

3003-0605150008



CH2MHILL

CH2M HILL Mound, Inc.

1075 Mound Road

P.O. Box 750

Miamisburg, OH 45343-0750

SMO-080/06

January 31, 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 #36 Building Data Package; Section C.2.1.1 Facility Demolition; BDP and PRS Packages various (see below), Final

Dear Mr. Pfister:

Attached are the following Final documents for your records:

- Buildings 31 (PRS 268) and 31A Building Data Package, Final
- Buildings WH-1, WH-2, and WH-3 Building Data Package, Final
- PRS 60, 61, and 62 PRS Package, Final

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

Sincerely,

John Lehew
Site Manager

JL/jg

Enclosures

cc: T. Fischer, USEPA, (1) w/attachments
B. Nickel, OEPA, (1) w/attachments
R. Vandegrift, ODH, (1) w/attachments
J. Webb, 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
F. Bullock, MMCIC, (3) w/attachments
Public Reading Room, (1) w/attachments
S. Davis, CH2M Hill, (1) w/attachments
C. Kline, CH2M Hill, (1) w/attachments
M. Sizemore, CH2M Hill, (1) w/attachments

Admin Record, (2) w/attachments
ER Records, CH2M Hill, (1) w/attachs
DCC (1) w/attachments
J. Lehew, 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
A. Upshaw, CH2M Hill, w/o attachments
MOAT Coordinator, CH2M Hill, w/o attachs
S. Barr, CH2M Hill, w/o attachments
M. McDougal, CH2M Hill, w/o attachments
file, CH2M Hill, w/o attachments

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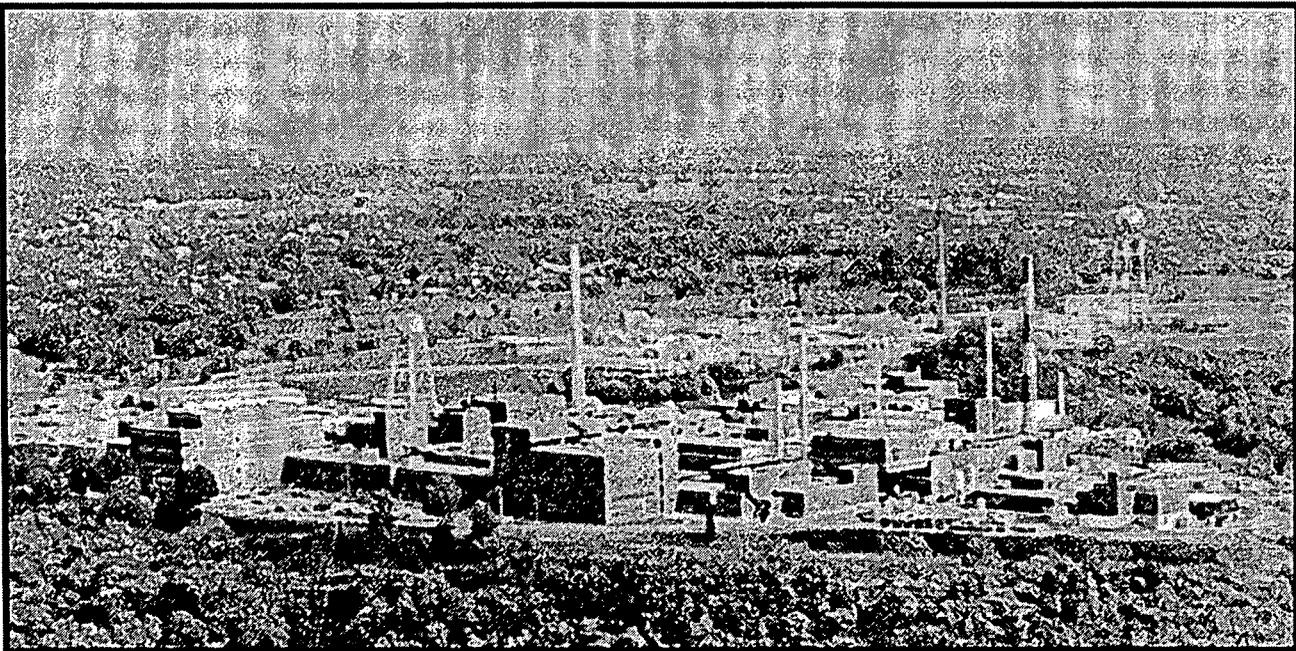


