300502-0610300002

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

CH2MHILL

SMO-436/06
July 19, 2006

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

ATTENTION: Paul Lucas

SUBJECT: **Contract No. DE-AC24-03OH20152:** Deliverable #39 Potential release site and removal action documentation; Section B.5 Items Excluded from Target Cost; PRS 66 OSC Report Addendum 1, Final

Dear Mr. Pfister:

Attached is the following Final document for your records.

- PRS 66 OSC Report Addendum 1, Final

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

Sincerely,

Michael D. Ebben
Site Manager

ME/jg

Enclosures

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

PRS 66
REMOVAL ACTION
OSC REPORT

ADDENDUM 1

This addendum closes PRS 442 & 66 West

July 2006

Final

Department of Energy
Miamisburg Closure Project

CH2MHILL

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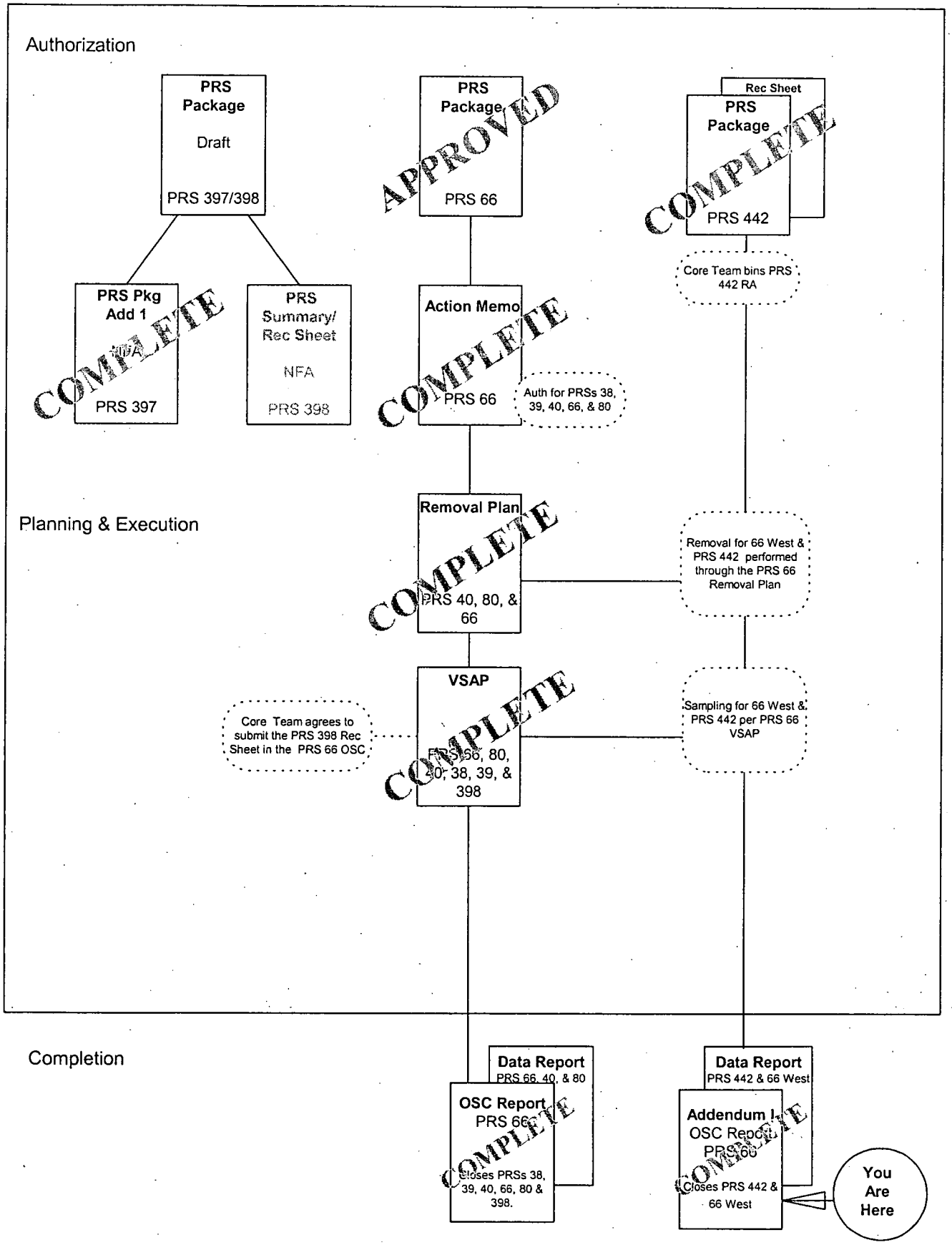
PRS 66

Includes: PRSs 66, 38, 39, 40, 80, & 398



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Attachment A Data Report
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Acronyms

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

RECOMMENDATION: PRS 442 & 66 West

The PRS 442 and 66 West Removal Actions (authorized via the PRS 66 Action Memorandum, December 2002, Final) were performed as a result of historical knowledge and processes, and radiological surveys and soil sample results which showed elevated levels of several isotopes, primarily Pu-238, Th-232, and U-238.

Contaminated soil was excavated per the PRS 66 Action Memo and the PRS 66 Work Plan (PRS 66 (Including PRS 80/40) Removal Work Package, Final, January 2003). Verification sampling and analysis was performed in accordance with the PRS 66 (including 80/40/38/39/398) VSAP, Final, Revision 1, October 2003 to demonstrate that the remaining soil meets the cleanup criteria.

These removal actions were successfully completed and resulted in the excavation and disposal of approximately 56,036 cubic yards (cy) of radioactively contaminated soil/debris (for disposal at Envirocare).

The contaminants of concern (COCs) include Pu-238 and Th-232 (for 66 West) and Th-232, U-238, and Ra-226 (for PRS 442). All results meet the cleanup criteria.

After a thorough review of the information contained within this addendum to the PRS 66 OSC Report, the Core Team agrees that the PRS 442 and 66 West Removal Actions are complete, and that all previously existing environmental issues associated with them have been resolved.

Note: Characterization sampling under Building 61 was performed to bound the PRS 442 excavation.

Paul 7/6/06

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

7/6/06

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

7/6/06

Brian Nickel, Project Manager
OEPA
Dayton, Ohio

1.0 SUMMARY OF EVENTS

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

1.1 Site Conditions and Background

Background. Potential Release Site (PRS) 442 and 66 West are historic fill areas adjacent to PRS 66. This OSC Report closes PRS 442 and 66 West.

Removal Action. The PRS 442 and 66 West RAs were authorized via the Action Memorandum-Engineering Evaluation/Cost Analysis (EE/CA) for PRS 66 [PRS 66 (including PRS 80/40) Action Memo EE/CA, December 2002, Final. The RAs were performed in accordance with the PRS 66 Work Plan (PRS 66 (Including PRS 80/40) Removal Work Package, Final, January 2003). The level of radiological contamination present at PRS 442 and 66 West warranted a RA under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act). The locations of PRS 442 and 66 West are shown on Figure 1 of Appendix A (A7/192).

Verification sampling and analysis were performed in accordance with the PRS 66 (including 80/40/38/39/398) VSAP, Final, Revision 1, October 2003. Verification sampling was performed and the results demonstrate that the remaining soil meets the COs.

Since the Department of Energy (DOE) is the sole responsible party for verification of PRS 442 and 66 West, no Potentially Responsible Parties (PRPs) were sought to clean up the site. Monsanto Research Corporation, EG&G Mound Applied Technologies, and BWXT of Ohio, Inc were the operating contractors at the site from 1948 to 30 September 1988, from 1 October 1988 until 30 September 1997, and from 1 October 1997 until 31 December 2002 respectively. CH2M Hill Mound, Inc. became the site contractor for the Miamisburg Closure Project (MCP) effective January 1, 2003.

1.2 Organization of the Removal Actions

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

Table 1: Organization of the Removal Action

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

1.3 Objectives

Documentation Objective. The objectives of this OSC Report are to describe the RA fieldwork and document successful completion of the projects. Material quantities, disposition locations, and project costs are included in Tables 2 and 3.

Table 2: Materials and Disposition

Type of Material	Quantity (cy)	Disposal Method	Disposal Location
Contaminated soil/debris – PRS 442	22,065	Rail transport	Envirocare of Utah
Contaminated soil/debris - 66 West	33,971	Rail transport	Envirocare of Utah

Table 3: Removal Cost

Cost Category	Cost (PRS 442)	Cost (66 West)
Planning/Fieldwork/ Restoration/grading/seeding	$734,451	$290,799
Subcontractors (Verification Sampling, Analyses, & Data Validation)		
Closure Documentation		
Transportation/Disposal of Contaminated Soil	$2,537,475	$3,906,665
Estimated Total Project Cost	**$3,271,926**	**$4,197,464**

Cleanup Criteria. Contaminants of concern (COCs) and COs for PRS 442 and 66 West are identified in Table 4. Characterization sampling under Building 61 was performed to bound the PRS 442 excavation.

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

There were no sample results that exceeded the cleanup criteria for any analyte.

Table 4: Cleanup Objectives (pCi/g)

COC	Location	Cleanup Objective	Hot Spot Criteria
Plutonium-238	66 West	55	165
Thorium-232	PRS 442 & 66 West	2.1	3.5
Radium-226	PRS 442	2.9	4.7
Uranium-238	PRS 442	2.2	4.2

Cleanup Objective. All final verification results (except Bi-214 and Thallium-208 (Tl-208)) were below their respective COs as identified in the Data Report, Tables 1-2 (see A15/192).

The Bi-214 10^{-5} Risk-Based Guideline Value (RBGV) based on the most conservative of Construction Worker and Site Employee scenarios is 1.17 pCi/g and is not inclusive of background or daughter product activity. Two verification results for Bi-214 of 1.23 and 1.28 pCi/g exceeded the RBGV of 1.17 pCi/g. Bi-214 is a daughter product in equilibrium with its parent U-238. The CO for U-238 accounts for daughter product activity; therefore, these results are not considered significant and are not evaluated further.

The Tl-208 10^{-5} RBGV based on the most conservative of Construction Worker and Site Employee scenarios is 0.498 pCi/g and is not inclusive of background or daughter product activity. Six verification results for Tl-208 ranging from 0.5 to 0.8 pCi/g exceeded the RBGV of 0.498 pCi/g. Tl-208 is a daughter product in equilibrium with its parent Th-232. The CO for Th-232 accounts for daughter product activity; therefore, these results are not considered significant and are not evaluated further.

Hot Spot Criteria. The Hot Spot criteria for the COCs are presented in Table 4 above. There were no sample results that exceeded the hot spot criteria for any analyte.

1.4 Chronological Narrative of the Removal Actions

Table 5 presents a chronological narrative of events surrounding the RAs.

Table 5: Chronology of RAs

Timeframe	Activity
December 2002	PRS 66 Action Memorandum approved, includes PRSs 38, 39, 40, 66, 80
January 2003	PRS 66 Removal Plan approved
September 2005-March 2006	RA fieldwork and excavation
March – April 2006	Verification sampling & analysis
September 2005	PRS 66 OSC Report finalized
June 2006	PRS 66 Addendum 1 prepared

2.0 EFFECTIVENESS OF THE REMOVAL ACTIONS

The PRS 442 and 66 West removal actions are complete, and the objectives of the Action Memorandum have been met. The limits of verification are identified on Figures 2 and 3 (see A8/192). Results of verification sampling and analysis are provided in Attachment A.

2.1 Actions Taken by Mound Personnel

CH2M Hill Mound, Inc. personnel planned and performed removal action oversight, and performed excavation, monitoring, sampling and analyses, and documentation. The project met the removal action objectives (Section 1.3), as outlined in the Action Memorandum.

2.2 Actions Taken by Local, State, and Federal Agencies

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

2.3 Actions Taken by Subcontractors

Subcontractors involved in the project included:

- Weston Solutions Inc. (Miamisburg, Ohio) - performed site soil sampling and data management.
- Severn Trent Laboratory (St. Louis, MO) – analyzed verification samples.
- Envirocare (Clive, Utah) - disposal of radiologically contaminated waste via rail transport.
- SK Construction (Middletown, OH) – provided restoration support (placed backfill material).

3.0 DIFFICULTIES ENCOUNTERED

3.1 Items that Affect the Removal Actions

No difficulties were encountered during the removal actions.

3.2 Issues of Intergovernmental Coordination

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

4.0 RECOMMENDATIONS

4.1 Means to Prevent a Recurrence

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

ATTACHMENT A

DATA REPORT

DATA REPORT

PRS 442 & 66 West

July 2006

Rev. 0

Department of Energy

Miamisburg Closure Project

CH2MHILL

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Figure 3: PRS 442 Sampling Locations

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Figure 7: Building 61 Sample Locations

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Table 1: PRS 442 Offsite Verification Results

Table 2: 66 West Offsite Verification Results

Table 3: Building 61 Onsite Characterization Results

Appendices

Appendix A Figures

Appendix B Tables

Appendix C Soil Analysis Reports

Appendix D Walkover Surveys

Appendix E Data Review & Validation

Appendix F Building 61 Sample Plan

Acronyms

pCi/g	picoCuries per gram
PRS	Potential Release Site
QC	quality control
RA	removal action
R&V	review and validation
VSAP	Verification Sampling and Analysis Plan

1.0 PURPOSE

This Data Report provides documentation of the following sampling activities:

- PRS 442 and 66 West (conducted in accordance with the PRS 66 VSAP, Final, Revision 1, October 2003)
- Building 61 Soils characterization (conducted in accordance with regulator agreement presented in Appendix F)

The locations of PRS 442, 66 West, and Building 61 are shown on Figure 1.

The purposes of this Data Report are to:

- document any variances to the VSAP or characterization plan,
- present analytical data, and
- provide documentation of data review and validation.

2.0 DOCUMENT ORGANIZATION / SUMMARY

This Data Report includes verification of PRS 442 and 66 West, and characterization of Building 61 soil. Unless otherwise specified as a variance, sampling and analyses were conducted in accordance with the VSAP or characterization plan, as listed above.

3.0 FIELD ACTIVITIES

3.1 PRS 442

The Core Team-approved Sketch for PRS 442 is shown on Figure 2. Verification and preverification sampling locations for PRS 442 are shown on Figure 3. Sampling occurred in March and April 2006. Preverification samples were submitted to the Mound Soil Screening Laboratory for long count gamma spec analysis. Preverification results are reported on Soil Analysis Reports that are included in Appendix C. Verification samples were submitted to the offsite lab for gamma spec analysis and isotopic thorium and uranium analyses. The offsite lab inadvertently performed isotopic plutonium analysis on some of the samples. Verification results (including isotopic plutonium results) are present in Table 1. Walkover survey documentation is provided in Appendix D.

3.2 66 WEST

The Core Team-approved Sketches for 66 West are shown on Figures 4 and 5. Verification and preverification sampling locations for 66 West are shown on Figure 6 and sampling occurred in March 2006. Debris was chased to the extent present (per the PRS 66 Work Plan), which extended below the Building 22 footprint. Radiological surveys indicated that the debris was below free release criteria; however, the material was disposed of with the low level waste. Preverification samples were submitted to the Mound Soil Screening Laboratory for long count gamma spec analysis. Preverification results are reported on Soil Analysis Reports that are included in Appendix C. Verification samples were submitted to the offsite lab for isotopic thorium and plutonium analyses. Offsite gamma spec analysis was inadvertently performed on some samples. Verification results (including gamma spec results) are presented in Table 2. Walkover survey documentation is provided in Appendix D.

3.3 BUILDING 61 SOIL

Characterization sampling under Building 61 was performed to bound the PRS 442 excavation. Characterization sampling locations for the Building 61 soils are shown on Figure 7 and characterization sampling occurred in April 2006. The samples were field-screened by a radiological control technician at the site and submitted to the Mound Soil Screening Laboratory for long count gamma spec analysis. Results are reported in Table 3.

4.0 DATA REVIEW / VALIDATION

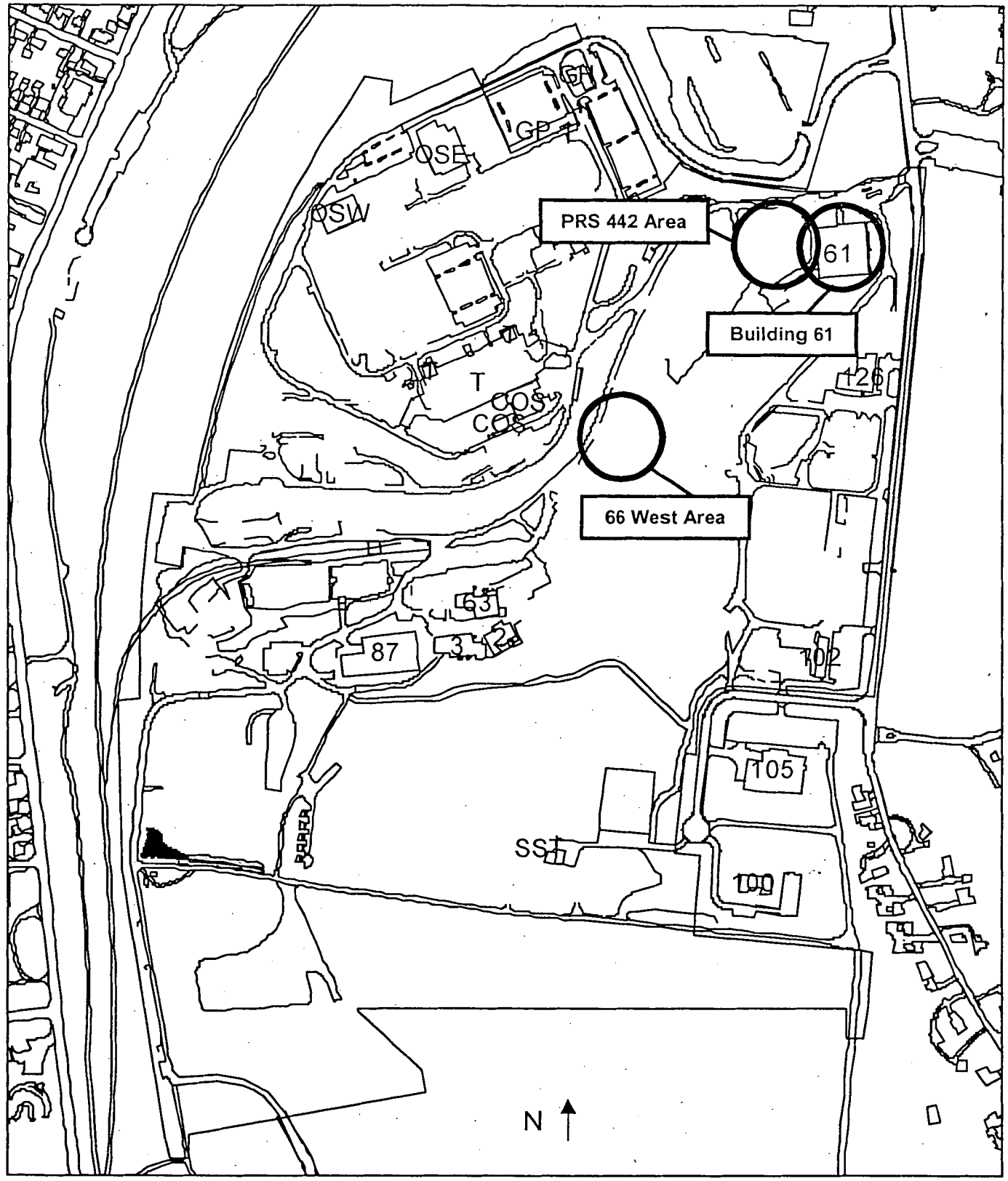
All data were reviewed and 10% of offsite data were validated.

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

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

APPENDIX A

FIGURES

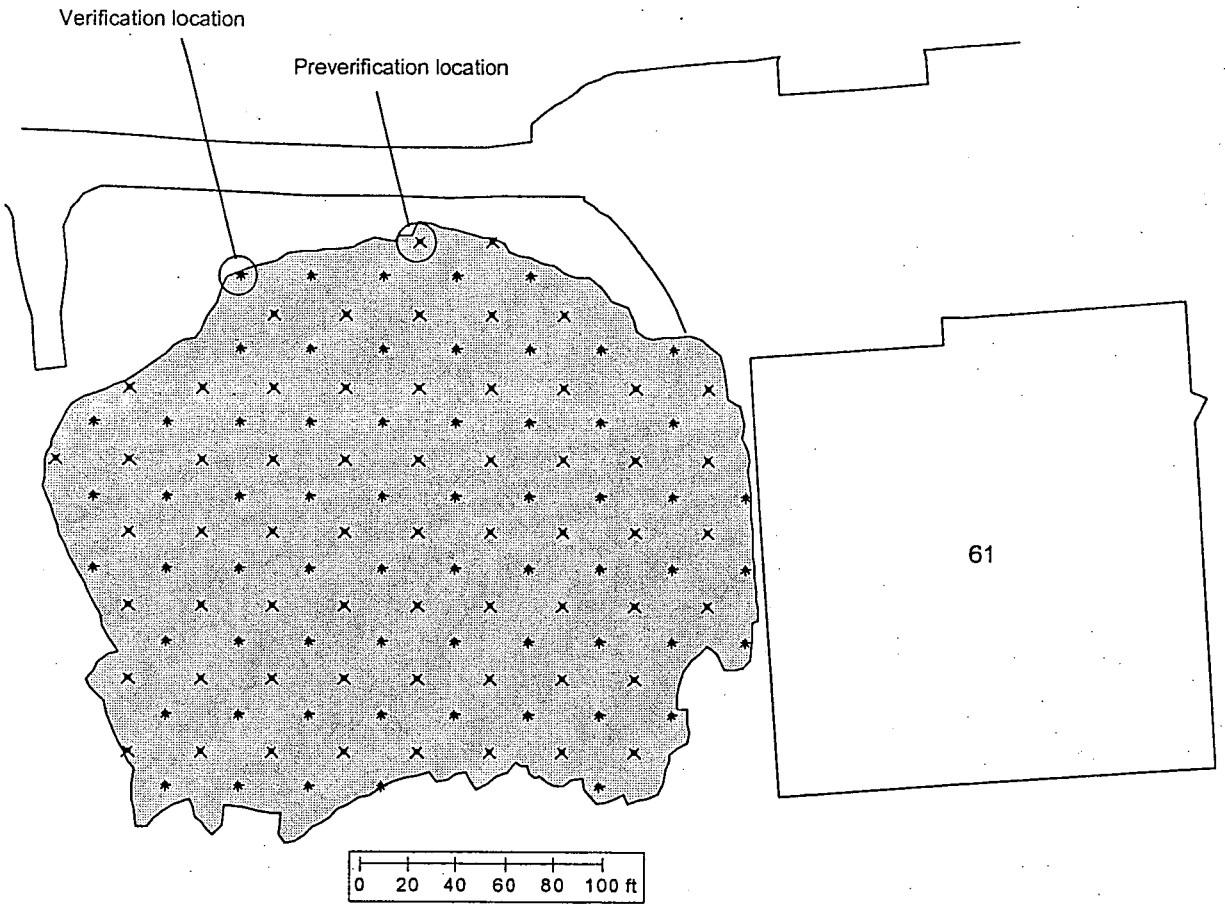


Scale in feet

0 200400 600 8001000

Figure 1:
Location of PRS 442, 66 West, & Building 61

A7/192



PRS 442 Sketch #1

[COCs are Ra-226, Th-232, & U-238]

(60) PV: onsite long count gamma spec
(63) V offsite gamma spec and offsite Iso Th & U
(123) TOTAL samples

Figure 2: PRS 442 Sketch #1

Final Sketch 1 for PRS 442
21 March 06 KMA

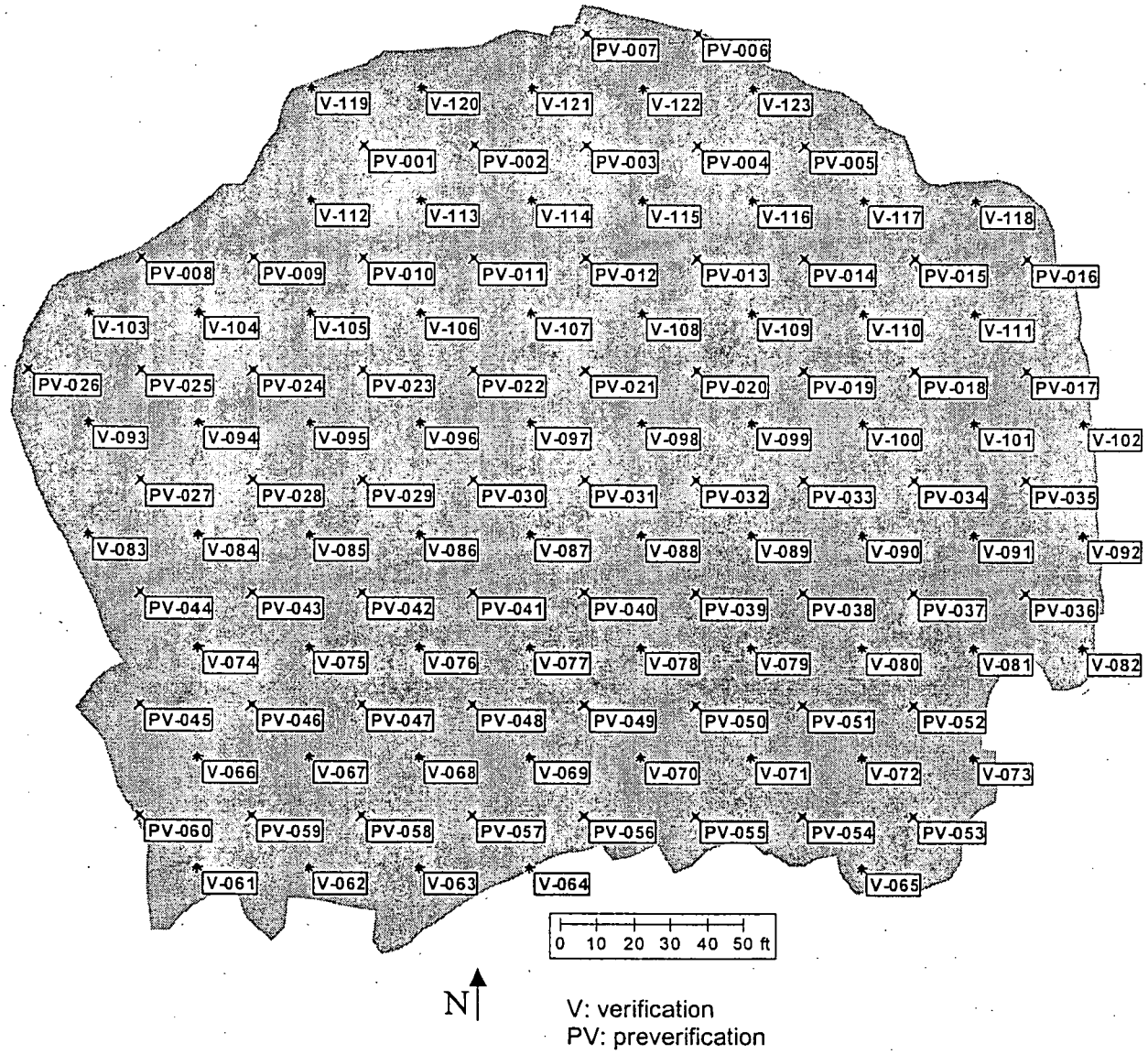
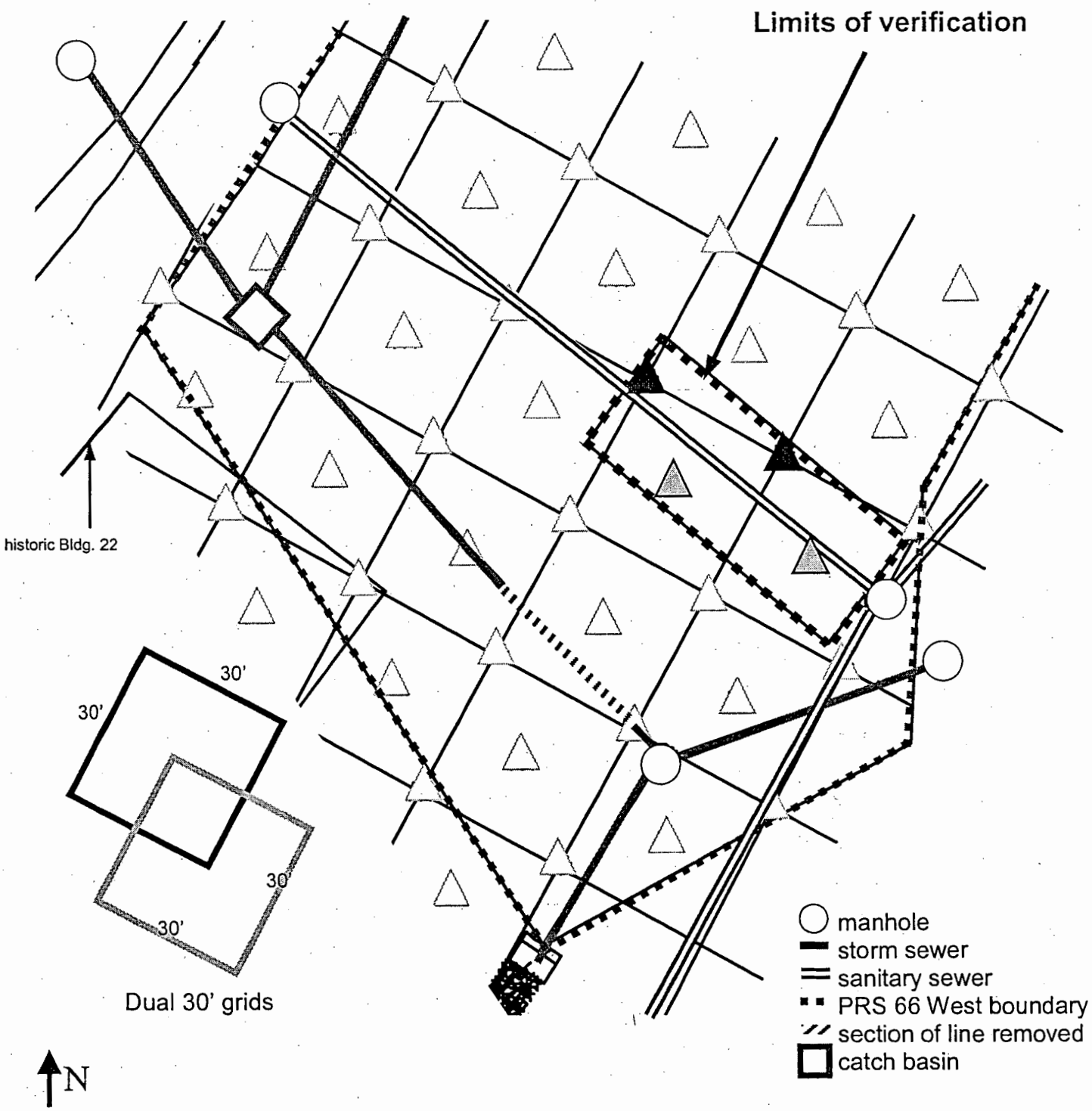


Figure 3: PRS 442 Sampling Locations

PRS 66 West Sketch 1



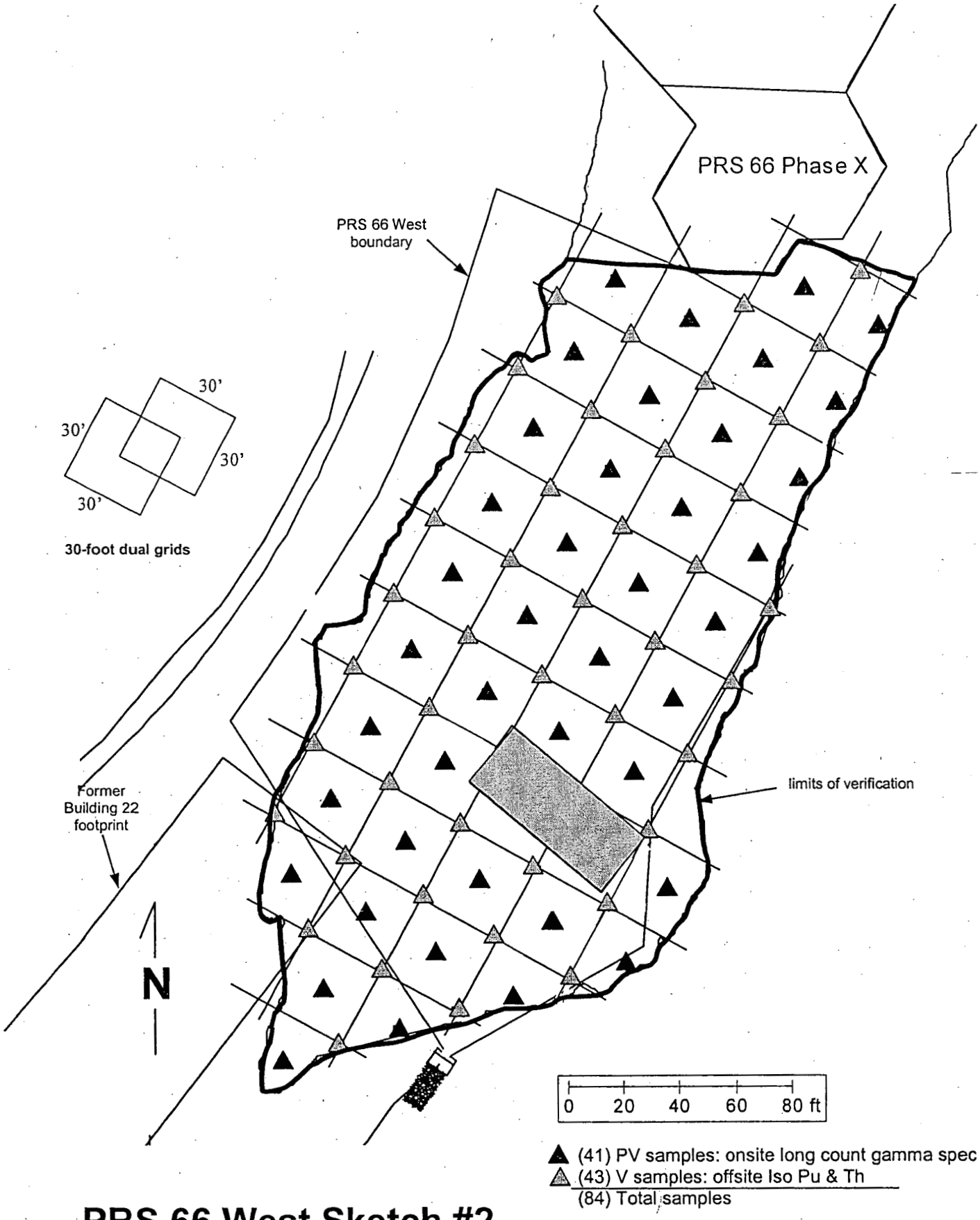
PV location – long count onsite gamma spec (2) preverification samples

