G
NEO/2(079)	TH-232DA	1.13	0.19	1.32	0.00	PCI/G
NEO/2(087)	TH-232DA	0.81	0.16	0.97	0.00	PCI/G
NEO/2(090)	TH-232DA	2.55	0.37	2.92	0.00	PCI/G
NEO/2(097)	TH-232DA	1.23	0.25	1.48	0.00	PCI/G
NEO/2(102)	TH-232DA	111.00	11.10	122.10	0.00	PCI/G
NEO/2(106)	TH-232DA	0.36	0.10	0.46	0.00	PCI/G
NEO/2(107)	TH-232DA	1.80	0.28	2.08	0.00	PCI/G
NEO/2(111)	TH-232DA	0.75	0.19	0.93	0.00	PCI/G
NEO/2(118)	TH-232DA	4.87	0.60	5.47	0.00	PCI/G
NEO/2(119)	TH-232DA	1.26	0.23	1.49	0.00	PCI/G
NEO/2(120)	TH-232DA	1.17	0.19	1.36	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NE0/2(124)	TH-232DA	1.11	0.24	1.35	0.00	PCI/G
NE0/2(125)	TH-232DA	1.23	0.21	1.44	0.00	PCI/G
NE0/2(141)	TH-232DA	1.13	0.22	1.35	0.00	PCI/G
NE0/2(148)	TH-232DA	1.23	0.25	1.48	0.00	PCI/G
NE0/2(148)	TH-232DA	1.33	0.25	1.58	0.00	PCI/G
NE0/2(163)	TH-232DA	11.60	1.24	12.84	0.00	PCI/G
NE0/2(174)	TH-232DA	0.85	0.19	1.03	0.00	PCI/G
NE0/2(178)	TH-232DA	7.29	0.80	8.09	0.00	PCI/G
NE0/2(182)	TH-232DA	1.12	0.21	1.33	0.00	PCI/G
NE0/2(202)	TH-232DA	9.35	0.99	10.34	0.00	PCI/G
NE0/2(221)	TH-232DA	0.48	0.13	0.60	0.00	PCI/G
NE1/1(023)	TH-232DA	0.19	0.08	0.27	0.16	PCI/G
NE1/1(074)	TH-232DA	0.99	0.19	1.18	0.00	PCI/G
NE1/1(178)	TH-232DA	1.26	0.21	1.47	0.00	PCI/G
NE1/2(023)	TH-232DA	2.22	0.32	2.54	0.00	PCI/G
NW0/1(001)	TH-232DA	0.35	0.13	0.48	0.00	PCI/G
NW0/1(017)	TH-232DA	1.12	0.23	1.35	0.00	PCI/G
NW0/1(023)	TH-232DA	1.25	0.24	1.49	0.00	PCI/G
NW0/1(023)	TH-232DA	1.40	0.23	1.63	0.00	PCI/G
NW0/1(026)	TH-232DA	1.02	0.16	1.18	0.00	PCI/G
NW0/1(028)	TH-232DA	1.27	0.25	1.52	0.00	PCI/G
NW0/1(040)	TH-232DA	1.20	0.20	1.40	0.00	PCI/G
NW0/1(047)	TH-232DA	1.50	0.27	1.77	0.00	PCI/G
NW0/1(052)	TH-232DA	0.45	0.13	0.58	0.00	PCI/G
NW0/1(053)	TH-232DA	1.49	0.25	1.74	0.00	PCI/G
NW0/1(054)	TH-232DA	0.98	0.23	1.21	0.00	PCI/G
NW0/1(061)	TH-232DA	1.25	0.25	1.50	0.00	PCI/G
NW0/1(074)	TH-232DA	1.27	0.23	1.50	0.00	PCI/G
NW0/1(078)	TH-232DA	0.94	0.17	1.12	0.00	PCI/G
NW0/1(079)	TH-232DA	2.56	0.34	2.90	0.00	PCI/G
NW0/1(084)	TH-232DA	7.51	0.83	8.34	0.00	PCI/G
NW0/1(087)	TH-232DA	1.09	0.19	1.28	0.00	PCI/G
NW0/1(091)	TH-232DA	0.27	0.09	0.36	0.00	PCI/G
NW0/1(092)	TH-232DA	7.85	0.88	8.73	0.00	PCI/G
NW0/1(097)	TH-232DA	0.96	0.18	1.14	0.00	PCI/G
NW0/1(100)	TH-232DA	4.44	0.52	4.96	0.00	PCI/G
NW0/1(102)	TH-232DA	19.90	2.07	21.97	0.00	PCI/G
NW0/1(107)	TH-232DA	1.57	0.26	1.83	0.00	PCI/G
NW0/1(108)	TH-232DA	0.41	0.10	0.51	0.00	PCI/G
NW0/1(108)	TH-232DA	0.59	0.14	0.73	0.00	PCI/G
NW0/1(118)	TH-232DA	0.65	0.11	0.76	0.00	PCI/G