Environmental
Restoration
Program

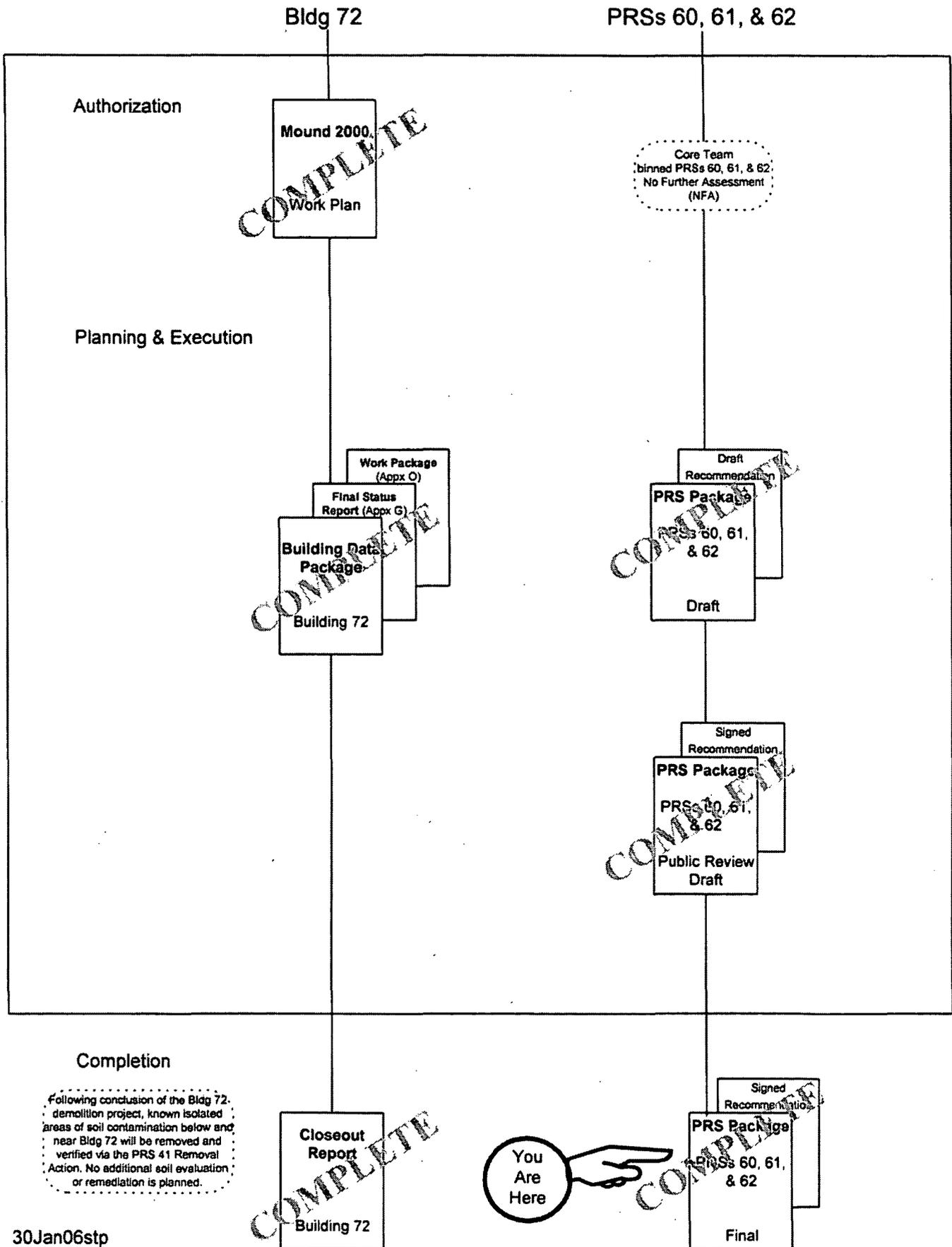


**Miamisburg Closure Project
Potential Release Site Package
PRS 60, 61, and 62**

Final
January 2006



Building 72 and PRSs 60, 61, & 62



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The Mound Core Team
 500 Capstone Circle
 Miamisburg, OH 45342

October 2005

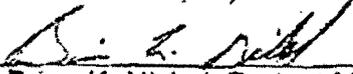
Mr. Frank Bullock, PE
 Director of Operations
 Miamisburg Mound Community Improvement Corporation
 720 Mound Road
 COS Bldg. 4221
 Miamisburg, Ohio 45342-6714

Dear Mr. Bullock:

The Core Team, consisting of the U.S. Department of Energy Miamisburg Closure Project (DOE-MCP), U.S. Environmental Protection Agency (USEPA), and the Ohio Environmental Protection Agency (OEPA), appreciates your concurrence with the PRS 60, 61, & 62 PRS Package, Public Review Draft, August 2005.

Should the responses to comments require additional detail, please contact Paul Lucas at (513) 246-0071, and we will gladly arrange a meeting or telephone conference.

Sincerely,

DOE/MCP:	 Paul Lucas, Remedial Project Manager	10/11/05 date
USEPA:	 Timothy J. Fischer, Remedial Project Manager	10/18/05 date
OEPA:	 Brian K. Nickel, Project Manager	10/12/05 date

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Technical Review of the Mound Site Summary

by EHS TECHNOLOGY GROUP, LLC

Reference Document: Potential Release Site 60, 61 and 62; Public Review Draft, August 2005

Purpose: The purpose of this document is to notify the public of the No Further Assessment Recommendation for Potential Release Sites 60-61 (Hazardous Waste Storage Areas) and Potential Release Site 62 (Empty Drum Storage Area).

Assessment of Review: EHS has had the opportunity to review and comment on this Potential Release Site Data Package. We concur with the No Further Assessment recommendation for the Potential Release Sites 60, 61 and 62. This data package was prepared in accordance with the requirements specified in the *Work Plan for Environmental Restoration (ER) of the DOE Mound Site, The Mound 2000 Approach*. As such, all appropriate inquiry was made into the condition of the building and any associated environmental concerns that would impact the demolition activities were assessed.

Technical Analysis: Potential Release Site 60 is the ground below site's former hazardous waste storage facility known as Building 72. PRS 61 is the site's former outdoor hazardous waste storage area adjacent to Building 72. PRS 62 is the site's former empty drum storage area adjacent to Building 72. Because these areas were identified as solid waste management units they were included on the list of PRS, although no specific instances of spills were cited. In addition, these PRS are in the area of PRS 41 (Area 3, Thorium Drum Storage and Redrumming Area). These storage and redrumming activities predate the construction of Building 72 and the isolated areas with elevated levels of contamination will be remediated as part of the PRS 41 cleanup.

PRS 60, 61 and 62 underwent a Resource Conservation and Recovery Act (RCRA) closure as part of the Building 72 closure of a hazardous waste storage facility in 2003. This closure address all hazardous waste located in these PRS. When operational, Building 72 (which is over the PRS 60 location) stored combustible and flammable liquids, waste oils, solvent-containing wastes, ignitable wastes, plating wastes, photo processing wastes, polymeric wastes, and toxic wastes generated at the Mound plant. PRS 61, which was the outdoor waste storage area, formerly held sealed 55-gallon drums containing waste oil. No releases were reported and no stains or odors were noted when the slab was removed. Finally, PRS 62, which is the former empty drum storage area, was used to store empty, sealed 55-gallon drums formerly used for hazardous waste storage. Again, no releases were documented and no staining or odors were noted when the slab was removed. After Building 72, the area was surveyed for radiological contamination and no elevated locations were noted under the footprint of the building (PRS 60) or within a 15-foot perimeter.

Substantive Comments: EHS concurs with the No Further Assessment recommendation for these PRS. We understand that all three areas were verified as non-contaminated through the RCRA closure activities and subsequent verification sampling.

Coordination between CH2M Hill, the DOE and MMCIC is important to ensure that the PRS 60, 61 and 62 areas be left in a condition consistent with the Mound Reuse Plan.

From: "Frank Bullock" <FBullock@mound.com>
To: "Paul Lucas (E-mail)" <Paul.Lucas@ohio.doe.gov>, "David Rakel (E-mail)" <RAKEDA@doe-md.gov>
Date: 9/16/05 8:28AM
Subject: Comments on PRS 60, 61 & 62

Paul,

MMCIC thanks you for the opportunity to review this document. We agree with the attached comments of EHS on these PRSs.