V location – Offsite Isotopic Pu & Th (2) verification samples

not collected at this time

1March06 kma

Figure 4: 66 West Sketch #1



PRS 66 West Sketch #2

Figure 5: 66 West Sketch #2

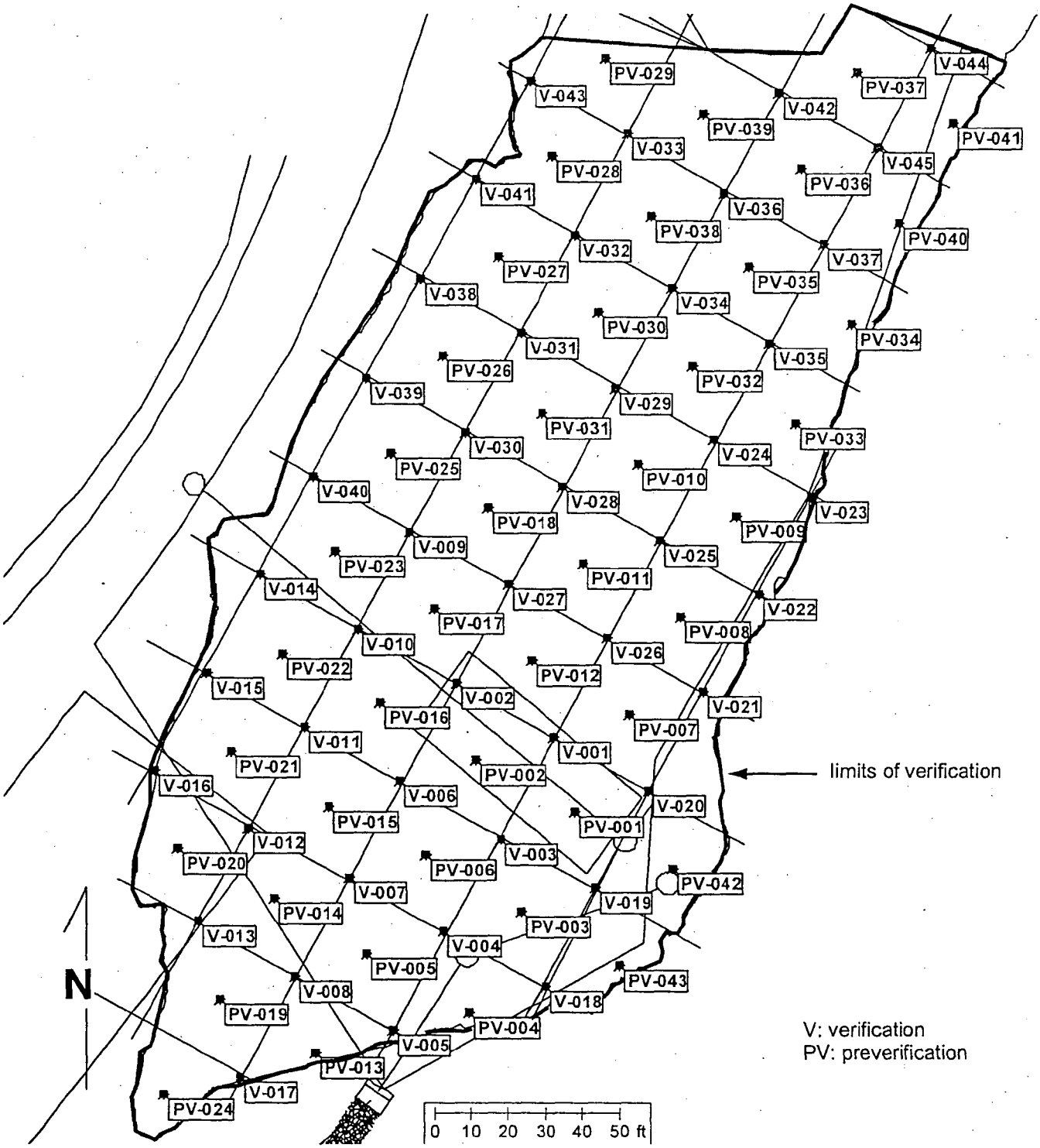


Figure 6: 66 West Sampling Locations

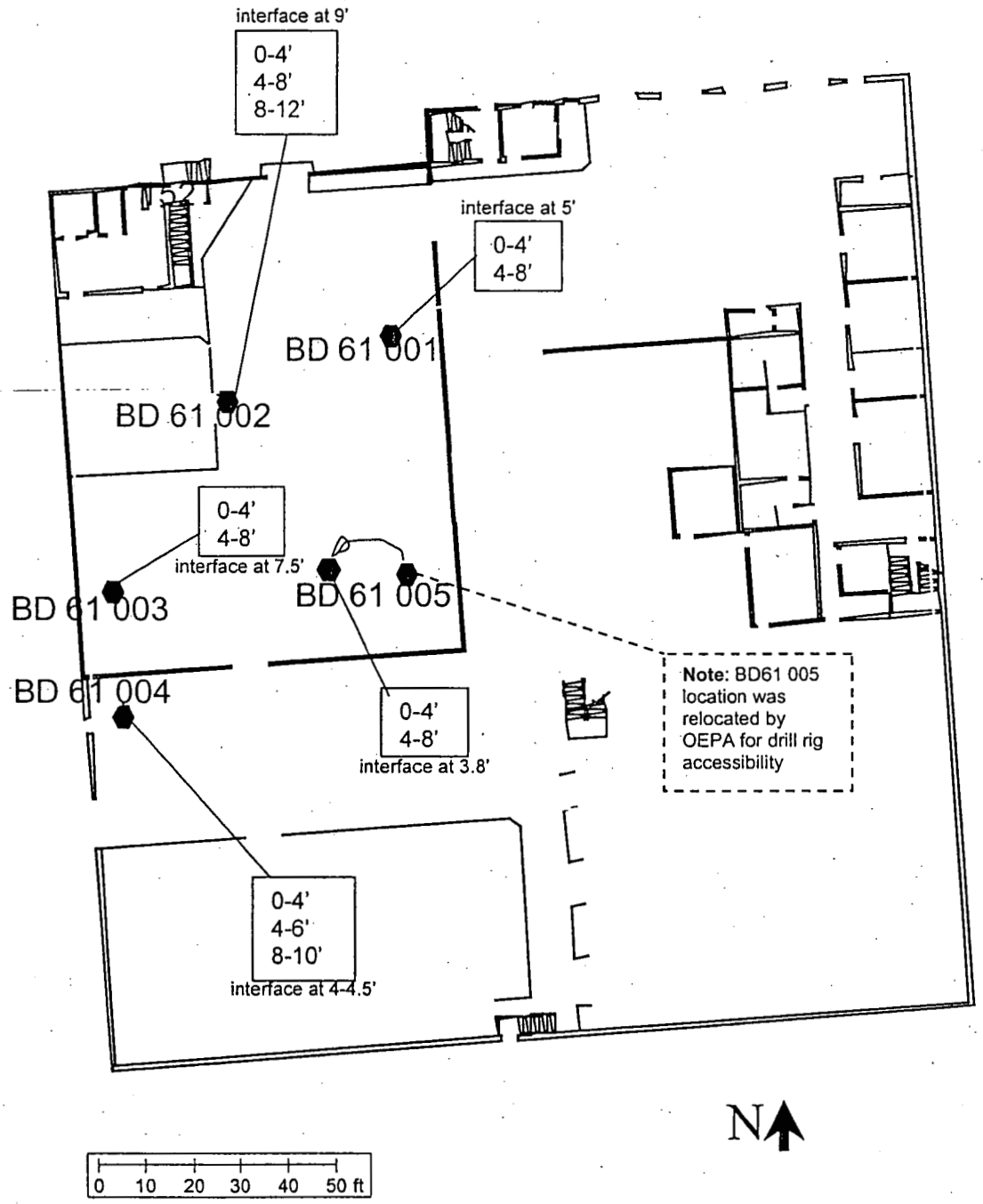


Figure 7: Building 61 Sample Locations

A13/192

APPENDIX B

TABLES

A14/192

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-061	Actinium-227	4.6	0.460	0.460	03/22/2006	U		1466146.705	599115.765
442-V-061	Actinium-228	1.93	0.780	0.240	03/22/2006			1466146.705	599115.765
442-V-061	Americium-241	63	0.150	0.150	03/22/2006	U		1466146.705	599115.765
442-V-061	Cesium-137	3.8	0.093	0.093	03/22/2006	U		1466146.705	599115.765
442-V-061	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466146.705	599115.765
442-V-061	Lead-212	16.6	0.610	0.140	03/22/2006			1466146.705	599115.765
442-V-061	Lead-214	8.9	0.580	0.130	03/22/2006			1466146.705	599115.765
442-V-061	Plutonium-238	55	3.970	0.020	03/22/2006		.	1466146.705	599115.765
442-V-061	Plutonium-239/240	62	0.014	0.010	03/22/2006	J		1466146.705	599115.765
442-V-061	Potassium-40	47.8	13.300	0.700	03/22/2006			1466146.705	599115.765
442-V-061	Radium-226	2.9	0.560	0.300	03/22/2006	J	NJ	1466146.705	599115.765
442-V-061	Radium-228	2.1	0.780	0.240	03/22/2006			1466146.705	599115.765
442-V-061	Thallium-208	0.498	0.297	0.076	03/22/2006			1466146.705	599115.765
442-V-061	Thorium-228	2.6	1.090	0.040	03/22/2006			1466146.705	599115.765
442-V-061	Thorium-230	2.8	1.330	0.020	03/22/2006		J	1466146.705	599115.765
442-V-061	Thorium-232	2.1	0.830	0.020	03/22/2006			1466146.705	599115.765
442-V-061	Uranium-234	2	0.690	0.070	03/22/2006			1466146.705	599115.765
442-V-061	Uranium-235	3.2	0.055	0.055	03/22/2006	U		1466146.705	599115.765
442-V-061	Uranium-238	2.2	0.830	0.070	03/22/2006			1466146.705	599115.765
442-V-062	Actinium-227	4.6	0.220	0.220	03/22/2006	U		1466176.705	599115.765
442-V-062	Americium-241	63	0.074	0.074	03/22/2006	U		1466176.705	599115.765
442-V-062	Cesium-137	3.8	0.037	0.037	03/22/2006	U		1466176.705	599115.765
442-V-062	Cobalt-60	0.7	0.046	0.046	03/22/2006	U		1466176.705	599115.765
442-V-062	Lead-212	16.6	0.087	0.068	03/22/2006			1466176.705	599115.765
442-V-062	Plutonium-238	55	0.570	0.040	03/22/2006			1466176.705	599115.765
442-V-062	Plutonium-239/240	62	0.020	0.020	03/22/2006	U		1466176.705	599115.765
442-V-062	Potassium-40	47.8	1.780	0.370	03/22/2006			1466176.705	599115.765
442-V-062	Radium-226	2.9	0.177	0.160	03/22/2006	J		1466176.705	599115.765
442-V-062	Thorium-228	2.6	0.091	0.042	03/22/2006	J		1466176.705	599115.765
442-V-062	Thorium-230	2.8	0.150	0.026	03/22/2006			1466176.705	599115.765
442-V-062	Thorium-232	2.1	0.137	0.013	03/22/2006			1466176.705	599115.765
442-V-062	Uranium-234	2	0.159	0.050	03/22/2006	J		1466176.705	599115.765
442-V-062	Uranium-235	3.2	0.062	0.062	03/22/2006	U		1466176.705	599115.765
442-V-062	Uranium-238	2.2	0.300	0.040	03/22/2006			1466176.705	599115.765
442-V-063	Actinium-227	4.6	0.320	0.320	03/22/2006	U		1466206.705	599115.765
442-V-063	Actinium-228	1.93	0.420	0.220	03/22/2006			1466206.705	599115.765
442-V-063	Americium-241	63	0.130	0.130	03/22/2006	U		1466206.705	599115.765
442-V-063	Cesium-137	3.8	0.091	0.091	03/22/2006	U		1466206.705	599115.765
442-V-063	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466206.705	599115.765
442-V-063	Lead-212	16.6	0.630	0.120	03/22/2006			1466206.705	599115.765
442-V-063	Lead-214	8.9	0.640	0.130	03/22/2006			1466206.705	599115.765
442-V-063	Plutonium-238	55	0.228	0.043	03/22/2006			1466206.705	599115.765
442-V-063	Plutonium-239/240	62	0.035	0.035	03/22/2006	U		1466206.705	599115.765
442-V-063	Potassium-40	47.8	14.500	0.500	03/22/2006			1466206.705	599115.765
442-V-063	Radium-226	2.9	0.510	0.270	03/22/2006	J		1466206.705	599115.765
442-V-063	Radium-228	2.1	0.420	0.220	03/22/2006			1466206.705	599115.765
442-V-063	Thallium-208	0.498	0.202	0.067	03/22/2006			1466206.705	599115.765
442-V-063	Thorium-228	2.6	0.700	0.030	03/22/2006			1466206.705	599115.765
442-V-063	Thorium-230	2.8	0.950	0.020	03/22/2006			1466206.705	599115.765
442-V-063	Thorium-232	2.1	0.740	0.030	03/22/2006			1466206.705	599115.765
442-V-063	Uranium-234	2	0.590	0.050	03/22/2006			1466206.705	599115.765
442-V-063	Uranium-235	3.2	0.059	0.059	03/22/2006	U		1466206.705	599115.765
442-V-063	Uranium-238	2.2	0.670	0.050	03/22/2006			1466206.705	599115.765
442-V-064	Actinium-227	4.6	1.200	0.620	03/22/2006			1466236.705	599115.765
442-V-064	Actinium-228	1.93	0.910	0.300	03/22/2006			1466236.705	599115.765
442-V-064	Americium-241	63	0.170	0.170	03/22/2006	U		1466236.705	599115.765
442-V-064	Cesium-137	3.8	0.138	0.130	03/22/2006	J		1466236.705	599115.765
442-V-064	Cobalt-60	0.7	0.099	0.099	03/22/2006	U		1466236.705	599115.765
442-V-064	Lead-212	16.6	1.000	0.120	03/22/2006			1466236.705	599115.765
442-V-064	Lead-214	8.9	0.740	0.150	03/22/2006			1466236.705	599115.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-064	Plutonium-238	55	0.530	0.040	03/22/2006			1466236.705	599115.765
442-V-064	Plutonium-239/240	62	0.027	0.027	03/22/2006	U		1466236.705	599115.765
442-V-064	Potassium-40	47.8	23.800	0.800	03/22/2006			1466236.705	599115.765
442-V-064	Radium-226	2.9	0.900	0.350	03/22/2006	J		1466236.705	599115.765
442-V-064	Radium-228	2.1	0.910	0.300	03/22/2006			1466236.705	599115.765
442-V-064	Thallium-208	0.498	0.380	0.090	03/22/2006			1466236.705	599115.765
442-V-064	Thorium-228	2.6	0.950	0.030	03/22/2006			1466236.705	599115.765
442-V-064	Thorium-230	2.8	1.070	0.030	03/22/2006			1466236.705	599115.765
442-V-064	Thorium-232	2.1	0.920	0.020	03/22/2006			1466236.705	599115.765
442-V-064	Uranium-234	2	0.670	0.050	03/22/2006			1466236.705	599115.765
442-V-064	Uranium-235	3.2	0.037	0.033	03/22/2006	J		1466236.705	599115.765
442-V-064	Uranium-238	2.2	0.830	0.030	03/22/2006			1466236.705	599115.765
442-V-065	Actinium-227	4.6	0.540	0.540	03/22/2006	U		1466326.705	599115.765
442-V-065	Actinium-228	1.93	0.670	0.360	03/22/2006			1466326.705	599115.765
442-V-065	Americium-241	63	0.190	0.190	03/22/2006	U		1466326.705	599115.765
442-V-065	Cesium-137	3.8	0.092	0.092	03/22/2006	U		1466326.705	599115.765
442-V-065	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466326.705	599115.765
442-V-065	Lead-212	16.6	0.640	0.170	03/22/2006			1466326.705	599115.765
442-V-065	Lead-214	8.9	0.650	0.170	03/22/2006			1466326.705	599115.765
442-V-065	Plutonium-238	55	0.064	0.026	03/22/2006	J		1466326.705	599115.765
442-V-065	Plutonium-239/240	62	0.014	0.014	03/22/2006	U		1466326.705	599115.765
442-V-065	Potassium-40	47.8	17.800	0.900	03/22/2006			1466326.705	599115.765
442-V-065	Radium-226	2.9	0.550	0.380	03/22/2006	J		1466326.705	599115.765
442-V-065	Radium-228	2.1	0.670	0.360	03/22/2006			1466326.705	599115.765
442-V-065	Thallium-208	0.498	0.250	0.130	03/22/2006			1466326.705	599115.765
442-V-065	Thorium-228	2.6	0.802	0.025	03/22/2006			1466326.705	599115.765
442-V-065	Thorium-230	2.8	0.708	0.010	03/22/2006			1466326.705	599115.765
442-V-065	Thorium-232	2.1	0.770	0.005	03/22/2006			1466326.705	599115.765
442-V-065	Uranium-234	2	0.780	0.080	03/22/2006			1466326.705	599115.765
442-V-065	Uranium-235	3.2	0.072	0.072	03/22/2006	U		1466326.705	599115.765
442-V-065	Uranium-238	2.2	0.710	0.070	03/22/2006			1466326.705	599115.765
442-V-066	Actinium-227	4.6	0.480	0.480	03/22/2006	U		1466146.705	599145.765
442-V-066	Actinium-228	1.93	1.050	0.280	03/22/2006			1466146.705	599145.765
442-V-066	Americium-241	63	0.170	0.170	03/22/2006	U		1466146.705	599145.765
442-V-066	Bismuth-212	9.87	0.870	0.720	03/22/2006			1466146.705	599145.765
442-V-066	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466146.705	599145.765
442-V-066	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466146.705	599145.765
442-V-066	Lead-212	16.6	1.240	0.120	03/22/2006			1466146.705	599145.765
442-V-066	Lead-214	8.9	0.740	0.140	03/22/2006			1466146.705	599145.765
442-V-066	Plutonium-238	55	0.042	0.022	03/22/2006	J		1466146.705	599145.765
442-V-066	Plutonium-239/240	62	0.016	0.016	03/22/2006	U		1466146.705	599145.765
442-V-066	Potassium-40	47.8	16.100	0.900	03/22/2006			1466146.705	599145.765
442-V-066	Radium-226	2.9	0.860	0.360	03/22/2006	J		1466146.705	599145.765
442-V-066	Radium-228	2.1	1.050	0.280	03/22/2006			1466146.705	599145.765
442-V-066	Thallium-208**	0.498	0.520	0.090	03/22/2006			1466146.705	599145.765
442-V-066	Thorium-228	2.6	1.610	0.030	03/22/2006			1466146.705	599145.765
442-V-066	Thorium-230	2.8	1.460	0.020	03/22/2006			1466146.705	599145.765
442-V-066	Thorium-232	2.1	1.620	0.010	03/22/2006			1466146.705	599145.765
442-V-066	Uranium-234	2	1.000	0.050	03/22/2006			1466146.705	599145.765
442-V-066	Uranium-235	3.2	0.059	0.052	03/22/2006	J		1466146.705	599145.765
442-V-066	Uranium-238	2.2	1.060	0.040	03/22/2006			1466146.705	599145.765
442-V-067	Actinium-227	4.6	1.560	0.710	03/22/2006			1466176.705	599145.765
442-V-067	Actinium-228	1.93	0.630	0.330	03/22/2006			1466176.705	599145.765
442-V-067	Americium-241	63	0.200	0.200	03/22/2006	U		1466176.705	599145.765
442-V-067	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466176.705	599145.765
442-V-067	Cobalt-60	0.7	0.098	0.098	03/22/2006	U		1466176.705	599145.765
442-V-067	Lead-212	16.6	1.070	0.120	03/22/2006			1466176.705	599145.765
442-V-067	Lead-214	8.9	0.860	0.160	03/22/2006			1466176.705	599145.765
442-V-067	Plutonium-238	55	0.311	0.034	03/22/2006			1466176.705	599145.765
442-V-067	Plutonium-239/240	62	0.019	0.019	03/22/2006	U		1466176.705	599145.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-067	Potassium-40	47.8	18.600	0.900	03/22/2006			1466176.705	599145.765
442-V-067	Radium-226	2.9	0.750	0.370	03/22/2006	J		1466176.705	599145.765
442-V-067	Radium-228	2.1	0.630	0.330	03/22/2006			1466176.705	599145.765
442-V-067	Thallium-208	0.498	0.270	0.090	03/22/2006			1466176.705	599145.765
442-V-067	Thorium-228	2.6	1.120	0.030	03/22/2006			1466176.705	599145.765
442-V-067	Thorium-230	2.8	1.080	0.010	03/22/2006			1466176.705	599145.765
442-V-067	Thorium-232	2.1	0.970	0.010	03/22/2006			1466176.705	599145.765
442-V-067	Uranium-234	2	0.770	0.040	03/22/2006			1466176.705	599145.765
442-V-067	Uranium-235	3.2	0.039	0.035	03/22/2006	J		1466176.705	599145.765
442-V-067	Uranium-238	2.2	0.690	0.030	03/22/2006			1466176.705	599145.765
442-V-068A	Actinium-228	1.93	1.050	0.320	04/13/2006			1466206.705	599145.765
442-V-068A	Americium-241	63	0.220	0.220	04/13/2006	U		1466206.705	599145.765
442-V-068A	Cesium-137	3.8	0.110	0.110	04/13/2006	U		1466206.705	599145.765
442-V-068A	Cobalt-60	0.7	0.120	0.120	04/13/2006	U		1466206.705	599145.765
442-V-068A	Lead-212	16.6	1.100	0.140	04/13/2006			1466206.705	599145.765
442-V-068A	Lead-214	8.9	0.850	0.200	04/13/2006			1466206.705	599145.765
442-V-068A	Plutonium-238	55	0.023	0.023	04/13/2006	U		1466206.705	599145.765
442-V-068A	Plutonium-239/240	62	0.010	0.010	04/13/2006	U		1466206.705	599145.765
442-V-068A	Potassium-40	47.8	18.900	1.000	04/13/2006			1466206.705	599145.765
442-V-068A	Radium-226	2.9	0.780	0.420	04/13/2006	J	NJ	1466206.705	599145.765
442-V-068A	Radium-228	2.1	1.050	0.320	04/13/2006			1466206.705	599145.765
442-V-068A	Thallium-208	0.498	0.360	0.120	04/13/2006			1466206.705	599145.765
442-V-068A	Thorium-228	2.6	0.870	0.050	04/13/2006			1466206.705	599145.765
442-V-068A	Thorium-230	2.8	0.980	0.030	04/13/2006			1466206.705	599145.765
442-V-068A	Thorium-232	2.1	0.870	0.030	04/13/2006			1466206.705	599145.765
442-V-068A	Uranium-234	2	0.710	0.030	04/13/2006			1466206.705	599145.765
442-V-068A	Uranium-235	3.2	0.034	0.034	04/13/2006	U		1466206.705	599145.765
442-V-068A	Uranium-238	2.2	0.730	0.030	04/13/2006			1466206.705	599145.765
442-V-068AD	Actinium-227	4.6	0.410	0.410	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Actinium-228	1.93	1.120	0.230	04/13/2006			1466206.705	599145.765
442-V-068AD	Americium-241	63	0.180	0.180	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Bismuth-214	1.17	0.800	0.180	04/13/2006			1466206.705	599145.765
442-V-068AD	Cesium-137	3.8	0.095	0.095	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Cobalt-60	0.7	0.110	0.110	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Lead-212	16.6	0.760	0.150	04/13/2006			1466206.705	599145.765
442-V-068AD	Lead-214	8.9	0.920	0.150	04/13/2006			1466206.705	599145.765
442-V-068AD	Plutonium-238	55	0.010	0.010	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Plutonium-239/240	62	0.010	0.010	04/13/2006	U		1466206.705	599145.765
442-V-068AD	Potassium-40	47.8	16.700	1.000	04/13/2006			1466206.705	599145.765
442-V-068AD	Radium-226	2.9	0.800	0.180	04/13/2006	J	NJ	1466206.705	599145.765
442-V-068AD	Radium-228	2.1	1.120	0.230	04/13/2006			1466206.705	599145.765
442-V-068AD	Thallium-208	0.498	0.342	0.086	04/13/2006			1466206.705	599145.765
442-V-068AD	Thorium-228	2.6	1.230	0.060	04/13/2006			1466206.705	599145.765
442-V-068AD	Thorium-230	2.8	1.030	0.030	04/13/2006			1466206.705	599145.765
442-V-068AD	Thorium-232	2.1	1.200	0.030	04/13/2006			1466206.705	599145.765
442-V-068AD	Uranium-234	2	0.700	0.040	04/13/2006			1466206.705	599145.765
442-V-068AD	Uranium-235	3.2	0.070	0.031	04/13/2006	J		1466206.705	599145.765
442-V-068AD	Uranium-238	2.2	0.670	0.040	04/13/2006			1466206.705	599145.765
442-V-069	Actinium-227	4.6	0.370	0.370	03/22/2006	U		1466236.705	599145.765
442-V-069	Americium-241	63	0.160	0.160	03/22/2006	U		1466236.705	599145.765
442-V-069	Cesium-137	3.8	0.084	0.084	03/22/2006	U		1466236.705	599145.765
442-V-069	Cobalt-60	0.7	0.083	0.083	03/22/2006	U		1466236.705	599145.765
442-V-069	Lead-212	16.6	0.460	0.130	03/22/2006			1466236.705	599145.765
442-V-069	Lead-214	8.9	0.930	0.150	03/22/2006			1466236.705	599145.765
442-V-069	Plutonium-238	55	0.010	0.010	03/22/2006	J		1466236.705	599145.765
442-V-069	Plutonium-239/240	62	0.003	0.003	03/22/2006	U		1466236.705	599145.765
442-V-069	Potassium-40	47.8	10.200	0.600	03/22/2006			1466236.705	599145.765
442-V-069	Radium-226	2.9	0.710	0.390	03/22/2006	J		1466236.705	599145.765
442-V-069	Thallium-208	0.498	0.189	0.069	03/22/2006			1466236.705	599145.765
442-V-069	Thorium-228	2.6	0.520	0.030	03/22/2006			1466236.705	599145.765

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Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-069	Thorium-230	2.8	0.960	0.020	03/22/2006			1466236.705	599145.765
442-V-069	Thorium-232	2.1	0.510	0.010	03/22/2006			1466236.705	599145.765
442-V-069	Uranium-234	2	0.730	0.050	03/22/2006			1466236.705	599145.765
442-V-069	Uranium-235	3.2	0.070	0.032	03/22/2006	J		1466236.705	599145.765
442-V-069	Uranium-238	2.2	0.820	0.040	03/22/2006			1466236.705	599145.765
442-V-070	Actinium-227	4.6	0.400	0.400	03/22/2006	U		1466266.705	599145.765
442-V-070	Actinium-228	1.93	0.820	0.290	03/22/2006			1466266.705	599145.765
442-V-070	Americium-241	63	0.150	0.150	03/22/2006	U		1466266.705	599145.765
442-V-070	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466266.705	599145.765
442-V-070	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466266.705	599145.765
442-V-070	Lead-212	16.6	0.470	0.150	03/22/2006			1466266.705	599145.765
442-V-070	Lead-214	8.9	0.480	0.140	03/22/2006			1466266.705	599145.765
442-V-070	Plutonium-238	55	0.015	0.015	03/22/2006	U		1466266.705	599145.765
442-V-070	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466266.705	599145.765
442-V-070	Potassium-40	47.8	14.600	0.900	03/22/2006			1466266.705	599145.765
442-V-070	Radium-226	2.9	0.580	0.370	03/22/2006	J		1466266.705	599145.765
442-V-070	Radium-228	2.1	0.820	0.290	03/22/2006			1466266.705	599145.765
442-V-070	Thorium-228	2.6	0.640	0.030	03/22/2006			1466266.705	599145.765
442-V-070	Thorium-230	2.8	0.810	0.020	03/22/2006			1466266.705	599145.765
442-V-070	Thorium-232	2.1	0.640	0.020	03/22/2006			1466266.705	599145.765
442-V-070	Uranium-234	2	0.670	0.050	03/22/2006			1466266.705	599145.765
442-V-070	Uranium-235	3.2	0.072	0.032	03/22/2006	J		1466266.705	599145.765
442-V-070	Uranium-238	2.2	0.920	0.050	03/22/2006			1466266.705	599145.765
442-V-071	Actinium-227	4.6	0.340	0.340	03/22/2006	U		1466296.705	599145.765
442-V-071	Actinium-228	1.93	1.780	0.260	03/22/2006			1466296.705	599145.765
442-V-071	Americium-241	63	0.140	0.140	03/22/2006	U		1466296.705	599145.765
442-V-071	Bismuth-214	1.17	0.800	0.140	03/22/2006			1466296.705	599145.765
442-V-071	Cesium-137	3.8	0.080	0.080	03/22/2006	U		1466296.705	599145.765
442-V-071	Cobalt-60	0.7	0.090	0.090	03/22/2006	U		1466296.705	599145.765
442-V-071	Lead-212	16.6	1.400	0.100	03/22/2006			1466296.705	599145.765
442-V-071	Lead-214	8.9	0.860	0.130	03/22/2006			1466296.705	599145.765
442-V-071	Plutonium-238	55	0.018	0.012	03/22/2006	J		1466296.705	599145.765
442-V-071	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466296.705	599145.765
442-V-071	Potassium-40	47.8	38.000	0.600	03/22/2006			1466296.705	599145.765
442-V-071	Radium-226	2.9	0.800	0.140	03/22/2006	J		1466296.705	599145.765
442-V-071	Radium-228	2.1	1.780	0.260	03/22/2006			1466296.705	599145.765
442-V-071	Thallium-208	0.498	0.393	0.072	03/22/2006			1466296.705	599145.765
442-V-071	Thorium-228	2.6	1.140	0.020	03/22/2006			1466296.705	599145.765
442-V-071	Thorium-230	2.8	0.860	0.020	03/22/2006			1466296.705	599145.765
442-V-071	Thorium-232	2.1	1.280	0.020	03/22/2006			1466296.705	599145.765
442-V-071	Uranium-234	2	0.880	0.060	03/22/2006			1466296.705	599145.765
442-V-071	Uranium-235	3.2	0.053	0.053	03/22/2006	U		1466296.705	599145.765
442-V-071	Uranium-238	2.2	0.950	0.060	03/22/2006			1466296.705	599145.765
442-V-072	Actinium-227	4.6	0.500	0.500	03/22/2006	U		1466326.705	599145.765
442-V-072	Actinium-228	1.93	1.780	0.380	03/22/2006			1466326.705	599145.765
442-V-072	Americium-241	63	0.190	0.190	03/22/2006	U		1466326.705	599145.765
442-V-072	Bismuth-212	9.87	1.740	0.710	03/22/2006			1466326.705	599145.765
442-V-072	Bismuth-214	1.17	0.900	0.170	03/22/2006			1466326.705	599145.765
442-V-072	Cesium-137	3.8	0.089	0.089	03/22/2006	U		1466326.705	599145.765
442-V-072	Cobalt-60	0.7	0.097	0.097	03/22/2006	U		1466326.705	599145.765
442-V-072	Lead-212	16.6	2.420	0.110	03/22/2006			1466326.705	599145.765
442-V-072	Lead-214	8.9	1.000	0.130	03/22/2006			1466326.705	599145.765
442-V-072	Plutonium-238	55	0.054	0.045	03/22/2006	J		1466326.705	599145.765
442-V-072	Plutonium-239/240	62	0.021	0.021	03/22/2006	U		1466326.705	599145.765
442-V-072	Potassium-40	47.8	30.100	0.800	03/22/2006			1466326.705	599145.765
442-V-072	Radium-226	2.9	0.900	0.170	03/22/2006	J		1466326.705	599145.765
442-V-072	Radium-228	2.1	1.780	0.380	03/22/2006			1466326.705	599145.765
442-V-072	Thallium-208**	0.498	0.800	0.090	03/22/2006			1466326.705	599145.765
442-V-072	Thorium-228	2.6	2.240	0.030	03/22/2006			1466326.705	599145.765
442-V-072	Thorium-230	2.8	1.060	0.020	03/22/2006			1466326.705	599145.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-072	Thorium-232	2.1	2.000	0.020	03/22/2006			1466326.705	599145.765
442-V-072	Uranium-234	2	1.080	0.060	03/22/2006			1466326.705	599145.765
442-V-072	Uranium-235	3.2	0.081	0.036	03/22/2006	J		1466326.705	599145.765
442-V-072	Uranium-238	2.2	0.700	0.050	03/22/2006			1466326.705	599145.765
442-V-072D	Actinium-227	4.6	0.410	0.410	03/22/2006	U		1466326.705	599145.765
442-V-072D	Actinium-228	1.93	1.150	0.290	03/22/2006			1466326.705	599145.765
442-V-072D	Americium-241	63	0.150	0.150	03/22/2006	U		1466326.705	599145.765
442-V-072D	Bismuth-212	9.87	1.130	0.570	03/22/2006			1466326.705	599145.765
442-V-072D	Bismuth-214	1.17	0.690	0.170	03/22/2006			1466326.705	599145.765
442-V-072D	Cesium-137	3.8	0.093	0.093	03/22/2006	U		1466326.705	599145.765
442-V-072D	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466326.705	599145.765
442-V-072D	Lead-212	16.6	1.400	0.140	03/22/2006			1466326.705	599145.765
442-V-072D	Lead-214	8.9	0.680	0.140	03/22/2006			1466326.705	599145.765
442-V-072D	Plutonium-238	55	0.159	0.007	03/22/2006			1466326.705	599145.765
442-V-072D	Plutonium-239/240	62	0.021	0.007	03/22/2006	J		1466326.705	599145.765
442-V-072D	Potassium-40	47.8	22.200	0.800	03/22/2006			1466326.705	599145.765
442-V-072D	Radium-226	2.9	0.690	0.170	03/22/2006	J		1466326.705	599145.765
442-V-072D	Radium-228	2.1	1.150	0.290	03/22/2006			1466326.705	599145.765
442-V-072D	Thallium-208	0.498	0.432	0.083	03/22/2006			1466326.705	599145.765
442-V-072D	Thorium-228	2.6	1.920	0.040	03/22/2006			1466326.705	599145.765
442-V-072D	Thorium-230	2.8	0.980	0.020	03/22/2006			1466326.705	599145.765
442-V-072D	Thorium-232	2.1	1.680	0.020	03/22/2006			1466326.705	599145.765
442-V-072D	Uranium-234	2	0.920	0.030	03/22/2006			1466326.705	599145.765
442-V-072D	Uranium-235	3.2	0.069	0.050	03/22/2006	J		1466326.705	599145.765
442-V-072D	Uranium-238	2.2	0.840	0.050	03/22/2006			1466326.705	599145.765
442-V-073	Actinium-227	4.6	0.400	0.400	03/22/2006	U		1466356.705	599145.765
442-V-073	Americium-241	63	0.140	0.140	03/22/2006	U		1466356.705	599145.765
442-V-073	Bismuth-214	1.17	0.490	0.170	03/22/2006			1466356.705	599145.765
442-V-073	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466356.705	599145.765
442-V-073	Cobalt-60	0.7	0.094	0.094	03/22/2006	U		1466356.705	599145.765
442-V-073	Lead-212	16.6	0.680	0.140	03/22/2006			1466356.705	599145.765
442-V-073	Lead-214	8.9	0.340	0.140	03/22/2006			1466356.705	599145.765
442-V-073	Plutonium-238	55	0.272	0.028	03/22/2006			1466356.705	599145.765
442-V-073	Plutonium-239/240	62	0.020	0.020	03/22/2006	U		1466356.705	599145.765
442-V-073	Potassium-40	47.8	11.600	0.800	03/22/2006			1466356.705	599145.765
442-V-073	Radium-226	2.9	0.490	0.170	03/22/2006	J		1466356.705	599145.765
442-V-073	Thallium-208	0.498	0.308	0.073	03/22/2006			1466356.705	599145.765
442-V-073	Thorium-228	2.6	1.020	0.030	03/22/2006			1466356.705	599145.765
442-V-073	Thorium-230	2.8	0.830	0.010	03/22/2006			1466356.705	599145.765
442-V-073	Thorium-232	2.1	0.950	0.020	03/22/2006			1466356.705	599145.765
442-V-073	Uranium-234	2	0.610	0.050	03/22/2006			1466356.705	599145.765
442-V-073	Uranium-235	3.2	0.052	0.052	03/22/2006	U		1466356.705	599145.765
442-V-073	Uranium-238	2.2	0.780	0.040	03/22/2006			1466356.705	599145.765
442-V-074	Actinium-227	4.6	0.200	0.200	03/22/2006	U		1466146.705	599175.765
442-V-074	Americium-241	63	0.081	0.081	03/22/2006	U		1466146.705	599175.765
442-V-074	Cesium-137	3.8	0.036	0.036	03/22/2006	U		1466146.705	599175.765
442-V-074	Cobalt-60	0.7	0.068	0.068	03/22/2006	U		1466146.705	599175.765
442-V-074	Lead-212	16.6	0.085	0.062	03/22/2006			1466146.705	599175.765
442-V-074	Plutonium-238	55	0.003	0.002	03/22/2006	J		1466146.705	599175.765
442-V-074	Plutonium-239/240	62	0.001	0.001	03/22/2006	U		1466146.705	599175.765
442-V-074	Potassium-40	47.8	1.180	0.530	03/22/2006			1466146.705	599175.765
442-V-074	Radium-226	2.9	0.170	0.170	03/22/2006	U		1466146.705	599175.765
442-V-074	Thorium-228	2.6	0.007	0.004	03/22/2006	J		1466146.705	599175.765
442-V-074	Thorium-230	2.8	0.021	0.003	03/22/2006	J		1466146.705	599175.765
442-V-074	Thorium-232	2.1	0.007	0.001	03/22/2006	J		1466146.705	599175.765
442-V-074	Uranium-234	2	0.193	0.063	03/22/2006	J		1466146.705	599175.765
442-V-074	Uranium-235	3.2	0.059	0.059	03/22/2006	U		1466146.705	599175.765
442-V-074	Uranium-238	2.2	0.192	0.078	03/22/2006	J		1466146.705	599175.765
442-V-075	Actinium-227	4.6	0.420	0.420	03/22/2006	U		1466176.705	599175.765
442-V-075	Actinium-228	1.93	0.890	0.300	03/22/2006			1466176.705	599175.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-075	Americium-241	63	0.160	0.160	03/22/2006	U		1466176.705	599175.765
442-V-075	Bismuth-214	1.17	0.930	0.180	03/22/2006			1466176.705	599175.765
442-V-075	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466176.705	599175.765
442-V-075	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466176.705	599175.765
442-V-075	Lead-212	16.6	1.160	0.150	03/22/2006			1466176.705	599175.765
442-V-075	Lead-214	8.9	1.130	0.140	03/22/2006			1466176.705	599175.765
442-V-075	Plutonium-238	55	0.020	0.020	03/22/2006	U		1466176.705	599175.765
442-V-075	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466176.705	599175.765
442-V-075	Potassium-40	47.8	18.400	0.600	03/22/2006			1466176.705	599175.765
442-V-075	Radium-226	2.9	0.930	0.180	03/22/2006	J		1466176.705	599175.765
442-V-075	Radium-228	2.1	0.890	0.300	03/22/2006			1466176.705	599175.765
442-V-075	Thallium-208	0.498	0.400	0.090	03/22/2006			1466176.705	599175.765
442-V-075	Thorium-228	2.6	1.070	0.030	03/22/2006			1466176.705	599175.765
442-V-075	Thorium-230	2.8	1.450	0.020	03/22/2006			1466176.705	599175.765
442-V-075	Thorium-232	2.1	1.110	0.010	03/22/2006			1466176.705	599175.765
442-V-075	Uranium-234	2	0.780	0.030	03/22/2006			1466176.705	599175.765
442-V-075	Uranium-235	3.2	0.052	0.052	03/22/2006	U		1466176.705	599175.765
442-V-075	Uranium-238	2.2	0.730	0.030	03/22/2006			1466176.705	599175.765
442-V-076	Actinium-227	4.6	0.510	0.510	03/22/2006	U	R	1466206.705	599175.765
442-V-076	Actinium-228	1.93	0.900	0.440	03/22/2006			1466206.705	599175.765
442-V-076	Americium-241	63	0.220	0.220	03/22/2006	U		1466206.705	599175.765
442-V-076	Bismuth-214	1.17	0.900	0.200	03/22/2006			1466206.705	599175.765
442-V-076	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466206.705	599175.765
442-V-076	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466206.705	599175.765
442-V-076	Lead-212	16.6	1.140	0.140	03/22/2006			1466206.705	599175.765
442-V-076	Lead-214	8.9	1.120	0.150	03/22/2006			1466206.705	599175.765
442-V-076	Plutonium-238	55	0.025	0.025	03/22/2006	U		1466206.705	599175.765
442-V-076	Plutonium-239/240	62	0.011	0.011	03/22/2006	U		1466206.705	599175.765
442-V-076	Potassium-40	47.8	16.600	1.100	03/22/2006			1466206.705	599175.765
442-V-076	Radium-226	2.9	0.900	0.200	03/22/2006	J	J	1466206.705	599175.765
442-V-076	Radium-228	2.1	0.900	0.440	03/22/2006			1466206.705	599175.765
442-V-076	Thallium-208	0.498	0.360	0.120	03/22/2006			1466206.705	599175.765
442-V-076	Thorium-228	2.6	1.120	0.020	03/22/2006			1466206.705	599175.765
442-V-076	Thorium-230	2.8	1.410	0.020	03/22/2006			1466206.705	599175.765
442-V-076	Thorium-232	2.1	1.080	0.010	03/22/2006			1466206.705	599175.765
442-V-076	Uranium-234	2	0.900	0.060	03/22/2006			1466206.705	599175.765
442-V-076	Uranium-235	3.2	0.041	0.037	03/22/2006	J		1466206.705	599175.765
442-V-076	Uranium-238	2.2	1.000	0.060	03/22/2006			1466206.705	599175.765
442-V-076D	Actinium-228	1.93	0.700	0.310	03/22/2006			1466206.705	599175.765
442-V-076D	Americium-241	63	0.210	0.210	03/22/2006	U		1466206.705	599175.765
442-V-076D	Bismuth-212	9.87	0.660	0.640	03/22/2006			1466206.705	599175.765
442-V-076D	Bismuth-214	1.17	0.870	0.170	03/22/2006			1466206.705	599175.765
442-V-076D	Cesium-137	3.8	0.098	0.098	03/22/2006	U		1466206.705	599175.765
442-V-076D	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466206.705	599175.765
442-V-076D	Lead-212	16.6	1.180	0.130	03/22/2006			1466206.705	599175.765
442-V-076D	Lead-214	8.9	0.930	0.150	03/22/2006			1466206.705	599175.765
442-V-076D	Plutonium-238	55	0.017	0.017	03/22/2006	U		1466206.705	599175.765
442-V-076D	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466206.705	599175.765
442-V-076D	Potassium-40	47.8	17.900	1.100	03/22/2006			1466206.705	599175.765
442-V-076D	Radium-226	2.9	0.870	0.170	03/22/2006	J	J	1466206.705	599175.765
442-V-076D	Radium-228	2.1	0.700	0.310	03/22/2006			1466206.705	599175.765
442-V-076D	Thallium-208	0.498	0.370	0.090	03/22/2006			1466206.705	599175.765
442-V-076D	Thorium-228	2.6	1.020	0.020	03/22/2006			1466206.705	599175.765
442-V-076D	Thorium-230	2.8	1.310	0.020	03/22/2006			1466206.705	599175.765
442-V-076D	Thorium-232	2.1	0.970	0.020	03/22/2006			1466206.705	599175.765
442-V-076D	Uranium-234	2	0.910	0.030	03/22/2006			1466206.705	599175.765
442-V-076D	Uranium-235	3.2	0.061	0.033	03/22/2006	J		1466206.705	599175.765
442-V-076D	Uranium-238	2.2	0.940	0.030	03/22/2006			1466206.705	599175.765
442-V-077	Actinium-227	4.6	0.510	0.510	03/22/2006	U		1466236.705	599175.765
442-V-077	Actinium-228	1.93	0.840	0.350	03/22/2006			1466236.705	599175.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-077	Americium-241	63	0.200	0.200	03/22/2006	U		1466236.705	599175.765
442-V-077	Cesium-137	3.8	0.087	0.087	03/22/2006	U		1466236.705	599175.765
442-V-077	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466236.705	599175.765
442-V-077	Lead-212	16.6	0.780	0.170	03/22/2006			1466236.705	599175.765
442-V-077	Lead-214	8.9	0.850	0.140	03/22/2006			1466236.705	599175.765
442-V-077	Plutonium-238	55	0.013	0.013	03/22/2006	U		1466236.705	599175.765
442-V-077	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466236.705	599175.765
442-V-077	Potassium-40	47.8	22.200	0.800	03/22/2006			1466236.705	599175.765
442-V-077	Radium-226	2.9	1.050	0.410	03/22/2006	J		1466236.705	599175.765
442-V-077	Radium-228	2.1	0.840	0.350	03/22/2006			1466236.705	599175.765
442-V-077	Thallium-208	0.498	0.350	0.080	03/22/2006			1466236.705	599175.765
442-V-077	Thorium-228	2.6	0.980	0.020	03/22/2006			1466236.705	599175.765
442-V-077	Thorium-230	2.8	1.300	0.030	03/22/2006			1466236.705	599175.765
442-V-077	Thorium-232	2.1	0.860	0.020	03/22/2006			1466236.705	599175.765
442-V-077	Uranium-234	2	0.890	0.050	03/22/2006			1466236.705	599175.765
442-V-077	Uranium-235	3.2	0.079	0.049	03/22/2006	J		1466236.705	599175.765
442-V-077	Uranium-238	2.2	0.970	0.050	03/22/2006			1466236.705	599175.765
442-V-078	Actinium-227	4.6	0.160	0.160	03/22/2006	U		1466266.705	599175.765
442-V-078	Americium-241	63	0.066	0.066	03/22/2006	U		1466266.705	599175.765
442-V-078	Cesium-137	3.8	0.043	0.043	03/22/2006	U		1466266.705	599175.765
442-V-078	Cobalt-60	0.7	0.056	0.056	03/22/2006	U		1466266.705	599175.765
442-V-078	Lead-212	16.6	0.096	0.059	03/22/2006			1466266.705	599175.765
442-V-078	Lead-214	8.9	0.133	0.067	03/22/2006			1466266.705	599175.765
442-V-078	Plutonium-238	55	0.104	0.026	03/22/2006			1466266.705	599175.765
442-V-078	Plutonium-239/240	62	0.026	0.026	03/22/2006	U		1466266.705	599175.765
442-V-078	Potassium-40	47.8	2.090	0.320	03/22/2006			1466266.705	599175.765
442-V-078	Radium-226	2.9	0.228	0.150	03/22/2006	J		1466266.705	599175.765
442-V-078	Thorium-228	2.6	0.234	0.051	03/22/2006			1466266.705	599175.765
442-V-078	Thorium-230	2.8	0.320	0.020	03/22/2006			1466266.705	599175.765
442-V-078	Thorium-232	2.1	0.194	0.017	03/22/2006			1466266.705	599175.765
442-V-078	Uranium-234	2	0.260	0.070	03/22/2006			1466266.705	599175.765
442-V-078	Uranium-235	3.2	0.056	0.056	03/22/2006	U		1466266.705	599175.765
442-V-078	Uranium-238	2.2	0.220	0.070	03/22/2006			1466266.705	599175.765
442-V-079	Actinium-228	1.93	1.190	0.310	03/22/2006			1466296.705	599175.765
442-V-079	Americium-241	63	0.180	0.180	03/22/2006	U		1466296.705	599175.765
442-V-079	Bismuth-212	9.87	0.950	0.670	03/22/2006			1466296.705	599175.765
442-V-079	Bismuth-214	1.17	0.560	0.180	03/22/2006			1466296.705	599175.765
442-V-079	Cesium-137	3.8	0.098	0.098	03/22/2006	U		1466296.705	599175.765
442-V-079	Cobalt-60	0.7	0.086	0.086	03/22/2006	U		1466296.705	599175.765
442-V-079	Lead-212	16.6	0.970	0.150	03/22/2006			1466296.705	599175.765
442-V-079	Lead-214	8.9	0.910	0.150	03/22/2006			1466296.705	599175.765
442-V-079	Plutonium-238	55	0.065	0.041	03/22/2006	J		1466296.705	599175.765
442-V-079	Plutonium-239/240	62	0.022	0.022	03/22/2006	U		1466296.705	599175.765
442-V-079	Potassium-40	47.8	21.500	0.900	03/22/2006			1466296.705	599175.765
442-V-079	Radium-226	2.9	0.560	0.180	03/22/2006	J	NJ	1466296.705	599175.765
442-V-079	Radium-228	2.1	1.190	0.310	03/22/2006			1466296.705	599175.765
442-V-079	Thallium-208	0.498	0.420	0.080	03/22/2006			1466296.705	599175.765
442-V-079	Thorium-228	2.6	1.040	0.030	03/22/2006			1466296.705	599175.765
442-V-079	Thorium-230	2.8	1.110	0.010	03/22/2006			1466296.705	599175.765
442-V-079	Thorium-232	2.1	0.990	0.020	03/22/2006			1466296.705	599175.765
442-V-079	Uranium-234	2	0.820	0.040	03/22/2006			1466296.705	599175.765
442-V-079	Uranium-235	3.2	0.094	0.068	03/22/2006	J		1466296.705	599175.765
442-V-079	Uranium-238	2.2	0.960	0.040	03/22/2006			1466296.705	599175.765
442-V-080	Actinium-227	4.6	1.640	0.750	03/22/2006			1466326.705	599175.765
442-V-080	Actinium-228	1.93	1.260	0.340	03/22/2006			1466326.705	599175.765
442-V-080	Americium-241	63	0.210	0.210	03/22/2006	U		1466326.705	599175.765
442-V-080	Bismuth-214	1.17	1.030	0.160	03/22/2006			1466326.705	599175.765
442-V-080	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466326.705	599175.765
442-V-080	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466326.705	599175.765
442-V-080	Lead-212	16.6	1.200	0.140	03/22/2006			1466326.705	599175.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-080	Lead-214	8.9	1.140	0.160	03/22/2006			1466326.705	599175.765
442-V-080	Plutonium-238	55	0.048	0.048	03/22/2006	U		1466326.705	599175.765
442-V-080	Plutonium-239/240	62	0.079	0.036	03/22/2006	J		1466326.705	599175.765
442-V-080	Potassium-40	47.8	19.200	1.100	03/22/2006			1466326.705	599175.765
442-V-080	Radium-226	2.9	1.030	0.160	03/22/2006	J		1466326.705	599175.765
442-V-080	Radium-228	2.1	1.260	0.340	03/22/2006			1466326.705	599175.765
442-V-080	Thallium-208**	0.498	0.520	0.080	03/22/2006			1466326.705	599175.765
442-V-080	Thorium-228	2.6	1.110	0.040	03/22/2006			1466326.705	599175.765
442-V-080	Thorium-230	2.8	1.540	0.020	03/22/2006			1466326.705	599175.765
442-V-080	Thorium-232	2.1	0.960	0.010	03/22/2006			1466326.705	599175.765
442-V-080	Uranium-234	2	0.720	0.040	03/22/2006			1466326.705	599175.765
442-V-080	Uranium-235	3.2	0.031	0.031	03/22/2006	U		1466326.705	599175.765
442-V-080	Uranium-238	2.2	0.860	0.020	03/22/2006			1466326.705	599175.765
442-V-081	Actinium-227	4.6	1.500	0.710	03/22/2006			1466356.705	599175.765
442-V-081	Actinium-228	1.93	1.090	0.220	03/22/2006			1466356.705	599175.765
442-V-081	Americium-241	63	0.210	0.210	03/22/2006	U		1466356.705	599175.765
442-V-081	Bismuth-212	9.87	1.170	0.710	03/22/2006			1466356.705	599175.765
442-V-081	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466356.705	599175.765
442-V-081	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466356.705	599175.765
442-V-081	Lead-212	16.6	0.970	0.130	03/22/2006			1466356.705	599175.765
442-V-081	Lead-214	8.9	0.920	0.170	03/22/2006			1466356.705	599175.765
442-V-081	Plutonium-238	55	0.098	0.040	03/22/2006	J		1466356.705	599175.765
442-V-081	Plutonium-239/240	62	0.029	0.029	03/22/2006	U		1466356.705	599175.765
442-V-081	Potassium-40	47.8	19.000	0.900	03/22/2006			1466356.705	599175.765
442-V-081	Radium-226	2.9	0.950	0.380	03/22/2006	J		1466356.705	599175.765
442-V-081	Radium-228	2.1	1.090	0.220	03/22/2006			1466356.705	599175.765
442-V-081	Thallium-208	0.498	0.390	0.090	03/22/2006			1466356.705	599175.765
442-V-081	Thorium-228	2.6	1.100	0.030	03/22/2006			1466356.705	599175.765
442-V-081	Thorium-230	2.8	1.390	0.020	03/22/2006			1466356.705	599175.765
442-V-081	Thorium-232	2.1	1.100	0.010	03/22/2006			1466356.705	599175.765
442-V-081	Uranium-234	2	0.740	0.030	03/22/2006			1466356.705	599175.765
442-V-081	Uranium-235	3.2	0.072	0.033	03/22/2006	J		1466356.705	599175.765
442-V-081	Uranium-238	2.2	0.880	0.040	03/22/2006			1466356.705	599175.765
442-V-082	Actinium-227	4.6	1.490	0.680	03/22/2006			1466386.705	599175.765
442-V-082	Actinium-228	1.93	0.830	0.240	03/22/2006			1466386.705	599175.765
442-V-082	Americium-241	63	0.180	0.180	03/22/2006	U		1466386.705	599175.765
442-V-082	Cesium-137	3.8	0.093	0.093	03/22/2006	U		1466386.705	599175.765
442-V-082	Cobalt-60	0.7	0.098	0.098	03/22/2006	U		1466386.705	599175.765
442-V-082	Lead-212	16.6	0.950	0.150	03/22/2006			1466386.705	599175.765
442-V-082	Lead-214	8.9	0.660	0.140	03/22/2006			1466386.705	599175.765
442-V-082	Plutonium-238	55	1.520	0.040	03/22/2006			1466386.705	599175.765
442-V-082	Plutonium-239/240	62	0.034	0.034	03/22/2006	U		1466386.705	599175.765
442-V-082	Potassium-40	47.8	11.600	1.000	03/22/2006			1466386.705	599175.765
442-V-082	Radium-226	2.9	0.590	0.300	03/22/2006	J		1466386.705	599175.765
442-V-082	Radium-228	2.1	0.830	0.240	03/22/2006			1466386.705	599175.765
442-V-082	Thallium-208	0.498	0.440	0.060	03/22/2006			1466386.705	599175.765
442-V-082	Thorium-228	2.6	1.190	0.050	03/22/2006			1466386.705	599175.765
442-V-082	Thorium-230	2.8	0.990	0.030	03/22/2006			1466386.705	599175.765
442-V-082	Thorium-232	2.1	1.300	0.020	03/22/2006			1466386.705	599175.765
442-V-082	Uranium-234	2	0.820	0.050	03/22/2006			1466386.705	599175.765
442-V-082	Uranium-235	3.2	0.056	0.056	03/22/2006	U		1466386.705	599175.765
442-V-082	Uranium-238	2.2	0.830	0.040	03/22/2006			1466386.705	599175.765
442-V-083	Actinium-227	4.6	1.180	0.700	03/22/2006			1466116.705	599205.765
442-V-083	Actinium-228	1.93	0.720	0.380	03/22/2006			1466116.705	599205.765
442-V-083	Americium-241	63	0.200	0.200	03/22/2006	U		1466116.705	599205.765
442-V-083	Cesium-137	3.8	0.120	0.120	03/22/2006	U		1466116.705	599205.765
442-V-083	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466116.705	599205.765
442-V-083	Lead-212	16.6	0.840	0.140	03/22/2006			1466116.705	599205.765
442-V-083	Lead-214	8.9	0.630	0.160	03/22/2006			1466116.705	599205.765
442-V-083	Plutonium-238	55	0.453	0.021	03/22/2006			1466116.705	599205.765