NW0/1(124)	TH-232DA	0.50	0.11	0.61	0.00	PCI/G
NW0/1(125)	TH-232DA	0.52	0.13	0.65	0.00	PCI/G
NW0/1(138)	TH-232DA	0.28	0.09	0.37	0.00	PCI/G
NW0/1(141)	TH-232DA	18.70	1.96	20.66	0.00	PCI/G
NW0/1(141)	TH-232DA	21.20	2.16	23.36	0.00	PCI/G
NW0/1(148)	TH-232DA	1.41	0.22	1.63	0.00	PCI/G
NW0/1(148)	TH-232DA	1.15	0.20	1.35	0.00	PCI/G
NW0/1(151)	TH-232DA	1.18	0.20	1.38	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW0/1(161)	TH-232DA	0.40	0.11	0.51	0.00	PCI/G
NW0/1(170)	TH-232DA	0.39	0.13	0.53	0.00	PCI/G
NW0/1(174)	TH-232DA	0.53	0.15	0.68	0.00	PCI/G
NW0/1(178)	TH-232DA	2.47	0.34	2.81	0.00	PCI/G
NW0/1(182)	TH-232DA	0.25	0.14	0.40	0.00	PCI/G
NW0/1(187)	TH-232DA	1.31	0.21	1.52	0.00	PCI/G
NW0/1(196)	TH-232DA	1.33	0.24	1.57	0.00	PCI/G
NW0/1(202)	TH-232DA	0.60	0.13	0.73	0.00	PCI/G
NW0/1(209)	TH-232DA	0.75	0.16	0.91	0.00	PCI/G
NW0/1(221)	TH-232DA	5.04	0.59	5.63	0.00	PCI/G
NW0/1(222)	TH-232DA	0.13	0.07	0.20	0.00	PCI/G
NW0/1(231)	TH-232DA	0.57	0.11	0.69	0.00	PCI/G
NW0/2(001)	TH-232DA	1.68	0.22	1.90	0.00	PCI/G
NW0/2(001)	TH-232DA	1.72	0.23	1.95	0.00	PCI/G
NW0/2(023)	TH-232DA	1.43	0.26	1.69	0.00	PCI/G
NW0/2(028)	TH-232DA	1.15	0.23	1.38	0.00	PCI/G
NW0/2(040)	TH-232DA	1.17	0.22	1.39	0.00	PCI/G
NW0/2(047)	TH-232DA	1.33	0.24	1.57	0.00	PCI/G
NW0/2(052)	TH-232DA	3.23	0.40	3.63	0.00	PCI/G
NW0/2(054)	TH-232DA	1.04	0.21	1.25	0.00	PCI/G
NW0/2(061)	TH-232DA	1.17	0.24	1.41	0.00	PCI/G
NW0/2(074)	TH-232DA	1.22	0.23	1.45	0.00	PCI/G
NW0/2(078)	TH-232DA	1.10	0.20	1.30	0.00	PCI/G
NW0/2(079)	TH-232DA	1.55	0.23	1.78	0.00	PCI/G
NW0/2(084)	TH-232DA	4.32	0.51	4.83	0.00	PCI/G
NW0/2(087)	TH-232DA	1.10	0.22	1.32	0.00	PCI/G
NW0/2(087)	TH-232DA	1.12	0.23	1.35	0.00	PCI/G
NW0/2(091)	TH-232DA	1.37	0.20	1.57	0.00	PCI/G
NW0/2(097)	TH-232DA	0.64	0.17	0.81	0.00	PCI/G
NW0/2(100)	TH-232DA	3.99	0.49	4.48	0.00	PCI/G
NW0/2(102)	TH-232DA	35.20	3.62	38.82	0.00	PCI/G
NW0/2(107)	TH-232DA	0.23	0.07	0.31	0.00	PCI/G
NW0/2(107)	TH-232DA	0.25	0.07	0.32	0.00	PCI/G
NW0/2(108)	TH-232DA	3.25	0.44	3.69	0.00	PCI/G
NW0/2(118)	TH-232DA	5.94	0.66	6.60	0.00	PCI/G
NW0/2(124)	TH-232DA	1.22	0.20	1.42	0.00	PCI/G
NW0/2(125)	TH-232DA	1.24	0.21	1.45	0.00	PCI/G
NW0/2(125)	TH-232DA	1.41	0.22	1.63	0.00	PCI/G
NW0/2(138)	TH-232DA	4.76	0.56	5.32	0.00	PCI/G
NW0/2(141)	TH-232DA	4.20	0.50	4.70	0.00	PCI/G
NW0/2(148)	TH-232DA	1.41	0.22	1.63	0.00	PCI/G
NW0/2(151)	TH-232DA	1.39	0.24	1.63	0.00	PCI/G
NW0/2(161)	TH-232DA	1.67	0.26	1.93	0.00	PCI/G
NW0/2(170)	TH-232DA	1.10	0.25	1.35	0.00	PCI/G