Frank Bullock, PE
MMCIC
Director of Operations
Miamisburg, Oh 45342
(937) 865-4052
www.Mound.com

<<Expericenter - PRS 60 61 62 - Sept 05.pdf>>

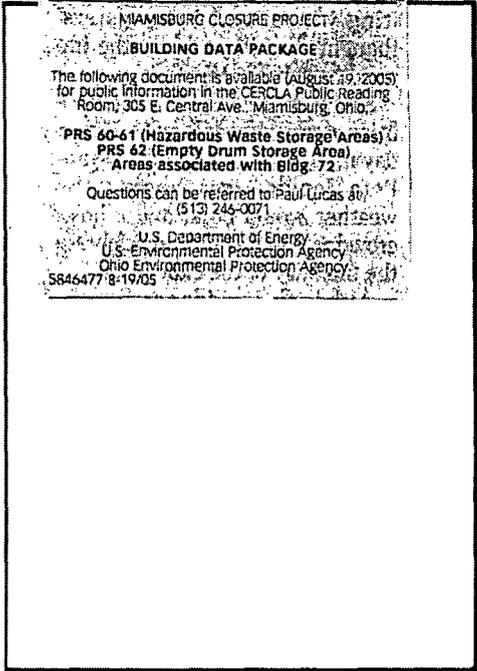
CC: "Tim Fischer (E-mail)" <fischer.timothy@epa.gov>, "Brian. Nickel (E-mail)" <brian.nickel@epa.state.oh.us>, "Becky Burrell (E-mail)" <bburrell@expericenter.com>, "Ellen Stanifer (E-mail)" <estanifer@ehstech.com>

AFFIDAVIT OF PUBLICATION

State of Ohio

SS: CH2MHILL

Montgomery County



Before me, the undersigned, a Notary public in and for said County, personally came Tina Kimball, who being first duly sworn says she is the Legal Advertising Agent of the DAYTON DAILY NEWS, which she says is a newspaper of general circulation in Montgomery, Clark, Warren, Butler, Clinton, Greene, Preble, Miami, Darke, Mercer, Shelby, Fayette, Logan, Auglaize, and Champaign Counties, and State of Ohio, and she further says that the Legal Advertisement, a copy of which is hereunto attached, has been published in the said DAYTON DAILY NEWS

19 Lines, 1 Time(s), last day of publication

being 8/19/05, and he/she further says

that the bona fide daily paid circulation of the said DAYTON DAILY NEWS was over Twenty-five Thousand (25,000) at the time the said advertisement was published, and that the price charged for same does not exceed the rates charged on annual contract for the like amount of space to other advertisers in the general display advertising columns.

Signed Tina Kimball

Sworn or affirmed to, and subscribed before me, this

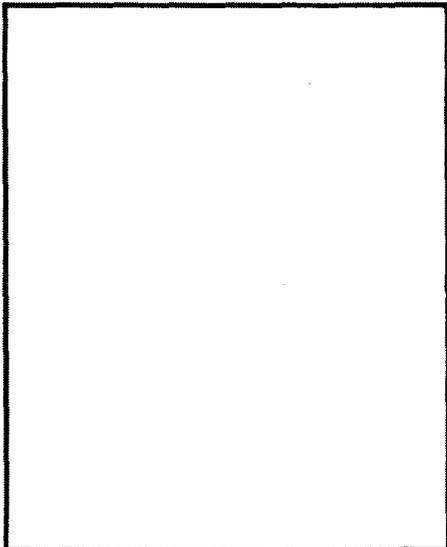
19 day of August 2005

In Testimony Whereof, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

Lorna M. Foer

Notary Public in and for the State of Ohio

LORNA M. FOER, Notary Public
In and for the State of Ohio
My Commission Expires July 4, 2010



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Potential Release Site (PRS) HISTORY:

PRS 60 is the site's former hazardous waste storage facility known as Building 72 [1]. PRS 61 is the site's former outdoor hazardous waste storage area adjacent to Building 72 [1]. PRS 62 is the site's former empty drum storage area adjacent to Building 72 [1]. Building 72 (the hazardous waste storage facility), the outdoor hazardous waste storage area, and the empty drum storage area were identified as solid waste management units (SWMUs) [2]. This contributed to the listing of Building 72 and its associated storage areas as PRSs, although no specific instances of spills were cited [2]. Additionally, Building 72 is located within the boundary of PRS 41 (also known as Area 3, Thorium Drum Storage and Redrumming Area). The storage and redrumming activities predate the construction of Building 72. In the vicinity of these PRSs, there are two locations (C0103 and 3J10) with elevated historic sample results (see Table 1 and Attachment 2). These two isolated areas will be remediated and verified as part of the PRS 41 Removal Action activities. The PRSs 60, 61, and 62 locations are shown on Figure 1.

PRS 60, the former hazardous waste storage facility, began operations in 1986. Building 72 underwent Resource Conservation and Recovery Act (RCRA) closure as a hazardous waste storage facility in 2003 (reference RCRA closure certification letter in Attachment 1). The RCRA closure addressed not only the hazardous waste storage facility PRS 60, but also included the outside area of Building 72 which included PRS 61 the former outdoor waste storage area and PRS 62 the former empty drum storage area. When operational, the building was used for storage, prior to off-plant shipment of combustible and flammable liquids, waste oils, solvent-containing wastes, ignitable wastes, plating wastes, photoprocessing wastes, polymeric wastes, and toxic wastes generated at the Mound Plant. Wastes were stored in sealed containers. The storage structure was a 60-ft by 40-ft three-sided covered structure with a concrete floor that was divided into three drum storage bays to segregate incompatible wastes. The bays had sloped floors and curbs for secondary containment of any potential spills.

PRS 61, the former outdoor waste storage area, was outside the east and south walls of Building 72, adjacent to the empty drum storage area. PRS 61 outdoor waste storage area underwent RCRA closure (reference RCRA closure certification letter in Attachment 1). Sealed 55-gallon drums containing waste oil were stored at the east side of Building 72 on an asphalt pad surrounded by a 6-inch high concrete curb. "The pad is sloped to two catch basins at the east end of the storage area that discharged to the plant drainage ditch, retention basins, and through the NPDES Outfall 002 to the Great Miami River" [1]. Drums were stacked two-high on wooden pallets and were periodically transported off-plant for disposal. Waste oil has not been stored there since late-1989. "No releases were documented, but stains were noted on the asphalt pad during the site inspection (EPA 1988)" [1]. No evidence of soil staining was seen or unusual odors detected when the slab was removed.

PRS 62, the former empty drum storage area, was outside the northeast corner of Building 72, adjacent to the outdoor hazardous waste storage area. PRS 62, the empty drum storage area, underwent RCRA closure (reference RCRA closure certification

letter in Attachment 1). Sealed empty 55-gallon drums, which were formerly used for storage of hazardous wastes, were stored on their sides and covered with a canvas tarpaulin. The area consists of an asphalt pad surrounded by a 6-inch high concrete curb. "The pad is sloped to two catch basins at the east end of the storage area that discharge to the plant drainage ditch, the retention basins, and on through the NPDES Outfall 002 to the Great Miami River" [1]. "No releases were documented, but stains were observed on the asphalt (EPA 1988)" [1]. No evidence of soil staining was seen or unusual odors detected when the slab was removed.