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Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-083	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466116.705	599205.765
442-V-083	Potassium-40	47.8	22.000	0.900	03/22/2006			1466116.705	599205.765
442-V-083	Radium-226	2.9	0.560	0.320	03/22/2006	J		1466116.705	599205.765
442-V-083	Radium-228	2.1	0.720	0.380	03/22/2006			1466116.705	599205.765
442-V-083	Thallium-208	0.498	0.252	0.084	03/22/2006			1466116.705	599205.765
442-V-083	Thorium-228	2.6	0.840	0.040	03/22/2006			1466116.705	599205.765
442-V-083	Thorium-230	2.8	0.800	0.040	03/22/2006			1466116.705	599205.765
442-V-083	Thorium-232	2.1	0.840	0.030	03/22/2006			1466116.705	599205.765
442-V-083	Uranium-234	2	0.730	0.050	03/22/2006			1466116.705	599205.765
442-V-083	Uranium-235	3.2	0.061	0.061	03/22/2006	U		1466116.705	599205.765
442-V-083	Uranium-238	2.2	0.760	0.060	03/22/2006			1466116.705	599205.765
442-V-084	Actinium-227	4.6	0.280	0.280	03/22/2006	U		1466146.705	599205.765
442-V-084	Americium-241	63	0.085	0.085	03/22/2006	U		1466146.705	599205.765
442-V-084	Cesium-137	3.8	0.052	0.052	03/22/2006	U		1466146.705	599205.765
442-V-084	Cobalt-60	0.7	0.058	0.058	03/22/2006	U		1466146.705	599205.765
442-V-084	Lead-212	16.6	0.129	0.071	03/22/2006			1466146.705	599205.765
442-V-084	Plutonium-238	55	0.059	0.040	03/22/2006	J		1466146.705	599205.765
442-V-084	Plutonium-239/240	62	0.029	0.029	03/22/2006	U		1466146.705	599205.765
442-V-084	Potassium-40	47.8	1.800	0.380	03/22/2006			1466146.705	599205.765
442-V-084	Radium-226	2.9	0.182	0.150	03/22/2006	J		1466146.705	599205.765
442-V-084	Thorium-228	2.6	0.125	0.025	03/22/2006			1466146.705	599205.765
442-V-084	Thorium-230	2.8	0.244	0.040	03/22/2006			1466146.705	599205.765
442-V-084	Thorium-232	2.1	0.138	0.028	03/22/2006			1466146.705	599205.765
442-V-084	Uranium-234	2	0.203	0.053	03/22/2006			1466146.705	599205.765
442-V-084	Uranium-235	3.2	0.060	0.060	03/22/2006	U		1466146.705	599205.765
442-V-084	Uranium-238	2.2	0.151	0.057	03/22/2006	J		1466146.705	599205.765
442-V-085	Actinium-227	4.6	0.390	0.390	03/22/2006	U		1466176.705	599205.765
442-V-085	Actinium-228	1.93	0.870	0.310	03/22/2006			1466176.705	599205.765
442-V-085	Americium-241	63	0.170	0.170	03/22/2006	U		1466176.705	599205.765
442-V-085	Bismuth-212	9.87	0.890	0.590	03/22/2006			1466176.705	599205.765
442-V-085	Bismuth-214	1.17	0.960	0.140	03/22/2006			1466176.705	599205.765
442-V-085	Cesium-137	3.8	0.091	0.091	03/22/2006	U		1466176.705	599205.765
442-V-085	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466176.705	599205.765
442-V-085	Lead-212	16.6	1.050	0.110	03/22/2006			1466176.705	599205.765
442-V-085	Lead-214	8.9	1.040	0.160	03/22/2006			1466176.705	599205.765
442-V-085	Plutonium-238	55	0.053	0.037	03/22/2006	J		1466176.705	599205.765
442-V-085	Plutonium-239/240	62	0.022	0.022	03/22/2006	U		1466176.705	599205.765
442-V-085	Potassium-40	47.8	14.600	1.000	03/22/2006			1466176.705	599205.765
442-V-085	Radium-226	2.9	0.960	0.140	03/22/2006	J		1466176.705	599205.765
442-V-085	Radium-228	2.1	0.870	0.310	03/22/2006			1466176.705	599205.765
442-V-085	Thallium-208	0.498	0.339	0.077	03/22/2006			1466176.705	599205.765
442-V-085	Thorium-228	2.6	0.950	0.080	03/22/2006			1466176.705	599205.765
442-V-085	Thorium-230	2.8	1.380	0.030	03/22/2006			1466176.705	599205.765
442-V-085	Thorium-232	2.1	0.840	0.050	03/22/2006			1466176.705	599205.765
442-V-085	Uranium-234	2	0.850	0.070	03/22/2006			1466176.705	599205.765
442-V-085	Uranium-235	3.2	0.053	0.053	03/22/2006	U		1466176.705	599205.765
442-V-085	Uranium-238	2.2	0.810	0.060	03/22/2006			1466176.705	599205.765
442-V-086	Actinium-227	4.6	0.490	0.490	03/22/2006	U		1466206.705	599205.765
442-V-086	Actinium-228	1.93	1.280	0.380	03/22/2006			1466206.705	599205.765
442-V-086	Americium-241	63	0.190	0.190	03/22/2006	U		1466206.705	599205.765
442-V-086	Bismuth-212	9.87	1.220	0.750	03/22/2006			1466206.705	599205.765
442-V-086	Bismuth-214**	1.17	1.230	0.180	03/22/2006			1466206.705	599205.765
442-V-086	Cesium-137	3.8	0.086	0.086	03/22/2006	U		1466206.705	599205.765
442-V-086	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466206.705	599205.765
442-V-086	Lead-212	16.6	1.210	0.180	03/22/2006			1466206.705	599205.765
442-V-086	Lead-214	8.9	1.150	0.170	03/22/2006			1466206.705	599205.765
442-V-086	Plutonium-238	55	0.029	0.017	03/22/2006	J		1466206.705	599205.765
442-V-086	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466206.705	599205.765
442-V-086	Potassium-40	47.8	16.700	0.800	03/22/2006			1466206.705	599205.765
442-V-086	Radium-226	2.9	1.230	0.180	03/22/2006	J		1466206.705	599205.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-086	Radium-228	2.1	1.280	0.380	03/22/2006			1466206.705	599205.765
442-V-086	Thallium-208	0.498	0.430	0.090	03/22/2006			1466206.705	599205.765
442-V-086	Thorium-228	2.6	0.950	0.020	03/22/2006			1466206.705	599205.765
442-V-086	Thorium-230	2.8	1.300	0.020	03/22/2006			1466206.705	599205.765
442-V-086	Thorium-232	2.1	1.000	0.010	03/22/2006			1466206.705	599205.765
442-V-086	Uranium-234	2	0.950	0.070	03/22/2006			1466206.705	599205.765
442-V-086	Uranium-235	3.2	0.054	0.054	03/22/2006	U		1466206.705	599205.765
442-V-086	Uranium-238	2.2	1.000	0.070	03/22/2006			1466206.705	599205.765
442-V-086D	Actinium-227	4.6	1.810	0.710	03/22/2006			1466206.705	599205.765
442-V-086D	Actinium-228	1.93	1.300	0.360	03/22/2006			1466206.705	599205.765
442-V-086D	Americium-241	63	0.200	0.200	03/22/2006	U		1466206.705	599205.765
442-V-086D	Bismuth-214	1.17	0.980	0.160	03/22/2006			1466206.705	599205.765
442-V-086D	Cesium-137	3.8	0.081	0.081	03/22/2006	U		1466206.705	599205.765
442-V-086D	Cobalt-60	0.7	0.098	0.098	03/22/2006	U		1466206.705	599205.765
442-V-086D	Lead-212	16.6	1.260	0.130	03/22/2006			1466206.705	599205.765
442-V-086D	Lead-214	8.9	1.250	0.140	03/22/2006			1466206.705	599205.765
442-V-086D	Plutonium-238	55	0.026	0.026	03/22/2006	U		1466206.705	599205.765
442-V-086D	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466206.705	599205.765
442-V-086D	Potassium-40	47.8	19.000	0.800	03/22/2006			1466206.705	599205.765
442-V-086D	Radium-226	2.9	0.980	0.160	03/22/2006	J		1466206.705	599205.765
442-V-086D	Radium-228	2.1	1.300	0.360	03/22/2006			1466206.705	599205.765
442-V-086D	Thallium-208	0.498	0.350	0.080	03/22/2006			1466206.705	599205.765
442-V-086D	Thorium-228	2.6	1.060	0.020	03/22/2006			1466206.705	599205.765
442-V-086D	Thorium-230	2.8	1.310	0.020	03/22/2006			1466206.705	599205.765
442-V-086D	Thorium-232	2.1	1.040	0.020	03/22/2006			1466206.705	599205.765
442-V-086D	Uranium-234	2	1.030	0.040	03/22/2006			1466206.705	599205.765
442-V-086D	Uranium-235	3.2	0.099	0.054	03/22/2006	J		1466206.705	599205.765
442-V-086D	Uranium-238	2.2	0.960	0.050	03/22/2006			1466206.705	599205.765
442-V-087	Actinium-227	4.6	0.430	0.430	03/22/2006	U		1466236.705	599205.765
442-V-087	Actinium-228	1.93	1.060	0.270	03/22/2006			1466236.705	599205.765
442-V-087	Americium-241	63	0.170	0.170	03/22/2006	U		1466236.705	599205.765
442-V-087	Bismuth-212	9.87	1.000	0.690	03/22/2006			1466236.705	599205.765
442-V-087	Cesium-137	3.8	0.095	0.095	03/22/2006	U		1466236.705	599205.765
442-V-087	Cobalt-60	0.7	0.088	0.088	03/22/2006	U		1466236.705	599205.765
442-V-087	Lead-212	16.6	0.690	0.150	03/22/2006			1466236.705	599205.765
442-V-087	Lead-214	8.9	0.740	0.140	03/22/2006			1466236.705	599205.765
442-V-087	Plutonium-238	55	0.057	0.023	03/22/2006	J		1466236.705	599205.765
442-V-087	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466236.705	599205.765
442-V-087	Potassium-40	47.8	17.100	0.600	03/22/2006			1466236.705	599205.765
442-V-087	Radium-226	2.9	0.710	0.340	03/22/2006	J		1466236.705	599205.765
442-V-087	Radium-228	2.1	1.060	0.270	03/22/2006			1466236.705	599205.765
442-V-087	Thallium-208	0.498	0.313	0.088	03/22/2006			1466236.705	599205.765
442-V-087	Thorium-228	2.6	0.870	0.020	03/22/2006			1466236.705	599205.765
442-V-087	Thorium-230	2.8	1.160	0.010	03/22/2006			1466236.705	599205.765
442-V-087	Thorium-232	2.1	0.890	0.005	03/22/2006			1466236.705	599205.765
442-V-087	Uranium-234	2	0.850	0.050	03/22/2006			1466236.705	599205.765
442-V-087	Uranium-235	3.2	0.059	0.052	03/22/2006	J		1466236.705	599205.765
442-V-087	Uranium-238	2.2	0.700	0.040	03/22/2006			1466236.705	599205.765
442-V-088	Actinium-227	4.6	0.240	0.240	03/22/2006	U		1466266.705	599205.765
442-V-088	Americium-241	63	0.093	0.093	03/22/2006	U		1466266.705	599205.765
442-V-088	Cesium-137	3.8	0.056	0.056	03/22/2006	U		1466266.705	599205.765
442-V-088	Cobalt-60	0.7	0.054	0.054	03/22/2006	U		1466266.705	599205.765
442-V-088	Lead-212	16.6	0.114	0.076	03/22/2006			1466266.705	599205.765
442-V-088	Lead-214	8.9	0.176	0.074	03/22/2006			1466266.705	599205.765
442-V-088	Plutonium-238	55	0.500	0.030	03/22/2006			1466266.705	599205.765
442-V-088	Plutonium-239/240	62	0.027	0.027	03/22/2006	U		1466266.705	599205.765
442-V-088	Potassium-40	47.8	3.370	0.490	03/22/2006			1466266.705	599205.765
442-V-088	Radium-226	2.9	0.168	0.160	03/22/2006	J		1466266.705	599205.765
442-V-088	Thallium-208	0.498	0.053	0.048	03/22/2006			1466266.705	599205.765
442-V-088	Thorium-228	2.6	0.214	0.036	03/22/2006			1466266.705	599205.765

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Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-088	Thorium-230	2.8	0.366	0.027	03/22/2006			1466266.705	599205.765
442-V-088	Thorium-232	2.1	0.281	0.014	03/22/2006			1466266.705	599205.765
442-V-088	Uranium-234	2	0.220	0.051	03/22/2006			1466266.705	599205.765
442-V-088	Uranium-235	3.2	0.057	0.057	03/22/2006	U		1466266.705	599205.765
442-V-088	Uranium-238	2.2	0.250	0.050	03/22/2006			1466266.705	599205.765
442-V-089	Actinium-227	4.6	0.200	0.200	03/22/2006	U		1466296.705	599205.765
442-V-089	Americium-241	63	0.077	0.077	03/22/2006	U		1466296.705	599205.765
442-V-089	Cesium-137	3.8	0.052	0.052	03/22/2006	U		1466296.705	599205.765
442-V-089	Cobalt-60	0.7	0.063	0.063	03/22/2006	U		1466296.705	599205.765
442-V-089	Lead-212	16.6	0.095	0.091	03/22/2006			1466296.705	599205.765
442-V-089	Plutonium-238	55	0.293	0.049	03/22/2006			1466296.705	599205.765
442-V-089	Plutonium-239/240	62	0.025	0.025	03/22/2006	U		1466296.705	599205.765
442-V-089	Potassium-40	47.8	1.920	0.470	03/22/2006			1466296.705	599205.765
442-V-089	Radium-226	2.9	0.180	0.180	03/22/2006	U		1466296.705	599205.765
442-V-089	Thorium-228	2.6	0.134	0.038	03/22/2006			1466296.705	599205.765
442-V-089	Thorium-230	2.8	0.237	0.014	03/22/2006			1466296.705	599205.765
442-V-089	Thorium-232	2.1	0.115	0.014	03/22/2006			1466296.705	599205.765
442-V-089	Uranium-234	2	0.211	0.053	03/22/2006			1466296.705	599205.765
442-V-089	Uranium-235	3.2	0.048	0.048	03/22/2006	U		1466296.705	599205.765
442-V-089	Uranium-238	2.2	0.260	0.080	03/22/2006			1466296.705	599205.765
442-V-090	Actinium-227	4.6	0.430	0.430	03/22/2006	U		1466326.705	599205.765
442-V-090	Actinium-228	1.93	0.610	0.340	03/22/2006			1466326.705	599205.765
442-V-090	Americium-241	63	0.160	0.160	03/22/2006	U		1466326.705	599205.765
442-V-090	Bismuth-214	1.17	0.680	0.150	03/22/2006			1466326.705	599205.765
442-V-090	Cesium-137	3.8	0.082	0.082	03/22/2006	U		1466326.705	599205.765
442-V-090	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466326.705	599205.765
442-V-090	Lead-212	16.6	0.570	0.140	03/22/2006			1466326.705	599205.765
442-V-090	Lead-214	8.9	0.700	0.150	03/22/2006			1466326.705	599205.765
442-V-090	Plutonium-238	55	0.017	0.017	03/22/2006	U		1466326.705	599205.765
442-V-090	Plutonium-239/240	62	0.006	0.003	03/22/2006	J		1466326.705	599205.765
442-V-090	Potassium-40	47.8	12.300	0.100	03/22/2006			1466326.705	599205.765
442-V-090	Radium-226	2.9	0.680	0.150	03/22/2006	J		1466326.705	599205.765
442-V-090	Radium-228	2.1	0.610	0.340	03/22/2006			1466326.705	599205.765
442-V-090	Thallium-208	0.498	0.272	0.080	03/22/2006			1466326.705	599205.765
442-V-090	Thorium-228	2.6	0.800	0.030	03/22/2006			1466326.705	599205.765
442-V-090	Thorium-230	2.8	0.990	0.020	03/22/2006			1466326.705	599205.765
442-V-090	Thorium-232	2.1	0.640	0.020	03/22/2006			1466326.705	599205.765
442-V-090	Uranium-234	2	0.900	0.050	03/22/2006			1466326.705	599205.765
442-V-090	Uranium-235	3.2	0.060	0.060	03/22/2006	U		1466326.705	599205.765
442-V-090	Uranium-238	2.2	0.840	0.050	03/22/2006			1466326.705	599205.765
442-V-091	Actinium-227	4.6	0.400	0.400	03/22/2006	U		1466356.705	599205.765
442-V-091	Americium-241	63	0.130	0.130	03/22/2006	U		1466356.705	599205.765
442-V-091	Cesium-137	3.8	0.075	0.075	03/22/2006	U		1466356.705	599205.765
442-V-091	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466356.705	599205.765
442-V-091	Lead-212	16.6	0.454	0.100	03/22/2006			1466356.705	599205.765
442-V-091	Lead-214	8.9	0.670	0.120	03/22/2006			1466356.705	599205.765
442-V-091	Plutonium-238	55	0.015	0.015	03/22/2006	U		1466356.705	599205.765
442-V-091	Plutonium-239/240	62	0.003	0.003	03/22/2006	J		1466356.705	599205.765
442-V-091	Potassium-40	47.8	10.600	0.600	03/22/2006			1466356.705	599205.765
442-V-091	Radium-226	2.9	0.670	0.310	03/22/2006	J		1466356.705	599205.765
442-V-091	Thallium-208	0.498	0.159	0.060	03/22/2006			1466356.705	599205.765
442-V-091	Thorium-228	2.6	0.363	0.034	03/22/2006			1466356.705	599205.765
442-V-091	Thorium-230	2.8	0.930	0.030	03/22/2006			1466356.705	599205.765
442-V-091	Thorium-232	2.1	0.380	0.024	03/22/2006			1466356.705	599205.765
442-V-091	Uranium-234	2	0.850	0.120	03/22/2006			1466356.705	599205.765
442-V-091	Uranium-235	3.2	0.080	0.080	03/22/2006	U		1466356.705	599205.765
442-V-091	Uranium-238	2.2	0.780	0.100	03/22/2006			1466356.705	599205.765
442-V-092	Actinium-227	4.6	0.390	0.390	03/22/2006	U		1466386.705	599205.765
442-V-092	Americium-241	63	0.150	0.150	03/22/2006	U		1466386.705	599205.765
442-V-092	Bismuth-214	1.17	0.780	0.150	03/22/2006			1466386.705	599205.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-092	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466386.705	599205.765
442-V-092	Cobalt-60	0.7	0.090	0.090	03/22/2006	U		1466386.705	599205.765
442-V-092	Lead-212	16.6	0.630	0.100	03/22/2006			1466386.705	599205.765
442-V-092	Lead-214	8.9	0.600	0.150	03/22/2006			1466386.705	599205.765
442-V-092	Plutonium-238	55	0.110	0.025	03/22/2006			1466386.705	599205.765
442-V-092	Plutonium-239/240	62	0.021	0.021	03/22/2006	U		1466386.705	599205.765
442-V-092	Potassium-40	47.8	11.200	0.800	03/22/2006			1466386.705	599205.765
442-V-092	Radium-226	2.9	0.780	0.150	03/22/2006	J		1466386.705	599205.765
442-V-092	Thallium-208	0.498	0.244	0.072	03/22/2006			1466386.705	599205.765
442-V-092	Thorium-228	2.6	0.750	0.030	03/22/2006			1466386.705	599205.765
442-V-092	Thorium-230	2.8	0.950	0.020	03/22/2006			1466386.705	599205.765
442-V-092	Thorium-232	2.1	0.720	0.020	03/22/2006			1466386.705	599205.765
442-V-092	Uranium-234	2	0.650	0.040	03/22/2006			1466386.705	599205.765
442-V-092	Uranium-235	3.2	0.033	0.033	03/22/2006	U		1466386.705	599205.765
442-V-092	Uranium-238	2.2	0.700	0.030	03/22/2006			1466386.705	599205.765
442-V-093	Actinium-227	4.6	0.230	0.230	03/22/2006	U		1466116.705	599235.765
442-V-093	Americium-241	63	0.088	0.088	03/22/2006	U		1466116.705	599235.765
442-V-093	Cesium-137	3.8	0.034	0.034	03/22/2006	U		1466116.705	599235.765
442-V-093	Cobalt-60	0.7	0.060	0.060	03/22/2006	U		1466116.705	599235.765
442-V-093	Lead-212	16.6	0.086	0.072	03/22/2006			1466116.705	599235.765
442-V-093	Plutonium-238	55	0.020	0.020	03/22/2006	U		1466116.705	599235.765
442-V-093	Plutonium-239/240	62	0.011	0.011	03/22/2006	U		1466116.705	599235.765
442-V-093	Potassium-40	47.8	1.150	0.410	03/22/2006			1466116.705	599235.765
442-V-093	Radium-226	2.9	0.160	0.160	03/22/2006	U		1466116.705	599235.765
442-V-093	Thorium-228	2.6	0.169	0.040	03/22/2006			1466116.705	599235.765
442-V-093	Thorium-230	2.8	0.253	0.025	03/22/2006			1466116.705	599235.765
442-V-093	Thorium-232	2.1	0.096	0.029	03/22/2006	J		1466116.705	599235.765
442-V-093	Uranium-234	2	0.096	0.063	03/22/2006	J		1466116.705	599235.765
442-V-093	Uranium-235	3.2	0.059	0.059	03/22/2006	U		1466116.705	599235.765
442-V-093	Uranium-238	2.2	0.123	0.078	03/22/2006	J		1466116.705	599235.765
442-V-094	Actinium-227	4.6	0.800	0.690	03/22/2006			1466146.705	599235.765
442-V-094	Actinium-228	1.93	0.830	0.330	03/22/2006			1466146.705	599235.765
442-V-094	Americium-241	63	0.210	0.210	03/22/2006	U		1466146.705	599235.765
442-V-094	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466146.705	599235.765
442-V-094	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466146.705	599235.765
442-V-094	Lead-212	16.6	0.950	0.170	03/22/2006			1466146.705	599235.765
442-V-094	Lead-214	8.9	0.630	0.160	03/22/2006			1466146.705	599235.765
442-V-094	Plutonium-238	55	0.236	0.011	03/22/2006			1466146.705	599235.765
442-V-094	Plutonium-239/240	62	0.009	0.007	03/22/2006	J		1466146.705	599235.765
442-V-094	Potassium-40	47.8	24.400	1.000	03/22/2006			1466146.705	599235.765
442-V-094	Radium-226	2.9	0.670	0.370	03/22/2006	J		1466146.705	599235.765
442-V-094	Radium-228	2.1	0.830	0.330	03/22/2006			1466146.705	599235.765
442-V-094	Thallium-208	0.498	0.460	0.090	03/22/2006			1466146.705	599235.765
442-V-094	Thorium-228	2.6	1.030	0.010	03/22/2006			1466146.705	599235.765
442-V-094	Thorium-230	2.8	0.894	0.020	03/22/2006			1466146.705	599235.765
442-V-094	Thorium-232	2.1	0.935	0.013	03/22/2006			1466146.705	599235.765
442-V-094	Uranium-234	2	0.840	0.050	03/22/2006			1466146.705	599235.765
442-V-094	Uranium-235	3.2	0.048	0.043	03/22/2006	J		1466146.705	599235.765
442-V-094	Uranium-238	2.2	0.840	0.030	03/22/2006			1466146.705	599235.765
442-V-095	Actinium-227	4.6	0.700	0.550	03/22/2006	J		1466176.705	599235.765
442-V-095	Actinium-228	1.93	0.450	0.320	03/22/2006			1466176.705	599235.765
442-V-095	Americium-241	63	0.160	0.160	03/22/2006	U		1466176.705	599235.765
442-V-095	Cesium-137	3.8	0.091	0.091	03/22/2006	U		1466176.705	599235.765
442-V-095	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466176.705	599235.765
442-V-095	Lead-212	16.6	0.490	0.130	03/22/2006			1466176.705	599235.765
442-V-095	Lead-214	8.9	0.480	0.140	03/22/2006			1466176.705	599235.765
442-V-095	Plutonium-238	55	0.122	0.032	03/22/2006			1466176.705	599235.765
442-V-095	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466176.705	599235.765
442-V-095	Potassium-40	47.8	18.000	0.700	03/22/2006			1466176.705	599235.765
442-V-095	Radium-226	2.9	0.420	0.300	03/22/2006	J		1466176.705	599235.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-095	Radium-228	2.1	0.450	0.320	03/22/2006			1466176.705	599235.765
442-V-095	Thallium-208	0.498	0.340	0.082	03/22/2006			1466176.705	599235.765
442-V-095	Thorium-228	2.6	0.920	0.040	03/22/2006			1466176.705	599235.765
442-V-095	Thorium-230	2.8	0.930	0.030	03/22/2006			1466176.705	599235.765
442-V-095	Thorium-232	2.1	0.850	0.020	03/22/2006			1466176.705	599235.765
442-V-095	Uranium-234	2	0.750	0.050	03/22/2006			1466176.705	599235.765
442-V-095	Uranium-235	3.2	0.034	0.034	03/22/2006	U		1466176.705	599235.765
442-V-095	Uranium-238	2.2	0.610	0.050	03/22/2006			1466176.705	599235.765
442-V-096A	Actinium-227	4.6	0.380	0.380	04/13/2006	U		1466206.705	599235.765
442-V-096A	Actinium-228	1.93	0.650	0.330	04/13/2006			1466206.705	599235.765
442-V-096A	Americium-241	63	0.150	0.150	04/13/2006	U		1466206.705	599235.765
442-V-096A	Cesium-137	3.8	0.086	0.086	04/13/2006	U		1466206.705	599235.765
442-V-096A	Cobalt-60	0.7	0.110	0.110	04/13/2006	U		1466206.705	599235.765
442-V-096A	Lead-212	16.6	0.530	0.140	04/13/2006			1466206.705	599235.765
442-V-096A	Lead-214	8.9	0.730	0.140	04/13/2006			1466206.705	599235.765
442-V-096A	Plutonium-238	55	0.049	0.015	04/13/2006			1466206.705	599235.765
442-V-096A	Plutonium-239/240	62	0.009	0.009	04/13/2006	U		1466206.705	599235.765
442-V-096A	Potassium-40	47.8	11.000	0.700	04/13/2006			1466206.705	599235.765
442-V-096A	Radium-226	2.9	0.870	0.400	04/13/2006	J		1466206.705	599235.765
442-V-096A	Radium-228	2.1	0.650	0.330	04/13/2006			1466206.705	599235.765
442-V-096A	Thallium-208	0.498	0.191	0.086	04/13/2006			1466206.705	599235.765
442-V-096A	Thorium-228	2.6	0.620	0.030	04/13/2006			1466206.705	599235.765
442-V-096A	Thorium-230	2.8	1.080	0.010	04/13/2006			1466206.705	599235.765
442-V-096A	Thorium-232	2.1	0.570	0.020	04/13/2006			1466206.705	599235.765
442-V-096A	Uranium-234	2	0.530	0.060	04/13/2006			1466206.705	599235.765
442-V-096A	Uranium-235	3.2	0.066	0.036	04/13/2006	J		1466206.705	599235.765
442-V-096A	Uranium-238	2.2	0.560	0.030	04/13/2006			1466206.705	599235.765
442-V-096AD	Actinium-227	4.6	0.430	0.430	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Americium-241	63	0.170	0.170	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Cesium-137	3.8	0.090	0.090	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Cobalt-60	0.7	0.079	0.079	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Lead-212	16.6	0.370	0.160	04/13/2006			1466206.705	599235.765
442-V-096AD	Lead-214	8.9	0.550	0.150	04/13/2006			1466206.705	599235.765
442-V-096AD	Plutonium-238	55	0.049	0.041	04/13/2006			1466206.705	599235.765
442-V-096AD	Plutonium-239/240	62	0.022	0.022	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Potassium-40	47.8	8.500	1.000	04/13/2006			1466206.705	599235.765
442-V-096AD	Radium-226	2.9	0.610	0.390	04/13/2006	J		1466206.705	599235.765
442-V-096AD	Thallium-208	0.498	0.277	0.085	04/13/2006			1466206.705	599235.765
442-V-096AD	Thorium-228	2.6	0.650	0.050	04/13/2006			1466206.705	599235.765
442-V-096AD	Thorium-230	2.8	0.970	0.030	04/13/2006			1466206.705	599235.765
442-V-096AD	Thorium-232	2.1	0.690	0.020	04/13/2006			1466206.705	599235.765
442-V-096AD	Uranium-234	2	0.600	0.050	04/13/2006			1466206.705	599235.765
442-V-096AD	Uranium-235	3.2	0.034	0.034	04/13/2006	U		1466206.705	599235.765
442-V-096AD	Uranium-238	2.2	0.610	0.050	04/13/2006			1466206.705	599235.765
442-V-097	Actinium-227	4.6	0.410	0.410	03/22/2006	U		1466236.705	599235.765
442-V-097	Actinium-228	1.93	1.110	0.240	03/22/2006			1466236.705	599235.765
442-V-097	Americium-241	63	0.160	0.160	03/22/2006	U		1466236.705	599235.765
442-V-097	Cesium-137	3.8	0.093	0.093	03/22/2006	U		1466236.705	599235.765
442-V-097	Cobalt-60	0.7	0.083	0.083	03/22/2006	U		1466236.705	599235.765
442-V-097	Lead-212	16.6	1.080	0.120	03/22/2006			1466236.705	599235.765
442-V-097	Lead-214	8.9	0.860	0.130	03/22/2006			1466236.705	599235.765
442-V-097	Plutonium-238	55	0.141	0.019	03/22/2006			1466236.705	599235.765
442-V-097	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466236.705	599235.765
442-V-097	Potassium-40	47.8	19.500	0.900	03/22/2006			1466236.705	599235.765
442-V-097	Radium-226	2.9	0.800	0.350	03/22/2006	J		1466236.705	599235.765
442-V-097	Radium-228	2.1	1.110	0.240	03/22/2006			1466236.705	599235.765
442-V-097	Thallium-208	0.498	0.343	0.055	03/22/2006			1466236.705	599235.765
442-V-097	Thorium-228	2.6	1.060	0.020	03/22/2006			1466236.705	599235.765
442-V-097	Thorium-230	2.8	1.350	0.004	03/22/2006			1466236.705	599235.765
442-V-097	Thorium-232	2.1	1.090	0.004	03/22/2006			1466236.705	599235.765

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Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-097	Uranium-234	2	0.620	0.030	03/22/2006			1466236.705	599235.765
442-V-097	Uranium-235	3.2	0.047	0.032	03/22/2006	J		1466236.705	599235.765
442-V-097	Uranium-238	2.2	0.710	0.050	03/22/2006			1466236.705	599235.765
442-V-098	Actinium-227	4.6	0.440	0.440	03/22/2006	U		1466266.705	599235.765
442-V-098	Americium-241	63	0.150	0.150	03/22/2006	U		1466266.705	599235.765
442-V-098	Cesium-137	3.8	0.086	0.086	03/22/2006	U		1466266.705	599235.765
442-V-098	Cobalt-60	0.7	0.077	0.077	03/22/2006	U		1466266.705	599235.765
442-V-098	Lead-212	16.6	0.320	0.130	03/22/2006			1466266.705	599235.765
442-V-098	Lead-214	8.9	0.390	0.120	03/22/2006			1466266.705	599235.765
442-V-098	Plutonium-238	55	0.166	0.021	03/22/2006			1466266.705	599235.765
442-V-098	Plutonium-239/240	62	0.014	0.014	03/22/2006	U		1466266.705	599235.765
442-V-098	Potassium-40	47.8	7.800	1.000	03/22/2006			1466266.705	599235.765
442-V-098	Radium-226	2.9	0.420	0.270	03/22/2006	J		1466266.705	599235.765
442-V-098	Thallium-208	0.498	0.116	0.056	03/22/2006			1466266.705	599235.765
442-V-098	Thorium-228	2.6	0.561	0.026	03/22/2006			1466266.705	599235.765
442-V-098	Thorium-230	2.8	0.727	0.014	03/22/2006			1466266.705	599235.765
442-V-098	Thorium-232	2.1	0.568	0.012	03/22/2006			1466266.705	599235.765
442-V-098	Uranium-234	2	0.600	0.040	03/22/2006			1466266.705	599235.765
442-V-098	Uranium-235	3.2	0.035	0.035	03/22/2006	U		1466266.705	599235.765
442-V-098	Uranium-238	2.2	0.590	0.040	03/22/2006			1466266.705	599235.765
442-V-099	Actinium-227	4.6	0.260	0.260	03/22/2006	U		1466296.705	599235.765
442-V-099	Americium-241	63	0.081	0.081	03/22/2006	U		1466296.705	599235.765
442-V-099	Cesium-137	3.8	0.050	0.050	03/22/2006	U		1466296.705	599235.765
442-V-099	Cobalt-60	0.7	0.041	0.041	03/22/2006	U		1466296.705	599235.765
442-V-099	Lead-212	16.6	0.129	0.076	03/22/2006			1466296.705	599235.765
442-V-099	Lead-214	8.9	0.174	0.073	03/22/2006			1466296.705	599235.765
442-V-099	Plutonium-238	55	0.178	0.043	03/22/2006			1466296.705	599235.765
442-V-099	Plutonium-239/240	62	0.022	0.022	03/22/2006	U		1466296.705	599235.765
442-V-099	Potassium-40	47.8	1.780	0.520	03/22/2006			1466296.705	599235.765
442-V-099	Radium-226	2.9	0.160	0.160	03/22/2006	U		1466296.705	599235.765
442-V-099	Thorium-228	2.6	0.286	0.033	03/22/2006			1466296.705	599235.765
442-V-099	Thorium-230	2.8	0.282	0.021	03/22/2006			1466296.705	599235.765
442-V-099	Thorium-232	2.1	0.203	0.013	03/22/2006			1466296.705	599235.765
442-V-099	Uranium-234	2	0.250	0.070	03/22/2006			1466296.705	599235.765
442-V-099	Uranium-235	3.2	0.062	0.062	03/22/2006	U		1466296.705	599235.765
442-V-099	Uranium-238	2.2	0.240	0.080	03/22/2006			1466296.705	599235.765
442-V-100	Actinium-227	4.6	0.390	0.390	03/22/2006	U		1466326.705	599235.765
442-V-100	Actinium-228	1.93	0.480	0.280	03/22/2006			1466326.705	599235.765
442-V-100	Americium-241	63	0.160	0.160	03/22/2006	U		1466326.705	599235.765
442-V-100	Bismuth-214	1.17	0.520	0.140	03/22/2006			1466326.705	599235.765
442-V-100	Cesium-137	3.8	0.120	0.120	03/22/2006	U		1466326.705	599235.765
442-V-100	Cobalt-60	0.7	0.086	0.086	03/22/2006	U		1466326.705	599235.765
442-V-100	Lead-212	16.6	0.680	0.100	03/22/2006			1466326.705	599235.765
442-V-100	Lead-214	8.9	0.680	0.140	03/22/2006			1466326.705	599235.765
442-V-100	Plutonium-238	55	0.305	0.022	03/22/2006			1466326.705	599235.765
442-V-100	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466326.705	599235.765
442-V-100	Potassium-40	47.8	12.400	1.100	03/22/2006			1466326.705	599235.765
442-V-100	Radium-226	2.9	0.520	0.140	03/22/2006	J		1466326.705	599235.765
442-V-100	Radium-228	2.1	0.480	0.280	03/22/2006			1466326.705	599235.765
442-V-100	Thallium-208	0.498	0.358	0.084	03/22/2006			1466326.705	599235.765
442-V-100	Thorium-228	2.6	0.680	0.030	03/22/2006			1466326.705	599235.765
442-V-100	Thorium-230	2.8	0.770	0.020	03/22/2006			1466326.705	599235.765
442-V-100	Thorium-232	2.1	0.790	0.020	03/22/2006			1466326.705	599235.765
442-V-100	Uranium-234	2	0.810	0.060	03/22/2006			1466326.705	599235.765
442-V-100	Uranium-235	3.2	0.098	0.063	03/22/2006	J		1466326.705	599235.765
442-V-100	Uranium-238	2.2	0.780	0.060	03/22/2006			1466326.705	599235.765
442-V-100D	Actinium-227	4.6	1.300	0.600	03/22/2006			1466326.705	599235.765
442-V-100D	Actinium-228	1.93	0.510	0.300	03/22/2006			1466326.705	599235.765
442-V-100D	Americium-241	63	0.170	0.170	03/22/2006	U		1466326.705	599235.765
442-V-100D	Bismuth-214	1.17	0.590	0.150	03/22/2006			1466326.705	599235.765