NW0/2(178)	TH-232DA	1.16	0.25	1.41	0.00	PCI/G
NW0/2(182)	TH-232DA	1.02	0.22	1.24	0.00	PCI/G
NW0/2(187)	TH-232DA	1.07	0.21	1.28	0.00	PCI/G
NW0/2(202)	TH-232DA	0.96	0.19	1.15	0.00	PCI/G
NW0/3(061)	TH-232DA	1.05	0.22	1.27	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
NW1/1(023)	TH-232DA	1.25	0.23	1.48	0.00	PCI/G
NW1/1(052)	TH-232DA	2.60	0.34	2.94	0.00	PCI/G
NW1/1(061)	TH-232DA	1.13	0.21	1.34	0.00	PCI/G
NW1/1(118)	TH-232DA	1.04	0.16	1.20	0.00	PCI/G
NW1/1(138)	TH-232DA	2.22	0.31	2.53	0.00	PCI/G
NW1/1(141)	TH-232DA	16.50	1.72	18.22	0.00	PCI/G
NW1/1(148)	TH-232DA	1.05	0.20	1.25	0.00	PCI/G
NW1/1(221)	TH-232DA	2.68	0.33	3.01	0.00	PCI/G
SE0/1(001)	TH-232DA	1.46	0.23	1.69	0.00	PCI/G
SE0/1(009)	TH-232DA	1.17	0.21	1.38	0.00	PCI/G
SE0/1(026)	TH-232DA	1.20	0.23	1.43	0.00	PCI/G
SE0/1(027)	TH-232DA	0.35	0.12	0.47	0.00	PCI/G
SE0/1(031)	TH-232DA	0.25	0.12	0.36	0.00	PCI/G
SE0/1(032)	TH-232DA	1.39	0.19	1.58	0.00	PCI/G
SE0/1(040)	TH-232DA	0.76	0.15	0.91	0.00	PCI/G
SE0/1(044)	TH-232DA	1.06	0.20	1.26	0.00	PCI/G
SE0/1(047)	TH-232DA	1.00	0.21	1.21	0.00	PCI/G
SE0/1(052)	TH-232DA	0.21	0.10	0.31	0.00	PCI/G
SE0/1(061)	TH-232DA	0.90	0.14	1.04	0.00	PCI/G
SE0/1(065)	TH-232DA	0.40	0.10	0.50	0.00	PCI/G
SE0/1(076)	TH-232DA	0.80	0.15	0.95	0.00	PCI/G
SE0/1(083)	TH-232DA	0.82	0.15	0.96	0.00	PCI/G
SE0/1(085)	TH-232DA	16.50	1.70	18.20	0.00	PCI/G
SE0/1(087)	TH-232DA	6.90	0.76	7.66	0.00	PCI/G
SE0/1(090)	TH-232DA	0.22	0.09	0.30	0.00	PCI/G
SE0/1(097)	TH-232DA	1.08	0.21	1.29	0.00	PCI/G
SE0/1(106)	TH-232DA	0.32	0.09	0.42	0.00	PCI/G
SE0/1(107)	TH-232DA	0.27	0.09	0.36	0.00	PCI/G
SE0/1(111)	TH-232DA	22.00	2.28	24.28	0.00	PCI/G
SE0/1(118)	TH-232DA	6.65	0.77	7.42	0.00	PCI/G
SE0/1(124)	TH-232DA	0.15	0.07	0.22	0.00	PCI/G
SE0/1(138)	TH-232DA	1.33	0.25	1.58	0.00	PCI/G
SE0/1(141)	TH-232DA	2.02	0.29	2.31	0.00	PCI/G
SE0/1(148)	TH-232DA	0.72	0.18	0.90	0.00	PCI/G
SE0/1(151)	TH-232DA	2.81	0.40	3.21	0.00	PCI/G
SE0/1(161)	TH-232DA	1.10	0.18	1.28	0.00	PCI/G
SE0/1(161)	TH-232DA	1.18	0.21	1.39	0.00	PCI/G
SE0/1(174)	TH-232DA	0.30	0.07	0.37	0.00	PCI/G
SE0/1(178)	TH-232DA	0.29	0.10	0.38	0.00	PCI/G
SE0/1(182)	TH-232DA	0.27	0.08	0.34	0.00	PCI/G
SE0/1(187)	TH-232DA	0.19	0.07	0.26	0.14	PCI/G
SE0/1(196)	TH-232DA	1.03	0.18	1.21	0.00	PCI/G
SE0/1(202)	TH-232DA	0.49	0.12	0.60	0.00	PCI/G
SE0/1(209)	TH-232DA	0.12	0.05	0.17	0.10	PCI/G
SE0/1(231)	TH-232DA	1.01	0.18	1.19	0.00	PCI/G
SE0/2(001)	TH-232DA	1.32	0.21	1.53	0.00	PCI/G
SE0/2(027)	TH-232DA	2.16	0.30	2.46	0.00	PCI/G
