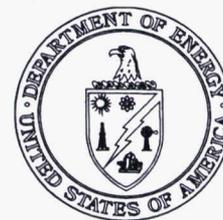


**Department of Energy**

**Ohio Field Office  
Fernald Closure Project  
175 Tri-County Parkway  
Springdale, Ohio 45246**

AUG 21 2006



Mr. James A. Saric, Remedial Project Manager  
United States Environmental Protection Agency  
Region V-SRF-5J  
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Chicago, Illinois 60604-3590

DOE-0185-06

Mr. Thomas Schneider, Project Manager  
Ohio Environmental Protection Agency  
Southwest District Office  
401 East Fifth Street  
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**OPERABLE UNIT 3 PROJECT COMPLETION REPORT FOR THE OPERABLE  
UNIT 4 COMPLEX SILOS 1&2 REMEDIATION FACILITY DECONTAMINATION  
AND DISMANTLEMENT PROJECT**

Enclosed for your review and approval is the Operable Unit 3 Project Completion Report for the Operable Unit 4 Complex Silos 1&2 Remediation Facility Decontamination and Dismantlement (D&D) Project. The regulatory commitment date for this submittal is September 17, 2006.

If there are any questions concerning this information, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising  
Director

Enclosure: As Stated

Mr. James Saric  
Mr. Thomas Schneider

-2-

DOE-0185-06

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006186

**OPERABLE UNIT 3  
OPERABLE UNIT 4 COMPLEX  
SILOS 1&2 REMEDIATION FACILITY  
DECONTAMINATION AND DISMANTLEMENT  
PROJECT COMPLETION REPORT**



**AUGUST 2006**

**FERNALD CLOSURE PROJECT  
FERNALD, OHIO**

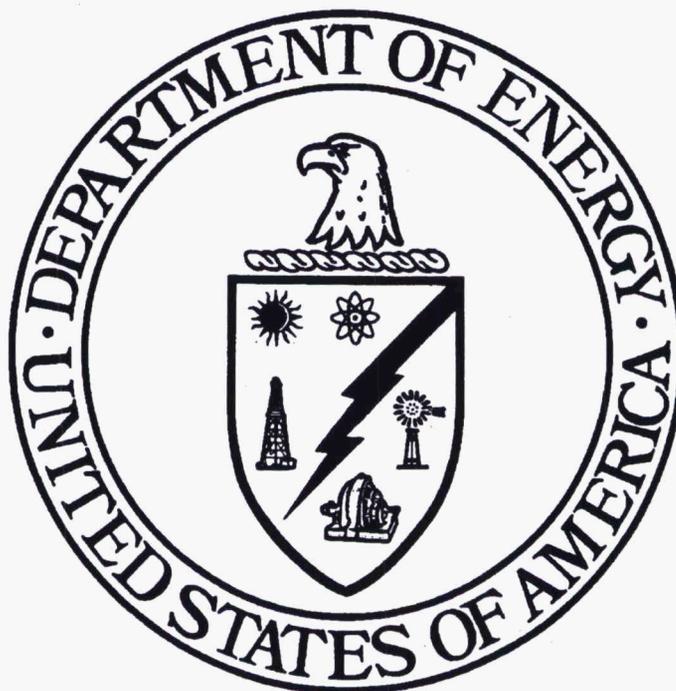
**U.S. DEPARTMENT OF ENERGY  
FERNALD AREA OFFICE**

**DOCUMENT CONTROL NO. 40900-RP-0003 (REV.0)**

# OPERABLE UNIT 3

## PROJECT COMPLETION REPORT

OPERABLE UNIT 4 COMPLEX  
SILOS 1&2 REMEDIATION FACILITY  
DECONTAMINATION AND DISMANTLEMENT



AUGUST 2006

FERNALD CLOSURE PROJECT  
FERNALD, OHIO

U. S. DEPARTMENT OF ENERGY  
FERNALD AREA OFFICE  
DOCUMENT CONTROL NO. 40900-RP-0003 (REV.0)

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**PROJECT COMPLETION REPORT**  
**OPERABLE UNIT 4 COMPLEX SILOS 1&2 REMEDIATION FACILITY D&D**