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Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-100D	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466326.705	599235.765
442-V-100D	Cobalt-60	0.7	0.076	0.076	03/22/2006	U		1466326.705	599235.765
442-V-100D	Lead-212	16.6	0.560	0.130	03/22/2006			1466326.705	599235.765
442-V-100D	Lead-214	8.9	0.700	0.130	03/22/2006			1466326.705	599235.765
442-V-100D	Plutonium-238	55	0.376	0.044	03/22/2006			1466326.705	599235.765
442-V-100D	Plutonium-239/240	62	0.023	0.023	03/22/2006	U		1466326.705	599235.765
442-V-100D	Potassium-40	47.8	13.200	0.800	03/22/2006			1466326.705	599235.765
442-V-100D	Radium-226	2.9	0.590	0.150	03/22/2006	J		1466326.705	599235.765
442-V-100D	Radium-228	2.1	0.510	0.300	03/22/2006			1466326.705	599235.765
442-V-100D	Thallium-208	0.498	0.231	0.077	03/22/2006			1466326.705	599235.765
442-V-100D	Thorium-228	2.6	0.890	0.030	03/22/2006			1466326.705	599235.765
442-V-100D	Thorium-230	2.8	1.060	0.010	03/22/2006			1466326.705	599235.765
442-V-100D	Thorium-232	2.1	0.980	0.020	03/22/2006			1466326.705	599235.765
442-V-100D	Uranium-234	2	0.910	0.070	03/22/2006			1466326.705	599235.765
442-V-100D	Uranium-235	3.2	0.079	0.079	03/22/2006	U		1466326.705	599235.765
442-V-100D	Uranium-238	2.2	0.940	0.030	03/22/2006			1466326.705	599235.765
442-V-101	Actinium-227	4.6	0.460	0.460	03/22/2006	U		1466356.705	599235.765
442-V-101	Actinium-228	1.93	1.270	0.310	03/22/2006			1466356.705	599235.765
442-V-101	Americium-241	63	0.190	0.190	03/22/2006	U		1466356.705	599235.765
442-V-101	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466356.705	599235.765
442-V-101	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466356.705	599235.765
442-V-101	Lead-212	16.6	1.110	0.130	03/22/2006			1466356.705	599235.765
442-V-101	Lead-214	8.9	0.890	0.170	03/22/2006			1466356.705	599235.765
442-V-101	Plutonium-238	55	0.007	0.007	03/22/2006	U		1466356.705	599235.765
442-V-101	Plutonium-239/240	62	0.007	0.007	03/22/2006	U		1466356.705	599235.765
442-V-101	Potassium-40	47.8	24.900	0.800	03/22/2006			1466356.705	599235.765
442-V-101	Radium-226	2.9	0.640	0.360	03/22/2006	J		1466356.705	599235.765
442-V-101	Radium-228	2.1	1.270	0.310	03/22/2006			1466356.705	599235.765
442-V-101	Thallium-208	0.498	0.450	0.090	03/22/2006			1466356.705	599235.765
442-V-101	Thorium-228	2.6	1.330	0.030	03/22/2006			1466356.705	599235.765
442-V-101	Thorium-230	2.8	1.130	0.020	03/22/2006			1466356.705	599235.765
442-V-101	Thorium-232	2.1	1.230	0.020	03/22/2006			1466356.705	599235.765
442-V-101	Uranium-234	2	0.910	0.030	03/22/2006			1466356.705	599235.765
442-V-101	Uranium-235	3.2	0.098	0.053	03/22/2006	J		1466356.705	599235.765
442-V-101	Uranium-238	2.2	0.820	0.030	03/22/2006			1466356.705	599235.765
442-V-102	Actinium-227	4.6	0.290	0.290	03/22/2006	U		1466386.705	599235.765
442-V-102	Actinium-228	1.93	0.600	0.280	03/22/2006			1466386.705	599235.765
442-V-102	Americium-241	63	0.130	0.130	03/22/2006	U		1466386.705	599235.765
442-V-102	Bismuth-214	1.17	0.620	0.130	03/22/2006			1466386.705	599235.765
442-V-102	Cesium-137	3.8	0.061	0.061	03/22/2006	U		1466386.705	599235.765
442-V-102	Cobalt-60	0.7	0.095	0.095	03/22/2006	U		1466386.705	599235.765
442-V-102	Lead-212	16.6	0.640	0.080	03/22/2006			1466386.705	599235.765
442-V-102	Lead-214	8.9	0.630	0.120	03/22/2006			1466386.705	599235.765
442-V-102	Plutonium-238	55	0.530	0.040	03/22/2006			1466386.705	599235.765
442-V-102	Plutonium-239/240	62	0.024	0.024	03/22/2006	U		1466386.705	599235.765
442-V-102	Potassium-40	47.8	10.000	0.700	03/22/2006			1466386.705	599235.765
442-V-102	Radium-226	2.9	0.620	0.130	03/22/2006	J		1466386.705	599235.765
442-V-102	Radium-228	2.1	0.600	0.280	03/22/2006			1466386.705	599235.765
442-V-102	Thallium-208	0.498	0.174	0.060	03/22/2006			1466386.705	599235.765
442-V-102	Thorium-228	2.6	0.840	0.030	03/22/2006			1466386.705	599235.765
442-V-102	Thorium-230	2.8	1.070	0.010	03/22/2006			1466386.705	599235.765
442-V-102	Thorium-232	2.1	0.590	0.010	03/22/2006			1466386.705	599235.765
442-V-102	Uranium-234	2	0.660	0.050	03/22/2006			1466386.705	599235.765
442-V-102	Uranium-235	3.2	0.066	0.049	03/22/2006	J		1466386.705	599235.765
442-V-102	Uranium-238	2.2	0.830	0.040	03/22/2006			1466386.705	599235.765
442-V-103	Actinium-227	4.6	0.760	0.540	03/22/2006	J		1466116.705	599265.765
442-V-103	Actinium-228	1.93	0.640	0.260	03/22/2006			1466116.705	599265.765
442-V-103	Americium-241	63	0.170	0.170	03/22/2006	U		1466116.705	599265.765
442-V-103	Bismuth-212	9.87	0.740	0.570	03/22/2006			1466116.705	599265.765
442-V-103	Cesium-137	3.8	0.085	0.085	03/22/2006	U		1466116.705	599265.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-103	Cobalt-60	0.7	0.084	0.084	03/22/2006	U		1466116.705	599265.765
442-V-103	Lead-212	16.6	0.560	0.120	03/22/2006			1466116.705	599265.765
442-V-103	Lead-214	8.9	0.580	0.140	03/22/2006			1466116.705	599265.765
442-V-103	Plutonium-238	55	0.187	0.018	03/22/2006			1466116.705	599265.765
442-V-103	Plutonium-239/240	62	0.018	0.018	03/22/2006	U		1466116.705	599265.765
442-V-103	Potassium-40	47.8	14.100	0.600	03/22/2006			1466116.705	599265.765
442-V-103	Radium-226	2.9	0.490	0.290	03/22/2006	J		1466116.705	599265.765
442-V-103	Radium-228	2.1	0.640	0.260	03/22/2006			1466116.705	599265.765
442-V-103	Thallium-208	0.498	0.149	0.080	03/22/2006			1466116.705	599265.765
442-V-103	Thorium-228	2.6	0.710	0.040	03/22/2006			1466116.705	599265.765
442-V-103	Thorium-230	2.8	0.670	0.030	03/22/2006			1466116.705	599265.765
442-V-103	Thorium-232	2.1	0.560	0.020	03/22/2006			1466116.705	599265.765
442-V-103	Uranium-234	2	0.650	0.090	03/22/2006			1466116.705	599265.765
442-V-103	Uranium-235	3.2	0.070	0.070	03/22/2006	U		1466116.705	599265.765
442-V-103	Uranium-238	2.2	0.710	0.090	03/22/2006			1466116.705	599265.765
442-V-103D	Actinium-227	4.6	0.400	0.400	03/22/2006	U		1466116.705	599265.765
442-V-103D	Actinium-228	1.93	0.610	0.260	03/22/2006			1466116.705	599265.765
442-V-103D	Americium-241	63	0.150	0.150	03/22/2006	U		1466116.705	599265.765
442-V-103D	Cesium-137	3.8	0.073	0.073	03/22/2006	U		1466116.705	599265.765
442-V-103D	Cobalt-60	0.7	0.077	0.077	03/22/2006	U		1466116.705	599265.765
442-V-103D	Lead-212	16.6	0.530	0.120	03/22/2006			1466116.705	599265.765
442-V-103D	Lead-214	8.9	0.580	0.120	03/22/2006			1466116.705	599265.765
442-V-103D	Plutonium-238	55	0.264	0.032	03/22/2006			1466116.705	599265.765
442-V-103D	Plutonium-239/240	62	0.010	0.010	03/22/2006	U		1466116.705	599265.765
442-V-103D	Potassium-40	47.8	12.600	0.800	03/22/2006			1466116.705	599265.765
442-V-103D	Radium-226	2.9	0.430	0.300	03/22/2006	J		1466116.705	599265.765
442-V-103D	Radium-228	2.1	0.610	0.260	03/22/2006			1466116.705	599265.765
442-V-103D	Thallium-208	0.498	0.234	0.078	03/22/2006			1466116.705	599265.765
442-V-103D	Thorium-228	2.6	0.700	0.030	03/22/2006			1466116.705	599265.765
442-V-103D	Thorium-230	2.8	0.790	0.020	03/22/2006			1466116.705	599265.765
442-V-103D	Thorium-232	2.1	0.630	0.020	03/22/2006			1466116.705	599265.765
442-V-103D	Uranium-234	2	0.730	0.060	03/22/2006			1466116.705	599265.765
442-V-103D	Uranium-235	3.2	0.058	0.051	03/22/2006	J		1466116.705	599265.765
442-V-103D	Uranium-238	2.2	0.580	0.080	03/22/2006			1466116.705	599265.765
442-V-104	Actinium-227	4.6	1.040	0.510	03/22/2006			1466146.705	599265.765
442-V-104	Actinium-228	1.93	0.710	0.250	03/22/2006			1466146.705	599265.765
442-V-104	Americium-241	63	0.160	0.160	03/22/2006	U		1466146.705	599265.765
442-V-104	Bismuth-214	1.17	0.850	0.140	03/22/2006			1466146.705	599265.765
442-V-104	Cesium-137	3.8	0.087	0.087	03/22/2006	U		1466146.705	599265.765
442-V-104	Cobalt-60	0.7	0.090	0.090	03/22/2006	U		1466146.705	599265.765
442-V-104	Lead-212	16.6	0.642	0.100	03/22/2006			1466146.705	599265.765
442-V-104	Lead-214	8.9	0.800	0.130	03/22/2006			1466146.705	599265.765
442-V-104	Plutonium-238	55	0.060	0.017	03/22/2006	J		1466146.705	599265.765
442-V-104	Plutonium-239/240	62	0.013	0.013	03/22/2006	U		1466146.705	599265.765
442-V-104	Potassium-40	47.8	14.000	0.900	03/22/2006			1466146.705	599265.765
442-V-104	Radium-226	2.9	0.850	0.140	03/22/2006	J		1466146.705	599265.765
442-V-104	Radium-228	2.1	0.710	0.250	03/22/2006			1466146.705	599265.765
442-V-104	Thallium-208	0.498	0.163	0.073	03/22/2006			1466146.705	599265.765
442-V-104	Thorium-228	2.6	0.804	0.019	03/22/2006			1466146.705	599265.765
442-V-104	Thorium-230	2.8	1.040	0.010	03/22/2006			1466146.705	599265.765
442-V-104	Thorium-232	2.1	0.739	0.005	03/22/2006			1466146.705	599265.765
442-V-104	Thorium-234	176	2.000	1.500	03/22/2006			1466146.705	599265.765
442-V-104	Uranium-234	2	0.950	0.030	03/22/2006			1466146.705	599265.765
442-V-104	Uranium-235	3.2	0.040	0.040	03/22/2006	U		1466146.705	599265.765
442-V-104	Uranium-238	2.2	0.850	0.050	03/22/2006			1466146.705	599265.765
442-V-105	Actinium-227	4.6	0.560	0.560	03/22/2006	U		1466176.705	599265.765
442-V-105	Actinium-228	1.93	1.550	0.360	03/22/2006			1466176.705	599265.765
442-V-105	Americium-241	63	0.210	0.210	03/22/2006	U		1466176.705	599265.765
442-V-105	Bismuth-212	9.87	1.460	0.750	03/22/2006			1466176.705	599265.765
442-V-105	Bismuth-214	1.17	0.660	0.190	03/22/2006			1466176.705	599265.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-105	Cesium-137	3.8	0.104	0.100	03/22/2006	U		1466176.705	599265.765
442-V-105	Cobalt-60	0.7	0.093	0.093	03/22/2006	U		1466176.705	599265.765
442-V-105	Lead-212	16.6	1.650	0.130	03/22/2006			1466176.705	599265.765
442-V-105	Lead-214	8.9	0.830	0.170	03/22/2006			1466176.705	599265.765
442-V-105	Plutonium-238	55	0.043	0.029	03/22/2006	J		1466176.705	599265.765
442-V-105	Plutonium-239/240	62	0.023	0.023	03/22/2006	U		1466176.705	599265.765
442-V-105	Potassium-40	47.8	30.000	0.900	03/22/2006			1466176.705	599265.765
442-V-105	Radium-226	2.9	0.660	0.190	03/22/2006	J		1466176.705	599265.765
442-V-105	Radium-228	2.1	1.550	0.360	03/22/2006			1466176.705	599265.765
442-V-105	Thallium-208**	0.498	0.550	0.100	03/22/2006			1466176.705	599265.765
442-V-105	Thorium-228	2.6	1.770	0.030	03/22/2006			1466176.705	599265.765
442-V-105	Thorium-230	2.8	1.060	0.020	03/22/2006			1466176.705	599265.765
442-V-105	Thorium-232	2.1	1.730	0.020	03/22/2006			1466176.705	599265.765
442-V-105	Uranium-234	2	0.870	0.040	03/22/2006			1466176.705	599265.765
442-V-105	Uranium-235	3.2	0.086	0.033	03/22/2006	J		1466176.705	599265.765
442-V-105	Uranium-238	2.2	0.790	0.040	03/22/2006			1466176.705	599265.765
442-V-106	Actinium-227	4.6	0.400	0.400	03/22/2006	U		1466206.705	599265.765
442-V-106	Actinium-228	1.93	1.390	0.310	03/22/2006			1466206.705	599265.765
442-V-106	Americium-241	63	0.160	0.160	03/22/2006	U		1466206.705	599265.765
442-V-106	Bismuth-212	9.87	0.780	0.730	03/22/2006			1466206.705	599265.765
442-V-106	Cesium-137	3.8	0.097	0.097	03/22/2006	U		1466206.705	599265.765
442-V-106	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466206.705	599265.765
442-V-106	Lead-212	16.6	1.140	0.150	03/22/2006			1466206.705	599265.765
442-V-106	Lead-214	8.9	0.860	0.130	03/22/2006			1466206.705	599265.765
442-V-106	Plutonium-238	55	0.020	0.020	03/22/2006	U		1466206.705	599265.765
442-V-106	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466206.705	599265.765
442-V-106	Potassium-40	47.8	39.200	0.600	03/22/2006			1466206.705	599265.765
442-V-106	Radium-226	2.9	0.780	0.340	03/22/2006	J		1466206.705	599265.765
442-V-106	Radium-228	2.1	1.390	0.310	03/22/2006			1466206.705	599265.765
442-V-106	Thallium-208	0.498	0.450	0.090	03/22/2006			1466206.705	599265.765
442-V-106	Thorium-228	2.6	1.310	0.030	03/22/2006			1466206.705	599265.765
442-V-106	Thorium-230	2.8	0.890	0.020	03/22/2006			1466206.705	599265.765
442-V-106	Thorium-232	2.1	1.050	0.010	03/22/2006			1466206.705	599265.765
442-V-106	Uranium-234	2	0.820	0.080	03/22/2006			1466206.705	599265.765
442-V-106	Uranium-235	3.2	0.070	0.070	03/22/2006	U		1466206.705	599265.765
442-V-106	Uranium-238	2.2	0.960	0.070	03/22/2006			1466206.705	599265.765
442-V-107	Actinium-227	4.6	0.500	0.500	03/22/2006	U		1466236.705	599265.765
442-V-107	Actinium-228	1.93	0.860	0.260	03/22/2006			1466236.705	599265.765
442-V-107	Americium-241	63	0.180	0.180	03/22/2006	U		1466236.705	599265.765
442-V-107	Bismuth-212	9.87	0.890	0.610	03/22/2006			1466236.705	599265.765
442-V-107	Bismuth-214	1.17	0.960	0.160	03/22/2006			1466236.705	599265.765
442-V-107	Cesium-137	3.8	0.091	0.091	03/22/2006	U		1466236.705	599265.765
442-V-107	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466236.705	599265.765
442-V-107	Lead-212	16.6	0.960	0.120	03/22/2006			1466236.705	599265.765
442-V-107	Lead-214	8.9	0.740	0.150	03/22/2006			1466236.705	599265.765
442-V-107	Plutonium-238	55	0.033	0.021	03/22/2006	J		1466236.705	599265.765
442-V-107	Plutonium-239/240	62	0.014	0.014	03/22/2006	U		1466236.705	599265.765
442-V-107	Potassium-40	47.8	19.600	1.200	03/22/2006			1466236.705	599265.765
442-V-107	Radium-226	2.9	0.960	0.160	03/22/2006	J		1466236.705	599265.765
442-V-107	Radium-228	2.1	0.860	0.260	03/22/2006			1466236.705	599265.765
442-V-107	Thallium-208	0.498	0.290	0.090	03/22/2006			1466236.705	599265.765
442-V-107	Thorium-228	2.6	1.000	0.020	03/22/2006			1466236.705	599265.765
442-V-107	Thorium-230	2.8	1.300	0.010	03/22/2006			1466236.705	599265.765
442-V-107	Thorium-232	2.1	1.030	0.004	03/22/2006			1466236.705	599265.765
442-V-107	Uranium-234	2	0.820	0.020	03/22/2006			1466236.705	599265.765
442-V-107	Uranium-235	3.2	0.068	0.031	03/22/2006	J		1466236.705	599265.765
442-V-107	Uranium-238	2.2	0.780	0.040	03/22/2006			1466236.705	599265.765
442-V-108	Actinium-227	4.6	1.810	0.690	03/22/2006			1466266.705	599265.765
442-V-108	Actinium-228	1.93	1.550	0.310	03/22/2006			1466266.705	599265.765
442-V-108	Americium-241	63	0.210	0.210	03/22/2006	U		1466266.705	599265.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-108	Bismuth-214	1.17	1.090	0.180	03/22/2006			1466266.705	599265.765
442-V-108	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466266.705	599265.765
442-V-108	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466266.705	599265.765
442-V-108	Lead-210	7.4	2.400	2.200	03/22/2006			1466266.705	599265.765
442-V-108	Lead-212	16.6	1.390	0.120	03/22/2006			1466266.705	599265.765
442-V-108	Lead-214	8.9	1.050	0.180	03/22/2006			1466266.705	599265.765
442-V-108	Plutonium-238	55	0.021	0.021	03/22/2006	U		1466266.705	599265.765
442-V-108	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466266.705	599265.765
442-V-108	Potassium-40	47.8	19.400	0.800	03/22/2006			1466266.705	599265.765
442-V-108	Radium-226	2.9	1.090	0.180	03/22/2006	J		1466266.705	599265.765
442-V-108	Radium-228	2.1	1.550	0.310	03/22/2006			1466266.705	599265.765
442-V-108	Thallium-208	0.498	0.370	0.090	03/22/2006			1466266.705	599265.765
442-V-108	Thorium-228	2.6	1.060	0.020	03/22/2006			1466266.705	599265.765
442-V-108	Thorium-230	2.8	1.340	0.009	03/22/2006			1466266.705	599265.765
442-V-108	Thorium-232	2.1	1.120	0.020	03/22/2006			1466266.705	599265.765
442-V-108	Uranium-234	2	0.780	0.040	03/22/2006			1466266.705	599265.765
442-V-108	Uranium-235	3.2	0.039	0.035	03/22/2006	J		1466266.705	599265.765
442-V-108	Uranium-238	2.2	0.790	0.030	03/22/2006			1466266.705	599265.765
442-V-109	Actinium-227	4.6	1.950	0.700	03/22/2006			1466296.705	599265.765
442-V-109	Actinium-228	1.93	0.900	0.380	03/22/2006			1466296.705	599265.765
442-V-109	Americium-241	63	0.200	0.200	03/22/2006	U		1466296.705	599265.765
442-V-109	Bismuth-212	9.87	0.960	0.760	03/22/2006			1466296.705	599265.765
442-V-109	Cesium-137	3.8	0.100	0.100	03/22/2006	U		1466296.705	599265.765
442-V-109	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466296.705	599265.765
442-V-109	Lead-210	7.4	2.300	2.200	03/22/2006			1466296.705	599265.765
442-V-109	Lead-212	16.6	1.380	0.120	03/22/2006			1466296.705	599265.765
442-V-109	Lead-214	8.9	1.080	0.170	03/22/2006			1466296.705	599265.765
442-V-109	Plutonium-238	55	0.019	0.019	03/22/2006	U		1466296.705	599265.765
442-V-109	Plutonium-239/240	62	0.012	0.012	03/22/2006	U		1466296.705	599265.765
442-V-109	Potassium-40	47.8	20.100	0.700	03/22/2006			1466296.705	599265.765
442-V-109	Radium-226	2.9	0.830	0.360	03/22/2006	J		1466296.705	599265.765
442-V-109	Radium-228	2.1	0.900	0.380	03/22/2006			1466296.705	599265.765
442-V-109	Thallium-208	0.498	0.430	0.100	03/22/2006			1466296.705	599265.765
442-V-109	Thorium-228	2.6	1.170	0.020	03/22/2006			1466296.705	599265.765
442-V-109	Thorium-230	2.8	1.540	0.004	03/22/2006			1466296.705	599265.765
442-V-109	Thorium-232	2.1	1.110	0.009	03/22/2006			1466296.705	599265.765
442-V-109	Thorium-234	176	2.000	1.900	03/22/2006			1466296.705	599265.765
442-V-109	Uranium-234	2	0.770	0.040	03/22/2006			1466296.705	599265.765
442-V-109	Uranium-235	3.2	0.037	0.033	03/22/2006	J		1466296.705	599265.765
442-V-109	Uranium-238	2.2	0.850	0.050	03/22/2006			1466296.705	599265.765
442-V-109D	Actinium-227	4.6	0.510	0.510	03/22/2006	U		1466296.705	599265.765
442-V-109D	Actinium-228	1.93	1.290	0.260	03/22/2006			1466296.705	599265.765
442-V-109D	Americium-241	63	0.180	0.180	03/22/2006	U		1466296.705	599265.765
442-V-109D	Bismuth-214	1.17	1.000	0.130	03/22/2006			1466296.705	599265.765
442-V-109D	Cesium-137	3.8	0.099	0.099	03/22/2006	U		1466296.705	599265.765
442-V-109D	Cobalt-60	0.7	0.087	0.087	03/22/2006	U		1466296.705	599265.765
442-V-109D	Lead-212	16.6	1.140	0.130	03/22/2006			1466296.705	599265.765
442-V-109D	Lead-214	8.9	1.160	0.160	03/22/2006			1466296.705	599265.765
442-V-109D	Plutonium-238	55	0.028	0.028	03/22/2006	U		1466296.705	599265.765
442-V-109D	Plutonium-239/240	62	0.020	0.020	03/22/2006	U		1466296.705	599265.765
442-V-109D	Potassium-40	47.8	15.700	0.700	03/22/2006			1466296.705	599265.765
442-V-109D	Radium-226	2.9	1.000	0.130	03/22/2006	J		1466296.705	599265.765
442-V-109D	Radium-228	2.1	1.290	0.260	03/22/2006			1466296.705	599265.765
442-V-109D	Thallium-208	0.498	0.420	0.090	03/22/2006			1466296.705	599265.765
442-V-109D	Thorium-228	2.6	1.140	0.009	03/22/2006			1466296.705	599265.765
442-V-109D	Thorium-230	2.8	1.590	0.009	03/22/2006			1466296.705	599265.765
442-V-109D	Thorium-232	2.1	1.170	0.009	03/22/2006			1466296.705	599265.765
442-V-109D	Thorium-234	176	2.600	1.600	03/22/2006			1466296.705	599265.765
442-V-109D	Uranium-234	2	0.810	0.050	03/22/2006			1466296.705	599265.765
442-V-109D	Uranium-235	3.2	0.034	0.034	03/22/2006	U		1466296.705	599265.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-109D	Uranium-238	2.2	0.800	0.030	03/22/2006			1466296.705	599265.765
442-V-110	Actinium-227	4.6	0.330	0.330	03/22/2006	U		1466326.705	599265.765
442-V-110	Actinium-228	1.93	0.930	0.210	03/22/2006			1466326.705	599265.765
442-V-110	Americium-241	63	0.130	0.130	03/22/2006	U		1466326.705	599265.765
442-V-110	Bismuth-212	9.87	0.710	0.450	03/22/2006			1466326.705	599265.765
442-V-110	Bismuth-214	1.17	0.780	0.110	03/22/2006			1466326.705	599265.765
442-V-110	Cesium-137	3.8	0.080	0.080	03/22/2006	U		1466326.705	599265.765
442-V-110	Cobalt-60	0.7	0.087	0.087	03/22/2006	U		1466326.705	599265.765
442-V-110	Lead-212	16.6	0.850	0.130	03/22/2006			1466326.705	599265.765
442-V-110	Lead-214	8.9	0.710	0.120	03/22/2006			1466326.705	599265.765
442-V-110	Plutonium-238	55	0.022	0.017	03/22/2006	J		1466326.705	599265.765
442-V-110	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466326.705	599265.765
442-V-110	Potassium-40	47.8	21.000	0.600	03/22/2006			1466326.705	599265.765
442-V-110	Radium-226	2.9	0.780	0.110	03/22/2006	J		1466326.705	599265.765
442-V-110	Radium-228	2.1	0.930	0.210	03/22/2006			1466326.705	599265.765
442-V-110	Thallium-208	0.498	0.389	0.075	03/22/2006			1466326.705	599265.765
442-V-110	Thorium-228	2.6	0.869	0.017	03/22/2006			1466326.705	599265.765
442-V-110	Thorium-230	2.8	1.000	0.004	03/22/2006			1466326.705	599265.765
442-V-110	Thorium-232	2.1	0.874	0.013	03/22/2006			1466326.705	599265.765
442-V-110	Uranium-234	2	0.840	0.060	03/22/2006			1466326.705	599265.765
442-V-110	Uranium-235	3.2	0.039	0.035	03/22/2006	J		1466326.705	599265.765
442-V-110	Uranium-238	2.2	0.910	0.040	03/22/2006			1466326.705	599265.765
442-V-111	Actinium-227	4.6	0.330	0.330	03/22/2006	U		1466356.705	599265.765
442-V-111	Actinium-228	1.93	0.840	0.240	03/22/2006			1466356.705	599265.765
442-V-111	Americium-241	63	0.140	0.140	03/22/2006	U		1466356.705	599265.765
442-V-111	Bismuth-214	1.17	0.740	0.130	03/22/2006			1466356.705	599265.765
442-V-111	Cesium-137	3.8	0.095	0.095	03/22/2006	U		1466356.705	599265.765
442-V-111	Cobalt-60	0.7	0.073	0.073	03/22/2006	U		1466356.705	599265.765
442-V-111	Lead-212	16.6	0.750	0.100	03/22/2006			1466356.705	599265.765
442-V-111	Lead-214	8.9	0.850	0.130	03/22/2006			1466356.705	599265.765
442-V-111	Plutonium-238	55	0.106	0.022	03/22/2006			1466356.705	599265.765
442-V-111	Plutonium-239/240	62	0.016	0.016	03/22/2006	U		1466356.705	599265.765
442-V-111	Potassium-40	47.8	17.400	0.700	03/22/2006			1466356.705	599265.765
442-V-111	Radium-226	2.9	0.740	0.130	03/22/2006	J		1466356.705	599265.765
442-V-111	Radium-228	2.1	0.840	0.240	03/22/2006			1466356.705	599265.765
442-V-111	Thallium-208	0.498	0.328	0.081	03/22/2006			1466356.705	599265.765
442-V-111	Thorium-228	2.6	0.720	0.030	03/22/2006			1466356.705	599265.765
442-V-111	Thorium-230	2.8	1.020	0.020	03/22/2006			1466356.705	599265.765
442-V-111	Thorium-232	2.1	0.720	0.010	03/22/2006			1466356.705	599265.765
442-V-111	Uranium-234	2	0.620	0.060	03/22/2006			1466356.705	599265.765
442-V-111	Uranium-235	3.2	0.049	0.049	03/22/2006	U		1466356.705	599265.765
442-V-111	Uranium-238	2.2	0.750	0.040	03/22/2006			1466356.705	599265.765
442-V-112	Actinium-227	4.6	0.340	0.340	03/22/2006	U		1466176.705	599295.765
442-V-112	Actinium-228	1.93	1.020	0.230	03/22/2006			1466176.705	599295.765
442-V-112	Americium-241	63	0.130	0.130	03/22/2006	U		1466176.705	599295.765
442-V-112	Bismuth-212	9.87	0.660	0.520	03/22/2006			1466176.705	599295.765
442-V-112	Bismuth-214	1.17	0.680	0.120	03/22/2006			1466176.705	599295.765
442-V-112	Cesium-137	3.8	0.079	0.079	03/22/2006	U		1466176.705	599295.765
442-V-112	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466176.705	599295.765
442-V-112	Lead-212	16.6	1.000	0.080	03/22/2006			1466176.705	599295.765
442-V-112	Lead-214	8.9	0.610	0.110	03/22/2006			1466176.705	599295.765
442-V-112	Plutonium-238	55	0.042	0.016	03/22/2006	J		1466176.705	599295.765
442-V-112	Plutonium-239/240	62	0.004	0.003	03/22/2006	J		1466176.705	599295.765
442-V-112	Potassium-40	47.8	27.700	0.600	03/22/2006			1466176.705	599295.765
442-V-112	Radium-226	2.9	0.680	0.120	03/22/2006	J		1466176.705	599295.765
442-V-112	Radium-228	2.1	1.020	0.230	03/22/2006			1466176.705	599295.765
442-V-112	Thallium-208	0.498	0.363	0.056	03/22/2006			1466176.705	599295.765
442-V-112	Thorium-228	2.6	1.040	0.020	03/22/2006			1466176.705	599295.765
442-V-112	Thorium-230	2.8	0.869	0.005	03/22/2006			1466176.705	599295.765
442-V-112	Thorium-232	2.1	1.010	0.004	03/22/2006			1466176.705	599295.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-112	Uranium-234	2	0.580	0.040	03/22/2006			1466176.705	599295.765
442-V-112	Uranium-235	3.2	0.056	0.031	03/22/2006	J		1466176.705	599295.765
442-V-112	Uranium-238	2.2	0.760	0.040	03/22/2006			1466176.705	599295.765
442-V-113	Actinium-227	4.6	0.530	0.530	03/22/2006	U		1466206.705	599295.765
442-V-113	Americium-241	63	0.210	0.210	03/22/2006	U		1466206.705	599295.765
442-V-113	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466206.705	599295.765
442-V-113	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466206.705	599295.765
442-V-113	Lead-212	16.6	0.610	0.180	03/22/2006			1466206.705	599295.765
442-V-113	Lead-214	8.9	0.720	0.140	03/22/2006			1466206.705	599295.765
442-V-113	Plutonium-238	55	0.036	0.016	03/22/2006	J		1466206.705	599295.765
442-V-113	Plutonium-239/240	62	0.012	0.012	03/22/2006	U		1466206.705	599295.765
442-V-113	Potassium-40	47.8	23.300	1.000	03/22/2006			1466206.705	599295.765
442-V-113	Radium-226	2.9	0.600	0.400	03/22/2006	J		1466206.705	599295.765
442-V-113	Thallium-208	0.498	0.292	0.085	03/22/2006			1466206.705	599295.765
442-V-113	Thorium-228	2.6	1.180	0.030	03/22/2006			1466206.705	599295.765
442-V-113	Thorium-230	2.8	1.020	0.020	03/22/2006			1466206.705	599295.765
442-V-113	Thorium-232	2.1	1.070	0.020	03/22/2006			1466206.705	599295.765
442-V-113	Uranium-234	2	0.840	0.050	03/22/2006			1466206.705	599295.765
442-V-113	Uranium-235	3.2	0.063	0.029	03/22/2006	J		1466206.705	599295.765
442-V-113	Uranium-238	2.2	0.750	0.020	03/22/2006			1466206.705	599295.765
442-V-114	Actinium-227	4.6	1.690	0.730	03/22/2006			1466236.705	599295.765
442-V-114	Actinium-228	1.93	1.490	0.320	03/22/2006			1466236.705	599295.765
442-V-114	Americium-241	63	0.220	0.220	03/22/2006	U		1466236.705	599295.765
442-V-114	Cesium-137	3.8	0.095	0.095	03/22/2006	U		1466236.705	599295.765
442-V-114	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466236.705	599295.765
442-V-114	Lead-212	16.6	0.940	0.190	03/22/2006			1466236.705	599295.765
442-V-114	Lead-214	8.9	0.790	0.170	03/22/2006			1466236.705	599295.765
442-V-114	Plutonium-238	55	0.027	0.027	03/22/2006	U		1466236.705	599295.765
442-V-114	Plutonium-239/240	62	0.040	0.009	03/22/2006	J		1466236.705	599295.765
442-V-114	Potassium-40	47.8	18.500	0.800	03/22/2006			1466236.705	599295.765
442-V-114	Radium-226	2.9	0.940	0.390	03/22/2006	J		1466236.705	599295.765
442-V-114	Radium-228	2.1	1.490	0.320	03/22/2006			1466236.705	599295.765
442-V-114	Thallium-208	0.498	0.340	0.100	03/22/2006			1466236.705	599295.765
442-V-114	Thorium-228	2.6	1.130	0.030	03/22/2006			1466236.705	599295.765
442-V-114	Thorium-230	2.8	1.430	0.020	03/22/2006			1466236.705	599295.765
442-V-114	Thorium-232	2.1	1.010	0.020	03/22/2006			1466236.705	599295.765
442-V-114	Uranium-234	2	0.810	0.060	03/22/2006			1466236.705	599295.765
442-V-114	Uranium-235	3.2	0.052	0.052	03/22/2006	U		1466236.705	599295.765
442-V-114	Uranium-238	2.2	0.750	0.070	03/22/2006			1466236.705	599295.765
442-V-115	Actinium-227	4.6	1.600	0.820	03/22/2006			1466266.705	599295.765
442-V-115	Actinium-228	1.93	1.390	0.340	03/22/2006			1466266.705	599295.765
442-V-115	Americium-241	63	0.230	0.230	03/22/2006	U		1466266.705	599295.765
442-V-115	Cesium-137	3.8	0.120	0.120	03/22/2006	U		1466266.705	599295.765
442-V-115	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466266.705	599295.765
442-V-115	Lead-212	16.6	1.460	0.150	03/22/2006			1466266.705	599295.765
442-V-115	Lead-214	8.9	1.140	0.160	03/22/2006			1466266.705	599295.765
442-V-115	Plutonium-238	55	0.020	0.020	03/22/2006	U		1466266.705	599295.765
442-V-115	Plutonium-239/240	62	0.012	0.012	03/22/2006	U		1466266.705	599295.765
442-V-115	Potassium-40	47.8	19.500	1.200	03/22/2006			1466266.705	599295.765
442-V-115	Radium-226	2.9	0.930	0.420	03/22/2006	J		1466266.705	599295.765
442-V-115	Radium-228	2.1	1.390	0.340	03/22/2006			1466266.705	599295.765
442-V-115	Thallium-208	0.498	0.470	0.100	03/22/2006			1466266.705	599295.765
442-V-115	Thorium-228	2.6	1.180	0.020	03/22/2006			1466266.705	599295.765
442-V-115	Thorium-230	2.8	1.550	0.020	03/22/2006			1466266.705	599295.765
442-V-115	Thorium-232	2.1	1.180	0.009	03/22/2006			1466266.705	599295.765
442-V-115	Uranium-234	2	0.910	0.050	03/22/2006			1466266.705	599295.765
442-V-115	Uranium-235	3.2	0.053	0.053	03/22/2006	U		1466266.705	599295.765
442-V-115	Uranium-238	2.2	0.930	0.050	03/22/2006			1466266.705	599295.765
442-V-116	Actinium-227	4.6	0.420	0.420	03/22/2006	U		1466296.705	599295.765
442-V-116	Actinium-228	1.93	1.120	0.290	03/22/2006			1466296.705	599295.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-116	Americium-241	63	0.170	0.170	03/22/2006	U		1466296.705	599295.765
442-V-116	Bismuth-214	1.17	0.890	0.170	03/22/2006			1466296.705	599295.765
442-V-116	Cesium-137	3.8	0.087	0.087	03/22/2006	U		1466296.705	599295.765
442-V-116	Cobalt-60	0.7	0.100	0.100	03/22/2006	U		1466296.705	599295.765
442-V-116	Lead-212	16.6	1.140	0.150	03/22/2006			1466296.705	599295.765
442-V-116	Lead-214	8.9	0.960	0.150	03/22/2006			1466296.705	599295.765
442-V-116	Plutonium-238	55	0.024	0.024	03/22/2006	U		1466296.705	599295.765
442-V-116	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466296.705	599295.765
442-V-116	Potassium-40	47.8	19.400	0.800	03/22/2006			1466296.705	599295.765
442-V-116	Radium-226	2.9	0.890	0.170	03/22/2006	J		1466296.705	599295.765
442-V-116	Radium-228	2.1	1.120	0.290	03/22/2006			1466296.705	599295.765
442-V-116	Thallium-208	0.498	0.350	0.080	03/22/2006			1466296.705	599295.765
442-V-116	Thorium-228	2.6	1.230	0.009	03/22/2006			1466296.705	599295.765
442-V-116	Thorium-230	2.8	1.570	0.010	03/22/2006			1466296.705	599295.765
442-V-116	Thorium-232	2.1	1.100	0.004	03/22/2006			1466296.705	599295.765
442-V-116	Uranium-234	2	0.680	0.060	03/22/2006			1466296.705	599295.765
442-V-116	Uranium-235	3.2	0.064	0.034	03/22/2006	J		1466296.705	599295.765
442-V-116	Uranium-238	2.2	1.050	0.050	03/22/2006			1466296.705	599295.765
442-V-117	Actinium-227	4.6	1.270	0.840	03/22/2006			1466326.705	599295.765
442-V-117	Americium-241	63	0.240	0.240	03/22/2006	U		1466326.705	599295.765
442-V-117	Cesium-137	3.8	0.120	0.120	03/22/2006	U		1466326.705	599295.765
442-V-117	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466326.705	599295.765
442-V-117	Lead-212	16.6	1.080	0.150	03/22/2006			1466326.705	599295.765
442-V-117	Lead-214	8.9	0.890	0.210	03/22/2006			1466326.705	599295.765
442-V-117	Plutonium-238	55	0.022	0.022	03/22/2006	U		1466326.705	599295.765
442-V-117	Plutonium-239/240	62	0.015	0.015	03/22/2006	U		1466326.705	599295.765
442-V-117	Potassium-40	47.8	14.200	1.400	03/22/2006			1466326.705	599295.765
442-V-117	Radium-226	2.9	0.860	0.460	03/22/2006	J		1466326.705	599295.765
442-V-117	Radium-228	2.1	1.310	0.370	03/22/2006			1466326.705	599295.765
442-V-117	Thallium-208	0.498	0.370	0.120	03/22/2006			1466326.705	599295.765
442-V-117	Thorium-228	2.6	0.989	0.018	03/22/2006			1466326.705	599295.765
442-V-117	Thorium-230	2.8	1.370	0.010	03/22/2006			1466326.705	599295.765
442-V-117	Thorium-232	2.1	0.978	0.013	03/22/2006			1466326.705	599295.765
442-V-117	Uranium-234	2	0.920	0.060	03/22/2006			1466326.705	599295.765
442-V-117	Uranium-235	3.2	0.067	0.067	03/22/2006	U		1466326.705	599295.765
442-V-117	Uranium-238	2.2	1.020	0.060	03/22/2006			1466326.705	599295.765
442-V-118	Actinium-228	1.93	0.840	0.410	03/23/2006			1466356.705	599295.765
442-V-118	Americium-241	63	0.200	0.200	03/23/2006	U		1466356.705	599295.765
442-V-118	Bismuth-214	1.17	0.770	0.210	03/23/2006			1466356.705	599295.765
442-V-118	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1466356.705	599295.765
442-V-118	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1466356.705	599295.765
442-V-118	Lead-212	16.6	0.910	0.140	03/23/2006			1466356.705	599295.765
442-V-118	Lead-214	8.9	1.060	0.180	03/23/2006			1466356.705	599295.765
442-V-118	Plutonium-238	55	0.022	0.014	03/23/2006	J		1466356.705	599295.765
442-V-118	Plutonium-239/240	62	0.009	0.009	03/23/2006	U		1466356.705	599295.765
442-V-118	Potassium-40	47.8	16.900	1.300	03/23/2006			1466356.705	599295.765
442-V-118	Radium-226	2.9	0.770	0.210	03/23/2006	J	J	1466356.705	599295.765
442-V-118	Radium-228	2.1	0.840	0.410	03/23/2006			1466356.705	599295.765
442-V-118	Thallium-208	0.498	0.360	0.100	03/23/2006			1466356.705	599295.765
442-V-118	Thorium-228	2.6	0.819	0.023	03/23/2006			1466356.705	599295.765
442-V-118	Thorium-230	2.8	1.300	0.020	03/23/2006		J	1466356.705	599295.765
442-V-118	Thorium-232	2.1	0.751	0.012	03/23/2006			1466356.705	599295.765
442-V-118	Uranium-234	2	0.850	0.050	03/23/2006			1466356.705	599295.765
442-V-118	Uranium-235	3.2	0.099	0.030	03/23/2006	J		1466356.705	599295.765
442-V-118	Uranium-238	2.2	0.740	0.020	03/23/2006			1466356.705	599295.765
442-V-119	Actinium-227	4.6	0.330	0.330	03/22/2006	U		1466176.705	599325.765
442-V-119	Actinium-228	1.93	0.570	0.270	03/22/2006			1466176.705	599325.765
442-V-119	Americium-241	63	0.130	0.130	03/22/2006	U		1466176.705	599325.765
442-V-119	Cesium-137	3.8	0.066	0.066	03/22/2006	U		1466176.705	599325.765
442-V-119	Cobalt-60	0.7	0.072	0.072	03/22/2006	U		1466176.705	599325.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-119	Lead-210	7.4	1.800	1.400	03/22/2006			1466176.705	599325.765
442-V-119	Lead-212	16.6	0.680	0.110	03/22/2006			1466176.705	599325.765
442-V-119	Lead-214	8.9	0.510	0.100	03/22/2006			1466176.705	599325.765
442-V-119	Plutonium-238	55	0.019	0.007	03/22/2006	J		1466176.705	599325.765
442-V-119	Plutonium-239/240	62	0.007	0.007	03/22/2006	U		1466176.705	599325.765
442-V-119	Potassium-40	47.8	19.300	0.600	03/22/2006			1466176.705	599325.765
442-V-119	Radium-226	2.9	0.450	0.260	03/22/2006	J		1466176.705	599325.765
442-V-119	Radium-228	2.1	0.570	0.270	03/22/2006			1466176.705	599325.765
442-V-119	Thallium-208	0.498	0.314	0.069	03/22/2006			1466176.705	599325.765
442-V-119	Thorium-228	2.6	0.691	0.019	03/22/2006			1466176.705	599325.765
442-V-119	Thorium-230	2.8	0.614	0.012	03/22/2006			1466176.705	599325.765
442-V-119	Thorium-232	2.1	0.708	0.010	03/22/2006			1466176.705	599325.765
442-V-119	Uranium-234	2	0.460	0.060	03/22/2006			1466176.705	599325.765
442-V-119	Uranium-235	3.2	0.034	0.034	03/22/2006	U		1466176.705	599325.765
442-V-119	Uranium-238	2.2	0.490	0.040	03/22/2006			1466176.705	599325.765
442-V-120	Actinium-227	4.6	0.540	0.540	03/22/2006	U		1466206.705	599325.765
442-V-120	Actinium-228	1.93	0.940	0.350	03/22/2006			1466206.705	599325.765
442-V-120	Americium-241	63	0.220	0.220	03/22/2006	U		1466206.705	599325.765
442-V-120	Cesium-137	3.8	0.110	0.110	03/22/2006	U		1466206.705	599325.765
442-V-120	Cobalt-60	0.7	0.120	0.120	03/22/2006	U		1466206.705	599325.765
442-V-120	Lead-212	16.6	0.820	0.220	03/22/2006			1466206.705	599325.765
442-V-120	Lead-214	8.9	0.850	0.180	03/22/2006			1466206.705	599325.765
442-V-120	Plutonium-238	55	0.339	0.008	03/22/2006			1466206.705	599325.765
442-V-120	Plutonium-239/240	62	0.008	0.008	03/22/2006	U		1466206.705	599325.765
442-V-120	Potassium-40	47.8	15.500	0.800	03/22/2006			1466206.705	599325.765
442-V-120	Radium-226	2.9	0.820	0.460	03/22/2006	J		1466206.705	599325.765
442-V-120	Radium-228	2.1	0.940	0.350	03/22/2006			1466206.705	599325.765
442-V-120	Thallium-208	0.498	0.310	0.100	03/22/2006			1466206.705	599325.765
442-V-120	Thorium-228	2.6	0.897	0.021	03/22/2006			1466206.705	599325.765
442-V-120	Thorium-230	2.8	1.150	0.020	03/22/2006			1466206.705	599325.765
442-V-120	Thorium-232	2.1	0.857	0.004	03/22/2006			1466206.705	599325.765
442-V-120	Uranium-234	2	0.950	0.030	03/22/2006			1466206.705	599325.765
442-V-120	Uranium-235	3.2	0.054	0.054	03/22/2006	U		1466206.705	599325.765
442-V-120	Uranium-238	2.2	0.800	0.050	03/22/2006			1466206.705	599325.765
442-V-121	Actinium-227	4.6	0.450	0.450	03/22/2006	U		1466236.705	599325.765
442-V-121	Actinium-228	1.93	0.740	0.330	03/22/2006			1466236.705	599325.765
442-V-121	Americium-241	63	0.180	0.180	03/22/2006	U		1466236.705	599325.765
442-V-121	Cesium-137	3.8	0.098	0.098	03/22/2006	U		1466236.705	599325.765
442-V-121	Cobalt-60	0.7	0.110	0.110	03/22/2006	U		1466236.705	599325.765
442-V-121	Lead-212	16.6	0.810	0.110	03/22/2006			1466236.705	599325.765
442-V-121	Lead-214	8.9	0.840	0.160	03/22/2006			1466236.705	599325.765
442-V-121	Plutonium-238	55	0.041	0.019	03/22/2006	J		1466236.705	599325.765
442-V-121	Plutonium-239/240	62	0.009	0.009	03/22/2006	U		1466236.705	599325.765
442-V-121	Potassium-40	47.8	15.000	0.900	03/22/2006			1466236.705	599325.765
442-V-121	Radium-226	2.9	0.620	0.360	03/22/2006	J		1466236.705	599325.765
442-V-121	Radium-228	2.1	0.740	0.330	03/22/2006			1466236.705	599325.765
442-V-121	Thallium-208	0.498	0.260	0.090	03/22/2006			1466236.705	599325.765
442-V-121	Thorium-228	2.6	0.750	0.040	03/22/2006			1466236.705	599325.765
442-V-121	Thorium-230	2.8	1.140	0.020	03/22/2006			1466236.705	599325.765
442-V-121	Thorium-232	2.1	0.770	0.010	03/22/2006			1466236.705	599325.765
442-V-121	Uranium-234	2	0.780	0.040	03/22/2006			1466236.705	599325.765
442-V-121	Uranium-235	3.2	0.108	0.062	03/22/2006	J		1466236.705	599325.765
442-V-121	Uranium-238	2.2	0.650	0.030	03/22/2006			1466236.705	599325.765
442-V-122	Actinium-227	4.6	0.370	0.370	03/22/2006	U		1466266.705	599325.765
442-V-122	Actinium-228	1.93	0.730	0.260	03/22/2006			1466266.705	599325.765
442-V-122	Americium-241	63	0.140	0.140	03/22/2006	U		1466266.705	599325.765
442-V-122	Cesium-137	3.8	0.096	0.096	03/22/2006	U		1466266.705	599325.765
442-V-122	Cobalt-60	0.7	0.091	0.091	03/22/2006	U		1466266.705	599325.765
442-V-122	Lead-212	16.6	0.780	0.130	03/22/2006			1466266.705	599325.765
442-V-122	Lead-214	8.9	0.600	0.140	03/22/2006			1466266.705	599325.765

Table 1: PRS 442 Offsite Verification Results (pCi/g)

[bold values are > CO and < HS]

Location	Analyte	CO	Results	Detection Limit	Date Collected	Lab Qual	Data Qual	X Coord	Y Coord
442-V-122	Plutonium-238	55	0.060	0.019	03/22/2006	J		1466266.705	599325.765
442-V-122	Plutonium-239/240	62	0.019	0.019	03/22/2006	U		1466266.705	599325.765
442-V-122	Potassium-40	47.8	19.300	0.900	03/22/2006			1466266.705	599325.765
442-V-122	Radium-226	2.9	0.650	0.320	03/22/2006	J		1466266.705	599325.765
442-V-122	Radium-228	2.1	0.730	0.260	03/22/2006			1466266.705	599325.765
442-V-122	Thallium-208	0.498	0.331	0.068	03/22/2006			1466266.705	599325.765
442-V-122	Thorium-228	2.6	1.030	0.030	03/22/2006			1466266.705	599325.765
442-V-122	Thorium-230	2.8	0.760	0.020	03/22/2006			1466266.705	599325.765
442-V-122	Thorium-232	2.1	0.990	0.020	03/22/2006			1466266.705	599325.765
442-V-122	Uranium-234	2	0.840	0.050	03/22/2006			1466266.705	599325.765
442-V-122	Uranium-235	3.2	0.056	0.056	03/22/2006	U		1466266.705	599325.765
442-V-122	Uranium-238	2.2	0.780	0.030	03/22/2006			1466266.705	599325.765
442-V-123	Actinium-227	4.6	0.290	0.290	03/22/2006	U		1466296.705	599325.765
442-V-123	Americium-241	63	0.110	0.110	03/22/2006	U		1466296.705	599325.765
442-V-123	Cesium-137	3.8	0.066	0.066	03/22/2006	U		1466296.705	599325.765
442-V-123	Cobalt-60	0.7	0.075	0.075	03/22/2006	U		1466296.705	599325.765
442-V-123	Lead-212	16.6	0.135	0.100	03/22/2006			1466296.705	599325.765
442-V-123	Lead-214	8.9	0.380	0.110	03/22/2006			1466296.705	599325.765
442-V-123	Plutonium-238	55	0.024	0.015	03/22/2006	J		1466296.705	599325.765
442-V-123	Plutonium-239/240	62	0.011	0.011	03/22/2006	U		1466296.705	599325.765
442-V-123	Potassium-40	47.8	5.500	0.800	03/22/2006			1466296.705	599325.765
442-V-123	Radium-226	2.9	0.350	0.240	03/22/2006	J		1466296.705	599325.765
442-V-123	Thallium-208	0.498	0.040	0.040	03/22/2006			1466296.705	599325.765
442-V-123	Thorium-228	2.6	0.258	0.020	03/22/2006			1466296.705	599325.765
442-V-123	Thorium-230	2.8	0.566	0.014	03/22/2006			1466296.705	599325.765
442-V-123	Thorium-232	2.1	0.209	0.005	03/22/2006			1466296.705	599325.765
442-V-123	Uranium-234	2	0.290	0.050	03/22/2006			1466296.705	599325.765
442-V-123	Uranium-235	3.2	0.066	0.066	03/22/2006	U		1466296.705	599325.765
442-V-123	Uranium-238	2.2	0.480	0.030	03/22/2006			1466296.705	599325.765