SE0/2(031)	TH-232DA	1.21	0.22	1.43	0.00	PCI/G
SE0/2(031)	TH-232DA	0.35	0.12	0.47	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SE0/2(032)	TH-232DA	1.83	0.29	2.12	0.00	PCI/G
SE0/2(040)	TH-232DA	2.20	0.30	2.50	0.00	PCI/G
SE0/2(044)	TH-232DA	1.53	0.27	1.80	0.00	PCI/G
SE0/2(047)	TH-232DA	1.51	0.24	1.75	0.00	PCI/G
SE0/2(052)	TH-232DA	6.25	0.71	6.96	0.00	PCI/G
SE0/2(061)	TH-232DA	11.80	1.26	13.06	0.00	PCI/G
SE0/2(065)	TH-232DA	0.99	0.16	1.15	0.00	PCI/G
SE0/2(076)	TH-232DA	1.36	0.23	1.59	0.00	PCI/G
SE0/2(085)	TH-232DA	4.95	0.60	5.55	0.00	PCI/G
SE0/2(087)	TH-232DA	4.21	0.49	4.70	0.00	PCI/G
SE0/2(090)	TH-232DA	5.27	0.61	5.88	0.00	PCI/G
SE0/2(097)	TH-232DA	1.21	0.26	1.47	0.00	PCI/G
SE0/2(106)	TH-232DA	0.57	0.13	0.70	0.00	PCI/G
SE0/2(107)	TH-232DA	1.83	0.25	2.08	0.00	PCI/G
SE0/2(111)	TH-232DA	6.11	0.69	6.80	0.00	PCI/G
SE0/2(118)	TH-232DA	1.73	0.27	2.00	0.00	PCI/G
SE0/2(124)	TH-232DA	0.88	0.16	1.05	0.00	PCI/G
SE0/2(138)	TH-232DA	2.40	0.33	2.73	0.00	PCI/G
SE0/2(141)	TH-232DA	1.57	0.24	1.81	0.00	PCI/G
SE0/2(148)	TH-232DA	0.29	0.12	0.41	0.00	PCI/G
SE0/2(151)	TH-232DA	1.34	0.24	1.58	0.00	PCI/G
SE0/2(161)	TH-232DA	1.24	0.22	1.46	0.00	PCI/G
SE0/2(178)	TH-232DA	1.02	0.20	1.22	0.00	PCI/G
SE0/2(182)	TH-232DA	0.43	0.11	0.53	0.00	PCI/G
SE0/2(196)	TH-232DA	1.65	0.26	1.91	0.00	PCI/G
SE0/2(202)	TH-232DA	1.23	0.21	1.44	0.00	PCI/G
SE0/3(052)	TH-232DA	1.87	0.30	2.17	0.00	PCI/G
SE0/3(065)	TH-232DA	0.94	0.20	1.14	0.00	PCI/G
SE0/3(076)	TH-232DA	0.76	0.17	0.92	0.00	PCI/G
SE1/1(076)	TH-232DA	1.02	0.20	1.22	0.00	PCI/G
SE1/1(083)	TH-232DA	1.12	0.21	1.33	0.00	PCI/G
SW0/1(006)	TH-232DA	1.14	0.20	1.34	0.00	PCI/G
SW0/1(026)	TH-232DA	1.60	0.28	1.88	0.00	PCI/G
SW0/1(047)	TH-232DA	1.07	0.29	1.36	0.00	PCI/G
SW0/1(047)	TH-232DA	1.17	0.21	1.38	0.00	PCI/G
SW0/1(061)	TH-232DA	1.68	0.27	1.95	0.00	PCI/G
SW0/1(074)	TH-232DA	1.13	0.22	1.35	0.00	PCI/G
SW0/1(097)	TH-232DA	0.98	0.20	1.18	0.00	PCI/G
SW0/1(111)	TH-232DA	1.04	0.18	1.22	0.00	PCI/G
SW0/1(124)	TH-232DA	0.80	0.14	0.95	0.00	PCI/G
SW0/1(141)	TH-232DA	0.50	0.12	0.62	0.00	PCI/G
SW0/1(148)	TH-232DA	0.38	0.13	0.51	0.00	PCI/G
SW0/1(170)	TH-232DA	0.18	0.13	0.32	0.00	PCI/G
SW0/1(178)	TH-232DA	0.22	0.07	0.29	0.00	PCI/G
SW0/1(182)	TH-232DA	0.44	0.12	0.56	0.00	PCI/G
SW0/1(185)	TH-232DA	4.95	0.58	5.53	0.00	PCI/G
SW0/1(185)	TH-232DA	0.34	0.09	0.44	0.00	PCI/G
SW0/1(196)	TH-232DA	1.58	0.26	1.84	0.00	PCI/G
SW0/1(202)	TH-232DA	0.50	0.12	0.62	0.00	PCI/G

A.11. Summary Data of Gamma Spectroscopic Analysis of Surrounding Soils