HISTORIC SOIL SAMPLING

Site-wide radiological scoping surveys were conducted in the 1980s, during which Pu-238 and Th-232 were the primary contaminants of concern [3]. Only two locations (at 3J10 [4] and C0103 [5]) in the vicinity of Building 72 had historic results at or exceeding the Cleanup Objective (See Attachment 2 figure and tables). Both elevated results were for Th-232. There were no historic sample results that exceeded the Hazard Index (HI) of 1 + Background values.

After the demolition of the building 72 structure, slab, and footers/foundation and debris was removed Radiological Control performed a walkover survey of the exposed soil surface area within the building footprint and within a 15-foot perimeter of the building footprint. No elevated locations were detected.

TABLE 1: Sample Results Exceeding Screening Level and Cleanup Objective*

Analyte	Location/ Depth (ft)	Elevated Results (pCi/g)	Screening Level (pCi/g)	Cleanup Objective (pCi/g)
Thorium-232	C0103/1.5	3.95	1.5	2.1
Thorium-232	3J10/1.5	2.1	1.5	2.1

Screening Level is RBGV 10^{-6} + background

Cleanup Objective is RBGV 10^{-5} + background

* *These two sample locations will be remediated and verified as part of the PRS 41 Removal Action activities.*

REFERENCES:

- [1] US Department of Energy, Operable Unit 9, Site Scoping Report, Volume 7 – Waste Management (Final), February 1993, Section 6.3.4, and Sections 5.3.2.
- [2] US Department of Energy, Operable Unit 9, Site Scoping Report, Volume 12 – Site Summary Report (Final), December 1994, pages 15, and A.2-4.

- [3] Miamisburg Closure Project, Building Data Package, Building 72 (Demolition), Public Review Draft, October 2004.
- [4] R. L. Stought, D. A. Edling, and D. G. Draper, The Mound Site Survey Project for the Characterization of Radioactive Materials in Site Soils, May 16, 1988 and US Department of Energy, Operable Unit 9, Site Scoping Report, Volume 3 – Radiological Site Survey (Final), June 1993.
- [5] Operational Area Investigation, (OU5), 1994

ATTACHMENTS:

- [1] RCRA Closure Letter
- [2] Historic Sample Locations around PRSs 60, 61, and 62 and Analytical Data (Detects and Non-Detects)

PREPARED BY:

Mary Sizemore, CH2M Hill, ER Technical Staff
Steve Davis, CH2M Hill, ER Technical Staff
John Lyons, CH2M Hill, ER Technical Staff
Steve Pawell, CH2M Hill, ER Technical Staff

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MIAMISBURG CLOSURE PROJECT
PRS 60, 61, and 62

RECOMMENDATION:

PRS 60 is the former hazardous waste storage facility (Building 72). PRS 61 is the former asphalt pad that was used for waste oil storage. PRS 62 is the former asphalt pad that was used for empty drum storage. The two locations (C0103 and 3J10) of elevated radiological soil contamination will be removed and verified via the PRS 41 Removal Action.

Therefore, the Core Team recommends No Further Assessment (NFA) for PRSs 60, 61, and 62.

A PRS Package with the NFA recommendation signed by the Core Team will be placed in the Public Reading Room for a 30-day review period. Upon closure of the public review comments, if any, the PRS Package will be issued as a final document and made available in the Public Reading Room.

CONCURRENCE:

DOE/MCP:	<u>Paul Lucas</u> Paul Lucas, On-Scene Coordinator	<u>6/14/05</u> (date)
USEPA:	<u>Timothy J. Fischer</u> Timothy J. Fischer, Remedial Project Manager	<u>6/14/05</u> (date)
OEPA:	<u>Brian K. Nickel</u> Brian K. Nickel, Project Manager	<u>6/14/05</u> (date)