U: not detected
J: estimated
CO: cleanup objective
HS: hot spot
D: duplicate
**Bi-214 and Th-208 are daughter products of U-238 and Th-232 and not considered individually because their activity is accounted for in the CO of the parent nuclide.
A: indicates additional excavation and resampling was required.
R: rejected
NJ: presumptively present, estimated

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-PV001	Plutonium-238	55	3.360	0.060	03/03/2006			1465664.699	598411.451
66W-PV001	Plutonium-239/240	62	0.032	0.029	03/03/2006	J		1465664.699	598411.451
66W-PV001	Thorium-228	2.6	0.440	0.090	03/03/2006	J		1465664.699	598411.451
66W-PV001	Thorium-230	2.8	0.820	0.060	03/03/2006	J		1465664.699	598411.451
66W-PV001	Thorium-232	2.1	0.330	0.050	03/03/2006	J		1465664.699	598411.451
66W-PV002	Plutonium-238	55	3.970	0.070	03/03/2006			1465638.510	598425.793
66W-PV002	Plutonium-239/240	62	0.061	0.045	03/03/2006	J		1465638.510	598425.793
66W-PV002	Thorium-228	2.6	0.400	0.060	03/03/2006	J		1465638.510	598425.793
66W-PV002	Thorium-230	2.8	0.870	0.040	03/03/2006	J		1465638.510	598425.793
66W-PV002	Thorium-232	2.1	0.460	0.050	03/03/2006	J		1465638.510	598425.793
66W-V-001	Plutonium-238	55	17.800	0.090	03/03/2006			1465659.351	598431.823
66W-V-001	Plutonium-239/240	62	0.094	0.048	03/03/2006	J		1465659.351	598431.823
66W-V-001	Thorium-228	2.6	0.610	0.070	03/03/2006	J		1465659.351	598431.823
66W-V-001	Thorium-230	2.8	0.890	0.050	03/03/2006	J		1465659.351	598431.823
66W-V-001	Thorium-232	2.1	0.480	0.030	03/03/2006	J		1465659.351	598431.823
66W-V-002	Plutonium-238	55	0.530	0.080	03/03/2006	J		1465633.162	598446.165
66W-V-002	Plutonium-239/240	62	0.063	0.063	03/03/2006	U		1465633.162	598446.165
66W-V-002	Thorium-228	2.6	0.570	0.060	03/03/2006	J		1465633.162	598446.165
66W-V-002	Thorium-230	2.8	0.880	0.040	03/03/2006	J		1465633.162	598446.165
66W-V-002	Thorium-232	2.1	0.510	0.060	03/03/2006	J		1465633.162	598446.165
66W-V-003	Actinium-227	4.6	0.360	0.360	03/23/2006	U		1465644.786	598404.431
66W-V-003	Americium-241	63	0.140	0.140	03/23/2006	U		1465644.786	598404.431
66W-V-003	Bismuth-214	1.17	0.600	0.130	03/23/2006			1465644.786	598404.431
66W-V-003	Cesium-137	3.8	0.075	0.075	03/23/2006	U		1465644.786	598404.431
66W-V-003	Cobalt-60	0.7	0.090	0.090	03/23/2006	U		1465644.786	598404.431
66W-V-003	Lead-212	16.6	0.498	0.093	03/23/2006			1465644.786	598404.431
66W-V-003	Lead-214	8.9	0.600	0.120	03/23/2006			1465644.786	598404.431
66W-V-003	Plutonium-238	55	2.180	0.009	03/23/2006			1465644.786	598404.431
66W-V-003	Plutonium-239/240	62	0.017	0.009	03/23/2006	J		1465644.786	598404.431
66W-V-003	Potassium-40	47.8	11.700	0.600	03/23/2006			1465644.786	598404.431
66W-V-003	Radium-226	2.9	0.600	0.130	03/23/2006	J		1465644.786	598404.431
66W-V-003	Thallium-208	0.498	0.220	0.056	03/23/2006			1465644.786	598404.431
66W-V-003	Thorium-228	2.6	0.689	0.020	03/23/2006			1465644.786	598404.431
66W-V-003	Thorium-230	2.8	1.030	0.010	03/23/2006			1465644.786	598404.431
66W-V-003	Thorium-232	2.1	0.688	0.013	03/23/2006			1465644.786	598404.431
66W-V-004	Actinium-227	4.6	0.310	0.310	03/23/2006	U		1465629.614	598379.733
66W-V-004	Actinium-228	1.93	0.640	0.230	03/23/2006			1465629.614	598379.733
66W-V-004	Americium-241	63	0.120	0.120	03/23/2006	U		1465629.614	598379.733
66W-V-004	Cesium-137	3.8	0.090	0.090	03/23/2006	U		1465629.614	598379.733
66W-V-004	Cobalt-60	0.7	0.081	0.081	03/23/2006	U		1465629.614	598379.733
66W-V-004	Lead-212	16.6	0.470	0.100	03/23/2006			1465629.614	598379.733
66W-V-004	Lead-214	8.9	0.600	0.110	03/23/2006			1465629.614	598379.733
66W-V-004	Plutonium-238	55	19.800	0.010	03/23/2006			1465629.614	598379.733
66W-V-004	Plutonium-239/240	62	0.224	0.007	03/23/2006			1465629.614	598379.733
66W-V-004	Potassium-40	47.8	9.100	0.500	03/23/2006			1465629.614	598379.733
66W-V-004	Radium-226	2.9	0.600	0.280	03/23/2006	J		1465629.614	598379.733
66W-V-004	Thallium-208	0.498	0.198	0.066	03/23/2006			1465629.614	598379.733
66W-V-004	Thorium-228	2.6	0.645	0.017	03/23/2006			1465629.614	598379.733
66W-V-004	Thorium-230	2.8	0.970	0.010	03/23/2006			1465629.614	598379.733
66W-V-004	Thorium-232	2.1	0.653	0.010	03/23/2006			1465629.614	598379.733
66W-V-005	Actinium-227	4.6	0.250	0.250	03/23/2006	U		1465616.206	598352.917
66W-V-005	Americium-241	63	0.110	0.110	03/23/2006	U		1465616.206	598352.917
66W-V-005	Cesium-137	3.8	0.076	0.076	03/23/2006	U		1465616.206	598352.917
66W-V-005	Cobalt-60	0.7	0.079	0.079	03/23/2006	U		1465616.206	598352.917
66W-V-005	Lead-212	16.6	0.368	0.092	03/23/2006			1465616.206	598352.917
66W-V-005	Lead-214	8.9	0.520	0.110	03/23/2006			1465616.206	598352.917
66W-V-005	Plutonium-238	55	4.100	0.010	03/23/2006			1465616.206	598352.917
66W-V-005	Plutonium-239/240	62	0.043	0.008	03/23/2006	J		1465616.206	598352.917
66W-V-005	Potassium-40	47.8	10.600	0.500	03/23/2006			1465616.206	598352.917
66W-V-005	Radium-226	2.9	0.480	0.260	03/23/2006	J		1465616.206	598352.917
66W-V-005	Thallium-208	0.498	0.181	0.050	03/23/2006			1465616.206	598352.917

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-005	Thorium-228	2.6	0.536	0.012	03/23/2006			1465616.206	598352.917
66W-V-005	Thorium-230	2.8	0.845	0.012	03/23/2006			1465616.206	598352.917
66W-V-005	Thorium-232	2.1	0.482	0.010	03/23/2006			1465616.206	598352.917
66W-V-006	Actinium-227	4.6	0.220	0.220	03/23/2006	U		1465617.970	598419.956
66W-V-006	Actinium-228	1.93	0.300	0.180	03/23/2006			1465617.970	598419.956
66W-V-006	Americium-241	63	0.075	0.075	03/23/2006	U		1465617.970	598419.956
66W-V-006	Bismuth-214	1.17	0.369	0.078	03/23/2006			1465617.970	598419.956
66W-V-006	Cesium-137	3.8	0.061	0.061	03/23/2006	U		1465617.970	598419.956
66W-V-006	Cobalt-60	0.7	0.068	0.068	03/23/2006	U		1465617.970	598419.956
66W-V-006	Lead-212	16.6	0.167	0.078	03/23/2006			1465617.970	598419.956
66W-V-006	Lead-214	8.9	0.287	0.080	03/23/2006			1465617.970	598419.956
66W-V-006	Plutonium-238	55	0.052	0.013	03/23/2006	J		1465617.970	598419.956
66W-V-006	Plutonium-239/240	62	0.003	0.003	03/23/2006	U		1465617.970	598419.956
66W-V-006	Radium-226	2.9	0.369	0.078	03/23/2006	J		1465617.970	598419.956
66W-V-006	Radium-228	2.1	0.300	0.180	03/23/2006			1465617.970	598419.956
66W-V-006	Thallium-208	0.498	0.089	0.046	03/23/2006			1465617.970	598419.956
66W-V-006	Thorium-228	2.6	0.203	0.017	03/23/2006			1465617.970	598419.956
66W-V-006	Thorium-230	2.8	0.388	0.005	03/23/2006			1465617.970	598419.956
66W-V-006	Thorium-232	2.1	0.235	0.016	03/23/2006			1465617.970	598419.956
66W-V-007	Actinium-227	4.6	0.350	0.350	03/23/2006	U		1465604.209	598393.846
66W-V-007	Actinium-228	1.93	0.560	0.280	03/23/2006			1465604.209	598393.846
66W-V-007	Americium-241	63	0.150	0.150	03/23/2006	U		1465604.209	598393.846
66W-V-007	Bismuth-214	1.17	0.430	0.140	03/23/2006			1465604.209	598393.846
66W-V-007	Cesium-137	3.8	0.064	0.064	03/23/2006	U		1465604.209	598393.846
66W-V-007	Cobalt-60	0.7	0.085	0.085	03/23/2006	U		1465604.209	598393.846
66W-V-007	Lead-212	16.6	0.561	0.097	03/23/2006			1465604.209	598393.846
66W-V-007	Lead-214	8.9	0.390	0.130	03/23/2006			1465604.209	598393.846
66W-V-007	Plutonium-238	55	3.160	0.010	03/23/2006			1465604.209	598393.846
66W-V-007	Plutonium-239/240	62	0.020	0.003	03/23/2006	J		1465604.209	598393.846
66W-V-007	Potassium-40	47.8	13.800	0.700	03/23/2006			1465604.209	598393.846
66W-V-007	Radium-226	2.9	0.430	0.140	03/23/2006	J	J-	1465604.209	598393.846
66W-V-007	Radium-228	2.1	0.560	0.280	03/23/2006			1465604.209	598393.846
66W-V-007	Thallium-208	0.498	0.211	0.082	03/23/2006			1465604.209	598393.846
66W-V-007	Thorium-228	2.6	0.610	0.016	03/23/2006			1465604.209	598393.846
66W-V-007	Thorium-230	2.8	0.785	0.014	03/23/2006			1465604.209	598393.846
66W-V-007	Thorium-232	2.1	0.622	0.005	03/23/2006			1465604.209	598393.846
66W-V-008	Actinium-227	4.6	0.510	0.510	03/23/2006	U		1465589.390	598367.383
66W-V-008	Actinium-228	1.93	1.400	0.340	03/23/2006			1465589.390	598367.383
66W-V-008	Americium-241	63	0.210	0.210	03/23/2006	U		1465589.390	598367.383
66W-V-008	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465589.390	598367.383
66W-V-008	Cobalt-60	0.7	0.120	0.120	03/23/2006	U		1465589.390	598367.383
66W-V-008	Lead-212	16.6	1.240	0.210	03/23/2006			1465589.390	598367.383
66W-V-008	Lead-214	8.9	0.990	0.170	03/23/2006			1465589.390	598367.383
66W-V-008	Plutonium-238	55	0.254	0.015	03/23/2006			1465589.390	598367.383
66W-V-008	Plutonium-239/240	62	0.008	0.008	03/23/2006	U		1465589.390	598367.383
66W-V-008	Potassium-40	47.8	23.900	0.900	03/23/2006			1465589.390	598367.383
66W-V-008	Radium-226	2.9	0.950	0.440	03/23/2006	J	J-	1465589.390	598367.383
66W-V-008	Radium-228	2.1	1.400	0.340	03/23/2006			1465589.390	598367.383
66W-V-008	Thallium-208**	0.498	0.500	0.090	03/23/2006			1465589.390	598367.383
66W-V-008	Thorium-228	2.6	1.060	0.020	03/23/2006			1465589.390	598367.383
66W-V-008	Thorium-230	2.8	1.140	0.010	03/23/2006			1465589.390	598367.383
66W-V-008	Thorium-232	2.1	1.070	0.004	03/23/2006			1465589.390	598367.383
66W-V-008D	Actinium-227	4.6	1.560	0.690	03/23/2006		R	1465589.390	598367.383
66W-V-008D	Actinium-228	1.93	0.910	0.340	03/23/2006			1465589.390	598367.383
66W-V-008D	Americium-241	63	0.200	0.200	03/23/2006	U		1465589.390	598367.383
66W-V-008D	Bismuth-212	9.87	0.830	0.730	03/23/2006			1465589.390	598367.383
66W-V-008D	Bismuth-214	1.17	0.780	0.180	03/23/2006			1465589.390	598367.383
66W-V-008D	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465589.390	598367.383
66W-V-008D	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465589.390	598367.383
66W-V-008D	Lead-212	16.6	1.180	0.120	03/23/2006			1465589.390	598367.383
66W-V-008D	Lead-214	8.9	0.940	0.160	03/23/2006			1465589.390	598367.383

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-008D	Plutonium-238	55	0.317	0.019	03/23/2006			1465589.390	598367.383
66W-V-008D	Plutonium-239/240	62	0.007	0.003	03/23/2006	J		1465589.390	598367.383
66W-V-008D	Potassium-40	47.8	21.600	0.800	03/23/2006			1465589.390	598367.383
66W-V-008D	Radium-226	2.9	0.780	0.180	03/23/2006	J		1465589.390	598367.383
66W-V-008D	Radium-228	2.1	0.910	0.340	03/23/2006			1465589.390	598367.383
66W-V-008D	Thallium-208	0.498	0.324	0.079	03/23/2006			1465589.390	598367.383
66W-V-008D	Thorium-228	2.6	1.030	0.020	03/23/2006			1465589.390	598367.383
66W-V-008D	Thorium-230	2.8	1.170	0.010	03/23/2006			1465589.390	598367.383
66W-V-008D	Thorium-232	2.1	1.070	0.010	03/23/2006			1465589.390	598367.383
66W-V-009	Actinium-227	4.6	1.610	0.540	03/23/2006			1465620.793	598486.643
66W-V-009	Actinium-228	1.93	1.310	0.340	03/23/2006			1465620.793	598486.643
66W-V-009	Americium-241	63	0.160	0.160	03/23/2006	U		1465620.793	598486.643
66W-V-009	Bismuth-214	1.17	0.670	0.160	03/23/2006			1465620.793	598486.643
66W-V-009	Cesium-137	3.8	0.077	0.077	03/23/2006	U		1465620.793	598486.643
66W-V-009	Cobalt-60	0.7	0.098	0.098	03/23/2006	U		1465620.793	598486.643
66W-V-009	Lead-212	16.6	1.320	0.090	03/23/2006			1465620.793	598486.643
66W-V-009	Lead-214	8.9	0.820	0.130	03/23/2006			1465620.793	598486.643
66W-V-009	Plutonium-238	55	3.590	0.020	03/23/2006			1465620.793	598486.643
66W-V-009	Plutonium-239/240	62	0.045	0.012	03/23/2006	J		1465620.793	598486.643
66W-V-009	Potassium-40	47.8	36.500	0.700	03/23/2006			1465620.793	598486.643
66W-V-009	Radium-226	2.9	0.670	0.160	03/23/2006	J		1465620.793	598486.643
66W-V-009	Radium-228	2.1	1.310	0.340	03/23/2006			1465620.793	598486.643
66W-V-009	Thallium-208	0.498	0.446	0.073	03/23/2006			1465620.793	598486.643
66W-V-009	Thorium-228	2.6	1.240	0.040	03/23/2006			1465620.793	598486.643
66W-V-009	Thorium-230	2.8	0.940	0.030	03/23/2006			1465620.793	598486.643
66W-V-009	Thorium-232	2.1	1.110	0.030	03/23/2006			1465620.793	598486.643
66W-V-010	Actinium-227	4.6	1.240	0.600	03/23/2006			1465606.679	598460.533
66W-V-010	Actinium-228	1.93	0.970	0.300	03/23/2006			1465606.679	598460.533
66W-V-010	Americium-241	63	0.190	0.190	03/23/2006	U		1465606.679	598460.533
66W-V-010	Cesium-137	3.8	0.088	0.088	03/23/2006	U		1465606.679	598460.533
66W-V-010	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465606.679	598460.533
66W-V-010	Lead-212	16.6	0.830	0.110	03/23/2006			1465606.679	598460.533
66W-V-010	Lead-214	8.9	0.650	0.120	03/23/2006			1465606.679	598460.533
66W-V-010	Plutonium-238	55	0.107	0.026	03/23/2006			1465606.679	598460.533
66W-V-010	Plutonium-239/240	62	0.010	0.010	03/23/2006	U		1465606.679	598460.533
66W-V-010	Potassium-40	47.8	20.700	0.900	03/23/2006			1465606.679	598460.533
66W-V-010	Radium-226	2.9	0.850	0.330	03/23/2006	J		1465606.679	598460.533
66W-V-010	Radium-228	2.1	0.970	0.300	03/23/2006			1465606.679	598460.533
66W-V-010	Thallium-208	0.498	0.260	0.090	03/23/2006			1465606.679	598460.533
66W-V-010	Thorium-228	2.6	0.860	0.040	03/23/2006			1465606.679	598460.533
66W-V-010	Thorium-230	2.8	0.880	0.020	03/23/2006			1465606.679	598460.533
66W-V-010	Thorium-232	2.1	0.900	0.030	03/23/2006			1465606.679	598460.533
66W-V-011	Actinium-227	4.6	0.410	0.410	03/23/2006	U		1465592.213	598434.423
66W-V-011	Americium-241	63	0.160	0.160	03/23/2006	U		1465592.213	598434.423
66W-V-011	Cesium-137	3.8	0.093	0.093	03/23/2006	U		1465592.213	598434.423
66W-V-011	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465592.213	598434.423
66W-V-011	Lead-212	16.6	0.520	0.150	03/23/2006			1465592.213	598434.423
66W-V-011	Lead-214	8.9	0.610	0.150	03/23/2006			1465592.213	598434.423
66W-V-011	Plutonium-238	55	0.537	0.026	03/23/2006			1465592.213	598434.423
66W-V-011	Plutonium-239/240	62	0.014	0.014	03/23/2006	U		1465592.213	598434.423
66W-V-011	Potassium-40	47.8	16.900	0.800	03/23/2006			1465592.213	598434.423
66W-V-011	Radium-226	2.9	0.680	0.360	03/23/2006	J		1465592.213	598434.423
66W-V-011	Thallium-208	0.498	0.304	0.088	03/23/2006			1465592.213	598434.423
66W-V-011	Thorium-228	2.6	0.773	0.029	03/23/2006			1465592.213	598434.423
66W-V-011	Thorium-230	2.8	0.769	0.011	03/23/2006			1465592.213	598434.423
66W-V-011	Thorium-232	2.1	0.766	0.019	03/23/2006			1465592.213	598434.423
66W-V-012	Actinium-227	4.6	0.750	0.460	03/23/2006	J		1465577.041	598407.607
66W-V-012	Actinium-228	1.93	0.420	0.250	03/23/2006			1465577.041	598407.607
66W-V-012	Americium-241	63	0.140	0.140	03/23/2006	U		1465577.041	598407.607
66W-V-012	Bismuth-214	1.17	0.420	0.240	03/23/2006			1465577.041	598407.607
66W-V-012	Cesium-137	3.8	0.079	0.079	03/23/2006	U		1465577.041	598407.607

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-012	Cobalt-60	0.7	0.077	0.077	03/23/2006	U		1465577.041	598407.607
66W-V-012	Lead-212	16.6	0.492	0.100	03/23/2006			1465577.041	598407.607
66W-V-012	Lead-214	8.9	0.480	0.130	03/23/2006			1465577.041	598407.607
66W-V-012	Plutonium-238	55	0.718	0.010	03/23/2006			1465577.041	598407.607
66W-V-012	Plutonium-239/240	62	0.008	0.003	03/23/2006	J		1465577.041	598407.607
66W-V-012	Potassium-40	47.8	13.100	0.700	03/23/2006			1465577.041	598407.607
66W-V-012	Radium-226	2.9	0.420	0.240	03/23/2006	J		1465577.041	598407.607
66W-V-012	Radium-228	2.1	0.420	0.250	03/23/2006			1465577.041	598407.607
66W-V-012	Thallium-208	0.498	0.180	0.071	03/23/2006			1465577.041	598407.607
66W-V-012	Thorium-228	2.6	0.685	0.019	03/23/2006			1465577.041	598407.607
66W-V-012	Thorium-230	2.8	0.782	0.015	03/23/2006			1465577.041	598407.607
66W-V-012	Thorium-232	2.1	0.714	0.017	03/23/2006			1465577.041	598407.607
66W-V-013	Actinium-227	4.6	0.400	0.400	03/23/2006	U		1465563.280	598382.203
66W-V-013	Actinium-228	1.93	0.810	0.340	03/23/2006			1465563.280	598382.203
66W-V-013	Americium-241	63	0.160	0.160	03/23/2006	U		1465563.280	598382.203
66W-V-013	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465563.280	598382.203
66W-V-013	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465563.280	598382.203
66W-V-013	Lead-212	16.6	1.020	0.150	03/23/2006			1465563.280	598382.203
66W-V-013	Lead-214	8.9	0.600	0.150	03/23/2006			1465563.280	598382.203
66W-V-013	Plutonium-238	55	0.412	0.024	03/23/2006			1465563.280	598382.203
66W-V-013	Plutonium-239/240	62	0.016	0.016	03/23/2006	U		1465563.280	598382.203
66W-V-013	Potassium-40	47.8	31.900	0.800	03/23/2006			1465563.280	598382.203
66W-V-013	Radium-226	2.9	0.950	0.380	03/23/2006	J		1465563.280	598382.203
66W-V-013	Radium-228	2.1	0.810	0.340	03/23/2006			1465563.280	598382.203
66W-V-013	Thallium-208	0.498	0.269	0.100	03/23/2006			1465563.280	598382.203
66W-V-013	Thorium-228	2.6	1.130	0.030	03/23/2006			1465563.280	598382.203
66W-V-013	Thorium-230	2.8	1.070	0.020	03/23/2006			1465563.280	598382.203
66W-V-013	Thorium-232	2.1	1.220	0.030	03/23/2006			1465563.280	598382.203
66W-V-014	Actinium-227	4.6	0.450	0.450	03/23/2006	U		1465580.216	598475.352
66W-V-014	Actinium-228	1.93	0.900	0.340	03/23/2006			1465580.216	598475.352
66W-V-014	Americium-241	63	0.160	0.160	03/23/2006	U		1465580.216	598475.352
66W-V-014	Bismuth-214	1.17	0.670	0.180	03/23/2006			1465580.216	598475.352
66W-V-014	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465580.216	598475.352
66W-V-014	Cobalt-60	0.7	0.120	0.120	03/23/2006	U		1465580.216	598475.352
66W-V-014	Lead-212	16.6	0.660	0.150	03/23/2006			1465580.216	598475.352
66W-V-014	Lead-214	8.9	0.670	0.150	03/23/2006			1465580.216	598475.352
66W-V-014	Plutonium-238	55	0.077	0.021	03/23/2006	J		1465580.216	598475.352
66W-V-014	Plutonium-239/240	62	0.010	0.010	03/23/2006	U		1465580.216	598475.352
66W-V-014	Potassium-40	47.8	23.500	0.800	03/23/2006			1465580.216	598475.352
66W-V-014	Radium-226	2.9	0.670	0.180	03/23/2006	J		1465580.216	598475.352
66W-V-014	Radium-228	2.1	0.900	0.340	03/23/2006			1465580.216	598475.352
66W-V-014	Thallium-208	0.498	0.237	0.095	03/23/2006			1465580.216	598475.352
66W-V-014	Thorium-228	2.6	0.828	0.029	03/23/2006			1465580.216	598475.352
66W-V-014	Thorium-230	2.8	0.657	0.018	03/23/2006			1465580.216	598475.352
66W-V-014	Thorium-232	2.1	0.890	0.020	03/23/2006			1465580.216	598475.352
66W-V-015	Actinium-227	4.6	0.300	0.300	03/23/2006	U		1465565.750	598448.889
66W-V-015	Actinium-228	1.93	0.520	0.250	03/23/2006			1465565.750	598448.889
66W-V-015	Americium-241	63	0.140	0.140	03/23/2006	U		1465565.750	598448.889
66W-V-015	Bismuth-214	1.17	0.560	0.130	03/23/2006			1465565.750	598448.889
66W-V-015	Cesium-137	3.8	0.096	0.096	03/23/2006	U		1465565.750	598448.889
66W-V-015	Cobalt-60	0.7	0.076	0.076	03/23/2006	U		1465565.750	598448.889
66W-V-015	Lead-212	16.6	0.540	0.110	03/23/2006			1465565.750	598448.889
66W-V-015	Lead-214	8.9	0.480	0.120	03/23/2006			1465565.750	598448.889
66W-V-015	Plutonium-238	55	0.458	0.029	03/23/2006			1465565.750	598448.889
66W-V-015	Plutonium-239/240	62	0.021	0.021	03/23/2006	U		1465565.750	598448.889
66W-V-015	Potassium-40	47.8	11.600	0.800	03/23/2006			1465565.750	598448.889
66W-V-015	Radium-226	2.9	0.560	0.130	03/23/2006	J		1465565.750	598448.889
66W-V-015	Radium-228	2.1	0.520	0.250	03/23/2006			1465565.750	598448.889
66W-V-015	Thallium-208	0.498	0.153	0.061	03/23/2006			1465565.750	598448.889
66W-V-015	Thorium-228	2.6	0.811	0.028	03/23/2006			1465565.750	598448.889
66W-V-015	Thorium-230	2.8	1.070	0.020	03/23/2006			1465565.750	598448.889

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-015	Thorium-232	2.1	0.827	0.017	03/23/2006			1465565.750	598448.889
66W-V-016	Actinium-227	4.6	0.350	0.350	03/23/2006	U		1465551.636	598422.779
66W-V-016	Americium-241	63	0.170	0.170	03/23/2006	U		1465551.636	598422.779
66W-V-016	Cesium-137	3.8	0.054	0.054	03/23/2006	U		1465551.636	598422.779
66W-V-016	Cobalt-60	0.7	0.093	0.093	03/23/2006	U		1465551.636	598422.779
66W-V-016	Lead-212	16.6	0.420	0.130	03/23/2006			1465551.636	598422.779
66W-V-016	Plutonium-238	55	1.910	0.020	03/23/2006			1465551.636	598422.779
66W-V-016	Plutonium-239/240	62	0.010	0.009	03/23/2006	J		1465551.636	598422.779
66W-V-016	Potassium-40	47.8	11.100	0.700	03/23/2006			1465551.636	598422.779
66W-V-016	Radium-226	2.9	0.430	0.300	03/23/2006	J		1465551.636	598422.779
66W-V-016	Thallium-208	0.498	0.205	0.070	03/23/2006			1465551.636	598422.779
66W-V-016	Thorium-228	2.6	0.572	0.020	03/23/2006			1465551.636	598422.779
66W-V-016	Thorium-230	2.8	0.657	0.004	03/23/2006			1465551.636	598422.779
66W-V-016	Thorium-232	2.1	0.493	0.014	03/23/2006			1465551.636	598422.779
66W-V-016D	Actinium-227	4.6	0.440	0.440	03/23/2006	U		1465551.636	598422.779
66W-V-016D	Actinium-228	1.93	0.380	0.250	03/23/2006			1465551.636	598422.779
66W-V-016D	Americium-241	63	0.150	0.150	03/23/2006	U		1465551.636	598422.779
66W-V-016D	Cesium-137	3.8	0.085	0.085	03/23/2006	U		1465551.636	598422.779
66W-V-016D	Cobalt-60	0.7	0.081	0.081	03/23/2006	U		1465551.636	598422.779
66W-V-016D	Lead-212	16.6	0.280	0.120	03/23/2006			1465551.636	598422.779
66W-V-016D	Lead-214	8.9	0.470	0.140	03/23/2006			1465551.636	598422.779
66W-V-016D	Plutonium-238	55	1.210	0.021	03/23/2006			1465551.636	598422.779
66W-V-016D	Plutonium-239/240	62	0.017	0.017	03/23/2006	U		1465551.636	598422.779
66W-V-016D	Potassium-40	47.8	11.400	0.800	03/23/2006			1465551.636	598422.779
66W-V-016D	Radium-226	2.9	0.440	0.260	03/23/2006	J		1465551.636	598422.779
66W-V-016D	Radium-228	2.1	0.380	0.250	03/23/2006			1465551.636	598422.779
66W-V-016D	Thallium-208	0.498	0.185	0.074	03/23/2006			1465551.636	598422.779
66W-V-016D	Thorium-228	2.6	0.482	0.024	03/23/2006			1465551.636	598422.779
66W-V-016D	Thorium-230	2.8	0.575	0.016	03/23/2006			1465551.636	598422.779
66W-V-016D	Thorium-232	2.1	0.447	0.016	03/23/2006			1465551.636	598422.779
66W-V-017	Actinium-227	4.6	0.500	0.500	03/23/2006	U		1465574.571	598340.568
66W-V-017	Actinium-228	1.93	0.830	0.330	03/23/2006			1465574.571	598340.568
66W-V-017	Americium-241	63	0.200	0.200	03/23/2006	U		1465574.571	598340.568
66W-V-017	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465574.571	598340.568
66W-V-017	Cobalt-60	0.7	0.100	0.100	03/23/2006	U		1465574.571	598340.568
66W-V-017	Lead-212	16.6	0.990	0.170	03/23/2006			1465574.571	598340.568
66W-V-017	Lead-214	8.9	0.740	0.180	03/23/2006			1465574.571	598340.568
66W-V-017	Plutonium-238	55	1.370	0.010	03/23/2006			1465574.571	598340.568
66W-V-017	Plutonium-239/240	62	0.013	0.011	03/23/2006	J		1465574.571	598340.568
66W-V-017	Potassium-40	47.8	21.500	1.000	03/23/2006			1465574.571	598340.568
66W-V-017	Radium-226	2.9	0.710	0.420	03/23/2006	J		1465574.571	598340.568
66W-V-017	Radium-228	2.1	0.830	0.330	03/23/2006			1465574.571	598340.568
66W-V-017	Thallium-208	0.498	0.300	0.100	03/23/2006			1465574.571	598340.568
66W-V-017	Thorium-228	2.6	0.953	0.019	03/23/2006			1465574.571	598340.568
66W-V-017	Thorium-230	2.8	1.110	0.010	03/23/2006			1465574.571	598340.568
66W-V-017	Thorium-232	2.1	0.941	0.011	03/23/2006			1465574.571	598340.568
66W-V-018	Actinium-227	4.6	1.110	0.630	03/23/2006			1465656.782	598364.561
66W-V-018	Actinium-228	1.93	0.670	0.290	03/23/2006			1465656.782	598364.561
66W-V-018	Americium-241	63	0.180	0.180	03/23/2006	U		1465656.782	598364.561
66W-V-018	Bismuth-214	1.17	0.770	0.150	03/23/2006			1465656.782	598364.561
66W-V-018	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465656.782	598364.561
66W-V-018	Cobalt-60	0.7	0.076	0.076	03/23/2006	U		1465656.782	598364.561
66W-V-018	Lead-212	16.6	0.630	0.140	03/23/2006			1465656.782	598364.561
66W-V-018	Lead-214	8.9	0.880	0.130	03/23/2006			1465656.782	598364.561
66W-V-018	Plutonium-238	55	4.290	0.030	03/23/2006			1465656.782	598364.561
66W-V-018	Plutonium-239/240	62	0.075	0.017	03/23/2006	J		1465656.782	598364.561
66W-V-018	Potassium-40	47.8	15.100	0.800	03/23/2006			1465656.782	598364.561
66W-V-018	Radium-226	2.9	0.770	0.150	03/23/2006	J		1465656.782	598364.561
66W-V-018	Radium-228	2.1	0.670	0.290	03/23/2006			1465656.782	598364.561
66W-V-018	Thallium-208	0.498	0.205	0.080	03/23/2006			1465656.782	598364.561
66W-V-018	Thorium-228	2.6	0.740	0.030	03/23/2006			1465656.782	598364.561

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Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-018	Thorium-230	2.8	1.090	0.030	03/23/2006			1465656.782	598364.561
66W-V-018	Thorium-232	2.1	0.730	0.020	03/23/2006			1465656.782	598364.561
66W-V-019	Actinium-227	4.6	0.480	0.480	03/23/2006	U		1465670.543	598391.024
66W-V-019	Actinium-228	1.93	0.890	0.260	03/23/2006			1465670.543	598391.024
66W-V-019	Americium-241	63	0.190	0.190	03/23/2006	U		1465670.543	598391.024
66W-V-019	Bismuth-214	1.17	0.770	0.160	03/23/2006			1465670.543	598391.024
66W-V-019	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465670.543	598391.024
66W-V-019	Cobalt-60	0.7	0.096	0.096	03/23/2006	U		1465670.543	598391.024
66W-V-019	Lead-210	7.4	2.600	2.000	03/23/2006			1465670.543	598391.024
66W-V-019	Lead-212	16.6	0.900	0.180	03/23/2006			1465670.543	598391.024
66W-V-019	Lead-214	8.9	0.960	0.160	03/23/2006			1465670.543	598391.024
66W-V-019	Plutonium-238	55	11.900	0.010	03/23/2006			1465670.543	598391.024
66W-V-019	Plutonium-239/240	62	0.115	0.009	03/23/2006			1465670.543	598391.024
66W-V-019	Potassium-40	47.8	20.900	1.000	03/23/2006			1465670.543	598391.024
66W-V-019	Radium-226	2.9	0.770	0.160	03/23/2006	J		1465670.543	598391.024
66W-V-019	Radium-228	2.1	0.890	0.260	03/23/2006			1465670.543	598391.024
66W-V-019	Thallium-208	0.498	0.349	0.093	03/23/2006			1465670.543	598391.024
66W-V-019	Thorium-228	2.6	1.030	0.010	03/23/2006			1465670.543	598391.024
66W-V-019	Thorium-230	2.8	1.370	0.010	03/23/2006			1465670.543	598391.024
66W-V-019	Thorium-232	2.1	0.990	0.010	03/23/2006			1465670.543	598391.024
66W-V-020	Actinium-227	4.6	0.330	0.330	03/23/2006	U		1465685.009	598417.134
66W-V-020	Actinium-228	1.93	0.730	0.220	03/23/2006			1465685.009	598417.134
66W-V-020	Americium-241	63	0.160	0.160	03/23/2006	U		1465685.009	598417.134
66W-V-020	Bismuth-214	1.17	0.830	0.140	03/23/2006			1465685.009	598417.134
66W-V-020	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465685.009	598417.134
66W-V-020	Cobalt-60	0.7	0.088	0.088	03/23/2006	U		1465685.009	598417.134
66W-V-020	Lead-212	16.6	0.890	0.090	03/23/2006			1465685.009	598417.134
66W-V-020	Lead-214	8.9	0.930	0.120	03/23/2006			1465685.009	598417.134
66W-V-020	Plutonium-238	55	8.990	0.020	03/23/2006			1465685.009	598417.134
66W-V-020	Plutonium-239/240	62	0.073	0.003	03/23/2006	J		1465685.009	598417.134
66W-V-020	Potassium-40	47.8	16.900	0.700	03/23/2006			1465685.009	598417.134
66W-V-020	Radium-226	2.9	0.830	0.140	03/23/2006	J		1465685.009	598417.134
66W-V-020	Radium-228	2.1	0.730	0.220	03/23/2006			1465685.009	598417.134
66W-V-020	Thallium-208	0.498	0.253	0.073	03/23/2006			1465685.009	598417.134
66W-V-020	Thorium-228	2.6	1.030	0.030	03/23/2006			1465685.009	598417.134
66W-V-020	Thorium-230	2.8	1.160	0.020	03/23/2006			1465685.009	598417.134
66W-V-020	Thorium-232	2.1	0.930	0.020	03/23/2006			1465685.009	598417.134
66W-V-021	Actinium-227	4.6	0.250	0.250	03/23/2006	U		1465699.828	598443.596
66W-V-021	Actinium-228	1.93	0.330	0.190	03/23/2006			1465699.828	598443.596
66W-V-021	Americium-241	63	0.100	0.100	03/23/2006	U		1465699.828	598443.596
66W-V-021	Cesium-137	3.8	0.062	0.062	03/23/2006	U		1465699.828	598443.596
66W-V-021	Cobalt-60	0.7	0.071	0.071	03/23/2006	U		1465699.828	598443.596
66W-V-021	Lead-212	16.6	0.122	0.091	03/23/2006			1465699.828	598443.596
66W-V-021	Plutonium-238	55	7.950	0.010	03/23/2006			1465699.828	598443.596
66W-V-021	Plutonium-239/240	62	0.151	0.003	03/23/2006			1465699.828	598443.596
66W-V-021	Potassium-40	47.8	5.000	0.400	03/23/2006			1465699.828	598443.596
66W-V-021	Radium-226	2.9	0.230	0.190	03/23/2006	J		1465699.828	598443.596
66W-V-021	Radium-228	2.1	0.330	0.190	03/23/2006			1465699.828	598443.596
66W-V-021	Thallium-208	0.498	0.102	0.058	03/23/2006			1465699.828	598443.596
66W-V-021	Thorium-228	2.6	0.320	0.029	03/23/2006			1465699.828	598443.596
66W-V-021	Thorium-230	2.8	0.289	0.012	03/23/2006			1465699.828	598443.596
66W-V-021	Thorium-232	2.1	0.287	0.029	03/23/2006			1465699.828	598443.596
66W-V-022	Actinium-227	4.6	0.910	0.580	03/23/2006			1465714.647	598469.706
66W-V-022	Actinium-228	1.93	0.790	0.310	03/23/2006			1465714.647	598469.706
66W-V-022	Americium-241	63	0.180	0.180	03/23/2006	U		1465714.647	598469.706
66W-V-022	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465714.647	598469.706
66W-V-022	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465714.647	598469.706
66W-V-022	Lead-212	16.6	0.730	0.110	03/23/2006			1465714.647	598469.706
66W-V-022	Lead-214	8.9	0.750	0.120	03/23/2006			1465714.647	598469.706
66W-V-022	Plutonium-238	55	0.875	0.011	03/23/2006			1465714.647	598469.706
66W-V-022	Plutonium-239/240	62	0.007	0.003	03/23/2006	J		1465714.647	598469.706

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-022	Potassium-40	47.8	16.600	0.800	03/23/2006			1465714.647	598469.706
66W-V-022	Radium-226	2.9	0.680	0.320	03/23/2006	J		1465714.647	598469.706
66W-V-022	Radium-228	2.1	0.790	0.310	03/23/2006			1465714.647	598469.706
66W-V-022	Thallium-208	0.498	0.254	0.086	03/23/2006			1465714.647	598469.706
66W-V-022	Thorium-228	2.6	0.970	0.030	03/23/2006			1465714.647	598469.706
66W-V-022	Thorium-230	2.8	0.930	0.020	03/23/2006			1465714.647	598469.706
66W-V-022	Thorium-232	2.1	0.740	0.010	03/23/2006			1465714.647	598469.706
66W-V-023	Actinium-227	4.6	0.320	0.320	03/23/2006	U		1465728.761	598495.816
66W-V-023	Americium-241	63	0.140	0.140	03/23/2006	U		1465728.761	598495.816
66W-V-023	Cesium-137	3.8	0.095	0.095	03/23/2006	U		1465728.761	598495.816
66W-V-023	Cobalt-60	0.7	0.069	0.069	03/23/2006	U		1465728.761	598495.816
66W-V-023	Lead-212	16.6	0.420	0.130	03/23/2006			1465728.761	598495.816
66W-V-023	Lead-214	8.9	0.500	0.130	03/23/2006			1465728.761	598495.816
66W-V-023	Plutonium-238	55	0.950	0.020	03/23/2006			1465728.761	598495.816
66W-V-023	Plutonium-239/240	62	0.019	0.019	03/23/2006	U		1465728.761	598495.816
66W-V-023	Potassium-40	47.8	9.500	0.800	03/23/2006			1465728.761	598495.816
66W-V-023	Radium-226	2.9	0.540	0.320	03/23/2006	J		1465728.761	598495.816
66W-V-023	Thallium-208	0.498	0.183	0.085	03/23/2006			1465728.761	598495.816
66W-V-023	Thorium-228	2.6	0.780	0.040	03/23/2006			1465728.761	598495.816
66W-V-023	Thorium-230	2.8	0.950	0.030	03/23/2006			1465728.761	598495.816
66W-V-023	Thorium-232	2.1	0.770	0.010	03/23/2006			1465728.761	598495.816
66W-V-024	Actinium-227	4.6	0.510	0.510	03/23/2006	U		1465702.651	598510.988
66W-V-024	Actinium-228	1.93	1.320	0.340	03/23/2006			1465702.651	598510.988
66W-V-024	Americium-241	63	0.180	0.180	03/23/2006	U		1465702.651	598510.988
66W-V-024	Bismuth-214	1.17	1.110	0.160	03/23/2006			1465702.651	598510.988
66W-V-024	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465702.651	598510.988
66W-V-024	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465702.651	598510.988
66W-V-024	Lead-212	16.6	1.400	0.130	03/23/2006			1465702.651	598510.988
66W-V-024	Lead-214	8.9	1.130	0.150	03/23/2006			1465702.651	598510.988
66W-V-024	Plutonium-238	55	0.063	0.028	03/23/2006	J		1465702.651	598510.988
66W-V-024	Plutonium-239/240	62	0.017	0.017	03/23/2006	U		1465702.651	598510.988
66W-V-024	Potassium-40	47.8	22.400	0.800	03/23/2006			1465702.651	598510.988
66W-V-024	Radium-226	2.9	1.110	0.160	03/23/2006	J		1465702.651	598510.988
66W-V-024	Radium-228	2.1	1.320	0.340	03/23/2006			1465702.651	598510.988
66W-V-024	Thallium-208	0.498	0.400	0.070	03/23/2006			1465702.651	598510.988
66W-V-024	Thorium-228	2.6	1.190	0.040	03/23/2006			1465702.651	598510.988
66W-V-024	Thorium-230	2.8	1.390	0.020	03/23/2006			1465702.651	598510.988
66W-V-024	Thorium-232	2.1	1.030	0.020	03/23/2006			1465702.651	598510.988
66W-V-025	Actinium-227	4.6	0.340	0.340	03/23/2006	U		1465688.185	598484.173
66W-V-025	Actinium-228	1.93	1.530	0.250	03/23/2006			1465688.185	598484.173
66W-V-025	Americium-241	63	0.140	0.140	03/23/2006	U		1465688.185	598484.173
66W-V-025	Bismuth-212	9.87	0.750	0.600	03/23/2006			1465688.185	598484.173
66W-V-025	Bismuth-214**	1.17	1.280	0.120	03/23/2006			1465688.185	598484.173
66W-V-025	Cesium-137	3.8	0.091	0.091	03/23/2006	U		1465688.185	598484.173
66W-V-025	Cobalt-60	0.7	0.091	0.091	03/23/2006	U		1465688.185	598484.173
66W-V-025	Lead-212	16.6	1.310	0.100	03/23/2006			1465688.185	598484.173
66W-V-025	Lead-214	8.9	1.210	0.120	03/23/2006			1465688.185	598484.173
66W-V-025	Plutonium-238	55	0.100	0.014	03/23/2006			1465688.185	598484.173
66W-V-025	Plutonium-239/240	62	0.008	0.008	03/23/2006	U		1465688.185	598484.173
66W-V-025	Potassium-40	47.8	26.400	0.600	03/23/2006			1465688.185	598484.173
66W-V-025	Radium-226	2.9	1.280	0.120	03/23/2006	J		1465688.185	598484.173
66W-V-025	Radium-228	2.1	1.530	0.250	03/23/2006			1465688.185	598484.173
66W-V-025	Thallium-208	0.498	0.447	0.069	03/23/2006			1465688.185	598484.173
66W-V-025	Thorium-228	2.6	1.520	0.030	03/23/2006			1465688.185	598484.173
66W-V-025	Thorium-230	2.8	1.560	0.020	03/23/2006			1465688.185	598484.173
66W-V-025	Thorium-232	2.1	1.250	0.020	03/23/2006			1465688.185	598484.173
66W-V-026	Actinium-227	4.6	0.440	0.440	03/23/2006	U		1465673.718	598458.063
66W-V-026	Actinium-228	1.93	1.130	0.300	03/23/2006			1465673.718	598458.063
66W-V-026	Americium-241	63	0.180	0.180	03/23/2006	U		1465673.718	598458.063
66W-V-026	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465673.718	598458.063
66W-V-026	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465673.718	598458.063