Sample ID	Isotope	Result	Total Error	Result + Error	MDA	Unit
SW0/1(209)	TH-232DA	0.08	0.05	0.13	0.00	PCI/G
SW0/1(221)	TH-232DA	4.25	0.51	4.76	0.00	PCI/G
SW0/1(231)	TH-232DA	0.31	0.11	0.42	0.00	PCI/G
SW0/2(006)	TH-232DA	1.27	0.22	1.49	0.00	PCI/G
SW0/2(047)	TH-232DA	1.06	0.24	1.30	0.00	PCI/G
SW0/2(061)	TH-232DA	0.96	0.19	1.15	0.00	PCI/G
SW0/2(074)	TH-232DA	1.13	0.22	1.35	0.00	PCI/G
SW0/2(097)	TH-232DA	1.54	0.26	1.80	0.00	PCI/G
SW0/2(111)	TH-232DA	62.40	6.28	68.68	0.00	PCI/G
SW0/2(124)	TH-232DA	1.19	0.21	1.40	0.00	PCI/G
SW0/2(148)	TH-232DA	0.77	0.27	1.05	0.00	PCI/G
SW0/2(148)	TH-232DA	1.06	0.20	1.26	0.00	PCI/G
SW0/2(170)	TH-232DA	1.18	0.25	1.43	0.00	PCI/G
SW0/2(178)	TH-232DA	1.52	0.23	1.75	0.00	PCI/G
SW0/2(178)	TH-232DA	1.53	0.23	1.76	0.00	PCI/G
SW0/2(182)	TH-232DA	1.36	0.27	1.63	0.00	PCI/G
SW0/2(196)	TH-232DA	1.29	0.24	1.53	0.00	PCI/G
SW0/2(202)	TH-232DA	1.22	0.22	1.44	0.00	PCI/G
SW0/2(202)	TH-232DA	1.42	0.24	1.66	0.00	PCI/G
SW0/2(221)	TH-232DA	1.43	0.24	1.67	0.00	PCI/G

A.12. Summary Data of Alpha Spectroscopic Analyses of Surrounding Soils

A.12. Summary of Alpha Spectroscopic Analysis of Surrounding Soils

Sample Id	Isotope	Result	Total error	Result + Error	MDA	Unit
CC0/2(047)	CS-137DA	0.04	0.05	0.09	0.00	PCI/G
NE0/1(078)	CS-137DA	0.04	0.03	0.08	0.00	PCI/G
NE0/2(107)	CS-137DA	0.25	0.05	0.30	0.00	PCI/G
NW0/1(023)	CS-137DA	0.09	0.05	0.14	0.00	PCI/G
NW0/1(023)	CS-137DA	0.07	0.04	0.11	0.00	PCI/G
NW0/2(161)	CS-137DA	0.09	0.03	0.12	0.05	PCI/G
NW1/1(148)	CS-137DA	0.22	0.05	0.26	0.00	PCI/G
SE0/1(065)	CS-137DA	0.09	0.03	0.13	0.00	PCI/G
SE0/3(052)	CS-137DA	0.10	0.05	0.14	0.00	PCI/G
CC0/1(052)	PU-238	2.15	0.61	2.76	0.02	PCI/G
CC0/1(187)	PU-238	0.07	0.06	0.13	0.04	PCI/G
CC0/2(047)	PU-238	0.23	0.08	0.30	0.02	PCI/G
CC0/2(076)	PU-238	0.03	0.02	0.05	0.02	PCI/G
NE0/1(023)	PU-238	0.22	0.12	0.34	0.06	PCI/G
NE0/1(078)	PU-238	0.38	0.12	0.50	0.04	PCI/G
NE0/1(078)	PU-238	0.35	0.11	0.46	0.02	PCI/G
NE0/1(196)	PU-238	0.10	0.06	0.15	0.03	PCI/G
NE0/2(107)	PU-238	1.59	0.63	2.22	0.14	PCI/G
NE1/1(023)	PU-238	0.13	0.09	0.21	0.03	PCI/G
NE1/1(023)	PU-238	0.16	0.14	0.30	0.12	PCI/G
NW0/1(023)	PU-238	0.14	0.06	0.20	0.03	PCI/G
NW0/1(138)	PU-238	0.39	0.15	0.54	0.05	PCI/G
NW0/2(161)	PU-238	0.07	0.07	0.15	0.07	PCI/G
NW1/1(148)	PU-238	15.90	2.85	18.75	0.03	PCI/G
SE0/1(065)	PU-238	2.62	0.54	3.16	0.03	PCI/G
SE0/1(083)	PU-238	0.33	0.20	0.53	0.06	PCI/G
SE0/3(052)	PU-238	6.17	1.94	8.11	0.11	PCI/G
CC0/2(076)	PU239/40	0.23	0.10	0.33	0.03	PCI/G