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## **ATTACHMENTS**

- |              |  |
|--------------|--|
| Attachment 1 | IIMS Information (Integrated Information Management System)                      |
| Attachment 2 | SWIFTS Information (Site-wide Waste Information Forecasting and Tracking System) |
| Attachment 3 | Photos   |

## 1.0 PROJECT SUMMARY

The decontamination and dismantlement (D&D) of the above-grade Operable Unit 4 (OU4) Complex Silos 1&2 Remediation Facility was performed successfully and in accordance with the project planning/design requirements specified in the Operable Unit 4 Complex Silos 1&2 Remediation Facility Implementation Plan for Above-Grade D&D (DOE 2005). As required by the Implementation Plan, this document serves as the OU4 Complex Silos 1&2 Remediation Facility D&D Project Completion Report. Following completion of the last Operable Unit 3 (OU3) D&D Project, this report will be compiled with reports from all OU3 D&D projects to prepare the Final Remedial Action Report for OU3.

The execution of the OU4 Complex Silos 1&2 Remediation Facility Project began on December 2, 2005 with the start of Silos 1&2 Remediation Facility D&D preparatory activities by the Fluor Fernald Self-Perform Group. Project completion was achieved by the Fluor Fernald Self-Perform Group on July 19, 2006 and is defined by the signed Final Acceptance/Turnover document that transfers the area to Fluor Fernald Facilities Management. This document signifies Completion of Field Activities per Section 4.2.4 of the OU3 Integrated RD/RA Work Plan.

The scope of the OU4 Complex Silos 1&2 Remediation Facility D&D Project included the following major activities:

- Surface decontamination;
- Above-grade component dismantlement; and
- Material management.

Section 2 presents a component-specific remediation summary. Material management is discussed in Section 3. The results of environmental monitoring conducted in support of this project are presented in Section 4.

The following components were included in the D&D implementation plan scope for the OU4 Complex Silos 1&2 Remediation Facility project:

- Building 94A – Silos Operations/Maintenance Building
- Building 94B – Silos 1&2 Remediation Building
- Building 94C – Silos 1&2 Transfer Tank Area (TTA)
- Building 94D – Silos 1&2 Carbon Bed Facility
- Building 94E – Silos 1&2 Radon Control System (RCS)
- Building 94G – Silos 1&2 Electrical Building
- Building 94J – AWR Continuous Emissions Monitoring (CEM) Building
- Building 94L – Silos 1&2 Continuous Emissions Monitoring (CEM) Building
- Building 94R – Silos 1&2 High Pressure Pump/Breathing Air Utility Building
- Building 94S – Silos Small Lab Building
- Building 94T – Silos Test Stand
- Building 94Y – Silos Maintenance Shop

### 1.1 Description of Complex

The components remediated under the scope of the OU4 Complex Silos 1&2 Remediation Facility D&D project included the structures located north of Silo Road and south of the Biondenitrification Surge Lagoon within the southwestern-most block of the former Production Area. The Silos 1&2 Remediation Facility project area is illustrated in Figure 1-1.