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-026	Lead-212	16.6	1.510	0.120	03/23/2006			1465673.718	598458.063
66W-V-026	Lead-214	8.9	1.230	0.150	03/23/2006			1465673.718	598458.063
66W-V-026	Plutonium-238	55	0.628	0.010	03/23/2006			1465673.718	598458.063
66W-V-026	Plutonium-239/240	62	0.016	0.010	03/23/2006	J		1465673.718	598458.063
66W-V-026	Potassium-40	47.8	25.000	0.900	03/23/2006			1465673.718	598458.063
66W-V-026	Radium-226	2.9	1.320	0.450	03/23/2006			1465673.718	598458.063
66W-V-026	Radium-228	2.1	1.130	0.300	03/23/2006			1465673.718	598458.063
66W-V-026	Thallium-208	0.498	0.480	0.100	03/23/2006			1465673.718	598458.063
66W-V-026	Thorium-228	2.6	1.300	0.030	03/23/2006			1465673.718	598458.063
66W-V-026	Thorium-230	2.8	1.380	0.020	03/23/2006			1465673.718	598458.063
66W-V-026	Thorium-232	2.1	1.150	0.020	03/23/2006			1465673.718	598458.063
66W-V-026D	Actinium-227	4.6	0.490	0.490	03/23/2006	U		1465673.718	598458.063
66W-V-026D	Actinium-228	1.93	0.860	0.420	03/23/2006			1465673.718	598458.063
66W-V-026D	Americium-241	63	0.210	0.210	03/23/2006	U		1465673.718	598458.063
66W-V-026D	Bismuth-214	1.17	1.010	0.180	03/23/2006			1465673.718	598458.063
66W-V-026D	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465673.718	598458.063
66W-V-026D	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465673.718	598458.063
66W-V-026D	Lead-212	16.6	1.500	0.130	03/23/2006			1465673.718	598458.063
66W-V-026D	Lead-214	8.9	0.920	0.190	03/23/2006			1465673.718	598458.063
66W-V-026D	Plutonium-238	55	0.906	0.015	03/23/2006			1465673.718	598458.063
66W-V-026D	Plutonium-239/240	62	0.011	0.008	03/23/2006	J		1465673.718	598458.063
66W-V-026D	Potassium-40	47.8	21.100	1.300	03/23/2006			1465673.718	598458.063
66W-V-026D	Radium-226	2.9	1.010	0.180	03/23/2006	J		1465673.718	598458.063
66W-V-026D	Radium-228	2.1	0.860	0.420	03/23/2006			1465673.718	598458.063
66W-V-026D	Thallium-208**	0.498	0.540	0.090	03/23/2006			1465673.718	598458.063
66W-V-026D	Thorium-228	2.6	1.220	0.030	03/23/2006			1465673.718	598458.063
66W-V-026D	Thorium-230	2.8	1.360	0.020	03/23/2006			1465673.718	598458.063
66W-V-026D	Thorium-232	2.1	1.160	0.010	03/23/2006			1465673.718	598458.063
66W-V-027	Actinium-227	4.6	0.480	0.480	03/23/2006	U		1465647.255	598472.529
66W-V-027	Actinium-228	1.93	0.930	0.370	03/23/2006			1465647.255	598472.529
66W-V-027	Americium-241	63	0.190	0.190	03/23/2006	U		1465647.255	598472.529
66W-V-027	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465647.255	598472.529
66W-V-027	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465647.255	598472.529
66W-V-027	Lead-212	16.6	0.680	0.160	03/23/2006			1465647.255	598472.529
66W-V-027	Lead-214	8.9	0.660	0.160	03/23/2006			1465647.255	598472.529
66W-V-027	Plutonium-238	55	1.200	0.014	03/23/2006			1465647.255	598472.529
66W-V-027	Plutonium-239/240	62	0.011	0.011	03/23/2006	U		1465647.255	598472.529
66W-V-027	Potassium-40	47.8	17.000	0.900	03/23/2006			1465647.255	598472.529
66W-V-027	Radium-226	2.9	0.610	0.380	03/23/2006	J		1465647.255	598472.529
66W-V-027	Radium-228	2.1	0.930	0.370	03/23/2006			1465647.255	598472.529
66W-V-027	Thallium-208	0.498	0.276	0.085	03/23/2006			1465647.255	598472.529
66W-V-027	Thorium-228	2.6	0.768	0.021	03/23/2006			1465647.255	598472.529
66W-V-027	Thorium-230	2.8	1.040	0.020	03/23/2006			1465647.255	598472.529
66W-V-027	Thorium-232	2.1	0.787	0.018	03/23/2006			1465647.255	598472.529
66W-V-028	Actinium-227	4.6	0.480	0.480	03/23/2006	U		1465661.722	598498.639
66W-V-028	Actinium-228	1.93	0.760	0.360	03/23/2006			1465661.722	598498.639
66W-V-028	Americium-241	63	0.190	0.190	03/23/2006	U		1465661.722	598498.639
66W-V-028	Bismuth-214	1.17	0.810	0.190	03/23/2006			1465661.722	598498.639
66W-V-028	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465661.722	598498.639
66W-V-028	Cobalt-60	0.7	0.120	0.120	03/23/2006	U		1465661.722	598498.639
66W-V-028	Lead-212	16.6	0.870	0.130	03/23/2006			1465661.722	598498.639
66W-V-028	Lead-214	8.9	0.810	0.180	03/23/2006			1465661.722	598498.639
66W-V-028	Plutonium-238	55	1.670	0.030	03/23/2006			1465661.722	598498.639
66W-V-028	Plutonium-239/240	62	0.024	0.012	03/23/2006	J		1465661.722	598498.639
66W-V-028	Potassium-40	47.8	17.400	0.600	03/23/2006			1465661.722	598498.639
66W-V-028	Radium-226	2.9	0.810	0.190	03/23/2006	J	J-	1465661.722	598498.639
66W-V-028	Radium-228	2.1	0.760	0.360	03/23/2006			1465661.722	598498.639
66W-V-028	Thallium-208	0.498	0.300	0.080	03/23/2006			1465661.722	598498.639
66W-V-028	Thorium-228	2.6	0.960	0.020	03/23/2006			1465661.722	598498.639
66W-V-028	Thorium-230	2.8	1.020	0.020	03/23/2006			1465661.722	598498.639
66W-V-028	Thorium-232	2.1	0.800	0.020	03/23/2006			1465661.722	598498.639

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-029	Actinium-227	4.6	0.460	0.460	03/23/2006	U		1465675.835	598524.749
66W-V-029	Actinium-228	1.93	1.210	0.340	03/23/2006			1465675.835	598524.749
66W-V-029	Americium-241	63	0.180	0.180	03/23/2006	U		1465675.835	598524.749
66W-V-029	Bismuth-214	1.17	1.100	0.180	03/23/2006			1465675.835	598524.749
66W-V-029	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465675.835	598524.749
66W-V-029	Cobalt-60	0.7	0.130	0.130	03/23/2006	U		1465675.835	598524.749
66W-V-029	Lead-210	7.4	2.400	1.900	03/23/2006			1465675.835	598524.749
66W-V-029	Lead-212	16.6	1.310	0.120	03/23/2006			1465675.835	598524.749
66W-V-029	Lead-214	8.9	1.100	0.150	03/23/2006			1465675.835	598524.749
66W-V-029	Plutonium-238	55	1.840	0.020	03/23/2006			1465675.835	598524.749
66W-V-029	Plutonium-239/240	62	0.012	0.012	03/23/2006	U		1465675.835	598524.749
66W-V-029	Potassium-40	47.8	33.500	0.900	03/23/2006			1465675.835	598524.749
66W-V-029	Radium-226	2.9	1.100	0.180	03/23/2006	J		1465675.835	598524.749
66W-V-029	Radium-228	2.1	1.210	0.340	03/23/2006			1465675.835	598524.749
66W-V-029	Thallium-208**	0.498	0.510	0.090	03/23/2006			1465675.835	598524.749
66W-V-029	Thorium-228	2.6	1.090	0.020	03/23/2006			1465675.835	598524.749
66W-V-029	Thorium-230	2.8	1.460	0.007	03/23/2006			1465675.835	598524.749
66W-V-029	Thorium-232	2.1	1.060	0.020	03/23/2006			1465675.835	598524.749
66W-V-030	Actinium-227	4.6	0.440	0.440	03/23/2006	U		1465635.612	598513.106
66W-V-030	Actinium-228	1.93	0.760	0.320	03/23/2006			1465635.612	598513.106
66W-V-030	Americium-241	63	0.190	0.190	03/23/2006	U		1465635.612	598513.106
66W-V-030	Cesium-137	3.8	0.083	0.083	03/23/2006	U		1465635.612	598513.106
66W-V-030	Cobalt-60	0.7	0.100	0.100	03/23/2006	U		1465635.612	598513.106
66W-V-030	Lead-212	16.6	0.870	0.120	03/23/2006			1465635.612	598513.106
66W-V-030	Lead-214	8.9	0.690	0.170	03/23/2006			1465635.612	598513.106
66W-V-030	Plutonium-238	55	3.120	0.010	03/23/2006			1465635.612	598513.106
66W-V-030	Plutonium-239/240	62	0.039	0.008	03/23/2006	J		1465635.612	598513.106
66W-V-030	Potassium-40	47.8	24.600	0.900	03/23/2006			1465635.612	598513.106
66W-V-030	Radium-226	2.9	0.580	0.360	03/23/2006	J		1465635.612	598513.106
66W-V-030	Radium-228	2.1	0.760	0.320	03/23/2006			1465635.612	598513.106
66W-V-030	Thallium-208	0.498	0.330	0.080	03/23/2006			1465635.612	598513.106
66W-V-030	Thorium-228	2.6	0.900	0.050	03/23/2006			1465635.612	598513.106
66W-V-030	Thorium-230	2.8	0.720	0.040	03/23/2006			1465635.612	598513.106
66W-V-030	Thorium-232	2.1	0.850	0.020	03/23/2006			1465635.612	598513.106
66W-V-031	Actinium-227	4.6	1.250	0.640	03/23/2006			1465650.431	598539.568
66W-V-031	Actinium-228	1.93	0.790	0.320	03/23/2006			1465650.431	598539.568
66W-V-031	Americium-241	63	0.180	0.180	03/23/2006	U		1465650.431	598539.568
66W-V-031	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465650.431	598539.568
66W-V-031	Cobalt-60	0.7	0.100	0.100	03/23/2006	U		1465650.431	598539.568
66W-V-031	Lead-212	16.6	0.650	0.150	03/23/2006			1465650.431	598539.568
66W-V-031	Lead-214	8.9	0.610	0.160	03/23/2006			1465650.431	598539.568
66W-V-031	Plutonium-238	55	0.450	0.017	03/23/2006			1465650.431	598539.568
66W-V-031	Plutonium-239/240	62	0.010	0.003	03/23/2006	J		1465650.431	598539.568
66W-V-031	Potassium-40	47.8	18.600	0.700	03/23/2006			1465650.431	598539.568
66W-V-031	Radium-226	2.9	0.710	0.330	03/23/2006	J		1465650.431	598539.568
66W-V-031	Radium-228	2.1	0.790	0.320	03/23/2006			1465650.431	598539.568
66W-V-031	Thallium-208	0.498	0.249	0.082	03/23/2006			1465650.431	598539.568
66W-V-031	Thorium-228	2.6	0.770	0.030	03/23/2006			1465650.431	598539.568
66W-V-031	Thorium-230	2.8	0.990	0.050	03/23/2006			1465650.431	598539.568
66W-V-031	Thorium-232	2.1	0.640	0.030	03/23/2006			1465650.431	598539.568
66W-V-032	Actinium-227	4.6	0.500	0.500	03/23/2006	U		1465664.897	598565.678
66W-V-032	Actinium-228	1.93	1.140	0.330	03/23/2006			1465664.897	598565.678
66W-V-032	Americium-241	63	0.190	0.190	03/23/2006	U		1465664.897	598565.678
66W-V-032	Bismuth-212	9.87	0.960	0.870	03/23/2006			1465664.897	598565.678
66W-V-032	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465664.897	598565.678
66W-V-032	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465664.897	598565.678
66W-V-032	Lead-212	16.6	0.780	0.180	03/23/2006			1465664.897	598565.678
66W-V-032	Lead-214	8.9	0.620	0.180	03/23/2006			1465664.897	598565.678
66W-V-032	Plutonium-238	55	0.015	0.015	03/23/2006	U		1465664.897	598565.678
66W-V-032	Plutonium-239/240	62	0.003	0.003	03/23/2006	U		1465664.897	598565.678
66W-V-032	Potassium-40	47.8	25.700	1.200	03/23/2006			1465664.897	598565.678

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-032	Radium-226	2.9	0.590	0.380	03/23/2006	J		1465664.897	598565.678
66W-V-032	Radium-228	2.1	1.140	0.330	03/23/2006			1465664.897	598565.678
66W-V-032	Thallium-208	0.498	0.480	0.110	03/23/2006			1465664.897	598565.678
66W-V-032	Thorium-228	2.6	0.960	0.040	03/23/2006			1465664.897	598565.678
66W-V-032	Thorium-230	2.8	0.800	0.010	03/23/2006			1465664.897	598565.678
66W-V-032	Thorium-232	2.1	0.870	0.020	03/23/2006			1465664.897	598565.678
66W-V-033	Actinium-227	4.6	0.460	0.460	03/23/2006	U		1465679.364	598592.494
66W-V-033	Actinium-228	1.93	0.750	0.390	03/23/2006			1465679.364	598592.494
66W-V-033	Americium-241	63	0.170	0.170	03/23/2006	U		1465679.364	598592.494
66W-V-033	Bismuth-212	9.87	0.940	0.580	03/23/2006			1465679.364	598592.494
66W-V-033	Cesium-137	3.8	0.130	0.130	03/23/2006	U		1465679.364	598592.494
66W-V-033	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465679.364	598592.494
66W-V-033	Lead-212	16.6	0.860	0.160	03/23/2006			1465679.364	598592.494
66W-V-033	Lead-214	8.9	0.810	0.140	03/23/2006			1465679.364	598592.494
66W-V-033	Plutonium-238	55	0.331	0.018	03/23/2006			1465679.364	598592.494
66W-V-033	Plutonium-239/240	62	0.012	0.009	03/23/2006	J		1465679.364	598592.494
66W-V-033	Potassium-40	47.8	26.800	1.100	03/23/2006			1465679.364	598592.494
66W-V-033	Radium-226	2.9	0.570	0.330	03/23/2006	J		1465679.364	598592.494
66W-V-033	Radium-228	2.1	0.750	0.390	03/23/2006			1465679.364	598592.494
66W-V-033	Thallium-208	0.498	0.296	0.092	03/23/2006			1465679.364	598592.494
66W-V-033	Thorium-228	2.6	0.970	0.040	03/23/2006			1465679.364	598592.494
66W-V-033	Thorium-230	2.8	0.890	0.030	03/23/2006			1465679.364	598592.494
66W-V-033	Thorium-232	2.1	0.880	0.030	03/23/2006			1465679.364	598592.494
66W-V-034	Actinium-227	4.6	0.510	0.510	03/23/2006	U		1465691.360	598551.565
66W-V-034	Actinium-228	1.93	1.200	0.260	03/23/2006			1465691.360	598551.565
66W-V-034	Americium-241	63	0.210	0.210	03/23/2006	U		1465691.360	598551.565
66W-V-034	Bismuth-214**	1.17	1.210	0.140	03/23/2006			1465691.360	598551.565
66W-V-034	Cesium-137	3.8	0.110	0.110	03/23/2006	U		1465691.360	598551.565
66W-V-034	Cobalt-60	0.7	0.100	0.100	03/23/2006	U		1465691.360	598551.565
66W-V-034	Lead-212	16.6	1.440	0.150	03/23/2006			1465691.360	598551.565
66W-V-034	Lead-214	8.9	1.190	0.190	03/23/2006			1465691.360	598551.565
66W-V-034	Plutonium-238	55	0.018	0.018	03/23/2006	J		1465691.360	598551.565
66W-V-034	Plutonium-239/240	62	0.004	0.003	03/23/2006	J		1465691.360	598551.565
66W-V-034	Potassium-40	47.8	23.100	0.800	03/23/2006			1465691.360	598551.565
66W-V-034	Radium-226	2.9	1.210	0.140	03/23/2006	J		1465691.360	598551.565
66W-V-034	Radium-228	2.1	1.200	0.260	03/23/2006			1465691.360	598551.565
66W-V-034	Thallium-208	0.498	0.390	0.110	03/23/2006			1465691.360	598551.565
66W-V-034	Thorium-228	2.6	1.180	0.030	03/23/2006			1465691.360	598551.565
66W-V-034	Thorium-230	2.8	1.110	0.020	03/23/2006			1465691.360	598551.565
66W-V-034	Thorium-232	2.1	1.390	0.010	03/23/2006			1465691.360	598551.565
66W-V-035	Actinium-227	4.6	0.560	0.560	03/23/2006	U		1465717.470	598536.746
66W-V-035	Actinium-228	1.93	1.070	0.310	03/23/2006			1465717.470	598536.746
66W-V-035	Americium-241	63	0.160	0.160	03/23/2006	U		1465717.470	598536.746
66W-V-035	Bismuth-212	9.87	0.840	0.730	03/23/2006			1465717.470	598536.746
66W-V-035	Bismuth-214	1.17	0.620	0.200	03/23/2006			1465717.470	598536.746
66W-V-035	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465717.470	598536.746
66W-V-035	Cobalt-60	0.7	0.100	0.100	03/23/2006	U		1465717.470	598536.746
66W-V-035	Lead-212	16.6	0.860	0.170	03/23/2006			1465717.470	598536.746
66W-V-035	Lead-214	8.9	0.710	0.170	03/23/2006			1465717.470	598536.746
66W-V-035	Plutonium-238	55	0.341	0.077	03/23/2006			1465717.470	598536.746
66W-V-035	Plutonium-239/240	62	0.025	0.025	03/23/2006	U		1465717.470	598536.746
66W-V-035	Potassium-40	47.8	18.600	2.000	03/23/2006			1465717.470	598536.746
66W-V-035	Radium-226	2.9	0.620	0.200	03/23/2006	J		1465717.470	598536.746
66W-V-035	Radium-228	2.1	1.070	0.310	03/23/2006			1465717.470	598536.746
66W-V-035	Thallium-208	0.498	0.367	0.091	03/23/2006			1465717.470	598536.746
66W-V-035	Thorium-228	2.6	1.320	0.040	03/23/2006			1465717.470	598536.746
66W-V-035	Thorium-230	2.8	1.430	0.020	03/23/2006			1465717.470	598536.746
66W-V-035	Thorium-232	2.1	1.300	0.010	03/23/2006			1465717.470	598536.746
66W-V-036	Actinium-227	4.6	0.420	0.420	03/23/2006	U		1465705.474	598576.969
66W-V-036	Actinium-228	1.93	1.210	0.350	03/23/2006			1465705.474	598576.969
66W-V-036	Americium-241	63	0.180	0.180	03/23/2006	U		1465705.474	598576.969

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-036	Bismuth-214	1.17	1.100	0.150	03/23/2006			1465705.474	598576.969
66W-V-036	Cesium-137	3.8	0.090	0.090	03/23/2006	U		1465705.474	598576.969
66W-V-036	Cobalt-60	0.7	0.083	0.083	03/23/2006	U		1465705.474	598576.969
66W-V-036	Lead-212	16.6	1.540	0.110	03/23/2006			1465705.474	598576.969
66W-V-036	Lead-214	8.9	1.110	0.160	03/23/2006			1465705.474	598576.969
66W-V-036	Plutonium-238	55	0.028	0.013	03/23/2006	J		1465705.474	598576.969
66W-V-036	Plutonium-239/240	62	0.011	0.011	03/23/2006	U		1465705.474	598576.969
66W-V-036	Potassium-40	47.8	26.600	0.800	03/23/2006			1465705.474	598576.969
66W-V-036	Radium-226	2.9	1.100	0.150	03/23/2006	J		1465705.474	598576.969
66W-V-036	Radium-228	2.1	1.210	0.350	03/23/2006			1465705.474	598576.969
66W-V-036	Thallium-208**	0.498	0.500	0.080	03/23/2006			1465705.474	598576.969
66W-V-036	Thorium-228	2.6	1.130	0.030	03/23/2006			1465705.474	598576.969
66W-V-036	Thorium-230	2.8	1.210	0.020	03/23/2006			1465705.474	598576.969
66W-V-036	Thorium-232	2.1	1.360	0.010	03/23/2006			1465705.474	598576.969
66W-V-036	Thorium-234	176	2.200	1.600	03/23/2006			1465705.474	598576.969
66W-V-036	Uranium-238	2.2	2.200	1.600	03/23/2006			1465705.474	598576.969
66W-V-037	Actinium-227	4.6	0.550	0.550	03/23/2006	U		1465731.584	598563.209
66W-V-037	Actinium-228	1.93	1.120	0.410	03/23/2006			1465731.584	598563.209
66W-V-037	Americium-241	63	0.210	0.210	03/23/2006	U		1465731.584	598563.209
66W-V-037	Cesium-137	3.8	0.130	0.130	03/23/2006	U		1465731.584	598563.209
66W-V-037	Cobalt-60	0.7	0.130	0.130	03/23/2006	U		1465731.584	598563.209
66W-V-037	Lead-212	16.6	1.120	0.190	03/23/2006			1465731.584	598563.209
66W-V-037	Lead-214	8.9	0.920	0.180	03/23/2006			1465731.584	598563.209
66W-V-037	Plutonium-238	55	1.610	0.110	03/23/2006			1465731.584	598563.209
66W-V-037	Plutonium-239/240	62	0.071	0.047	03/23/2006	J		1465731.584	598563.209
66W-V-037	Potassium-40	47.8	27.300	1.000	03/23/2006			1465731.584	598563.209
66W-V-037	Radium-226	2.9	0.880	0.430	03/23/2006	J		1465731.584	598563.209
66W-V-037	Radium-228	2.1	1.120	0.410	03/23/2006			1465731.584	598563.209
66W-V-037	Thallium-208	0.498	0.380	0.110	03/23/2006			1465731.584	598563.209
66W-V-037	Thorium-228	2.6	1.100	0.030	03/23/2006			1465731.584	598563.209
66W-V-037	Thorium-230	2.8	1.100	0.020	03/23/2006			1465731.584	598563.209
66W-V-037	Thorium-232	2.1	1.010	0.030	03/23/2006			1465731.584	598563.209
66W-V-038	Actinium-227	4.6	0.310	0.310	03/23/2006	U		1465623.615	598554.035
66W-V-038	Actinium-228	1.93	0.620	0.220	03/23/2006			1465623.615	598554.035
66W-V-038	Americium-241	63	0.130	0.130	03/23/2006	U		1465623.615	598554.035
66W-V-038	Bismuth-214	1.17	0.490	0.130	03/23/2006			1465623.615	598554.035
66W-V-038	Cesium-137	3.8	0.090	0.090	03/23/2006	U		1465623.615	598554.035
66W-V-038	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465623.615	598554.035
66W-V-038	Lead-212	16.6	0.490	0.120	03/23/2006			1465623.615	598554.035
66W-V-038	Lead-214	8.9	0.550	0.120	03/23/2006			1465623.615	598554.035
66W-V-038	Plutonium-238	55	0.029	0.017	03/23/2006	J		1465623.615	598554.035
66W-V-038	Plutonium-239/240	62	0.010	0.010	03/23/2006	U		1465623.615	598554.035
66W-V-038	Potassium-40	47.8	15.800	0.700	03/23/2006			1465623.615	598554.035
66W-V-038	Radium-226	2.9	0.490	0.130	03/23/2006	J		1465623.615	598554.035
66W-V-038	Radium-228	2.1	0.620	0.220	03/23/2006			1465623.615	598554.035
66W-V-038	Thallium-208	0.498	0.164	0.081	03/23/2006			1465623.615	598554.035
66W-V-038	Thorium-228	2.6	0.790	0.030	03/23/2006			1465623.615	598554.035
66W-V-038	Thorium-230	2.8	0.820	0.010	03/23/2006			1465623.615	598554.035
66W-V-038	Thorium-232	2.1	0.740	0.010	03/23/2006			1465623.615	598554.035
66W-V-039	Actinium-227	4.6	0.990	0.620	03/23/2006			1465609.149	598527.572
66W-V-039	Actinium-228	1.93	0.820	0.350	03/23/2006			1465609.149	598527.572
66W-V-039	Americium-241	63	0.200	0.200	03/23/2006	U		1465609.149	598527.572
66W-V-039	Cesium-137	3.8	0.084	0.084	03/23/2006	U		1465609.149	598527.572
66W-V-039	Cobalt-60	0.7	0.095	0.095	03/23/2006	U		1465609.149	598527.572
66W-V-039	Lead-212	16.6	0.700	0.130	03/23/2006			1465609.149	598527.572
66W-V-039	Lead-214	8.9	0.530	0.170	03/23/2006			1465609.149	598527.572
66W-V-039	Plutonium-238	55	0.241	0.019	03/23/2006			1465609.149	598527.572
66W-V-039	Plutonium-239/240	62	0.009	0.009	03/23/2006	U		1465609.149	598527.572
66W-V-039	Potassium-40	47.8	23.800	0.900	03/23/2006			1465609.149	598527.572
66W-V-039	Radium-226	2.9	0.500	0.320	03/23/2006	J		1465609.149	598527.572
66W-V-039	Radium-228	2.1	0.820	0.350	03/23/2006			1465609.149	598527.572

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Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-039	Thallium-208	0.498	0.260	0.090	03/23/2006			1465609.149	598527.572
66W-V-039	Thorium-228	2.6	0.970	0.040	03/23/2006			1465609.149	598527.572
66W-V-039	Thorium-230	2.8	0.950	0.020	03/23/2006			1465609.149	598527.572
66W-V-039	Thorium-232	2.1	0.950	0.010	03/23/2006			1465609.149	598527.572
66W-V-040	Actinium-227	4.6	0.460	0.460	03/23/2006	U		1465594.683	598501.462
66W-V-040	Actinium-228	1.93	0.990	0.260	03/23/2006			1465594.683	598501.462
66W-V-040	Americium-241	63	0.190	0.190	03/23/2006	U		1465594.683	598501.462
66W-V-040	Cesium-137	3.8	0.096	0.096	03/23/2006	U		1465594.683	598501.462
66W-V-040	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465594.683	598501.462
66W-V-040	Lead-212	16.6	0.730	0.120	03/23/2006			1465594.683	598501.462
66W-V-040	Plutonium-238	55	1.040	0.019	03/23/2006			1465594.683	598501.462
66W-V-040	Plutonium-239/240	62	0.010	0.009	03/23/2006	J		1465594.683	598501.462
66W-V-040	Potassium-40	47.8	21.600	0.800	03/23/2006			1465594.683	598501.462
66W-V-040	Radium-226	2.9	0.570	0.360	03/23/2006	J		1465594.683	598501.462
66W-V-040	Radium-228	2.1	0.990	0.260	03/23/2006			1465594.683	598501.462
66W-V-040	Thallium-208	0.498	0.330	0.100	03/23/2006			1465594.683	598501.462
66W-V-040	Thorium-228	2.6	0.960	0.010	03/23/2006			1465594.683	598501.462
66W-V-040	Thorium-230	2.8	0.875	0.011	03/23/2006			1465594.683	598501.462
66W-V-040	Thorium-232	2.1	0.900	0.010	03/23/2006			1465594.683	598501.462
66W-V-041	Actinium-227	4.6	0.250	0.250	03/23/2006	U		1465638.434	598580.498
66W-V-041	Americium-241	63	0.094	0.094	03/23/2006	U		1465638.434	598580.498
66W-V-041	Cesium-137	3.8	0.049	0.049	03/23/2006	U		1465638.434	598580.498
66W-V-041	Cobalt-60	0.7	0.059	0.059	03/23/2006	U		1465638.434	598580.498
66W-V-041	Lead-212	16.6	0.144	0.087	03/23/2006			1465638.434	598580.498
66W-V-041	Plutonium-238	55	0.138	0.009	03/23/2006			1465638.434	598580.498
66W-V-041	Plutonium-239/240	62	0.009	0.009	03/23/2006	U		1465638.434	598580.498
66W-V-041	Potassium-40	47.8	5.200	0.600	03/23/2006			1465638.434	598580.498
66W-V-041	Radium-226	2.9	0.234	0.190	03/23/2006	J		1465638.434	598580.498
66W-V-041	Thorium-228	2.6	0.210	0.070	03/23/2006			1465638.434	598580.498
66W-V-041	Thorium-230	2.8	0.410	0.050	03/23/2006			1465638.434	598580.498
66W-V-041	Thorium-232	2.1	0.136	0.028	03/23/2006			1465638.434	598580.498
66W-V-042	Actinium-227	4.6	0.610	0.610	03/23/2006	U		1465719.759	598603.500
66W-V-042	Actinium-228	1.93	1.120	0.380	03/23/2006			1465719.759	598603.500
66W-V-042	Americium-241	63	0.220	0.220	03/23/2006	U		1465719.759	598603.500
66W-V-042	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465719.759	598603.500
66W-V-042	Cobalt-60	0.7	0.120	0.120	03/23/2006	U		1465719.759	598603.500
66W-V-042	Lead-212	16.6	1.370	0.150	03/23/2006			1465719.759	598603.500
66W-V-042	Lead-214	8.9	1.010	0.200	03/23/2006			1465719.759	598603.500
66W-V-042	Plutonium-238	55	0.014	0.014	03/23/2006	U		1465719.759	598603.500
66W-V-042	Plutonium-239/240	62	0.008	0.008	03/23/2006	U		1465719.759	598603.500
66W-V-042	Potassium-40	47.8	26.000	0.900	03/23/2006			1465719.759	598603.500
66W-V-042	Radium-226	2.9	0.850	0.440	03/23/2006	J		1465719.759	598603.500
66W-V-042	Radium-228	2.1	1.120	0.380	03/23/2006			1465719.759	598603.500
66W-V-042	Thallium-208**	0.498	0.510	0.120	03/23/2006			1465719.759	598603.500
66W-V-042	Thorium-228	2.6	1.210	0.030	03/23/2006			1465719.759	598603.500
66W-V-042	Thorium-230	2.8	1.090	0.010	03/23/2006			1465719.759	598603.500
66W-V-042	Thorium-232	2.1	1.340	0.010	03/23/2006			1465719.759	598603.500
66W-V-043	Actinium-227	4.6	0.270	0.270	03/23/2006	U		1465652.679	598606.460
66W-V-043	Actinium-228	1.93	0.480	0.210	03/23/2006			1465652.679	598606.460
66W-V-043	Americium-241	63	0.098	0.098	03/23/2006	U		1465652.679	598606.460
66W-V-043	Cesium-137	3.8	0.085	0.085	03/23/2006	U		1465652.679	598606.460
66W-V-043	Cobalt-60	0.7	0.072	0.072	03/23/2006	U		1465652.679	598606.460
66W-V-043	Lead-212	16.6	0.350	0.090	03/23/2006			1465652.679	598606.460
66W-V-043	Lead-214	8.9	0.510	0.100	03/23/2006			1465652.679	598606.460
66W-V-043	Plutonium-238	55	0.166	0.013	03/23/2006			1465652.679	598606.460
66W-V-043	Plutonium-239/240	62	0.007	0.007	03/23/2006	U		1465652.679	598606.460
66W-V-043	Potassium-40	47.8	9.800	0.800	03/23/2006			1465652.679	598606.460
66W-V-043	Radium-226	2.9	0.510	0.260	03/23/2006	J		1465652.679	598606.460
66W-V-043	Radium-228	2.1	0.480	0.210	03/23/2006			1465652.679	598606.460
66W-V-043	Thallium-208	0.498	0.111	0.060	03/23/2006			1465652.679	598606.460
66W-V-043	Thorium-228	2.6	0.410	0.030	03/23/2006			1465652.679	598606.460

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-043	Thorium-230	2.8	0.620	0.030	03/23/2006			1465652.679	598606.460
66W-V-043	Thorium-232	2.1	0.520	0.010	03/23/2006			1465652.679	598606.460
66W-V-043D	Actinium-227	4.6	0.350	0.350	03/23/2006	U		1465652.679	598606.460
66W-V-043D	Americium-241	63	0.130	0.130	03/23/2006	U		1465652.679	598606.460
66W-V-043D	Cesium-137	3.8	0.068	0.068	03/23/2006	U		1465652.679	598606.460
66W-V-043D	Cobalt-60	0.7	0.063	0.063	03/23/2006	U		1465652.679	598606.460
66W-V-043D	Lead-212	16.6	0.360	0.110	03/23/2006			1465652.679	598606.460
66W-V-043D	Lead-214	8.9	0.340	0.100	03/23/2006			1465652.679	598606.460
66W-V-043D	Plutonium-238	55	0.156	0.017	03/23/2006			1465652.679	598606.460
66W-V-043D	Plutonium-239/240	62	0.008	0.008	03/23/2006	U		1465652.679	598606.460
66W-V-043D	Potassium-40	47.8	8.100	0.600	03/23/2006			1465652.679	598606.460
66W-V-043D	Radium-226	2.9	0.400	0.270	03/23/2006	J		1465652.679	598606.460
66W-V-043D	Thallium-208	0.498	0.146	0.067	03/23/2006			1465652.679	598606.460
66W-V-043D	Thorium-228	2.6	0.530	0.030	03/23/2006			1465652.679	598606.460
66W-V-043D	Thorium-230	2.8	0.500	0.020	03/23/2006			1465652.679	598606.460
66W-V-043D	Thorium-232	2.1	0.470	0.020	03/23/2006			1465652.679	598606.460
66W-V-044	Actinium-227	4.6	0.530	0.530	03/23/2006	U		1465760.796	598615.535
66W-V-044	Actinium-228	1.93	1.030	0.350	03/23/2006			1465760.796	598615.535
66W-V-044	Americium-241	63	0.150	0.150	03/23/2006	U		1465760.796	598615.535
66W-V-044	Bismuth-214	1.17	0.720	0.170	03/23/2006			1465760.796	598615.535
66W-V-044	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465760.796	598615.535
66W-V-044	Cobalt-60	0.7	0.090	0.090	03/23/2006	U		1465760.796	598615.535
66W-V-044	Lead-212	16.6	0.780	0.160	03/23/2006			1465760.796	598615.535
66W-V-044	Lead-214	8.9	0.790	0.160	03/23/2006			1465760.796	598615.535
66W-V-044	Plutonium-238	55	0.267	0.020	03/23/2006			1465760.796	598615.535
66W-V-044	Plutonium-239/240	62	0.020	0.020	03/23/2006	U		1465760.796	598615.535
66W-V-044	Potassium-40	47.8	20.500	1.100	03/23/2006			1465760.796	598615.535
66W-V-044	Radium-226	2.9	0.720	0.170	03/23/2006	J		1465760.796	598615.535
66W-V-044	Radium-228	2.1	1.030	0.350	03/23/2006			1465760.796	598615.535
66W-V-044	Thallium-208	0.498	0.253	0.089	03/23/2006			1465760.796	598615.535
66W-V-044	Thorium-228	2.6	1.050	0.030	03/23/2006			1465760.796	598615.535
66W-V-044	Thorium-230	2.8	0.950	0.010	03/23/2006			1465760.796	598615.535
66W-V-044	Thorium-232	2.1	0.970	0.020	03/23/2006			1465760.796	598615.535
66W-V-045	Actinium-227	4.6	0.450	0.450	03/23/2006	U		1465746.196	598589.098
66W-V-045	Actinium-228	1.93	0.860	0.310	03/23/2006			1465746.196	598589.098
66W-V-045	Americium-241	63	0.190	0.190	03/23/2006	U		1465746.196	598589.098
66W-V-045	Bismuth-214	1.17	0.730	0.160	03/23/2006			1465746.196	598589.098
66W-V-045	Cesium-137	3.8	0.120	0.120	03/23/2006	U		1465746.196	598589.098
66W-V-045	Cobalt-60	0.7	0.110	0.110	03/23/2006	U		1465746.196	598589.098
66W-V-045	Lead-212	16.6	0.760	0.170	03/23/2006			1465746.196	598589.098
66W-V-045	Lead-214	8.9	0.700	0.180	03/23/2006			1465746.196	598589.098
66W-V-045	Plutonium-238	55	0.390	0.019	03/23/2006			1465746.196	598589.098
66W-V-045	Plutonium-239/240	62	0.010	0.009	03/23/2006	J		1465746.196	598589.098
66W-V-045	Potassium-40	47.8	18.300	1.100	03/23/2006			1465746.196	598589.098
66W-V-045	Radium-226	2.9	0.730	0.160	03/23/2006	J		1465746.196	598589.098
66W-V-045	Radium-228	2.1	0.860	0.310	03/23/2006			1465746.196	598589.098
66W-V-045	Thallium-208	0.498	0.310	0.100	03/23/2006			1465746.196	598589.098
66W-V-045	Thorium-228	2.6	1.040	0.020	03/23/2006			1465746.196	598589.098
66W-V-045	Thorium-230	2.8	1.000	0.020	03/23/2006			1465746.196	598589.098
66W-V-045	Thorium-232	2.1	1.080	0.020	03/23/2006			1465746.196	598589.098
66W-V-045D	Actinium-227	4.6	1.730	0.720	03/23/2006			1465746.196	598589.098
66W-V-045D	Actinium-228	1.93	1.040	0.340	03/23/2006			1465746.196	598589.098
66W-V-045D	Americium-241	63	0.200	0.200	03/23/2006	U		1465746.196	598589.098
66W-V-045D	Cesium-137	3.8	0.100	0.100	03/23/2006	U		1465746.196	598589.098
66W-V-045D	Cobalt-60	0.7	0.130	0.130	03/23/2006	U		1465746.196	598589.098
66W-V-045D	Lead-212	16.6	0.790	0.150	03/23/2006			1465746.196	598589.098
66W-V-045D	Lead-214	8.9	0.660	0.160	03/23/2006			1465746.196	598589.098
66W-V-045D	Plutonium-238	55	0.490	0.050	03/23/2006			1465746.196	598589.098
66W-V-045D	Plutonium-239/240	62	0.047	0.047	03/23/2006	U		1465746.196	598589.098
66W-V-045D	Potassium-40	47.8	22.600	1.100	03/23/2006			1465746.196	598589.098
66W-V-045D	Radium-226	2.9	0.620	0.350	03/23/2006	J		1465746.196	598589.098

Table 2: 66 West Offsite Verification Results (pCi/g)

[bold values are >CO and <HS]

Location	Analyte	CO	Result	Detection Limits	Date	Lab Qual	Data Qual	X Coord	Y Coord
66W-V-045D	Radium-228	2.1	1.040	0.340	03/23/2006			1465746.196	598589.098
66W-V-045D	Thallium-208	0.498	0.410	0.090	03/23/2006			1465746.196	598589.098
66W-V-045D	Thorium-228	2.6	0.980	0.030	03/23/2006			1465746.196	598589.098
66W-V-045D	Thorium-230	2.8	1.130	0.010	03/23/2006			1465746.196	598589.098
66W-V-045D	Thorium-232	2.1	1.050	0.020	03/23/2006			1465746.196	598589.098

U: not detected
J: estimated
R: rejected
+/-: indicates a bias
D: duplicate
CO: cleanup objective
** Bi-214 and Tl-208 are both daughter products of U-238 and Th-232, respectively. Daughter activity is included in the parent CO and therefore not evaluated independently of the parent.