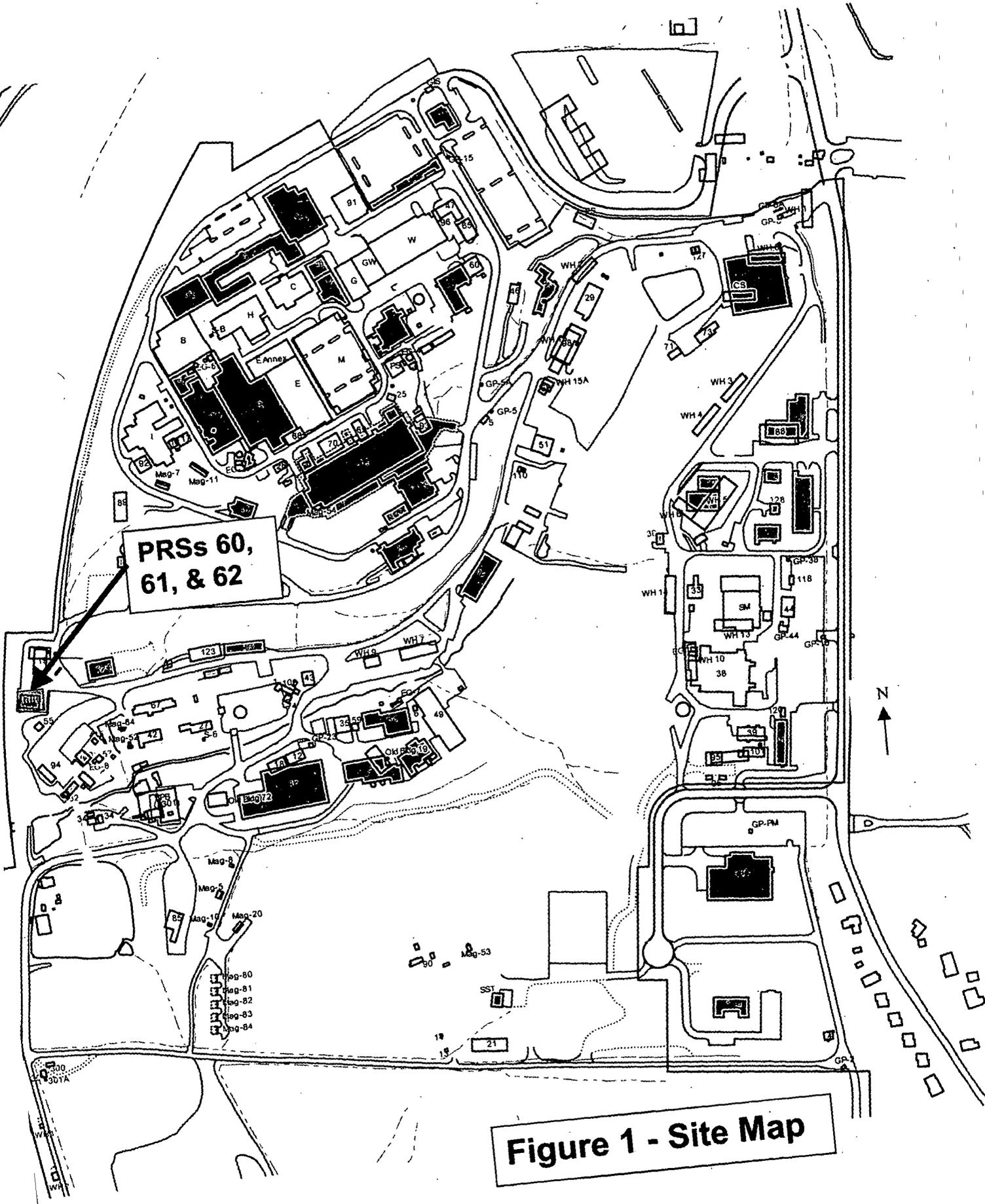


Figure 1 - Site Map

ATTACHMENT 1

RCRA Closure Letter



State of Ohio Environmental Protection Agency
Southwest District

cc: BARBERO
CARRAN
FULTON
GAUSMAN
KENNEDY
LEE
Lehew
SIMPSON
DUE

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937) 285-6357
FAX: (937) 285-6249

CERTIFIED MAIL

May 19, 2004

Mr. John Fulton
U.S. DOE Mound
P.O. Box 66
Miamisburg, Ohio 45342

Re: Final Facility Closure; Miamisburg Environmental Management Project;
OH6890008984/05-57-0677

Dear Mr. Fulton:

On March 22, 2002, Ohio EPA approved a closure plan for a hazardous waste container storage unit associated with Building 72 which is located at the Miamisburg Environmental Management Project (MEMP) at One Mound Road, Miamisburg, Ohio 45342. On November 25, 2003, the Director received final certification documents for this unit. Within these documents you and Mr. Micheal D. Giordano, P.E., have certified that the container storage unit within Building 72 has been closed according to the specifications in the approved closure plan.

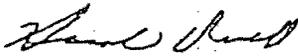
To verify MEMP closure activities, Jeff Smith from Ohio EPA's Southwest District Office conducted a final inspection of Building 72 on December 15, 2003. He also reviewed documents pertaining to the closure of the unit and determined that the activities proposed in the closure plan were conducted adequately. Based on this inspection and review, Ohio EPA has determined that MEMP has closed the unit in accordance with the approved closure plan and Ohio Administrative Code (OAC) rules 3745-55-11 through 3745-55-15. This area is the last remaining unit authorized by the facility's Ohio Hazardous Waste Installation & Operation Permit for conducting long-term storage of hazardous wastes. Therefore, closure of this unit constitutes full facility closure.

Although MEMP has now satisfactorily addressed the facility closure requirements under Ohio's hazardous waste laws, MEMP will remain subject to permitted facility requirements for the purpose of addressing RCRA Corrective Actions obligations, as required by OAC 3745-55-011. Therefore, in accordance with OAC 3745-50-51, in order to update the facility's permit and corresponding information within the permit application, MEMP officials are currently in the process of pursuing the appropriate permit modification.



Please contact Jeff Smith by phone at (937) 285-6070 if you have any questions concerning either the closure or permit-related issues that are addressed within this correspondence.

Sincerely,



Harold O'Connell, Supervisor
Division of Hazardous Waste Management

cc: Pamela Allen, Manager, RISS, CO
Ed Lim, Manager, ERAS, CO
Harry Sarvis, Manager, CAS, CO
Harriet Croke, U.S. EPA - Region V
Jeff Smith, DHWM, SWDO
Tim Stiager, DHWM, SWDO
Brian Nickel, OFFO, SWDO

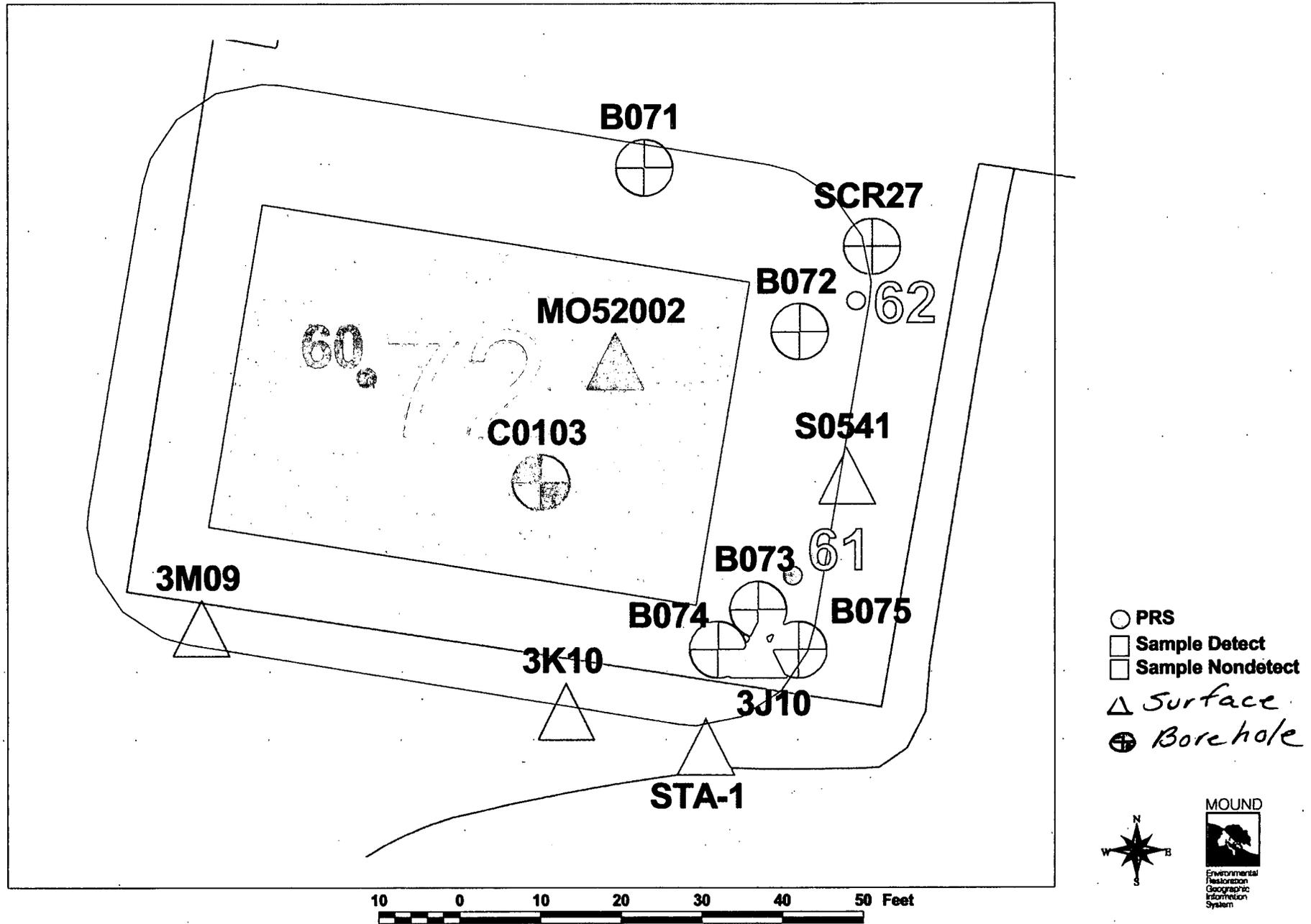
ec: Jeremy Carroll, Supervisor, ERAS, DHWM
Stephanie Beak, Supervisor, ERAS, DHWM
Jeff Patzke, DDAGW, CO
DDAGW District File