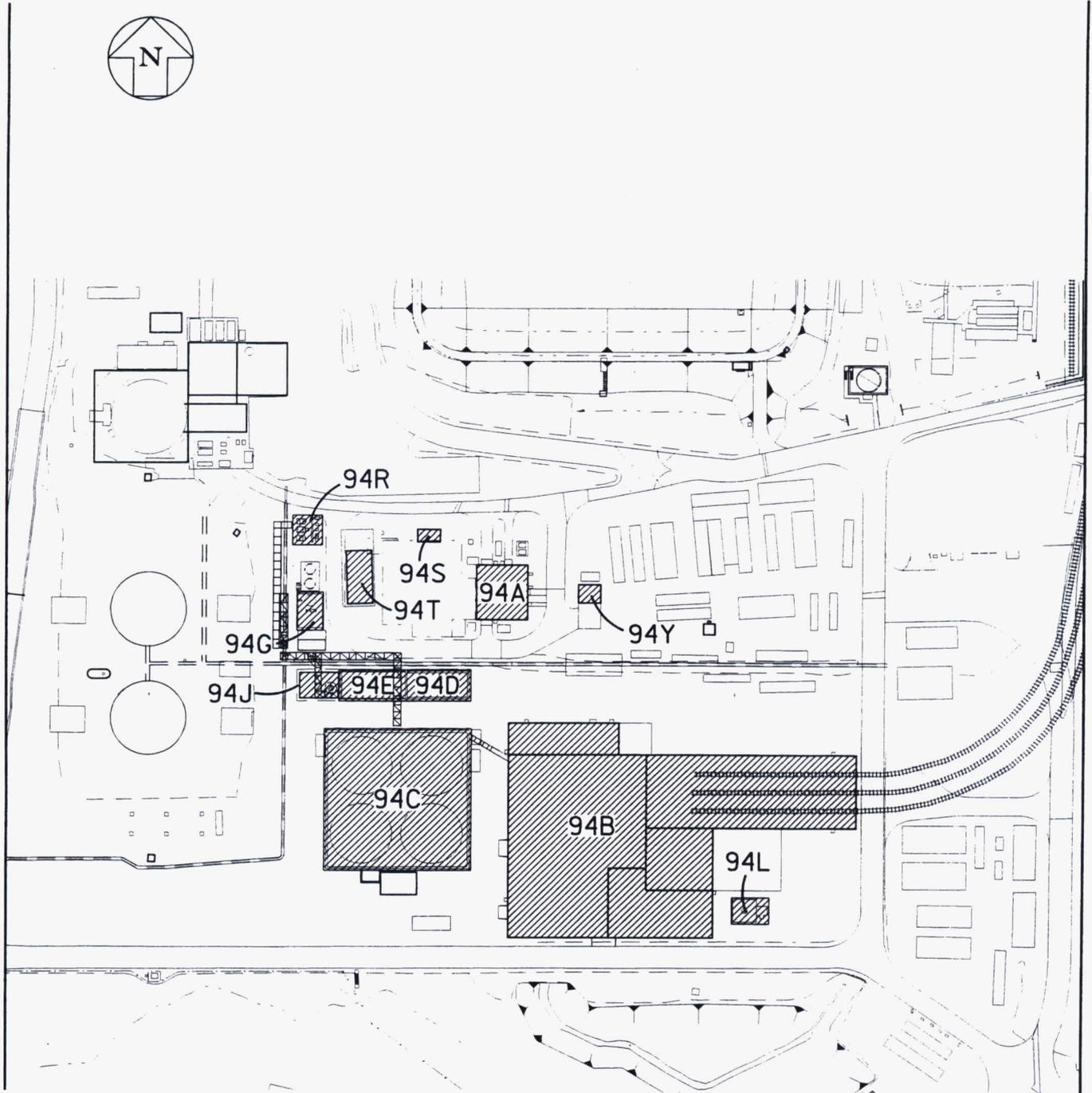


Figure 1-1 Silos 1&2 Remediation Facility D&D Project Area

## 1.2 Project Chronology

Table 1-1 lists the chronology of above-grade D&D activities for the OU4 Complex Silos 1&2 Remediation Facility Project:

**TABLE 1-1 D&D Chronology**

ACTIVITY	START	FINISH
Mobilization/Demobilization	12/2/05	7/17/06
Dismantlement		
• Building 94A – Silos Operations/Maintenance Building	1/19/06	1/30/06
• Building 94B – Silos 1&2 Remediation Building	3/14/06	7/9/06
• Building 94C – Silos 1&2 Transfer Tank Area (TTA)	2/10/06	6/21/06
• Building 94D – Silos 1&2 Carbon Bed Facility	5/11/06	7/2/06
• Building 94E – Silos 1&2 Radon Control System (RCS)	5/11/06	6/19/06
• Building 94G – Silos 1&2 Electrical Building	4/3/06	4/11/06
• Building 94J – AWR Continuous Emissions Monitoring Building	4/21/06	4/21/06
• Building 94L – Silos 1&2 Continuous Emissions Monitoring Building	3/14/06	4/11/06
• Building 94R – Silos 1&2 High Pressure Pump/Breathing Air Utility Building	2/22/06	2/28/06
• Building 94S – Silos Small Lab Building	1/19/06	1/24/06
• Building 94T – Silos Test Stand	2/15/06	2/23/06
• Building 94Y – Silos Maintenance Shop	12/2/05	12/2/05
Debris Size Reduction and Containerization:		
• Building 94A – Silos Operations/Maintenance Building		2/7/06
• Building 94B – Silos 1&2 Remediation Building		7/17/06
• Building 94C – Silos 1&2 Transfer Tank Area (TTA)		7/17/06
• Building 94D – Silos 1&2 Carbon Bed Facility		7/17/06
• Building 94E – Silos 1&2 Radon Control System (RCS)		7/17/06
• Building 94G – Silos 1&2 Electrical Building		4/12/06
• Building 94J – AWR Continuous Emissions Monitoring Building		4/21/06
• Building 94L – Silos 1&2 Continuous Emissions Monitoring Building		4/11/06
• Building 94R – Silos 1&2 High Pressure Pump/Breathing Air Utility Building		3/1/06
• Building 94S – Silos Small Lab Building		1/25/06
• Building 94T – Silos Teat Stand		2/27/06
• Building 94Y – Silos Maintenance Shop		12/2/05
Completion of Field Activities (CFA)		7/19/06

## 2.0 REMEDIATION APPROACH

### 2.1 Preparatory Actions

Facility Shutdown activities were performed by FCP personnel and were completed for each of the OU4 Complex Silos 1&2 Remediation Facility structures just prior to demolition activities. Facility Shutdown activities consisted of:

- Removal of all salvageable equipment;
- Removal of loose, gross contamination;
- General clean-up; and
- Disconnection of utilities associated with the structures being demolished.

## 2.2 Component-Specific Remediation Summary

### 2.2.1 Building 94A – Silos Operations/Maintenance Building

#### *Background*

Building 94A (Silos Operations/Maintenance Building) was a pre-engineered metal building with a concrete slab foundation. Building 94A was a three-story structure that measured 55 feet wide by 60 feet long and had an eave height of 30 feet. The building was divided into process and support areas by a center firewall.

Building 94A, formerly known as the Vitrification Pilot Plant maintained its original floor plan and served as the Silos Operations/Maintenance Building. Neither radioactive nor hazardous materials were stored in the structure. Additionally, no radiologically contaminated maintenance activities were performed in the lower maintenance shop area. The building contained the control room for the AWR project. The change room was used as the control point for operations. The old melter room was used for maintenance activities associated with the Silos project.

#### *Remedial Tasks*

Building 94A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94A included structural and miscellaneous steel, equipment, piping and conduit/wire. The Building 94A debris was shipped as clean debris to an offsite landfill.

#### *Photos*

Photo 1 of Attachment 3 shows the following activity for the D&D of Building 94A:

- 1 – Building 94A Structural Demolition

### 2.2.2 Building 94B – Silos 1&2 Remediation Facility

#### *Background*

Building 94B (Silos 1&2 Remediation Facility) was an irregular-shaped, three story building with an approximate 60,200 square feet first floor, approximate 19,000 square feet second floor and approximate 3,800 square feet third floor. The building exterior was constructed with an insulated metal panel system on metal girt or furring channels on a structural steel frame. The roof system consisted of a single ply ethylene-propylenediene-monomer roofing system with insulated boards on metal roof deck.

Building 94B was used to process K-65/bentonite waste material retrieved from the Transfer Tank Area (TTA) tanks to allow it to be shipped to an offsite disposal facility. Building 94B contained a vessel vent system, a container handling system and a railcar loading area.