Table 3: Building 61 Onsite Characterization Results (pCi/g)

Location	Analyte	CO	Result	Detection Limit	Date	Lab Qual	Data Qual	X Coord	Y Coord
BD-61-005 (0-4')	Actinium-227	4.6	0.340	0.340	04/12/2006	U		1466462.792	599214.075
BD-61-003 (0-4')	Actinium-227	4.6	0.300	0.300	04/12/2006	U		1466402.533	599210.860
BD-61-001 (0-4')	Actinium-227	4.6	0.250	0.250	04/12/2006	U		1466459.430	599264.881
BD-61-001 (4-8')	Actinium-227	4.6	0.240	0.240	04/12/2006	U		1466459.430	599264.881
BD-61-004 (0-4')	Actinium-227	4.6	0.240	0.240	04/12/2006	U		1466403.989	599187.404
BD-61-002 (0-4')	Actinium-227	4.6	0.230	0.230	04/12/2006	U		1466424.199	599251.278
BD-61-003 (4-8')	Actinium-227	4.6	0.230	0.230	04/12/2006	U		1466402.533	599210.860
BD-61-005 (4-8')	Actinium-227	4.6	0.230	0.230	04/12/2006	U		1466462.792	599214.075
BD-61-004 (4-6')	Actinium-227	4.6	0.200	0.200	04/12/2006	U		1466403.989	599187.404
BD-61-002 (4-8')	Actinium-227	4.6	0.190	0.190	04/12/2006	U		1466424.199	599251.278
BD-61-002 (8-12')	Actinium-227	4.6	0.170	0.170	04/12/2006	U		1466424.199	599251.278
BD-61-004 (8-10')	Actinium-227	4.6	0.160	0.160	04/12/2006	U		1466403.989	599187.404
BD-61-003 (0-4')	Americium-241	63	0.090	0.090	04/12/2006	U		1466402.533	599210.860
BD-61-001 (0-4')	Americium-241	63	0.080	0.080	04/12/2006	U		1466459.430	599264.881
BD-61-001 (4-8')	Americium-241	63	0.080	0.080	04/12/2006	U		1466459.430	599264.881
BD-61-005 (0-4')	Americium-241	63	0.080	0.080	04/12/2006	U		1466462.792	599214.075
BD-61-002 (0-4')	Americium-241	63	0.070	0.070	04/12/2006	U		1466424.199	599251.278
BD-61-003 (4-8')	Americium-241	63	0.070	0.070	04/12/2006	U		1466402.533	599210.860
BD-61-005 (4-8')	Americium-241	63	0.070	0.070	04/12/2006	U		1466462.792	599214.075
BD-61-004 (0-4')	Americium-241	63	0.060	0.060	04/12/2006	U		1466403.989	599187.404
BD-61-004 (4-6')	Americium-241	63	0.060	0.060	04/12/2006	U		1466403.989	599187.404
BD-61-002 (4-8')	Americium-241	63	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-002 (8-12')	Americium-241	63	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-004 (8-10')	Americium-241	63	0.050	0.050	04/12/2006	U		1466403.989	599187.404
BD-61-004 (0-4')	Cesium-137	3.8	0.080	0.030	04/12/2006			1466403.989	599187.404
BD-61-001 (0-4')	Cesium-137	3.8	0.070	0.070	04/12/2006	U		1466459.430	599264.881
BD-61-001 (4-8')	Cesium-137	3.8	0.060	0.060	04/12/2006	U		1466459.430	599264.881
BD-61-003 (0-4')	Cesium-137	3.8	0.060	0.060	04/12/2006			1466402.533	599210.860
BD-61-002 (0-4')	Cesium-137	3.8	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-002 (4-8')	Cesium-137	3.8	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-003 (4-8')	Cesium-137	3.8	0.050	0.050	04/12/2006	U		1466402.533	599210.860
BD-61-005 (0-4')	Cesium-137	3.8	0.050	0.050	04/12/2006	U		1466462.792	599214.075
BD-61-005 (4-8')	Cesium-137	3.8	0.050	0.050	04/12/2006	U		1466462.792	599214.075
BD-61-004 (4-6')	Cesium-137	3.8	0.040	0.040	04/12/2006	U		1466403.989	599187.404
BD-61-002 (8-12')	Cesium-137	3.8	0.030	0.030	04/12/2006	U		1466424.199	599251.278
BD-61-004 (8-10')	Cesium-137	3.8	0.030	0.030	04/12/2006	U		1466403.989	599187.404
BD-61-003 (0-4')	Cobalt-60	0.7	0.070	0.070	04/12/2006	U		1466402.533	599210.860
BD-61-001 (0-4')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466459.430	599264.881
BD-61-001 (4-8')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466459.430	599264.881
BD-61-002 (0-4')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466424.199	599251.278
BD-61-003 (4-8')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466402.533	599210.860
BD-61-004 (0-4')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466403.989	599187.404
BD-61-005 (0-4')	Cobalt-60	0.7	0.060	0.060	04/12/2006	U		1466462.792	599214.075
BD-61-002 (4-8')	Cobalt-60	0.7	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-002 (8-12')	Cobalt-60	0.7	0.050	0.050	04/12/2006	U		1466424.199	599251.278
BD-61-004 (4-6')	Cobalt-60	0.7	0.050	0.050	04/12/2006	U		1466403.989	599187.404
BD-61-005 (4-8')	Cobalt-60	0.7	0.050	0.050	04/12/2006	U		1466462.792	599214.075
BD-61-004 (8-10')	Cobalt-60	0.7	0.030	0.030	04/12/2006	U		1466403.989	599187.404
BD-61-005 (4-8')	Lead-210	7.4	0.950	0.610	04/12/2006			1466462.792	599214.075
BD-61-002 (0-4')	Lead-210	7.4	0.920	0.550	04/12/2006			1466424.199	599251.278
BD-61-003 (0-4')	Lead-210	7.4	0.840	0.840	04/12/2006			1466402.533	599210.860
BD-61-001 (4-8')	Lead-210	7.4	0.800	0.670	04/12/2006			1466459.430	599264.881
BD-61-004 (0-4')	Lead-210	7.4	0.800	0.510	04/12/2006			1466403.989	599187.404
BD-61-004 (4-6')	Lead-210	7.4	0.790	0.480	04/12/2006			1466403.989	599187.404
BD-61-001 (0-4')	Lead-210	7.4	0.750	0.690	04/12/2006			1466459.430	599264.881
BD-61-005 (0-4')	Lead-210	7.4	0.710	0.710	04/12/2006	U		1466462.792	599214.075
BD-61-002 (4-8')	Lead-210	7.4	0.660	0.440	04/12/2006			1466424.199	599251.278
BD-61-003 (4-8')	Lead-210	7.4	0.650	0.650	04/12/2006	U		1466402.533	599210.860
BD-61-004 (8-10')	Lead-210	7.4	0.600	0.490	04/12/2006			1466403.989	599187.404
BD-61-002 (8-12')	Lead-210	7.4	0.430	0.430	04/12/2006	U		1466424.199	599251.278

Table 3: Building 61 Onsite Characterization Results (pCi/g)

Location	Analyte	CO	Result	Detection Limit	Date	Lab Qual	Data Qual	X Coord	Y Coord
BD-61-003 (0-4')	Plutonium-238	55	16.830	16.830	04/12/2006	U		1466402.533	599210.860
BD-61-001 (0-4')	Plutonium-238	55	13.500	13.500	04/12/2006	U		1466459.430	599264.881
BD-61-004 (4-6')	Plutonium-238	55	13.380	13.380	04/12/2006	U		1466403.989	599187.404
BD-61-004 (0-4')	Plutonium-238	55	13.230	13.230	04/12/2006	U		1466403.989	599187.404
BD-61-005 (4-8')	Plutonium-238	55	13.050	13.050	04/12/2006	U		1466462.792	599214.075
BD-61-003 (4-8')	Plutonium-238	55	12.730	12.730	04/12/2006	U		1466402.533	599210.860
BD-61-002 (0-4')	Plutonium-238	55	12.710	12.710	04/12/2006	U		1466424.199	599251.278
BD-61-001 (4-8')	Plutonium-238	55	12.640	12.640	04/12/2006	U		1466459.430	599264.881
BD-61-005 (0-4')	Plutonium-238	55	12.630	12.630	04/12/2006	U		1466462.792	599214.075
BD-61-002 (4-8')	Plutonium-238	55	12.200	12.200	04/12/2006	U		1466424.199	599251.278
BD-61-004 (8-10')	Plutonium-238	55	11.190	11.190	04/12/2006	U		1466403.989	599187.404
BD-61-002 (8-12')	Plutonium-238	55	10.720	10.720	04/12/2006	U		1466424.199	599251.278
BD-61-002 (0-4')	Radium-226	2.9	1.800	0.680	04/12/2006			1466424.199	599251.278
BD-61-005 (4-8')	Radium-226	2.9	1.790	0.710	04/12/2006			1466462.792	599214.075
BD-61-004 (4-6')	Radium-226	2.9	1.750	0.570	04/12/2006			1466403.989	599187.404
BD-61-002 (4-8')	Radium-226	2.9	1.660	0.570	04/12/2006			1466424.199	599251.278
BD-61-005 (0-4')	Radium-226	2.9	1.580	0.760	04/12/2006			1466462.792	599214.075
BD-61-001 (0-4')	Radium-226	2.9	1.570	0.750	04/12/2006			1466459.430	599264.881
BD-61-001 (4-8')	Radium-226	2.9	1.460	0.790	04/12/2006			1466459.430	599264.881
BD-61-002 (8-12')	Radium-226	2.9	1.420	0.490	04/12/2006			1466424.199	599251.278
BD-61-003 (0-4')	Radium-226	2.9	1.410	0.700	04/12/2006			1466402.533	599210.860
BD-61-003 (4-8')	Radium-226	2.9	1.410	0.730	04/12/2006			1466402.533	599210.860
BD-61-004 (8-10')	Radium-226	2.9	1.350	0.550	04/12/2006			1466403.989	599187.404
BD-61-004 (0-4')	Radium-226	2.9	1.190	0.670	04/12/2006			1466403.989	599187.404
BD-61-003 (0-4')	Thorium-230**	2.8	7.830	7.830	04/12/2006	U		1466402.533	599210.860
BD-61-001 (0-4')	Thorium-230**	2.8	7.700	7.700	04/12/2006	U		1466459.430	599264.881
BD-61-005 (0-4')	Thorium-230**	2.8	7.230	7.230	04/12/2006	U		1466462.792	599214.075
BD-61-001 (4-8')	Thorium-230**	2.8	7.210	7.210	04/12/2006	U		1466459.430	599264.881
BD-61-003 (4-8')	Thorium-230**	2.8	7.150	7.150	04/12/2006	U		1466402.533	599210.860
BD-61-005 (4-8')	Thorium-230**	2.8	6.820	6.820	04/12/2006	U		1466462.792	599214.075
BD-61-002 (0-4')	Thorium-230**	2.8	6.300	6.300	04/12/2006	U		1466424.199	599251.278
BD-61-004 (8-10')	Thorium-230**	2.8	5.770	5.770	04/12/2006	U		1466403.989	599187.404
BD-61-004 (0-4')	Thorium-230**	2.8	5.670	5.670	04/12/2006	U		1466403.989	599187.404
BD-61-002 (4-8')	Thorium-230**	2.8	5.550	5.550	04/12/2006	U		1466424.199	599251.278
BD-61-004 (4-6')	Thorium-230**	2.8	5.220	5.220	04/12/2006	U		1466403.989	599187.404
BD-61-002 (8-12')	Thorium-230**	2.8	4.730	4.730	04/12/2006	U		1466424.199	599251.278
BD-61-003 (4-8')	Thorium-232	2.1	0.740	0.150	04/12/2006			1466402.533	599210.860
BD-61-001 (0-4')	Thorium-232	2.1	0.690	0.170	04/12/2006			1466459.430	599264.881
BD-61-001 (4-8')	Thorium-232	2.1	0.640	0.130	04/12/2006			1466459.430	599264.881
BD-61-003 (0-4')	Thorium-232	2.1	0.630	0.210	04/12/2006			1466402.533	599210.860
BD-61-005 (0-4')	Thorium-232	2.1	0.590	0.150	04/12/2006			1466462.792	599214.075
BD-61-004 (0-4')	Thorium-232	2.1	0.510	0.160	04/12/2006			1466403.989	599187.404
BD-61-002 (0-4')	Thorium-232	2.1	0.440	0.170	04/12/2006			1466424.199	599251.278
BD-61-004 (8-10')	Thorium-232	2.1	0.390	0.110	04/12/2006			1466403.989	599187.404
BD-61-004 (4-6')	Thorium-232	2.1	0.330	0.120	04/12/2006			1466403.989	599187.404
BD-61-002 (8-12')	Thorium-232	2.1	0.260	0.100	04/12/2006			1466424.199	599251.278
BD-61-005 (4-8')	Thorium-232	2.1	0.220	0.220	04/12/2006	U		1466462.792	599214.075
BD-61-002 (4-8')	Thorium-232	2.1	0.200	0.130	04/12/2006			1466424.199	599251.278

U: not detected
CO: cleanup objective
** these results are not considered >CO unless the result is greater then the detection limit.

APPENDIX C

SOIL ANALYSIS REPORTS

- PRS 442
- 66 West
- Building 61 Soil

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10847
File ID: 1SC03925.s0
Priority: Yes

Description\Location
PRS 442 PV001
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.11
Cs-137	*	0	0.06
Pb-210	*	0.39	0.74
Ra-226		1.21	0.84
Ac-227 (D)	*	0.2	0.28
Th-230	*	4.47	7.57
Th-232 (D)		0.9	0.17
Pu-238	*	0	14.01
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A55/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10867
File ID: 2SC04601.s0
Priority: Yes

Description\Location
PRS 442 PV002
Long Count

Collector: 5520
Date Received: 3/16/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.04
Cs-137	*	0	0.04
Pb-210		0.87	0.58
Ra-226		1.42	0.73
Ac-227 (D)	*	0.09	0.2
Th-230	*	0	6.36
Th-232 (D)		0.66	0.17
Pu-238	*	3.26	12.82
Am-241	*	0.03	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A56/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10868
File ID: 2SC04602.s0
Priority: Yes

Description\Location
PRS 442 PV003
Long Count

Collector: 5520
Date Received: 03/16/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.04
Cs-137	*	0.02	0.04
Pb-210		1.12	0.59
Ra-226		2.07	0.82
Ac-227 (D)	*	0.03	0.26
Th-230	*	3.86	7.09
Th-232 (D)		0.7	0.15
Pu-238	*	3.07	14.34
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A57/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10848
File ID: 1SC03926.s0
Priority: Yes

Description\Location
PRS 442 PV004
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.03	0.06
Cs-137	*	0	0.06
Pb-210		1.11	0.73
Ra-226		1.85	0.78
Ac-227 (D)	*	0	0.37
Th-230	*	4.8	7.68
Th-232 (D)		0.94	0.2
Pu-238	*	0	13.86
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A58/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10849
File ID: 1SC03927.s0
Priority: Yes

Description\Location
PRS 442 PV005
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0	0.06
Pb-210		0.88	0.73
Ra-226		0.96	0.69
Ac-227 (D)	*	0	0.29
Th-230	*	0.41	7.93
Th-232 (D)		0.78	0.22
Pu-238	*	0	13.89
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A59/ 192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10819
File ID: 1SC03911.s0
Priority: Yes

Description\Location
PRS 442 PV006
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.02	0.01
Cs-137	*	0.01	0.03
Pb-210	*	0.31	0.37
Ra-226		0.49	0.46
Ac-227 (D)	*	0.02	0.14
Th-230	*	0.95	3.75
Th-232 (D)		0.15	0.11
Pu-238	*	0.43	8.12
Am-241	*	0.01	0.04

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A60/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10820
File ID: 1SC03912.s0
Priority: Yes

Description\Location
PRS 442 PV007
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.03
Cs-137		0.05	0.04
Pb-210	*	0.3	0.66
Ra-226		1.13	0.67
Ac-227 (D)	*	0	0.26
Th-230	*	0	7
Th-232 (D)		0.68	0.12
Pu-238	*	0	12.61
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A61/ 192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10850
File ID: 1SC03928.s0
Priority: Yes

Description\Location
PRS 442 PV008
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.03
Cs-137	*	0	0.05
Pb-210		0.65	0.54
Ra-226		1.14	0.58
Ac-227 (D)	*	0	0.2
Th-230	*	2.1	5.33
Th-232 (D)		0.25	0.17
Pu-238	*	0	11.01
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A62/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10851
File ID: 1SC03929.s0
Priority: Yes

Description\Location
PRS 442 PV009
Long Count

Collector: 5520
Date Received: 03/15/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.04	0.08
Cs-137	*	0	0.07
Pb-210	*	0.57	0.81
Ra-226		1.53	0.77
Ac-227 (D)	*	0.16	0.27
Th-230	*	1.13	8.13
Th-232 (D)		0.84	0.21
Pu-238	*	0	14.82
Am-241	*	0.03	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A63/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10852
File ID: 1SC03930.s0
Priority: Yes

Description\Location
PRS 442 PV010
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.1
Cs-137	*	0	0.06
Pb-210		0.78	0.72
Ra-226	*	0.87	0.88
Ac-227 (D)	*	0.24	0.26
Th-230	*	0	7.67
Th-232 (D)		0.91	0.21
Pu-238	*	1.03	12.94
Am-241	*	0.03	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A64/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10821
File ID: 2SC04575.s0
Priority: Yes

Description\Location
PRS 442 PV011
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137		0.05	0.02
Pb-210		0.84	0.43
Ra-226		1.07	0.68
Ac-227 (D)	*	0.03	0.19
Th-230	*	1.26	5.66
Th-232 (D)		0.44	0.15
Pu-238	*	6.98	11.34
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A65/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10822
File ID: 2SC04576.s0
Priority: Yes

Description\Location
PRS 442 PV012
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0.02	0.03
Pb-210		0.77	0.63
Ra-226		1.7	0.68
Ac-227 (D)	*	0	0.24
Th-230	*	0.1	7.07
Th-232 (D)		0.6	0.19
Pu-238	*	0	14.67
Am-241	*	0.02	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A66/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10823
File ID: 1SC03913.s0
Priority: Yes

Description\Location
PRS 442 PV013
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0	0.06
Pb-210	*	0.36	0.83
Ra-226		2.23	0.83
Ac-227 (D)	*	0.17	0.27
Th-230	*	4.5	7.92
Th-232 (D)		0.88	0.18
Pu-238	*	0.27	14.23
Am-241	*	0.01	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A67/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10869
File ID: 2SC04603.s0
Priority: Yes

Description\Location
PRS 442 PV014
Long Count

Collector: 5520
Date Received: 03/16/05
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.04
Cs-137		0.04	0.03
Pb-210		0.95	0.65
Ra-226		1.44	0.81
Ac-227 (D)	*	0	0.25
Th-230	*	0	7.36
Th-232 (D)		0.58	0.23
Pu-238	*	1.5	14.63
Am-241	*	0.02	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A68/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10824
File ID: 1SC03914.s0
Priority: Yes

Description\Location
PRS 442 PV015
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137	*	0.02	0.03
Pb-210		0.57	0.49
Ra-226		1.2	0.51
Ac-227 (D)	*	0.11	0.16
Th-230	*	0	5.44
Th-232 (D)		0.25	0.13
Pu-238	*	0.33	10.27
Am-241	*	0.02	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A69/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10870
File ID: 2SC04604.s0
Priority: Yes

Description\Location
PRS 442 PV016
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		1.13	0.55
Ra-226		2.18	0.67
Ac-227 (D)	*	0.01	0.22
Th-230	*	2.09	6.48
Th-232 (D)		0.86	0.13
Pu-238	*	5.84	12.43
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A70/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10871
File ID: 2SC04605.s0
Priority: Yes

Description\Location
PRS 442 PV017
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137		0.03	0.03
Pb-210		0.72	0.49
Ra-226		1.64	0.6
Ac-227 (D)	*	0	0.22
Th-230	*	2.15	5.87
Th-232 (D)		0.52	0.14
Pu-238	*	0	12.96
Am-241	*	0.01	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A71/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10825
File ID: 1SC03915.s0
Priority: Yes

Description\Location
PRS 442 PV018
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0	0.06
Pb-210	*	0.26	0.67
Ra-226		1.72	0.71
Ac-227 (D)	*	0.01	0.24
Th-230	*	1.27	6.97
Th-232 (D)		0.56	0.2
Pu-238	*	6.77	11.86
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A-72/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10826
File ID: 1SC03916.s0
Priority: Yes

Description\Location
PRS 442 PV019
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.06
Cs-137	*	0.02	0.05
Pb-210		1	0.68
Ra-226		1.76	0.76
Ac-227 (D)	*	0.18	0.24
Th-230	*	0	7.59
Th-232 (D)		0.59	0.24
Pu-238	*	0.74	13.1
Am-241	*	0.02	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A73/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10827
File ID: 1SC03917.s0
Priority: Yes

Description\Location
PRS 442 PV020
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.02	0.01
Cs-137	*	0.01	0.02
Pb-210	*	0.14	0.33
Ra-226	*	0.15	0.41
Ac-227 (D)	*	0.09	0.11
Th-230	*	0	3.21
Th-232 (D)		0.11	0.01
Pu-238	*	0	7.16
Am-241	*	0.01	0.03

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A74/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10828
File ID: 1SC03918.s0
Priority: Yes

Description\Location
PRS 442 PV021
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137	*	0	0.06
Pb-210	*	0.37	0.7
Ra-226		0.75	0.6
Ac-227 (D)	*	0.04	0.23
Th-230	*	0	7.23
Th-232 (D)		0.76	0.18
Pu-238	*	0	13.1
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A75/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10872
File ID: 2SC04606.s0
Priority: Yes

Description\Location
PRS 442 PV022
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137		0.03	0.03
Pb-210		0.75	0.5
Ra-226		1.71	0.57
Ac-227 (D)	*	0.02	0.2
Th-230	*	1.66	5.7
Th-232 (D)		0.59	0.17
Pu-238	*	0	12.25
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A76/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10873
File ID: 2SC04607.s0
Priority: Yes

Description\Location
PRS 442 PV023
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.06
Pb-210		0.9	0.69
Ra-226		2.64	0.78
Ac-227 (D)	*	0.11	0.25
Th-230	*	3.79	7.07
Th-232 (D)		0.79	0.18
Pu-238	*	0	15.63
Am-241	*	0.01	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A77/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10853
File ID: 1SC03931.s0
Priority: Yes

Description\Location
PRS 442 PV024
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0.01	0.06
Pb-210		0.73	0.7
Ra-226		1.26	0.77
Ac-227 (D)	*	0.09	0.26
Th-230	*	0	7.93
Th-232 (D)		0.69	0.21
Pu-238	*	0	14.97
Am-241	*	0.04	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A-78/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10854
File ID: 1SC03932.s0
Priority: Yes

Description\Location
PRS 442 PV025
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.02	0.03
Pb-210	*	0.43	0.53
Ra-226	*	0.49	0.66
Ac-227 (D)	*	0	0.21
Th-230	*	0	5.87
Th-232 (D)		0.38	0.13
Pu-238	*	3.5	10.23
Am-241	*	0.02	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A79/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10874
File ID: 2SC04608.s0
Priority: Yes

Description\Location
PRS 442 PV026
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.03	0.04
Cs-137	*	0	0.04
Pb-210		0.69	0.44
Ra-226		1.16	0.58
Ac-227 (D)	*	0	0.2
Th-230	*	1.63	5.36
Th-232 (D)		0.41	0.15
Pu-238	*	0	11.86
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A80/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10855
File ID: 2SC04589.s0
Priority: Yes

Description\Location
PRS 442 PV027
Long Count

Collector: 5520
Date Received: 03/15/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.01	0.01
Cs-137	*	0.01	0.02
Pb-210		0.42	0.26
Ra-226	*	0.28	0.36
Ac-227 (D)	*	0	0.13
Th-230	*	0.54	3.2
Th-232 (D)	*	0.07	0.08
Pu-238	*	0	8.57
Am-241	*	0.01	0.03

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ DOT 2nCi/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

Comments:

Date: 03/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A81/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10875
File ID: 1SC03933.s0
Priority: Yes

Description\Location
PRS 442 PV028
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.09
Cs-137	*	0.02	0.05
Pb-210	*	0.55	0.77
Ra-226		1.39	0.86
Ac-227 (D)	*	0	0.38
Th-230	*	5.64	7.83
Th-232 (D)		0.65	0.27
Pu-238	*	1.85	14.27
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A82/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10876
File ID: 1SC03934.s0
Priority: Yes

Description\Location
PRS 442 PV029
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.06
Cs-137	*	0	0.06
Pb-210		1.05	0.67
Ra-226		1.97	0.88
Ac-227 (D)	*	0.22	0.27
Th-230	*	0	8.93
Th-232 (D)		0.99	0.13
Pu-238	*	0	14.75
Am-241		0.09	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A83/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10856
File ID: 2SC04590.s0
Priority: Yes

Description\Location
PRS 442 PV030
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.04
Cs-137	*	0.01	0.04
Pb-210		1.26	0.52
Ra-226		2.03	0.67
Ac-227 (D)	*	0.07	0.22
Th-230	*	2.29	6.54
Th-232 (D)		0.75	0.16
Pu-238	*	0	14
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A84/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10857
File ID: 2SC04591.s0
Priority: Yes

Description\Location
PRS 442 PV031
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		0.74	0.53
Ra-226		1.01	0.67
Ac-227 (D)	*	0	0.23
Th-230	*	0	6.11
Th-232 (D)		0.58	0.15
Pu-238	*	0	13.01
Am-241	*	0.01	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A85/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10829
File ID: 1SC03919.s0
Priority: Yes

Description\Location
PRS 442 PV032
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0	0.03
Pb-210		0.4	0.39
Ra-226		0.62	0.47
Ac-227 (D)	*	0.01	0.16
Th-230	*	0	4.46
Th-232 (D)		0.12	0.08
Pu-238	*	2.48	7.5
Am-241	*	0.02	0.04

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A86/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10830
File ID: 1SC03920.s0
Priority: Yes

Description\Location
PRS 442 PV033
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.01	0.02
Pb-210		0.37	0.3
Ra-226	*	0.34	0.41
Ac-227 (D)	*	0.05	0.13
Th-230	*	2.28	3.21
Th-232 (D)		0.2	0.08
Pu-238	*	0	8.5
Am-241	*	0	0.04

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10831
File ID: 1SC03921.s0
Priority: Yes

Description\Location
PRS 442 PV034
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.05
Cs-137	*	0.03	0.06
Pb-210	*	0.34	0.66
Ra-226		1.01	0.66
Ac-227 (D)	*	0.09	0.31
Th-230	*	0.16	7.53
Th-232 (D)		0.86	0.2
Pu-238	*	0	13.36
Am-241	*	0.03	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A88/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10832
File ID: 1SC03922.s0
Priority: Yes

Description\Location
PRS 442 PV035
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.1
Cs-137	*	0	0.05
Pb-210		0.92	0.77
Ra-226		1.14	0.71
Ac-227 (D)	*	0.02	0.28
Th-230	*	3.91	7.68
Th-232 (D)		0.68	0.22
Pu-238	*	0	15.48
Am-241	*	0.01	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A89/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10877
File ID: 1SC03935.s0
Priority: Yes

Description\Location
PRS 442 PV036
Long Count

Collector: 5520
Date Received: 3/16/05
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.01	0.04
Pb-210		0.74	0.53
Ra-226		1.04	0.65
Ac-227 (D)	*	0	0.22
Th-230	*	3.58	5.59
Th-232 (D)		0.45	0.14
Pu-238	*	4.72	11.4
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A90/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10833
File ID: 1SC03923.s0
Priority: Yes

Description\Location
PRS 442 PV037
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0	0.06
Pb-210	*	0.71	0.74
Ra-226		1.4	0.79
Ac-227 (D)	*	0	0.35
Th-230	*	0	7.98
Th-232 (D)		0.98	0.21
Pu-238	*	2.44	13.33
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A91/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10834
File ID: 1SC03924.s0
Priority: Yes

Description\Location
PRS 442 PV038
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0	0.05
Pb-210	*	0.24	0.74
Ra-226		1.97	0.73
Ac-227 (D)	*	0.15	0.26
Th-230	*	0	7.56
Th-232 (D)		0.59	0.24
Pu-238	*	1.66	13.64
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A92/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10858
File ID: 2SC04592.s0
Priority: Yes

Description\Location
PRS 442 PV039
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.03
Cs-137	*	0.01	0.03
Pb-210		0.5	0.43
Ra-226	*	0.49	0.57
Ac-227 (D)	*	0.04	0.15
Th-230	*	0	4.77
Th-232 (D)		0.38	0.13
Pu-238	*	0.37	10
Am-241	*	0	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ DOT 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A93/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10859
File ID: 2SC04593.s0
Priority: Yes

Description\Location
PRS 442 PV040
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.02
Cs-137	*	0.01	0.02
Pb-210	*	0.01	0.29
Ra-226		0.4	0.39
Ac-227 (D)	*	0	0.13
Th-230	*	0.63	2.97
Th-232 (D)		0.11	0.08
Pu-238	*	0	7.49
Am-241	*	0	0.03

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A94/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10860
File ID: 2SC04594.s0
Priority: Yes

Description\Location
PRS 442 PV041
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.02	0.03
Pb-210		0.68	0.5
Ra-226		0.79	0.58
Ac-227 (D)	*	0.03	0.21
Th-230	*	1.83	5.38
Th-232 (D)		0.55	0.14
Pu-238	*	0	11.89
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A95/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10861
File ID: 2SC04595.s0
Priority: Yes

Description\Location
PRS 442 PV042
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		0.85	0.62
Ra-226		1.69	0.7
Ac-227 (D)	*	0	0.24
Th-230	*	1.01	7.23
Th-232 (D)		0.76	0.14
Pu-238	*	5.83	13.69
Am-241	*	0.01	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A96/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10862
File ID: 2SC04596.s0
Priority: Yes

Description\Location
PRS 442_PV043
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.03
Cs-137	*	0.01	0.02
Pb-210	*	0.29	0.32
Ra-226	*	0.16	0.49
Ac-227 (D)	*	0.05	0.14
Th-230	*	0.63	3.56
Th-232 (D)		0.17	0.08
Pu-238	*	1.19	9.63
Am-241	*	0	0.04

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A97/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10835
File ID: 2SC04577.s0
Priority: Yes

Description\Location
PRS 442 PV044
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137	*	0	0.03
Pb-210		0.32	0.3
Ra-226	*	0.37	0.45
Ac-227 (D)	*	0	0.15
Th-230	*	0	3.44
Th-232 (D)		0.12	0.01
Pu-238	*	0	9.7
Am-241	*	0.01	0.03

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10863
File ID: 2SC04597.s0
Priority: Yes

Description\Location
PRS 442 PV045
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.02	0.04
Pb-210		0.76	0.57
Ra-226		1.57	0.75
Ac-227 (D)	*	0	0.24
Th-230	*	1.29	6.67
Th-232 (D)		0.65	0.15
Pu-238	*	0	14.23
Am-241	*	0.03	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A99/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10864
File ID: 2SC04598.s0
Priority: Yes

Description\Location
PRS 442 PV046
Long Count

Collector: 5520
Date Received: 03/15/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137	*	0.01	0.03
Pb-210		1.13	0.62
Ra-226		2.25	0.74
Ac-227 (D)	*	0.01	0.23
Th-230	*	0	7.3
Th-232 (D)		0.53	0.21
Pu-238	*	0	15.31
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.03 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments: Ra-226 corrected for U-235 contibution per operation 5002 of MD-80030.

Date: 03/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A100/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10836
File ID: 2SC04578.s0
Priority: Yes

Description\Location
PRS 442 PV047
Long Count

Collector: 7787
Date Received: 03/15/06
Date Collected: 03/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.01	0.05
Pb-210		1.33	0.69
Ra-226		2.49	0.81
Ac-227 (D)	*	0	0.31
Th-230	*	0.91	7.66
Th-232 (D)		0.7	0.18
Pu-238	*	0.14	16.07
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A101/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10837
File ID: 2SC04579.s0
Priority: Yes

Description\Location
PRS 442 PV048
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137	*	0.01	0.02
Pb-210		0.69	0.37
Ra-226		1.31	0.48
Ac-227 (D)	*	0	0.17
Th-230	*	0.58	4.52
Th-232 (D)		0.29	0.11
Pu-238	*	0	10.37
Am-241	*	0	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A102/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10838
File ID: 2SC04580.s0
Priority: Yes

Description\Location
PRS 442 PV049
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137		0.03	0.03
Pb-210		0.77	0.48
Ra-226		1.22	0.66
Ac-227 (D)	*	0	0.2
Th-230	*	0.9	5.44
Th-232 (D)		0.35	0.16
Pu-238	*	0	11.56
Am-241	*	0.01	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A103/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10839
File ID: 2SC04581.s0
Priority: Yes

Description\Location
PRS 442 PV050
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137	*	0.01	0.03
Pb-210		0.65	0.52
Ra-226		1.67	0.64
Ac-227 (D)	*	0.04	0.19
Th-230	*	3.45	5.12
Th-232 (D)		0.38	0.09
Pu-238	*	0	13.27
Am-241	*	0.04	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A104/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10840
File ID: 2SC04582.s0
Priority: Yes

Description\Location
PRS 442 PV051
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.04
Cs-137	*	0.02	0.04
Pb-210		0.73	0.59
Ra-226		1.8	0.76
Ac-227 (D)	*	0.1	0.24
Th-230	*	3.13	6.56
Th-232 (D)		0.63	0.2
Pu-238	*	0	14.14
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A105/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10841
File ID: 2SC04583.s0
Priority: Yes

Description\Location
PRS 442 PV052
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137	*	0	0.06
Pb-210		0.71	0.58
Ra-226		1.47	0.73
Ac-227 (D)	*	0.01	0.23
Th-230	*	0	7.16
Th-232 (D)		0.49	0.17
Pu-238	*	7.59	14.79
Am-241	*	0.01	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A106/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10842
File ID: 2SC04584.s0
Priority: Yes

Description\Location
PRS 442 PV053
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0.03	0.04
Pb-210		0.71	0.61
Ra-226		0.96	0.76
Ac-227 (D)	*	0	0.26
Th-230	*	2.05	7.28
Th-232 (D)		0.97	0.16
Pu-238	*	0.83	14.26
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

4107/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10920
File ID: 1SC03952.s0
Priority: Yes

Description\Location
PRS 442 PV054
Long Count

Collector: 7787
Date Received: 03/15/06
Date Collected: 03/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.1
Cs-137		0.21	0.06
Pb-210		1.04	0.83
Ra-226		1.89	0.89
Ac-227 (D)	*	0.19	0.29
Th-230	*	6.79	8.87
Th-232 (D)		0.75	0.24
Pu-238	*	6.83	15.39
Am-241	*	0.04	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A108/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10843
File ID: 2SC04585.s0
Priority: Yes

Description\Location
PRS 442 PV055
Long Count

Collector: 7787
Date Received: 03/15/06
Date Collected:03/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137		0.04	0.04
Pb-210	*	0.54	0.56
Ra-226		1.4	0.58
Ac-227 (D)	*	0	0.23
Th-230	*	1.83	6.17
Th-232 (D)		0.33	0.16
Pu-238	*	0	13.62
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 03/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A109/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10844
File ID: 2SC04586.s0
Priority: Yes

Description\Location
PRS 442 PV056
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.05
Cs-137		0.04	0.04
Pb-210	*	0.42	0.55
Ra-226		1.39	0.67
Ac-227 (D)	*	0.13	0.21
Th-230	*	2.02	6.24
Th-232 (D)		0.8	0.13
Pu-238	*	0	13.58
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A110/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10845
File ID: 2SC04587.s0
Priority: Yes

Description\Location
PRS 442 PV057
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		1.04	0.48
Ra-226		1.76	0.64
Ac-227 (D)	*	0	0.23
Th-230	*	1.03	5.83
Th-232 (D)		0.28	0.14
Pu-238	*	0	12.15
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A111/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10846
File ID: 2SC04588.s0
Priority: Yes

Description\Location
PRS 442 PV058
Long Count

Collector: 7787
Date Received: 3/15/06
Date Collected: 3/14/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137		0.04	0.04
Pb-210	*	0.43	0.66
Ra-226		1.26	0.73
Ac-227 (D)	*	0.08	0.23
Th-230	*	0.43	7.29
Th-232 (D)		0.67	0.18
Pu-238	*	0.41	14.94
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Σ DOT 2nCi/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:

Date: 3/16/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A112/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10865
File ID: 2SC04599.s0
Priority: Yes

Description\Location
PRS 442 PV059
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.04
Cs-137	*	0	0.03
Pb-210	*	0.23	0.37
Ra-226		0.83	0.45
Ac-227 (D)	*	0	0.16
Th-230	*	0.48	3.79
Th-232 (D)		0.16	0.08
Pu-238	*	2.56	8.62
Am-241	*	0.01	0.04

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.01 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A113/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10866
File ID: 2SC04600.s0
Priority: Yes

Description\Location
PRS 442 PV060
Long Count

Collector: 5520
Date Received: 3/15/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.04
Cs-137		0.05	0.04
Pb-210		0.78	0.59
Ra-226		1.55	0.66
Ac-227 (D)	*	0.03	0.22
Th-230	*	3.31	6.17
Th-232 (D)		0.5	0.18
Pu-238	*	1.76	14.4
Am-241	*	0.05	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/17/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A114/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10879
File ID: 2SC04609.s0
Priority: Yes

Description\Location
PRS 66W PV003
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0.01	0.05
Pb-210		1.13	0.68
Ra-226		2.39	0.93
Ac-227 (D)	*	0.2	0.26
Th-230	*	4.28	7.7
Th-232 (D)		0.91	0.19
Pu-238	*	0.7	17.28
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A115/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10880
File ID: 2SC04610.s0
Priority: Yes

Description\Location
PRS 66W PV004
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0.02	0.04
Pb-210		0.86	0.54
Ra-226		1.71	0.72
Ac-227 (D)	*	0	0.23
Th-230	*	0	6.42
Th-232 (D)		0.38	0.19
Pu-238	*	3.64	14.29
Am-241	*	0.02	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A116/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10918
File ID: 1SC03958.s0
Priority: Yes

Description\Location
PRS 66W PV005
Long Count

Collector: 5520
Date Received: 3/18/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137	*	0	0.04
Pb-210	*	0.44	0.61
Ra-226		0.81	0.57
Ac-227 (D)	*	0	0.23
Th-230	*	2.72	6.08
Th-232 (D)		0.44	0.15
Pu-238	*	0	11.38
Am-241	*	0.01	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/20/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A117/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10919
File ID: 1SC03959.s0
Priority: Yes

Description\Location
PRS 66W PV006
Long Count

Collector: 5520
Date Received: 3/18/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		0.8	0.46
Ra-226	*	0.55	0.65
Ac-227 (D)	*	0.03	0.19
Th-230	*	1.41	5.28
Th-232 (D)		0.4	0.12
Pu-238	*	4.04	9.5
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/20/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A118/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10897
File ID: 2SC04614.s0
Priority: Yes

Description\Location
PRS 66W PV007
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.02	0.02
Cs-137	*	0.02	0.03
Pb-210		0.67	0.43
Ra-226		1.18	0.57
Ac-227 (D)	*	0.09	0.18
Th-230	*	1.28	5.03
Th-232 (D)		0.23	0.12
Pu-238	*	2.32	11.87
Am-241	*	0.02	0.05

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A119/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10881
File ID: 2SC04611.s0
Priority: Yes

Description\Location
PRS 66W PV008
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137		0.16	0.06
Pb-210		1.47	0.85
Ra-226		1.85	0.88
Ac-227 (D)	*	0	0.33
Th-230	*	0	9.09
Th-232 (D)		0.82	0.26
Pu-238	*	0	20.18
Am-241	*	0.03	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A120/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10882
File ID: 2SC04612.s0
Priority: Yes

Description\Location
PRS 66W PV009
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137		0.06	0.05
Pb-210		0.8	0.74
Ra-226		1.83	0.83
Ac-227 (D)	*	0	0.32
Th-230	*	0	8.44
Th-232 (D)		0.97	0.17
Pu-238	*	1.45	17.6
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A121/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10898
File ID: 2SC04615.s0
Priority: Yes

Description\Location
PRS 66W PV010
Long Count

Collector: 5520
Date Received: 03/17/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0.01	0.05
Pb-210		1.14	0.73
Ra-226		1.95	0.82
Ac-227 (D)	*	0	0.31
Th-230	*	2.27	8.44
Th-232 (D)		0.83	0.2
Pu-238	*	2.46	19.46
Am-241	*	0.02	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ DOT 2nCi/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

Comments: Ra-226 stripped of U-235 contribution per client request.

Date: 03/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A122/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10899
File ID: 2SC04616.s0
Priority: Yes

Description\Location
PRS 66W PV011
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.03	0.04
Cs-137	*	0	0.04
Pb-210		1.2	0.57
Ra-226		2.31	0.73
Ac-227 (D)	*	0.05	0.24
Th-230	*	1.14	6.84
Th-232 (D)		0.53	0.18
Pu-238	*	0	15.81
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.03 nCi/g

Instrument type: High Purity Germanium

$\sum$ DOT 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A123/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10900
File ID: 2SC04617.s0
Priority: Yes

Description\Location
PRS 66W PV012
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.01	0.04
Pb-210		0.65	0.62
Ra-226		2.44	0.8
Ac-227 (D)	*	0.05	0.28
Th-230	*	0	6.78
Th-232 (D)		0.57	0.12
Pu-238	*	11.35	17.49
Am-241	*	0.03	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A124/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10883
File ID: 2SC04613.s0
Priority: Yes

Description\Location
PRS 66W PV013
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137		0.05	0.04
Pb-210		0.66	0.54
Ra-226		1.15	0.68
Ac-227 (D)	*	0	0.21
Th-230	*	2.93	5.9
Th-232 (D)		0.48	0.17
Pu-238	*	0	13.73
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A125/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10884
File ID: 1SC03937.s0
Priority: Yes

Description\Location
PRS 66W PV014
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.11
Cs-137	*	0.01	0.06
Pb-210	*	0.55	0.82
Ra-226		1.23	0.86
Ac-227 (D)	*	0	0.32
Th-230	*	0	8.56
Th-232 (D)		0.87	0.17
Pu-238		15.29	14.89
Am-241		0.09	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A126/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10885
File ID: 1SC03939.s0
Priority: Yes

Description\Location
PRS 66W PV015
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.08
Cs-137	*	0	0.08
Pb-210		0.98	0.94
Ra-226		2	1.04
Ac-227 (D)	*	0	0.36
Th-230	*	0.8	9.63
Th-232 (D)		0.97	0.25
Pu-238	*	0	18.12
Am-241	*	0	0.12

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A127/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10901
File ID: 2SC04618.s0
Priority: Yes

Description\Location
PRS 66W PV016
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0.01	0.04
Pb-210		0.64	0.49
Ra-226		0.79	0.64
Ac-227 (D)	*	0	0.22
Th-230	*	4.45	5.61
Th-232 (D)		0.65	0.16
Pu-238	*	0.6	13.12
Am-241	*	0	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum$ DOT 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A128/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10902
File ID: 2SC04619.s0
Priority: Yes

Description\Location
PRS 66W PV017
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0	0.06
Pb-210	*	0.38	0.73
Ra-226		1.8	0.88
Ac-227 (D)	*	0	0.31
Th-230	*	0.82	8.06
Th-232 (D)		0.83	0.18
Pu-238	*	0	18.1
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A129/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10903
File ID: 2SC04620.s0
Priority: Yes

Description\Location
PRS 66W PV018
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0.03	0.04
Pb-210		0.72	0.58
Ra-226		1.19	0.76
Ac-227 (D)	*	0	0.28
Th-230	*	1.8	6.63
Th-232 (D)		0.42	0.21
Pu-238	*	0	14.46
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A130/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10886
File ID: 1SC03940.s0
Priority: Yes

Description\Location
PRS 66W PV019
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.07
Cs-137	*	0	0.06
Pb-210	*	0.39	0.72
Ra-226		1.25	0.78
Ac-227 (D)	*	0	0.29
Th-230	*	4.4	7.48
Th-232 (D)		0.57	0.22
Pu-238	*	10.4	14.45
Am-241	*	0.04	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A131/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10887
File ID: 1SC03941.s0
Priority: Yes

Description\Location
PRS 66W PV020
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.04
Cs-137	*	0	0.05
Pb-210	*	0.49	0.56
Ra-226		0.76	0.67
Ac-227 (D)	*	0.04	0.2
Th-230	*	1.56	5.78
Th-232 (D)		0.37	0.18
Pu-238	*	0.79	11.2
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A132/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10888
File ID: 1SC03942.s0
Priority: Yes

Description\Location
PRS 66W PV021
Long Count

Collector: 5520
Date Received: 03/17/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.09
Cs-137	*	0.04	0.06
Pb-210	*	0.3	0.8
Ra-226		1.76	0.76
Ac-227 (D)	*	0.07	0.27
Th-230	*	0.08	7.84
Th-232 (D)		0.52	0.23
Pu-238	*	9.34	13.79
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A133/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10889
File ID: 1SC03943.s0
Priority: Yes

Description\Location
PRS 66W PV022
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0.02	0.05
Pb-210	*	0.49	0.64
Ra-226		0.87	0.78
Ac-227 (D)	*	0.13	0.22
Th-230	*	3.68	6.83
Th-232 (D)		0.61	0.17
Pu-238	*	0	12.17
Am-241	*	0.01	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.02 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A134/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL11257
File ID: 2SC04780.s0
Priority: Yes

Description\Location
PRS 66W-023A-PV
Long Count

Collector: 7787
Date Received: 04/03/06
Date Collected: 04/03/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.05
Cs-137	*	0.02	0.04
Pb-210	*	0.29	0.55
Ra-226		0.73	0.66
Ac-227 (D)	*	0	0.21
Th-230	*	0	6.12
Th-232 (D)		0.44	0.17
Pu-238		27.53	14.79
Am-241		0.82	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.04 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 04/03/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A135/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10890
File ID: 1SC03944.s0
Priority: Yes

Description\Location
PRS 66W PV024
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0	0.06
Pb-210	*	0.03	0.74
Ra-226		1.48	0.75
Ac-227 (D)	*	0.17	0.22
Th-230	*	1.14	7.43
Th-232 (D)		0.66	0.17
Pu-238	*	2.92	13.72
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A136/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10905
File ID: 2SC04622.s0
Priority: Yes

Description\Location
PRS 66W PV025
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.06
Cs-137	*	0	0.06
Pb-210	*	0.46	0.6
Ra-226		1.21	0.73
Ac-227 (D)	*	0.07	0.24
Th-230	*	0.58	6.79
Th-232 (D)		0.56	0.2
Pu-238	*	0	16.13
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A137/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10906
File ID: 2SC04623.s0
Priority: Yes

Description\Location
PRS 66W PV026
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.01	0.04
Pb-210	*	0.28	0.63
Ra-226		1.07	0.68
Ac-227 (D)	*	0	0.24
Th-230	*	0	6.43
Th-232 (D)		0.42	0.2
Pu-238	*	0.88	14.37
Am-241	*	0.01	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A138/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10907
File ID: 2SC04624.s0
Priority: Yes

Description\Location
PRS 66W PV027
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137	*	0	0.04
Pb-210		0.93	0.55
Ra-226		1.58	0.67
Ac-227 (D)	*	0	0.23
Th-230	*	0	6.9
Th-232 (D)		0.49	0.19
Pu-238	*	3.19	13.37
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A139/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10908
File ID: 2SC04625.s0
Priority: Yes

Description\Location
PRS 66W PV028
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.03
Cs-137	*	0.03	0.04
Pb-210	*	0.31	0.54
Ra-226		0.71	0.65
Ac-227 (D)	*	0.06	0.19
Th-230	*	0	5.62
Th-232 (D)		0.24	0.16
Pu-238	*	0	13.21
Am-241	*	0.01	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A140/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10909
File ID: 2SC04626.s0
Priority: Yes

Description\Location
PRS66 W PV029
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.05
Cs-137	*	0.01	0.04
Pb-210		0.77	0.51
Ra-226		0.89	0.67
Ac-227 (D)	*	0	0.24
Th-230	*	2.04	6.05
Th-232 (D)		0.59	0.16
Pu-238	*	0	13.58
Am-241	*	0.01	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A141/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10910
File ID: 2SC04627.s0
Priority: Yes

Description\Location
PRS66 W PV030
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.01	0.05
Pb-210		1.08	0.67
Ra-226		1.32	0.73
Ac-227 (D)	*	0	0.27
Th-230	*	3.25	7.23
Th-232 (D)		0.48	0.21
Pu-238	*	4.77	15.9
Am-241	*	0.05	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ DOT 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A142/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10911
File ID: 2SC04628.s0
Priority: Yes

Description\Location
PRS66 W PV031
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.03	0.02
Cs-137		0.05	0.04
Pb-210		0.77	0.49
Ra-226		1.54	0.74
Ac-227 (D)	*	0	0.22
Th-230	*	2.12	6.02
Th-232 (D)		0.64	0.14
Pu-238	*	6.29	12.1
Am-241	*	0.03	0.06

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A143/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10912
File ID: 2SC04629.s0
Priority: Yes

Description\Location
PRS66 W PV032
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.05	0.05
Cs-137	*	0	0.06
Pb-210		1.29	0.73
Ra-226		1.79	0.94
Ac-227 (D)	*	0.15	0.26
Th-230	*	0.28	8.39
Th-232 (D)		0.93	0.15
Pu-238	*	0	18.92
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A144/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10892
File ID: 1SC03946.s0
Priority: Yes

Description\Location
PRS 66W PV033
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.11
Cs-137	*	0	0.08
Pb-210	*	0.78	0.81
Ra-226		1.22	0.77
Ac-227 (D)	*	0	0.32
Th-230	*	0.65	8.61
Th-232 (D)		0.77	0.22
Pu-238	*	2.52	15
Am-241	*	0.02	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.03 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A145/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10891
File ID: 1SC03945.s0
Priority: Yes

Description\Location
PRS 66W PV034
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.08
Cs-137	*	0.04	0.07
Pb-210	*	0.6	0.87
Ra-226		1.6	0.84
Ac-227 (D)	*	0	0.31
Th-230	*	0.31	8.44
Th-232 (D)		0.58	0.27
Pu-238	*	2.03	15.51
Am-241	*	0	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

$\sum_{DOT}$ 0.03 nCi/g

Instrument type: High Purity Germanium

$\sum_{DOT}$ 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A146/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10913
File ID: 2SC04630.s0
Priority: Yes

Description\Location
PRS66 W PV035
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.06
Cs-137		0.04	0.04
Pb-210		0.75	0.61
Ra-226		1.89	0.63
Ac-227 (D)	*	0	0.24
Th-230	*	2.37	6.82
Th-232 (D)		0.49	0.17
Pu-238	*	3.25	16.05
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A147/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10914
File ID: 2SC04631.s0
Priority: Yes

Description\Location
PRS66 W PV036
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.04	0.06
Pb-210	*	0.58	0.72
Ra-226		2.32	0.79
Ac-227 (D)	*	0	0.26
Th-230	*	2.08	7.37
Th-232 (D)		0.64	0.23
Pu-238	*	1.49	16.15
Am-241	*	0	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A148/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10915
File ID: 2SC04632.s0
Priority: Yes

Description\Location
PRS66 W PV037
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60		0.04	0.03
Cs-137	*	0	0.06
Pb-210		1.06	0.66
Ra-226		1.96	0.77
Ac-227 (D)	*	0	0.28
Th-230	*	0	7.64
Th-232 (D)		0.69	0.21
Pu-238	*	0	16
Am-241	*	0.01	0.07

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A149/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10916
File ID: 1SC03956.s0
Priority: Yes

Description\Location
PRS 66W PV038
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0	0.07
Cs-137	*	0.02	0.05
Pb-210		1.09	0.81
Ra-226		1.94	0.89
Ac-227 (D)	*	0.19	0.26
Th-230	*	2.45	8.61
Th-232 (D)		0.68	0.27
Pu-238	*	0	16.93
Am-241	*	0.03	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/20/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A150/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10917
File ID: 1SC03957.s0
Priority: Yes

Description\Location
PRS 66W PV039
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/17/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.07
Cs-137	*	0	0.05
Pb-210		1.13	0.66
Ra-226		1.6	0.78
Ac-227 (D)	*	0.07	0.25
Th-230	*	0.93	7.47
Th-232 (D)		0.65	0.19
Pu-238	*	0	13.51
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/20/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A151/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10893
File ID: 1SC03947.s0
Priority: Yes

Description\Location
PRS 66W PV040
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.06
Cs-137	*	0.02	0.07
Pb-210		0.89	0.79
Ra-226		1.61	0.83
Ac-227 (D)	*	0.16	0.27
Th-230	*	3.09	8.27
Th-232 (D)		0.68	0.25
Pu-238	*	0	16.16
Am-241	*	0	0.1

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A152/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10894
File ID: 1SC03948.s0
Priority: Yes

Description\Location
PRS 66W PV041
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.03	0.06
Cs-137		0.06	0.04
Pb-210	*	0.59	0.7
Ra-226		1.4	0.8
Ac-227 (D)	*	0.05	0.25
Th-230	*	0	7.83
Th-232 (D)		0.3	0.28
Pu-238	*	7.67	12.09
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A153/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10895
File ID: 1SC03949.s0
Priority: Yes

Description\Location
PRS 66W PV042
Long Count

Collector: 5520
Date Received: 3/17/06
Date Collected: 3/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.02	0.04
Cs-137		0.04	0.04
Pb-210	*	0.33	0.69
Ra-226		1.33	0.7
Ac-227 (D)	*	0.07	0.22
Th-230	*	0	6.79
Th-232 (D)		0.57	0.14
Pu-238	*	0	12.5
Am-241	*	0	0.08

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.02 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 3/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A154/192

SOIL ANALYSIS REPORT

Field Sample ID:
Lab Sample ID: GL10896
File ID: 1SC03950.s0
Priority: Yes

Description\Location
PRS 66W PV043
Long Count

Collector: 5520
Date Received: 03/17/06
Date Collected: 03/15/06

Radionuclide		Activity (pCi/g)	MDA
Co-60	*	0.01	0.07
Cs-137	*	0.03	0.05
Pb-210		0.68	0.68
Ra-226		1.82	0.71
Ac-227 (D)	*	0	0.29
Th-230	*	0	8.14
Th-232 (D)		0.45	0.26
Pu-238	*	6.28	13.68
Am-241	*	0.03	0.09

Other Nuclides

Radionuclide	Activity (pCi/g)	MDA

Σ_{DOT} 0.03 nCi/g

Instrument type: High Purity Germanium

Σ_{DOT} 2nCi/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

Comments:

Date: 03/18/06 Counted By: 5288 Analyzed By: 5288 Initials [redacted]

A155/192

APPENDIX D

WALKOVER SURVEYS

- PRS 442
- 66 West

A156/192

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) PRS 442 @ Bld 61	SURVEY NO. 06-ER-362
PURPOSE: Summary of Daily FIDLER surveys during/after excavation of contaminated spoils in PRS 442	RWP NO. N/A
	DATE: 5-23-06
	TIME: 0930 hrs

The FIDLER is used as an indicator only

N/A = not applicable N/D = Non detectable

MAP/DRAWING

This is a summary report of FIDLER readings taken during and following daily field excavation activities at PRS 442 and represents the as-left surfaces prior to verification sampling for the phases / areas shown on Figures 1 and includes the limits of verification. This report only applies to the areas indicated on the figure 1.