HO/br

ATTACHMENT 2

Historic Sample Locations around
PRSs 60, 61, and 62 and
Analytical Data (Detects and Non-Detects)

Figure 2: Historic Sample Locations around PRS 60, 61, and 62



Historic Sample Locations Around PRSs 60-62 - Detects

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_class	Start_depth	End_depth	Lab	Data	Project_code	Media	Comments
MO52002	MO520024	19870730	2-Butanone	98.00000	UG/KG		ORVOA	0.0	0.0	B		DOEES	Sediment	0
MO52002	MO520024	19870730	2-Methylnaphthalene	8.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	4-Methylphenol	30.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
B071	000097	20021120	Actinium-227	0.30000	PCI/G	0.27000	RAD	0.0	4.0			PRS4164417	Soil	222
MO52002	MO520024	19870730	Anthracene	36.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Benzo(a)anthracene	130.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Benzo(a)pyrene	36.00000	UG/KG	360.00000	ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Bis(2-ethylhexyl)phthalate	3100.00000	UG/KG		ORSVO	0.0	0.0	B		DOEES	Sediment	0
MO52002	MO520024	19870730	Butyl Benzyl Phthalate	270.00000	UG/KG		ORSVO	0.0	0.0	JB		DOEES	Sediment	0
B075	000093	20021120	Cesium-137	0.02000	PCI/G	0.02000	RAD	0.0	4.0			PRS4164417	Soil	0
MO52002	MO520024	19870730	Chrysene	200.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Dibenzofuran	12.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Diethyl Phthalate	27.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Di-n-butyl Phthalate	130.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Di-n-octyl Phthalate	190.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Fluoranthene	320.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Indeno(1,2,3-cd)pyrene	89.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
MO52002	MO520024	19870730	Phenanthrene	270.00000	UG/KG		ORSVO	0.0	0.0	J		DOEES	Sediment	0
C0103	1624	19830401	Plutonium-238	0.26000	PCI/G	0.01000	RAD	1.5	1.5			RSS	Soil	2
C0103	1625	19830401	Plutonium-238	0.50000	PCI/G	0.01000	RAD	3.0	3.0			RSS	Soil	2
S0541	2688	19831001	Plutonium-238	0.64000	PCI/G	0.01000	RAD	0.0	0.0			RSS	Soil	2
MO52002	MO520024	19870730	Pyrene	430.00000	UG/KG		ORSVO	0.0	0.0			DOEES	Sediment	0
B073	000094	20021120	Radium-226	0.86000	PCI/G	0.72000	RAD	0.0	4.0			PRS4164417	Soil	11
B075	000093	20021120	Radium-226	0.97000	PCI/G	0.48000	RAD	0.0	4.0			PRS4164417	Soil	11
B074	000091	20021120	Radium-226	1.31000	PCI/G	1.03000	RAD	0.0	4.0			PRS4164417	Soil	11
B072	000095	20021120	Radium-226	1.42000	PCI/G	0.98000	RAD	0.0	4.0			PRS4164417	Soil	11
B075	000093	20021120	Thorium-232	0.47000	PCI/G	0.05000	RAD	0.0	4.0			PRS4164417	Soil	1
B073	000094	20021120	Thorium-232	0.66000	PCI/G	0.12000	RAD	0.0	4.0			PRS4164417	Soil	1
B072	000095	20021120	Thorium-232	0.68000	PCI/G	0.27000	RAD	0.0	4.0			PRS4164417	Soil	1
B071	000097	20021120	Thorium-232	0.74000	PCI/G	0.22000	RAD	0.0	4.0			PRS4164417	Soil	1
B074	000091	20021120	Thorium-232	0.87000	PCI/G	0.26000	RAD	0.0	4.0			PRS4164417	Soil	1
B074	000092	20021120	Thorium-232	0.87000	PCI/G	0.16000	RAD	0.0	4.0			PRS4164417	Soil	1
3J10	3J10	19940815	Thorium-232	2.10000	PCI/G		RAD	0.0	1.5			2680	Soil	122234
C0103	1624	19830401	Thorium-232	3.95000	PCI/G	2.00000	RAD	1.5	1.5			RSS	Soil	12223447
MO52002	MO520024	19870730	Toluene	6.00000	UG/KG		ORVOA	0.0	0.0	JB		DOEES	Sediment	0
MO52002	MO520024	19870730	Trichloromethane	5.00000	UG/KG		ORVOA	0.0	0.0	JB		DOEES	Sediment	0

- (Blank) No criteria checked
- 0 Value is less than criteria checked in file "Final RBGVs Constr Worker-Site Employee_Rev7.xls"
 - 1 Value is greater than 10-6 Risk-Based Guideline Value
 - 2 Value is greater than the OU9 Soil Background Value
 - 3 Value is greater than the Screening Value (10-6 RBGV + background or as agreed)
 - 4 Value is greater than the Cleanup Objective (10-5 RBGV + background or as agreed)
 - 5 Value is greater than the MCL
 - 6 Value is greater than the Guide Value based on the Hazard Index = 1
 - 7 Value is greater than the Hot Spot Criteria (3x10-5 + background or as agreed)
 - 8 Value is greater than the Guide Value based on the Hazard Index = 1 + background
 - 9 Value is greater than the Guide Value based on the Hazard Index = .1 + background

Duplicate entries in the Comment column indicate values for RAD daughters and long lived decay.