NW1/1(148)	PU239/40	0.17	0.07	0.24	0.03	PCI/G
CC0/1(187)	RA-224DA	0.31	0.07	0.38	0.00	PCI/G
CC0/2(047)	RA-224DA	1.22	0.14	1.36	0.00	PCI/G
CC0/2(076)	RA-224DA	0.99	0.12	1.10	0.00	PCI/G
NE0/1(023)	RA-224DA	0.12	0.03	0.16	0.00	PCI/G
NE0/1(078)	RA-224DA	0.68	0.08	0.77	0.00	PCI/G
NE0/1(196)	RA-224DA	1.42	0.16	1.58	0.00	PCI/G
NE0/2(107)	RA-224DA	1.98	0.22	2.20	0.00	PCI/G
NW0/1(023)	RA-224DA	1.42	0.17	1.59	0.00	PCI/G

A.12. Summary of Alpha Spectroscopic Analysis of Surrounding Soils

Sample Id	Isotope	Result	Total error	Result + Error	MDA	Unit
NW0/1(023)	RA-224DA	1.40	0.16	1.56	0.00	PCI/G
NW0/1(138)	RA-224DA	0.30	0.05	0.35	0.00	PCI/G
NW0/2(161)	RA-224DA	1.80	0.20	2.00	0.00	PCI/G
NW1/1(148)	RA-224DA	1.11	0.13	1.24	0.00	PCI/G
SE0/1(065)	RA-224DA	0.35	0.05	0.41	0.00	PCI/G
SE0/3(052)	RA-224DA	2.02	0.22	2.24	0.00	PCI/G
CC0/1(187)	RA-226DA	0.35	0.07	0.42	0.00	PCI/G
CC0/2(047)	RA-226DA	0.90	0.13	1.03	0.00	PCI/G
CC0/2(076)	RA-226DA	1.03	0.14	1.17	0.00	PCI/G
NE0/1(023)	RA-226DA	0.28	0.05	0.33	0.10	PCI/G
NE0/1(078)	RA-226DA	0.64	0.10	0.74	0.00	PCI/G
NE0/1(196)	RA-226DA	1.21	0.17	1.38	0.00	PCI/G
NE0/2(107)	RA-226DA	0.83	0.13	0.96	0.00	PCI/G
NW0/1(023)	RA-226DA	1.09	0.16	1.25	0.00	PCI/G
NW0/1(023)	RA-226DA	1.20	0.17	1.37	0.00	PCI/G
NW0/1(138)	RA-226DA	0.33	0.05	0.38	0.10	PCI/G
NW0/2(161)	RA-226DA	1.28	0.17	1.45	0.00	PCI/G
NW1/1(148)	RA-226DA	0.97	0.14	1.11	0.00	PCI/G
SE0/1(065)	RA-226DA	0.40	0.07	0.46	0.00	PCI/G
SE0/3(052)	RA-226DA	0.93	0.14	1.07	0.00	PCI/G
CC0/1(187)	TH-232DA	0.40	0.11	0.50	0.00	PCI/G
CC0/2(047)	TH-232DA	1.34	0.23	1.57	0.00	PCI/G
CC0/2(076)	TH-232DA	0.91	0.18	1.09	0.00	PCI/G
NE0/1(023)	TH-232DA	0.17	0.06	0.23	0.13	PCI/G
NE0/1(078)	TH-232DA	0.73	0.15	0.88	0.00	PCI/G
NE0/1(196)	TH-232DA	1.23	0.23	1.46	0.00	PCI/G
NE0/2(107)	TH-232DA	1.80	0.28	2.08	0.00	PCI/G
NW0/1(023)	TH-232DA	1.40	0.23	1.63	0.00	PCI/G
NW0/1(023)	TH-232DA	1.25	0.24	1.49	0.00	PCI/G
NW0/1(138)	TH-232DA	0.28	0.09	0.37	0.00	PCI/G
NW0/2(161)	TH-232DA	1.67	0.26	1.93	0.00	PCI/G
NW1/1(148)	TH-232DA	1.05	0.20	1.25	0.00	PCI/G
SE0/1(065)	TH-232DA	0.40	0.10	0.50	0.00	PCI/G

A.12. Summary of Alpha Spectroscopic Analysis of Surrounding Soils

Sample Id	Isotope	Result	Total error	Result + Error	MDA	Unit
SE0/3(052)	TH-232DA	1.87	0.30	2.17	0.00	PCI/G
CC0/1(052)	TH228	0.32	0.11	0.42	0.03	PCI/G
CC0/1(187)	TH228	0.29	0.10	0.39	0.04	PCI/G
CC0/2(047)	TH228	1.00	0.20	1.20	0.02	PCI/G
CC0/2(047)	TH228	1.10	0.20	1.30	0.01	PCI/G