100% walkover of all surfaces within verification limits and slopeback areas occurred as a matter of course throughout the excavation process. Walkovers entailed surveying in overlapping rows as per the VSAP

FIDLER readings on all surfaces were at background levels for channel out and channel one

COPY

LEGEND:

= mrem/hr (γ) whole body

E = mrem/hr (β+n+γ) extremity on contact

△# = mrem/hr neutron

[#] = air sample number

(#) = swipe number

(# /α) or /β = direct contamination measurement in dpm/100cm2

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
	N/A	

[redacted]

HP# 5520	Date: 5-23-06
HP#	Date:
N/A	
HP# 5416	Date: 5-23-06

[redacted]

ML-9620 (2/98)

PRS 1/192

06-ER-362

P 2 OF 2
RIM

PRS 442 Sampling Locations

COPY

Figure 1

A158/192

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) PRS 66 West	SURVEY NO. 06-ER-361
PURPOSE: Summary of Daily FIDLER surveys during/after excavation of contaminated spoils in PRS66W	RWP NO. N/A
	DATE: 5-23-06
	TIME: 0700 hrs

The FIDLER is used as an indicator only

N/A = not applicable N/D = Non detectable

MAP/DRAWING

This is a summary report of FIDLER readings taken during and following daily field excavation activities at PRS 66 West and represents the as-left surfaces prior to verification sampling for the phases / areas shown on Figures 1 and includes the limits of verification. This report only applies to the areas indicated on the figure 1.

100% walkover of all surfaces within verification limits and slopeback areas occurred as a matter of course throughout the excavation process. Walkovers entailed surveying in overlapping rows as per the VSAP

FIDLER readings on all surfaces were at background levels for channel out and channel one

COPY

LEGEND:

= mrem/hr (γ) whole body

E = mrem/hr (β+n+γ) extremity on contact

△# = mrem/hr neutron

[#] = air sample number

(#) = swipe number

(# /α) or /β = direct contamination measurement in dpm/100cm2

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
	N/A	

[redacted]	HP# 5520	Date: 5-23-06
	HP#	Date:
	N/A	
	5416	Date: 5-23-06

ML-9620 (2/98)

A154/192

06-ER-361
p 2 of 2
RIM

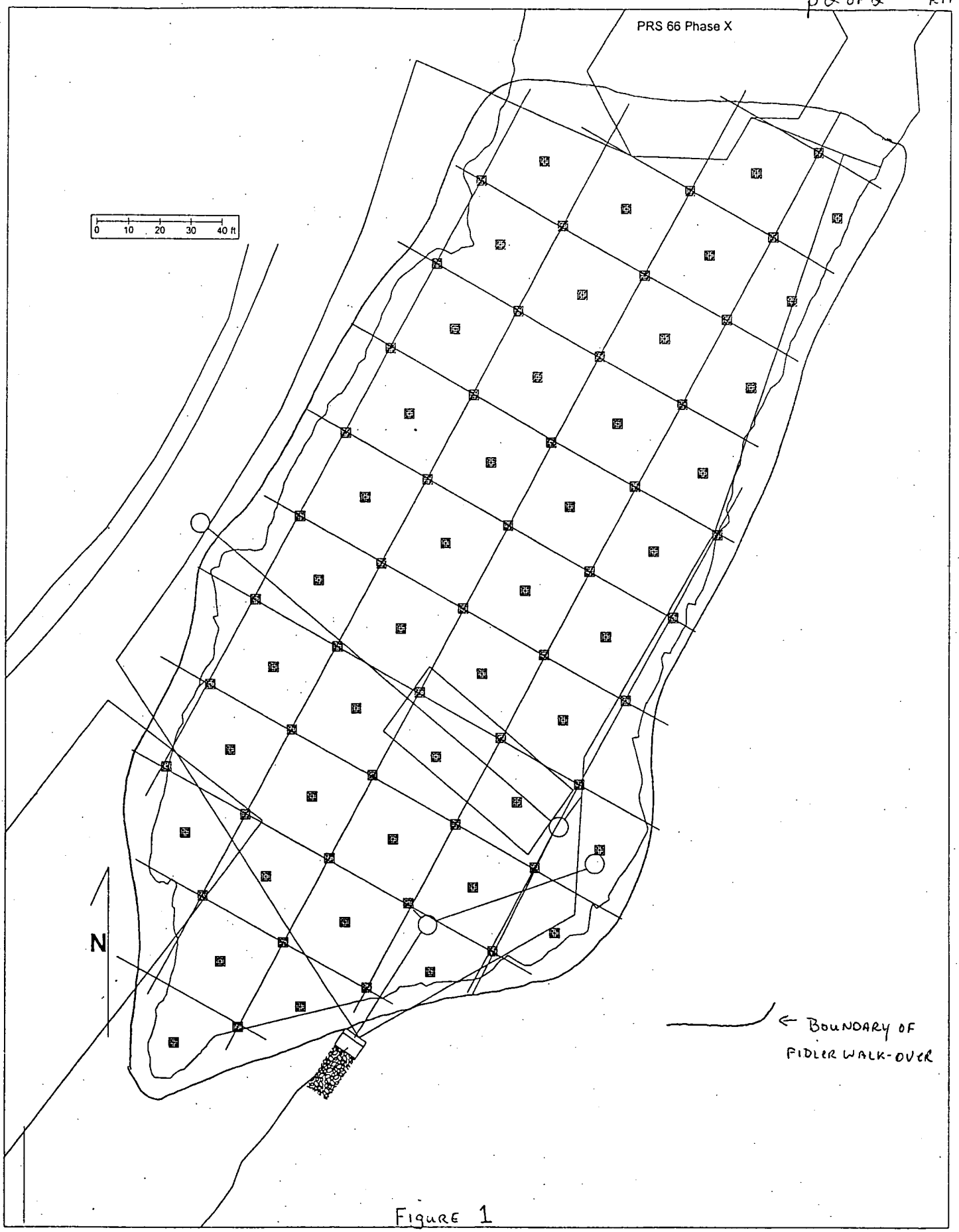

FIGURE 1

COPY

A160/192

APPENDIX E

DATA REVIEW & VALIDATION

- PRS 442
- 66 West

PRS 442 R&V Report

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Acronyms and Abbreviations

DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
MDA	minimum detectable activity
MDC	minimum detectable concentration
MEIMS	Mound Environmental Information Management System
MS	matrix spike
MS/MSD	matrix spike/matrix spike duplicate
pCi/g	picoCurie/gram
PRS	potential release site
RPD	relative percent difference
SOW	Statement of Work
USEPA	United States Environmental Protection Agency
VSAP	Verification Sampling and Analysis Plan

1.0 Introduction

1.1 Introduction

This data assessment report has been prepared to describe the data quality for Potential Release Site (PRS) 442 Verification data. Data assessment encompasses two types of quality control reviews on the data: data review and data validation. Data review involves a review of the basic quality control data included in the laboratory data package, e.g., laboratory blanks, surrogate recoveries, matrix spike recoveries, and field duplicates. Data validation is a detailed review of the laboratory data packages that includes all of the data review elements plus verification of such things as proper instrument calibration, instrument calibration validity during sample analysis, identification of target analytes, and proper treatment and quantification of the data. Data validation was performed on 10% of the samples. The results of the data validation are assessed to identify whether any systemic problems are apparent.

2.0 Field Work Quality Assurance

2.1 Work Plan Compliance

Work was performed in general compliance with the PRS 442 Sample Specification Map, submitted by e-mail on 9 March 2006 to Weston, and the Mound Method Compendium. The following exceptions to the work plan compliance occurred during the field sampling events.

Table 1 — List of Variances

Variance	Description
1	**Field Sampling — April 2006** During sample collection at PRS 442 and PRS 66W, samples were collected using sequential numbers and were expected to be reported together. Prior to shipping the samples to the laboratory, CH2M Hill requested that the PRS 66W and PRS 442 data be reported separately and that the sample nomenclature for PRS 66W change from 0000xx to 1000xx. The change was documented in a plan change. The change had no direct effect on the PRS 442 data.

Table 1 — List of Variances	
Variance	Description
2	**Field Sampling — April 2006** CH2M Hill requested that Weston re-collect two samples in duplicate at locations: 068 and 096. The samples were re-collected on 13 April and submitted for analysis.
3	**Laboratory Analysis — April 2006** The original sampling map did not indicate isotopic uranium as a target analysis. On 25 April 2006, CH2M Hill requested that Weston contact the laboratory and request that all PRS 442 samples be analyzed for isotopic uranium within three days. The samples were analyzed for isotopic uranium and the results were electronically reported on 28 April 2006.

2.2 Field Quality Control Frequency — Verification Sampling

The field sampling team is responsible for introducing or specifying field quality control samples, e.g. field rinsates, field duplicates, matrix spike/matrix spike duplicates, and trip blanks. The field quality control frequencies required for PRS 442 are as follows:

- Field rinsates will be collected at a frequency of one per day, if required.

  Dedicated sampling equipment was used for the collection of the soil samples and no field rinsates were required.

- Field duplicates will be collected at a frequency of one per 10 samples.

- Matrix spike/matrix spike duplicates will be collected at a frequency of one per 20 samples.

The samples for this project were collected on 22 March and 23 March 2006, and then two locations were re-sampled on 13 April. The following table lists number of samples collected and the number of quality control samples collected. As shown in the table, the minimum requirements were met or exceeded for the required quality control frequencies.

Table 2 — Sampling Event Quality Control Sample Frequency

Analysis	Number of Samples	Field Rinsates	Field Duplicates	Matrix Spikes	Trip Blanks
Isotopic Thorium	65	NA	8	4	NA
Isotopic Uranium	65	NA	8	4	NA
Isotopic Plutonium	65	NA	8	4	NA
Gamma Spectrometry	65	NA	8	4	NA

Note: Table includes two sample location re-sampled in duplicate on 13 April.

3.0 Data Review and Data Validation

3.1 Data Review

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following qualifications were used to indicate data quality problems identified during the data review process. The qualifications are essentially the same as those used for data validation.

Table 3 — Data Review Qualifications

Qualification	Description
J	The associated positive sample result is estimated.
NJ	The associated sample result is presumptively present and estimated.
J/UJ	The associated positive and not-detected sample results are qualified estimated.
R	The associated sample result is rejected and unusable.
U	The associated sample result is qualified not detected.
UJ	The associated not-detected sample result is qualified estimated.

3.1.1 Radiological Analysis

The field team submitted samples for isotopic thorium, isotopic uranium, isotopic plutonium, and gamma spectrometry analysis. The following table shows the number of samples submitted for analysis at Severn Trent Laboratories — St. Louis.

Table 4 — Radiological Sample Quantities

Analysis	Number of Samples
Isotopic Thorium	65
Isotopic Uranium	65
Isotopic Plutonium	65
Gamma Spectrometry	65

Data review elements including yields, matrix spikes, laboratory blanks, laboratory duplicates, field rinsates, and field duplicates are evaluated in the following subsections.

3.1.1.1 Yields

Yields were determined for isotopic thorium, isotopic uranium and isotopic plutonium analyses and are used to assess and adjust for analytical inefficiencies that occur during sample preparation and analysis. The thorium yields ranged from 34% in sample 000059 to 104% in sample 000013 with an average recovery of 84%. The uranium yields ranged from 40% in sample 000003 to 104% in sample 000051 with an average recovery of 92%. The plutonium yields ranged from 59% in sample 000052 to 106% in sample 000065 with an average recovery of 91%. These recoveries were all within the acceptance range of 20 – 120%.

3.1.1.2 Matrix Spikes

Matrix spikes are prepared to verify that the sample matrix is not interfering with the accurate and precise determination of target parameters. Four matrix spike samples were specified by the field team: 000016, 000036, 00056, and 000068. The following table lists by spike compound the number of spikes, the lowest recovery, the highest recovery, and the average.

Table 5 — Radiological Matrix Spike Results

Sample	No. of Spikes	Low Recovery (%)	High Recovery (%)	Average (%)
Plutonium-238	4	85	96	92
Plutonium-239	4	79	105	94
Thorium-230	4	76	116	102
Uranium-234	4	88	127	98
Uranium-238	4	95	124	109

For the purposes of data review, matrix spike recoveries are compared to a limit of 80 – 120%. For plutonium, one recovery for plutonium-239 was slightly below the acceptance range. Because only one spike recovery for plutonium was below the acceptance range and the average was well within the acceptance range, no qualifications were applied to the data based on plutonium recoveries. For thorium, one recovery for thorium-230 was

slightly below the acceptance range. Because only one spike recovery for thorium was below the acceptance range and the average was well within the acceptance limits, no qualifications were applied to the data based on the thorium recoveries. One uranium matrix spike/matrix spike duplicate (MS/MSD) was reported with results above the acceptance limits for uranium-234 and uranium-238. Because all of the uranium results were less than the cleanup goal, the higher than normal spike recovery does not impact the usability of the data. No systemic issues were identified in the matrix spike/matrix spike duplicate data and no qualifications were applied on the basis of matrix spike results.

3.1.1.3 Laboratory Blanks

Laboratory blanks are used to verify that laboratory handling and analytical techniques are not contaminating samples with target parameters. Four laboratory blanks were introduced during the isotopic plutonium analyses. Plutonium-239 was detected at 0.0104 pCi/g in blank F6D030000-083B. The detection is just above the MDC of 0.009 pCi/g. The low-level detection does not impact the usability of the data and no qualification was assigned to the data.

Five laboratory blanks were introduced during the isotopic thorium analyses. Thorium-230 was detected in all five blanks at 0.02 to 0.04 pCi/g. These activities were approximately two times larger than the minimum detectable concentrations (MDCs). Based on the frequency of detection, thorium-230 may be a low-level systemic contaminant. Because the detected activities are very low relative to the cleanup goal (2.8 pCi/g) and no thorium-230 activities in the final cleanup samples exceeded the site cleanup objective, no qualifications were assigned to the data.

Four laboratory blanks were introduced during the isotopic uranium analysis. Uranium-234 was detected in blank F6D250000-244B at 0.014 pCi/g. The detected activity was just above the MDC of 0.013 pCi/g. Because the detected activity is very low relative to the cleanup objective and no uranium-234 activities in the final cleanup samples exceeded the site cleanup objective, no qualifications were assigned to the data.

3.1.1.4 Laboratory Duplicates

Laboratory duplicates are used to assess the sample analysis precision. The following table lists the analysis, the number of samples submitted and the number of laboratory duplicate analyses. For the isotopic analyses, Method A-012, the laboratory must analyze either a matrix spike and replicate (laboratory duplicate) or a matrix spike/matrix spike duplicate. Matrix spike/matrix spike duplicate analyses were performed for the isotopic analyses, thus the lack of laboratory duplicates for these analyses does not impact the data quality.

Table 6 — Laboratory Duplicate Quantities

Analysis	Number of Samples	Number of Lab Duplicates
Gamma Spectrometry	65	5

The laboratory duplicate samples were evaluated by calculating the relative percent differences. Relative percent differences were not calculated for duplicate pairs where both results were not detected or less than 2x the MDA. If one result was greater than 2x the MDA and the other result was not detected, a 200% relative percent difference was used. If one result was greater than 2x the MDA and the other result was detected at less than 2x the MDA, the RPD was calculated. After calculating the relative percent differences, an average of relative percent differences for each analyte was calculated.

Samples 000016, 000047, 000056, 000068, and 000071 were analyzed in replicate by gamma spectrometry. The target isotope for this analysis was radium-226. The laboratory also reported the standard Mound list and suspected detections. For assessing precision, only Radium-226 was evaluated. All radium-226 detections in the duplicates were "J" qualified by the laboratory because the results were less than the required reporting limit. The calculated RPDs were less than 10% except for replicate pair 000016 at 34%. The systemic precision was judged acceptable without qualification of the data.

3.1.1.5 Field Rinsates

Field rinsates are introduced to determine whether field decontamination procedures and field handling procedures could be contaminating sample with target parameters. Dedicated equipment was used during this project and no field rinsates were needed.

3.1.1.6 Field Duplicates

Field duplicates are used to assess the sample collection and sample analysis precision. The following table lists the analysis, the number of samples submitted, and the number of field duplicates submitted.

Table 7 — Field Duplicate Quantities

Analysis	Number of Samples	Number of Field Duplicates
Isotopic Thorium	65	8
Isotopic Uranium	65	8
Isotopic Plutonium	65	8
Gamma Spectrometry	65	8

The field duplicate samples were evaluated by calculating the relative percent differences. Relative percent differences were not calculated for duplicate pairs where both results were not detected or less than 2x the MDA. If one result was greater than 2x the MDA and the other result was not detected, a 200% relative percent difference was used. If one result was greater than 2x the MDA and the other result was detected at less than 2x the MDA, the RPD was calculated. After calculating the relative percent differences, an average of relative percent differences for each analyte was calculated. Samples 000004/000005, 000013/000014, 000029/000030, 000042/000043, 000060/000061, 000069/000070, 000071/000072, and 000073/000074 were submitted as field duplicates. The results are shown in Table 8.

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Table 8 — Field Duplicate RPDs for Radioisotopes

Analyte	All Detections		
	Frequency of Detection	Average RPD (%)	Highest RPD (%)
Thorium-228	8	27 / 13	121
Thorium-230	8	13	32
Thorium-232	8	29 / 16	124
Uranium-234	8	14	44
Uranium-235	0	na	na
Uranium-238	8	14	25
Plutonium-238	8	33 /16	99
Plutonium-239	0	na	na
Radium-226	8	21	39

Note: The average RPD for thorium-228, thorium-232, and plutonium-238 is shown including and excluding an unusually high RPD. The high RPD seems to have biased the average.

There were three significant outliers identified during the review of field duplicates: thorium-228 and thorium-232 in field duplicate pair 000069/000070 and plutonium-238 in field duplicate pair 000004/000005. The precision measurements, expressed as RPDs, for these two samples were very poor. The average RPDs for these isotopes are shown with and without the outliers included in the average. The results for thorium-228 and thorium-232 should be treated as estimated (J) for pair 000069/000070 and the results are unusable. The thorium result for thorium-232 in sample 000069 exceeded the cleanup objective (2.1 pCi/g). CH2M Hill performed additional remediation of this sample location and requested Weston to re-collect a sample and replicate from this location. The precision for the second sample set 000071/000072 was acceptable.

While the plutonium-238 precision for sample pair 000004/000005 was not good (99%), the plutonium-238 results were far below the cleanup objective (55 pCi/g) and the increased imprecision does not impact the usability of this data. Based on the precision data, no systemic deficiencies are present and no data were qualified on the basis of the precision.

3.2 Data Validation

Data validation was subcontracted to TechLaw, Inc. The following table shows the number of samples submitted by analysis and the number of samples validated.

Table 9 — Data Validation Frequency Chart

Analysis	Number of Samples	Number of Samples Validated
Isotopic Thorium	65	7
Isotopic Uranium	65	7
Isotopic Plutonium	65	7
Gamma Spectrometry	65	7

The next table shows the specific samples that were submitted for data validation and which analyses were validated.

Table 10 — Validated Samples

Sample ID	Isotopic Plutonium	Isotopic Thorium	Isotopic Uranium	Gamma Spectrometry
000016	X	X	X	X
000024	X	X	X	X
000046	X	X	X	X
000050	X	X	X	X
000068	X	X	X	X
000073	X	X	X	X
000074	X	X	X	X

During data validation, four types of problems were identified:

- Proper ingrowth was not allowed for the radium-226 analysis.
- Laboratory blanks were reported with Th-230 contamination.
- Radium-226 results were reported based on a single keyline and were not confirmed on other radium-226 keylines.
- Actinium-227 results were reported based on a single keyline and were not confirmed on other actinium-227 keylines.

Each of the problems identified above is discussed in the following subsections and assessed for impact to the data usability. The qualified results are summarized at the end of this section in Table 11.

3.2.1 Ingrowth

When Radium-226 is being measured, it is typical to analyze the sample, allow a 21-day ingrowth period, and then re-analyze the sample. The ingrowth allows the scientist to account for activity resulting from daughter isotopes of radium-226. The PRS 442 samples were analyzed on a fast-turn basis and there was insufficient time to evaluate ingrowth resulting in a slightly low bias in the reported radium-226 results. Because of this inaccuracy, the validator marked the results estimated (J). The identified deficiency is systemic and, consequently, all sample results should be similarly treated estimated. The impact on the accuracy of the data was judged to not affect the usability of the data for comparison to the site cleanup objectives (2.9 pCi/g).

3.2.2 Thorium-230 Blank Contamination

Laboratory blanks are used to verify that laboratory handling and analytical techniques are not contaminating samples with target parameters. The result for sample 000068 was qualified estimated (J) due to thorium-230 blank contamination above 2x the MDC. The deficiency was noted as a systemic issue during data review. Because the thorium-230 results did not exceed the cleanup objective (2.8 pCi/g), the qualification does not impact the usability of the data.

3.2.3 Radium-226 Keyline Deficiencies

Keylines are used to identify gamma-emitting isotopes and to determine how much activity for a specific isotope is present in a sample. Some isotopes have more than one keyline that can be assessed by gamma spectrometry to confirm the isotopes presence and activity. The data validator remarked that radium-226 has three keylines. During data validation, the validator observed that radium-226 in samples 000016, 000046, 000073, and 000074 was reported when all three keyline energies were not present. The radium-226 results in these samples were qualified as presumptively present (N). The qualification means that radium-226 may not actually be present in the sample. Because all of the radium-226 results were less than the cleanup objective (2.9 pCi/g), a possible false positive does not impact the usability of the data.

3.2.4 Actinium-227 Keyline Deficiencies

Keylines are used to identify gamma-emitting isotopes and to determine how much activity for a specific isotope is present in a sample. Some isotopes have more than one keyline that can be assessed by gamma spectrometry to confirm the isotopes presence and activity. During data validation, the validator observed the laboratory had determined that actinium-227 was present at low activities in four of the validated samples and that the presence was not supported on all the actinium-227 energy keylines. The validator rejected (R) actinium-227 data for samples 000016, 000050, 000068, and 000073. The validator discussed the issue with the laboratory and determined that the laboratory policy for reporting actinium-227 was based on a single keyline. The issue is systemic. The impact cannot be assessed except by individual

assessment of each actinium-227 result. Because actinium-227 is not a target of concern for this specific verification event and no actinium-227 results exceeded the cleanup objective (4.6 pCi/g), the issue does not affect the usability of the data and no specific actions are required.

3.2.5 Data Qualifications Table

The following table lists the qualifications assigned during data validation.

Table 11 — Data Qualifications

Sample Id	Isotope	Reason for Qualification	Qual.
000016	Radium-226	Ingrowth Equilibration (Bi-214)	NJ (-)
000016	Actinium-227	Keyline	R
000024	Radium-226	Ingrowth Equilibration (Bi-214)	J (-)
000046	Radium-226	Ingrowth Equilibration (Bi-214)/Keyline	NJ (-)
000046	Thorium-230	Blank contamination	J (+)
000050	Radium-226	Ingrowth Equilibration (Bi-214)	J (-)
000050	Actinium-227	Keyline	R
000068	Thorium-230	Blank contamination	J (+)
000068	Radium-226	Ingrowth Equilibration (Bi-214)	J (-)
000068	Actinium-227	Keyline	R
000073	Radium-226	Ingrowth Equilibration (Bi-214)/Keyline	NJ (-)
000073	Actinium-227	Keyline	R
000074	Radium-226	Ingrowth Equilibration (Bi-214)/Keyline	NJ (-)

Codes:

J – Estimated

R – Rejected

NJ – Presumptively present, estimated

+/-

4.0 References

DOE (U.S. Department of Energy). 22 January 2002. *Methods Compendium.* Mound Plant, Miamisburg OH. Technical Manual MD-80045, Issue 2.

EPA (U.S. Environmental Protection Agency). July 1999. *Data Validation Standard Operating Procedures for Contract Laboratory Program Routine Analytical Services.* Region IV, Science and Ecosystem Support Division, Office of Quality Assurance, Athens GA. Revision 2.1.

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Acronyms and Abbreviations

DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
MDA	minimum detectable activity
MDC	minimum detectable concentration
MEIMS	Mound Environmental Information Management System
MS	matrix spike
pCi/g	picoCurie/gram
PRS	potential release site
RPD	relative percent difference
SOW	Statement of Work
USEPA	United States Environmental Protection Agency
VSAP	Verification Sampling and Analysis Plan

1.0 Introduction

1.1 Introduction

This data assessment report has been prepared to describe the data quality for Potential Release Site (PRS) 66 West (W) Verification data. Data assessment encompasses two types of quality control reviews on the data: data review and data validation. Data review involves a review of the basic quality control data included in the laboratory data package, e.g., laboratory blanks, surrogate recoveries, matrix spike recoveries, and field duplicates. Data validation is a detailed review of the laboratory data packages that includes all of the data review elements plus verification of such things as proper instrument calibration, instrument calibration validity during sample analysis, identification of target analytes, and proper treatment and quantification of the data. Data validation was performed on 10% of the samples. The results of the data validation are assessed to identify whether any systemic problems are apparent.

2.0 Field Work Quality Assurance

2.1 Work Plan Compliance

Work was generally performed in compliance with the PRS 66 Sample Specification Map submitted by e-mail on 9 March 2006 to Weston and the Mound Method Compendium. The following exceptions to the work plan compliance occurred during the field sampling events.

Table 1 — List of Variances

Variance	Description
1	**Field Sampling — April 2006** During sample collection, PRS 442 and PRS 66W were collected using sequential numbers and were expected to be reported together. Prior to shipping the samples to the laboratory, CH2M Hill requested that the PRS 66W and PRS 442 data be reported separately and that the sample nomenclature for PRS 66W change from 0000xx to 1000xx. The change was documented in plan change. As a result of this change, field notes and field logs do not match did not the chain-of-custody for these samples. The change has no impact on data quality.

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2.2 *Field Quality Control Frequency — Verification Sampling*

The field sampling team is responsible for introducing or specifying field quality control samples, e.g. field rinsates, field duplicates, matrix spike/matrix spike duplicates, and trip blanks. The results for the sampling event are discussed in this report. The field quality control frequencies required for PRS 66W are as follows:

- Field rinsates will be collected at a frequency of one per day, if required.

  Dedicated sampling equipment was used for the collection of the soil samples and no field rinsates were required.

- Field duplicates will be collected at a frequency of one per 10 samples

- Matrix spike/matrix spike duplicates will be collected at a frequency of one per 20 samples

The samples for this project were collected on 23 March 2006. The following table lists number of samples collected and the number of quality control samples collected. As shown in the table, the minimum requirements were met or exceeded for the required quality control frequencies.

Table 2 — Sampling Event Quality Control Sample Frequency

Analysis	Number of Samples	Field Rinsates	Field Duplicates	Matrix Spikes	Trip Blanks
Isotopic Thorium	43	NA	5	3	NA
Isotopic Plutonium	43	NA	5	3	NA
Gamma Spectrometry	43	NA	5	3	NA

3.0 Data Review and Data Validation

3.1 *Data Review*

The quality control data submitted with the analytical data packages were reviewed and assessed. The results of the assessment are presented in this section. The following

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qualifications were used to indicate data quality problems identified during the data review process. The qualifications are essentially the same as those used for data validation.

Table 3 — Data Review Qualifications

Qualification	Description
J	The associated positive sample result is estimated.
J/UJ	The associated positive and not-detected sample results are qualified estimated.
R	The associated sample result is rejected and unusable.
U	The associated sample result is qualified not detected.
UJ	The associated not-detected sample result is qualified estimated.

3.1.1 Radiological Analysis

The field team submitted samples for isotopic thorium analysis. The following table shows the number of samples submitted for analysis.

Table 4 — Radiological Sample Quantities

Analysis	Number of Samples (Dec.)
Isotopic Thorium	43
Isotopic Plutonium	43
Gamma Spectrometry	43

Data review elements including yields, matrix spikes, laboratory blanks, laboratory duplicates, field rinsates, and field duplicates and are evaluated in the following subsections.

3.1.1.1 Yields

Yields were determined for isotopic thorium and isotopic plutonium analyses by alpha spectrometry and are used to assess and adjust for analytical inefficiencies that occur during sample preparation and analysis. The thorium yields ranged from 33% in sample 100045 to 95% in sample 100030 with an average recovery of 79%. The plutonium yields ranged from 49% in sample 100033 (field duplicate) to 103% in sample 100019 with an average recovery of 92%. These recoveries were all within the acceptance range of 20 – 120%.

3.1.1.2 Matrix Spikes

Matrix spikes are prepared to verify that the sample matrix is not interfering with the accurate and precise determination of target parameters. Three matrix spike samples were specified by the field team: 100010, 100019, and 100047. The following table lists by spike compound the number of spikes, the lowest recovery, the highest recovery, and the average.

Table 5 — Radiological Matrix Spike Results

Sample	No. of Spikes	Low Recovery (%)	High Recovery (%)	Average (%)
Plutonium-238	3	83	108	92
Plutonium-239	3	89	104	93
Thorium-230	3	88	121	107

The plutonium-238 and plutonium-239 results were within 80 – 120%. These recoveries were judged acceptable. The thorium-230 spike recoveries were slightly above the screen assessment of 80 – 120% recovery. The average for the thorium-230 spikes was also greater than 100%. The spikes may indicate a very slight positive data bias. Because all data were reported less than the cleanup objective, the data were judged usable.

3.1.1.3 Laboratory Blanks

Laboratory blanks are used to verify that laboratory handling and procedures are not contaminating samples with target parameters. Three laboratory blanks were introduced during the isotopic plutonium analyses. Plutonium-239 was detected at 0.0057 pCi/g in blank F6D030000-215B. The detection is far below our cleanup action limit and just above the MDC of 0.003 pCi/g. The low level detection does not impact the usability of the data and no qualification was assigned to the data.

Four laboratory blanks were introduced during the isotopic thorium analyses. Thorium-230 was detected in blank F6D0500000-088B at 0.025 pCi/g. The MDC for thorium in this blank was 0.001 pCi/g. The detection is significant relative to the MDC, but still nearly 100 times below the cleanup goal. Because no samples were reported with

detections greater than the cleanup goal, no qualification was made on the basis of the blank results for thorium.

Three laboratory blanks were introduced during the gamma spectrometry analyses of the December samples. No target parameters were detected in any of the gamma spectrometry blanks.

3.1.1.4 Laboratory Duplicates

Laboratory duplicates are used to assess the sample analysis precision. The following table lists the analysis, the number of samples submitted and the number of laboratory duplicate analyses. For the isotopic analyses, Method A-012, the laboratory must analyze either a matrix spike and replicate (laboratory duplicate) or a matrix spike/matrix spike duplicate. Matrix spike/matrix spike duplicate analyses were performed for the isotopic analyses, thus the lack of laboratory duplicates for these analyses does not impact the data quality.

Table 6 — Laboratory Duplicate Quantities

Analysis	Number of Samples	Number of Lab Duplicates
Isotopic Thorium	43	1
Gamma Spectrometry	43	5

Note: The laboratory performed MS/MSD analysis on isotopic thorium, no duplicate analysis was required.

The laboratory duplicate samples were evaluated by calculating the relative percent differences. Relative percent differences were not calculated for duplicate pairs where both results were not detected or less than 2x the MDA. If one result was greater than 2x the MDA and the other result was not detected, a 200% relative percent difference was used. If one result was greater than 2x the MDA and the other result was detected at less than 2x the MDA, the RPD was calculated. After calculating the relative percent differences, an average of relative percent differences for each analyte was calculated.

Sample 100011 was analyzed in replicate by the laboratory for isotopic thorium. The relative percent differences for this replicate analysis were very good at less than 13%.

Because only one replicate was analyzed, it is not possible to use this information to make a systemic evaluation. No qualifications or usability impacts to the isotopic thorium data were made on the basis of the replicate results.

Samples 100010, 100019, 000036, and 100047 were analyzed in replicate by gamma spectrometry. The target isotope for this analysis was radium-226. The laboratory also reported the standard Mound list and suspected detections. For assessing precision, only radium-226 was evaluated. All radium-226 detections in the duplicates were "J" qualified by the laboratory. The calculated RPDs were less than 10%.

3.1.1.5 Field Rinsates

Field rinsates are introduced to determine whether field decontamination procedures and field handling procedures could be contaminating sample results with target parameters. Dedicated equipment was used during this project and no field rinsates were needed.

3.1.1.6 Field Duplicates

Field duplicates are used to assess the sample collection and sample analysis precision. The following table lists the analysis, the number of samples submitted, and the number of field duplicates submitted.

Table 7 — Field Duplicate Quantities

Analysis	Number of Samples	Number of Field Duplicates
Isotopic Thorium	43	5
Isotopic Plutonium	43	5
Gamma Spectrometry	43	5

The field duplicate samples were evaluated by calculating the relative percent differences. Relative percent differences were not calculated for duplicate pairs where both results were not detected or less than 2x the MDA. If one result was greater than 2x the MDA and the other result was not detected, a 200% relative percent difference was used. If one result was greater than 2x the MDA and the other result was detected at less than 2x the MDA, the RPD was calculated. After calculating the relative percent

differences, an average of relative percent differences for each analyte was calculated. Samples 100004/100005, 100016/100017, 100032/100033, 100042/100043, and 100051/100052, were submitted as field duplicates. The results are shown in Table 8.

Table 8 — Field Duplicate RPDs for Radioisotopes

Analyte	All Detections		
	Frequency of Detection	Average RPD (%)	Highest RPD
Thorium-228	5	11.6	25.5
Thorium-230	5	10.2	21.4
Thorium-232	5	4.7	10.1
Plutonium-238	5	26.4	44.9
Radium-226	5	17.8	26.6

The average relative percent differences were all less than 50%, the precision goal for soil. The plutonium-238 precision at 44.9% occurred for sample pair 100016/100017. The results in these samples were between 1 and 2 pCi/g and indicate a potential issue with the sample homogeneity. Because the plutonium-238 data were all below the cleanup goal and the relative percent difference was less than 50%, no data qualification was applied and the data were judged usable.

3.2 Data Validation

Data validation was subcontracted to TechLaw, Inc. The following table shows the number of samples submitted by analysis and the number of samples validated.

Table 9 — Data Validation Frequency Chart

Analysis	Number of Samples	Number of Samples Validated
Isotopic Thorium	43	5
Isotopic Plutonium	43	5
Gamma Spectrometry	43	5

The next table shows the specific samples that were submitted for data validation and which analyses were validated.

Table 10 — Validated Samples

Sample ID	Isotopic Plutonium	Isotopic Thorium	Gamma Spectrometry
100019	X	X	X
100001	X	X	X
100004	X	X	X
100032	X	X	X
100033	X	X	X

During data validation, two types of problems were identified:

- Proper ingrowth was not provided for the radium-226 analysis
- Actinium-227 was reported based on a single keyline and was not confirmed on other keylines.

Each of the problems identified above are discussed in the following subsections and assessed for impact to the data usability. The qualified results are summarized at the end of this section in Table 11.

3.2.1 Ingrowth

When radium-226 is being measured it is typical to analyze the sample, allow a 21-day ingrowth period, and then re-analyze the sample. The ingrowth allows the scientist to account for activity resulting from daughter isotopes of radium-226. The PRS 66W samples were analyzed on a fast-turn basis and there was insufficient time to evaluate ingrowth, resulting in a slightly low bias in the reported radium-226 results. Because of this inaccuracy, the validator marked the results estimated (J). The identified deficiency is systemic and, consequently, all sample results should be similarly treated estimated. The impact on the accuracy of the data was judged to not affect the usability of the data for comparison to the site cleanup goals.

3.2.2 Keyline Deficiencies

Keylines are used to identify gamma-emitting isotopes and to determine how much activity for a specific isotope is present in a sample. Some isotopes have more than one keyline that can be assessed by gamma spectrometry to confirm the isotopes presence and activity. During data validation, the validator observed the laboratory had determined that actinium-227 was present at low activities in two samples, but that other keylines for actinium-227 did not support its presence in the samples. The validator rejected actinium-227 data for one validated sample 100033 and for sample 100005, a field duplicate. The validator discussed the issue with the laboratory and determined that the laboratory policy for reporting actinium-227 was based on a single keyline. The issue is systemic. The impact can not be assessed except by individual assessment of each actinium-227 result. Because actinium-227 is not a target of concern for this specific verification event and no actinium-227 results exceeded the cleanup goal, the issue does not affect the usability of the data and no specific actions are required.

3.2.3 Data Qualifications Table

The following table lists the qualifications assigned during data validation.

Table 11 — Data Qualifications

Sample Id	Isotope	Reason for Qualification	Qual.
100001	Ra-226	Ingrowth Equilibration (Bi-214)	J
100004	Ra-226	Ingrowth Equilibration (Bi-214)	J
100005 *	Ac-227	Keyline Deficiency	R
100019	Ra-226	Ingrowth Equilibration (Bi-214)	J
100032	Ra-226	Ingrowth Equilibration (Bi-214)	J
100033	Ra-226	Ingrowth Equilibration (Bi-214)	J
100033	Ac-227	Keyline Deficiency	R

Codes:

* - Sample validated as field duplicate to sample 100004. Sample is a field duplicate.

J – Estimated

R – Rejected

4.0 References

DOE (U.S. Department of Energy). 22 January 2002. *Methods Compendium.* Mound Plant, Miamisburg OH. Technical Manual MD-80045, Issue 2.

EPA (U.S. Environmental Protection Agency). July 1999. *Data Validation Standard Operating Procedures for Contract Laboratory Program Routine Analytical Services.* Region IV, Science and Ecosystem Support Division, Office of Quality Assurance, Athens GA. Revision 2.1.

APPENDIX F

BUILDING 61 SAMPLE PLAN

Sample Plan for characterization of the fill material beneath the northwest quadrant of Bldg 61.

1. Install a soil boring (4" split spoon or equilivant) at each of 5 locations on ~~Figure 1~~ (see Figure 7 of Data Report). [illegible]

2. Collect one sample from each 4-foot interval below the subbase material to the backfill interface. A competent person will oversight the sampling and document where within the interval samples were collected and if a bias or composite was used. This area is expected to be one or two intervals based on original site topographic features and Bldg 61 "as built" drawings.

3. As each interval is opened, an RCT will scan the core with a (FIDLER) field instrument detection of low energy radiation. Sample collection will be biased to that part of the 4'-interval displaying the highest reading, if any. If no FIDLER detections are noted, the sample technician will bias the sample to areas of odor/discoloration and/or presence of debris or non-homogeneous material. If no FIDLER or visible indications are present within the interval, the interval will be composited for sampling.

4. Samples will be analyzed onsite via long count gamma spec and results will be compared to COs.

   Note: On site gamma spec typically provides results for: Co-60, Cs-137, Pb-210, Ra-226, Ac-227 (D), Th-230, Th-232 (D), Pu-238, and Am-241. In addition, any isotopes identified to be greater than their MDA (e.g., U-238, Bi-210m, etc.) will be reported on the analytical results sheet.

5. If all sample results for BD-61-01 through BD-61-05 are below COs, it is agreed that no further action is required and the results will be forwarded to the Core Team. If any results are above CO, all results will be presented to the Core Team for further evaluation and consideration of all options.

Note: Odors/stained/discolored soil may be an indication of the presence of contamination. Should any of the aforementioned be encountered appropriate monitoring and/or sampling will take place for worker safety and material characterization. Appropriate monitoring may include but is not limited to flame ionization detector (FID)/photo ionization detector (PID), and/or soil collection for Resource Conservation and Recovery Act (RCRA)/total petroleum hydrocarbon (TPH) analyses.

ATTACHMENT B

GENERAL MEDIA INFORMATION

[there was no general media information released to the public]