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Historic Sample Locations Around PRSs 60-62 - Non-Detects

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_cla	Start_depth	End_depth	Lab	Data	Project_code	Media
MO52002	MO520024	19870730	1,1,1-Trichloroethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,1,2,2-Tetrachloroethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,1,2-Trichloroethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,1-Dichloroethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,1-Dichloroethene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,2,4-Trichlorobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,2-Dichlorobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,2-Dichloroethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,2-Dichloroethene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,2-Dichloropropane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,3-cis-Dichloropropene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,3-Dichlorobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,3-trans-Dichloropropene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1,4-Dichlorobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	1-chloro-4-phenoxybenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,2'-oxybis(1-chloropropane)	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4,5-Trichlorophenol	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4,6-Trichlorophenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4-Dichlorophenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4-Dimethylphenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4-Dinitrophenol	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,4-Dinitrotoluene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2,6-Dinitrotoluene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Chloronaphthalene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Chlorophenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Hexanone	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Methylphenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Nitroaniline	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	2-Nitrophenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	3,3'-Dichlorobenzidine	720.0000	UG/KG	720.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	3-Nitroaniline	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4,6-Dinitro-o-Cresol	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Bromophenyl-phenyl Ether	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Chloro-3-methylphenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Chloroaniline	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Methyl-2-pentanone	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Nitroaniline	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	4-Nitrophenol	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Acenaphthene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Acenaphthylene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Acetone	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
B075	000093	20021120	Actinium-227	0.2600	PCI/G	0.2600	RAD	0.00	4.00	U		PRS4164417	Soil

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_class	Start_depth	End_depth	Lab	Data	Project_code	Media
B074	000091	20021120	Actinium-227	0.2900	PCI/G	0.2900	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Actinium-227	0.2900	PCI/G	0.2900	RAD	0.00	4.00	U		PRS4164417	Soil
B073	000094	20021120	Actinium-227	0.3100	PCI/G	0.3100	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Actinium-227	0.5600	PCI/G	0.5600	RAD	0.00	4.00	U		PRS4164417	Soil
B075	000093	20021120	Americium-241	0.0500	PCI/G	0.0500	RAD	0.00	4.00	U		PRS4164417	Soil
B073	000094	20021120	Americium-241	0.0800	PCI/G	0.0800	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Americium-241	0.0800	PCI/G	0.0800	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Americium-241	0.0900	PCI/G	0.0900	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Americium-241	0.1000	PCI/G	0.1000	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Americium-241	0.1100	PCI/G	0.1100	RAD	0.00	4.00	U		PRS4164417	Soil
MO52002	MO520024	19870730	Benzene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Benzo(b)fluoranthene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Benzo(g,h,i)perylene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Benzo(k)fluoranthene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Benzoic Acid	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Benzyl Alcohol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Bis(2-chloroethoxy)methane	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Bis(2-chloroethyl)ether	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Bromodichloromethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Bromoform	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Bromomethane	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Carbon Disulfide	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Carbon Tetrachloride	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
B073	000094	20021120	Cesium-137	0.0400	PCI/G	0.0400	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Cesium-137	0.0500	PCI/G	0.0500	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Cesium-137	0.0500	PCI/G	0.0500	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Cesium-137	0.0600	PCI/G	0.0600	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Cesium-137	0.0700	PCI/G	0.0700	RAD	0.00	4.00	U		PRS4164417	Soil
MO52002	MO520024	19870730	Chlorobenzene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Chloroethane	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Chloromethane	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
B075	000093	20021120	Cobalt-60	0.0200	PCI/G	0.0200	RAD	0.00	4.00	U		PRS4164417	Soil
B073	000094	20021120	Cobalt-60	0.0300	PCI/G	0.0300	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Cobalt-60	0.0600	PCI/G	0.0600	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Cobalt-60	0.0700	PCI/G	0.0700	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Cobalt-60	0.0900	PCI/G	0.0900	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Cobalt-60	0.1100	PCI/G	0.1100	RAD	0.00	4.00	U		PRS4164417	Soil
MO52002	MO520024	19870730	Dibenz(a,h)anthracene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Dibromochloromethane	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Dichloromethane (Methylene Chloride)	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Dimethyl Phthalate	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Ethylbenzene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Fluorene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_class	Start_depth	End_depth	Lab	Data	Project_code	Media
MO52002	MO520024	19870730	Hexachlorobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Hexachlorobutadiene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Hexachlorocyclopentadiene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Hexachloroethane	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Isophorone	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
B075	000093	20021120	Lead-210	0.5700	PCI/G	0.5700	RAD	0.00	4.00	U		PRS4164417	Soil
B073	000094	20021120	Lead-210	0.7900	PCI/G	0.7900	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Lead-210	0.8100	PCI/G	0.8100	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Lead-210	0.9400	PCI/G	0.9400	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Lead-210	0.9600	PCI/G	0.9600	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Lead-210	1.2300	PCI/G	1.2300	RAD	0.00	4.00	U		PRS4164417	Soil
MO52002	MO520024	19870730	Naphthalene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Nitrobenzene	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	N-Nitroso-di-n-propylamine	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	N-Nitrosodiphenylamine	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Pentachlorophenol	1800.0000	UG/KG	1800.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Phenol	360.0000	UG/KG	360.0000	ORSVO	0.00	0.00	U		DOEES	Sediment
SCR27	9012185	19901217	Plutonium-238	0.0000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
SCR27	9012051-B	19901205	Plutonium-238	0.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012052-K	19901205	Plutonium-238	0.0000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012064	19901206	Plutonium-238	0.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012212	19901221	Plutonium-238	1.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012053-K	19901205	Plutonium-238	1.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012065	19901206	Plutonium-238	3.0000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012213	19901221	Plutonium-238	5.0000	PCI/G		RAD	0.60	0.60	U		SCRDATA	Soil
SCR27	9012214	19901221	Plutonium-238	6.0000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012211	19901221	Plutonium-238	7.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012067-K	19901206	Plutonium-238	9.0000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012187	19901217	Plutonium-238	10.0000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
SCR27	9012184	19901217	Plutonium-238	12.0000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
3J10	3J10	19940815	Plutonium-238	13.0000	PCI/G	13.0000	RAD	0.00	1.50		U	2680	Soil
3K10	3K10	19940810	Plutonium-238	14.0000	PCI/G	14.0000	RAD	0.00	1.50		U	2680	Soil
SCR27	9012066	19901206	Plutonium-238	14.0000	PCI/G		RAD	2.00	3.00	U		SCRDATA	Soil
3M09	3M09	19940810	Plutonium-238	15.0000	PCI/G	15.0000	RAD	0.00	1.50		U	2680	Soil
B071	000097	20021120	Plutonium-238	15.6900	PCI/G	15.6900	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Plutonium-238	17.9300	PCI/G	17.9300	RAD	0.00	4.00	U		PRS4164417	Soil
SCR27	9012188	19901217	Plutonium-238	20.0000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
SCR27	9012186	19901217	Plutonium-238	21.0000	PCI/G		RAD	12.00	12.00	U		SCRDATA	Soil
B073	000094	20021120	Plutonium-238	21.6900	PCI/G	21.6900	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Plutonium-238	23.2300	PCI/G	23.2300	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Plutonium-238	23.6100	PCI/G	23.6100	RAD	0.00	4.00	U		PRS4164417	Soil
B075	000093	20021120	Plutonium-238	30.6100	PCI/G	30.6100	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Radium-226	0.9500	PCI/G	0.9500	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Radium-226	0.9900	PCI/G	0.9900	RAD	0.00	4.00	U		PRS4164417	Soil