CC0/2(076)	TH228	0.94	0.18	1.13	0.03	PCI/G
CC0/2(202)	TH228	1.20	0.24	1.44	0.05	PCI/G
CC1/2(202)	TH228	1.07	0.21	1.28	0.04	PCI/G
NE0/1(023)	TH228	0.22	0.07	0.29	0.02	PCI/G
NE0/1(078)	TH228	0.70	0.15	0.85	0.02	PCI/G
NE0/1(196)	TH228	0.40	0.12	0.52	0.03	PCI/G
NE0/2(107)	TH228	1.66	0.32	1.98	0.06	PCI/G
NE1/1(023)	TH228	0.17	0.06	0.23	0.03	PCI/G
NW0/1(023)	TH228	0.63	0.16	0.79	0.04	PCI/G
NW0/1(138)	TH228	0.21	0.06	0.27	0.02	PCI/G
NW0/2(161)	TH228	1.44	0.25	1.69	0.03	PCI/G
NW1/1(148)	TH228	1.21	0.23	1.44	0.04	PCI/G
SE0/1(065)	TH228	0.37	0.09	0.45	0.02	PCI/G
SE0/1(083)	TH228	0.80	0.19	0.99	0.06	PCI/G
SE0/3(052)	TH228	1.92	0.32	2.24	0.03	PCI/G
SE1/1(083)	TH228	0.99	0.21	1.20	0.04	PCI/G
CC0/1(052)	TH230	0.46	0.13	0.59	0.02	PCI/G
CC0/1(187)	TH230	0.55	0.16	0.71	0.03	PCI/G
CC0/2(047)	TH230	0.97	0.19	1.16	0.01	PCI/G
CC0/2(047)	TH230	1.06	0.20	1.26	0.02	PCI/G
CC0/2(076)	TH230	1.07	0.20	1.27	0.02	PCI/G
CC0/2(202)	TH230	1.50	0.28	1.78	0.02	PCI/G
CC1/2(202)	TH230	1.23	0.23	1.46	0.02	PCI/G
NE0/1(023)	TH230	0.52	0.12	0.64	0.01	PCI/G
NE0/1(078)	TH230	0.82	0.16	0.99	0.01	PCI/G
NE0/1(196)	TH230	1.30	0.25	1.55	0.03	PCI/G
NE0/2(107)	TH230	1.09	0.23	1.32	0.03	PCI/G
NE1/1(023)	TH230	0.56	0.12	0.68	0.02	PCI/G
NW0/1(023)	TH230	1.47	0.45	1.92	0.02	PCI/G
NW0/1(023)	TH230	0.89	0.20	1.09	0.03	PCI/G
NW0/1(138)	TH230	0.40	0.10	0.50	0.02	PCI/G
NW0/2(161)	TH230	1.38	0.24	1.62	0.02	PCI/G
NW1/1(148)	TH230	1.05	0.20	1.25	0.02	PCI/G

A.12. Summary of Alpha Spectroscopic Analysis of Surrounding Soils

Sample Id	Isotope	Result	Total error	Result + Error	MDA	Unit
SE0/1(065)	TH230	0.46	0.10	0.56	0.02	PCI/G
SE0/1(083)	TH230	0.72	0.18	0.90	0.04	PCI/G
SE0/3(052)	TH230	1.12	0.21	1.33	0.02	PCI/G
SE1/1(083)	TH230	1.08	0.22	1.30	0.03	PCI/G
CC0/1(052)	TH232	0.30	0.10	0.39	0.02	PCI/G
CC0/1(187)	TH232	0.35	0.12	0.47	0.03	PCI/G
CC0/2(047)	TH232	0.99	0.20	1.18	0.02	PCI/G
CC0/2(047)	TH232	1.10	0.20	1.30	0.02	PCI/G
CC0/2(076)	TH232	0.86	0.17	1.03	0.01	PCI/G
CC0/2(202)	TH232	1.20	0.24	1.44	0.03	PCI/G
CC1/2(202)	TH232	0.97	0.19	1.16	0.02	PCI/G
NE0/1(023)	TH232	0.20	0.07	0.27	0.02	PCI/G
NE0/1(078)	TH232	0.72	0.15	0.86	0.02	PCI/G
NE0/1(196)	TH232	0.95	0.20	1.15	0.02	PCI/G
NE0/2(107)	TH232	1.79	0.33	2.12	0.03	PCI/G
NE1/1(023)	TH232	0.23	0.07	0.30	0.02	PCI/G
NW0/1(023)	TH232	0.86	0.19	1.05	0.02	PCI/G
NW0/1(023)	TH232	1.33	0.29	1.62	0.02	PCI/G
NW0/1(138)	TH232	0.34	0.09	0.44	0.01	PCI/G
NW0/2(161)	TH232	1.34	0.23	1.57	0.01	PCI/G
NW1/1(148)	TH232	0.93	0.19	1.11	0.03	PCI/G