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_class	Start_depth	End_depth	Lab	Data	Project_code	Media
MO52002	MO520024	19870730	Styrene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Tetrachloroethene	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
B075	000093	20021120	Thorium-230	4.6300	PCI/G	4.6300	RAD	0.00	4.00	U		PRS4164417	Soil
B071	000097	20021120	Thorium-230	6.2300	PCI/G	6.2300	RAD	0.00	4.00	U		PRS4164417	Soil
B073	000094	20021120	Thorium-230	7.1600	PCI/G	7.1600	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000091	20021120	Thorium-230	7.5200	PCI/G	7.5200	RAD	0.00	4.00	U		PRS4164417	Soil
B072	000095	20021120	Thorium-230	8.6800	PCI/G	8.6800	RAD	0.00	4.00	U		PRS4164417	Soil
B074	000092	20021120	Thorium-230	9.9500	PCI/G	9.9500	RAD	0.00	4.00	U		PRS4164417	Soil
SCR27	9012053-K	19901205	Thorium-232	0.1000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012051-B	19901205	Thorium-232	0.2000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012214	19901221	Thorium-232	0.4000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012064	19901206	Thorium-232	0.5000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012213	19901221	Thorium-232	0.6000	PCI/G		RAD	0.60	0.60	U		SCRDATA	Soil
SCR27	9012184	19901217	Thorium-232	0.6000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
SCR27	9012185	19901217	Thorium-232	0.6000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
3M09	3M09	19940810	Thorium-232	0.7000	PCI/G	0.7000	RAD	0.00	1.50		U	2680	Soil
SCR27	9012188	19901217	Thorium-232	0.8000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
SCR27	9012067-K	19901206	Thorium-232	0.8000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012066	19901206	Thorium-232	0.9000	PCI/G		RAD	2.00	3.00	U		SCRDATA	Soil
SCR27	9012186	19901217	Thorium-232	1.0000	PCI/G		RAD	12.00	12.00	U		SCRDATA	Soil
SCR27	9012052-K	19901205	Thorium-232	1.0000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012211	19901221	Thorium-232	1.1000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012065	19901206	Thorium-232	1.1000	PCI/G		RAD	1.00	1.00	U		SCRDATA	Soil
SCR27	9012212	19901221	Thorium-232	1.2000	PCI/G		RAD	0.50	0.50	U		SCRDATA	Soil
SCR27	9012187	19901217	Thorium-232	1.2000	PCI/G		RAD	6.00	6.00	U		SCRDATA	Soil
3K10	3K10	19940810	Thorium-232	1.4000	PCI/G	1.4000	RAD	0.00	1.50		U	2680	Soil
S0541	2688	19831001	Thorium-232	2.0000	PCI/G	2.0000	RAD	0.00	0.00	U		RSS	Soil
C0103	1625	19830401	Thorium-232	2.0000	PCI/G	2.0000	RAD	3.00	3.00	U		RSS	Soil
3K10	3K10	19940810	Total Aromatic Hydrocarbons	378671.0000	IC*	378671.0000	GENERA	0.00	1.50		U	2680	Soil
3M09	3M09	19940810	Total Aromatic Hydrocarbons	1725780.0000	IC*	1725780.0000	GENERA	0.00	1.50		U	2680	Soil
3J10	3J10	19940815	Total Aromatic Hydrocarbons	5182715.0000	IC*	5182715.0000	GENERA	0.00	1.50		U	2680	Soil
3K10	3K10	19940810	Total C5 TO C11 Petroleum Hydrocarbons	898803.0000	IC*	898803.0000	GENERA	0.00	1.50		U	2680	Soil
3M09	3M09	19940810	Total C5 TO C11 Petroleum Hydrocarbons	4770233.0000	IC*	4770233.0000	GENERA	0.00	1.50		U	2680	Soil
3J10	3J10	19940815	Total C5 TO C11 Petroleum Hydrocarbons	15150924.0000	IC*	15150924.0000	GENERA	0.00	1.50		U	2680	Soil
3K10	3K10	19940810	Total Halogenated Hydrocarbons	125018.0000	IC*	125018.0000	GENERA	0.00	1.50		U	2680	Soil
3M09	3M09	19940810	Total Halogenated Hydrocarbons	644946.0000	IC*	644946.0000	GENERA	0.00	1.50		U	2680	Soil

Location_name	Sample_id	Collection_date	Value_name	Measured_value	Value_units	Detection_limit	Chem_class	Start_depth	End_depth	Lab	Data	Project_code	Media
3J10	3J10	19940815	Total Halogenated Hydrocarbons	1267283.0000	IC*	1267283.0000	GENERA	0.00	1.50		U	2680	Soil
3M09	3M09	19940810	Total Semivolatile Hydrocarbons	17200.0000	IC*	17200.0000	GENERA	0.00	1.50		U	2680	Soil
3K10	3K10	19940810	Total Semivolatile Hydrocarbons	24260.0000	IC*	24260.0000	GENERA	0.00	1.50		U	2680	Soil
3J10	3J10	19940815	Total Semivolatile Hydrocarbons	119254.0000	IC*	119254.0000	GENERA	0.00	1.50		U	2680	Soil
MO52002	MO520024	19870730	Trichloroethylene (TCE)	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Vinyl Acetate	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Vinyl Chloride	53.0000	UG/KG	53.0000	ORVOA	0.00	0.00	U		DOEES	Sediment
MO52002	MO520024	19870730	Xylenes, Total	26.0000	UG/KG	26.0000	ORVOA	0.00	0.00	U		DOEES	Sediment

*Units IC are ion counts (IC). Results are qualitative and only relative to each other. Samples collected as part of the OU5 Operational Area Investigation.