SE0/1(065)	TH232	0.44	0.10	0.54	0.01	PCI/G
SE0/1(083)	TH232	0.77	0.18	0.96	0.04	PCI/G
SE0/3(052)	TH232	1.84	0.30	2.14	0.01	PCI/G
SE1/1(083)	TH232	0.89	0.19	1.08	0.03	PCI/G
CC0/1(052)	U-234	0.38	0.22	0.60	0.10	PCI/G
CC0/1(187)	U-234	0.33	0.13	0.46	0.05	PCI/G
CC0/2(047)	U-234	1.56	2.94	4.50	0.07	PCI/G
CC0/2(047)	U-234	0.89	0.29	1.18	0.06	PCI/G
CC0/2(076)	U-234	0.92	0.23	1.16	0.04	PCI/G
CC0/2(202)	U-234	1.08	0.25	1.33	0.03	PCI/G
CC1/2(202)	U-234	0.70	0.22	0.92	0.06	PCI/G
NE0/1(023)	U-234	0.39	0.12	0.51	0.04	PCI/G
NE0/1(078)	U-234	0.71	0.21	0.91	0.04	PCI/G
NE0/1(196)	U-234	0.88	0.29	1.16	0.07	PCI/G
NE0/2(107)	U-234	0.74	0.18	0.92	0.03	PCI/G
NE1/1(023)	U-234	0.40	0.13	0.53	0.05	PCI/G
NW0/1(023)	U-234	0.57	0.34	0.91	0.04	PCI/G
NW0/1(023)	U-234	0.84	0.22	1.06	0.05	PCI/G

A.12. Summary of Alpha Spectroscopic Analysis of Surrounding Soils

Sample Id	Isotope	Result	Total error	Result + Error	MDA	Unit
NW0/1(138)	U-234	0.33	0.10	0.43	0.03	PCI/G
NW0/2(161)	U-234	0.85	0.23	1.08	0.05	PCI/G
NW1/1(148)	U-234	1.09	0.28	1.37	0.04	PCI/G
SE0/1(065)	U-234	0.39	0.18	0.57	0.10	PCI/G
SE0/1(083)	U-234	0.62	0.17	0.78	0.03	PCI/G
SE0/3(052)	U-234	1.08	0.45	1.53	0.14	PCI/G
SE1/1(083)	U-234	0.84	0.22	1.06	0.04	PCI/G
CC0/2(047)	U-235	0.07	0.06	0.13	0.05	PCI/G
CC0/2(202)	U-235	0.06	0.04	0.10	0.03	PCI/G
NE0/1(023)	U-235	0.03	0.03	0.06	0.03	PCI/G
NE0/1(078)	U-235	0.02	0.03	0.05	0.02	PCI/G
NW0/1(023)	U-235	0.07	0.05	0.11	0.04	PCI/G
NW0/2(161)	U-235	0.06	0.04	0.10	0.03	PCI/G
SE0/3(052)	U-235	0.09	0.09	0.18	0.06	PCI/G
CC0/1(052)	U-238DA	0.42	0.23	0.65	0.11	PCI/G
CC0/1(187)	U-238DA	0.25	0.11	0.37	0.04	PCI/G
CC0/2(047)	U-238DA	1.21	0.36	1.57	0.05	PCI/G
CC0/2(047)	U-238DA	0.78	0.27	1.05	0.06	PCI/G
CC0/2(076)	U-238DA	0.82	0.21	1.03	0.03	PCI/G
CC0/2(202)	U-238DA	1.16	0.27	1.43	0.03	PCI/G
CC1/2(202)	U-238DA	0.96	0.28	1.25	0.06	PCI/G
NE0/1(023)	U-238DA	0.48	0.14	0.62	0.03	PCI/G
NE0/1(078)	U-238DA	0.58	0.18	0.76	0.03	PCI/G
NE0/1(196)	U-238DA	0.82	0.27	1.09	0.05	PCI/G
NE0/2(107)	U-238DA	0.74	0.18	0.92	0.03	PCI/G
NE1/1(023)	U-238DA	0.41	0.14	0.54	0.04	PCI/G
NW0/1(023)	U-238DA	0.57	0.38	0.95	0.03	PCI/G
NW0/1(023)	U-238DA	1.05	0.26	1.31	0.04	PCI/G
NW0/1(138)	U-238DA	0.45	0.13	0.57	0.02	PCI/G
NW0/2(161)	U-238DA	1.23	0.30	1.53	0.05	PCI/G
NW1/1(148)	U-238DA	1.11	0.28	1.39	0.04	PCI/G
SE0/1(065)	U-238DA	0.36	0.17	0.52	0.06	PCI/G
SE0/1(083)	U-238DA	0.55	0.16	0.70	0.03	PCI/G
SE0/3(052)	U-238DA	0.73	0.33	1.06	0.09	PCI/G
SE1/1(083)	U-238DA	0.84	0.22	1.06	0.03	PCI/G