#### *Remedial Tasks*

The Building 94B upper floors were demolished using a track hoe mounted shear. The concrete walls of Building 94B were demolished using a track hoe with a concrete

processor shear and hoe ram attachment. Materials generated during dismantlement of Building 94B included structural and miscellaneous steel, equipment, concrete, rubber roofing, piping, drywall, fabric doors and conduit/wire. Debris from the rail loadout building, electrical room, lab room, control room, ready room, new container receipt, compressor room, dry additive room and HEPA ventilation room (except for the HEPA contents) was shipped as clean debris to an offsite landfill. All other Building 94B debris was placed in the On-Site Disposal Facility.

#### *Photos*

Photos 2 and 3 of Attachment 3 show the following activities for the D&D of Building 94B:

- 2 – Building 94B Structural Demolition
- 3 – Building 94B Structural Demolition

### 2.2.3 Building 94C – Silos 1&2 Tank Transfer Area (TTA)

#### *Background*

Building 94C (Silos 1&2 Tank Transfer Area) was a concrete structure that provided secondary containment of stored wastes. This structure was 152 feet long, 152 feet wide and approximately forty feet tall with concrete walls for radiation shielding. The first twenty feet in height of the transfer storage tanks enclosure was 24 inches thick and the next twenty feet in height of the transfer storage tanks enclosure was 18 inches thick.

The TTA system staged residues received from Silos 1&2 (Components 34A & B) in four 750,000-gallon storage tanks for transfer to the Silos 1&2 Remediation Facility (Building 94B) that was located immediately east of the TTA.

#### *Remedial Tasks*

Remedial tasks began with a high-pressure washdown of the storage tank interior surfaces and application of encapsulant. Building 94C tanks and equipment were demolished using a track hoe mounted shear. The Building 94C concrete exterior was demolished using a track hoe with a concrete processor shear attachment and hoe ram. Materials generated during dismantlement of Building 94C included structural and miscellaneous steel, concrete, equipment, piping and conduit/wire.

#### *Photos*

Photo 4 of Attachment 3 shows the following activity for the D&D of Building 94C:

- 4 – Building 94C Structural Demolition

### 2.2.4 Building 94D – Silos 1&2 Carbon Bed Facility

#### *Background*

Building 94D (Silos 1&2 Carbon Bed Facility) was a fifteen feet long by ten feet wide by ten feet high steel shell containing approximately 40,000 lbs of activated carbon. There were four beds in this facility. The carbon bed structure was a box culvert with ten inch

thick walls. The carbon bed facility foundation was approximately thirty feet wide by 68 feet long and three feet thick. The Building 94D four concrete shielding walls were all at least one foot thick and extended upwards to ten feet.

The Building 94D activated carbon trapped radon and allowed the radon to decay to its daughter products. The radon control system used four carbon beds operating in parallel.

#### *Remedial Tasks*

Remedial tasks began with removal of the Building 94D concrete, exposing the four carbon-filled vessels. The top of each vessel was sheared open. The carbon was saturated with water, scooped out using a track hoe equipped with a bucket and placed in the beds of articulating dump trucks. The saturated carbon debris was transported to the OSDF. The Building 94D shell and beds were demolished using a track hoe mounted shear. The concrete shielding walls were demolished using a track hoe with a concrete processor shear attachment and hoe ram attachment. Materials generated during dismantlement of Building 94D included miscellaneous steel, concrete, equipment, piping, and conduit/wire.

#### *Photos*

Photo 5 of Attachment 3 shows the following activity for the D&D of Building 94D:

5 – Building 94D Structural Demolition

#### 2.2.5 Building 94E – Silos 1&2 Radon Control System (RCS)

##### *Background*

Building 94E (Silos 1&2 Radon Control System RCS) was a sixteen feet tall steel frame structure that housed the RCS process equipment. This included the desiccant drying system, condensate holdup tanks, filters and fans. The first floor area was provided with two feet thick walls for shielding to be as low as reasonably achievable compliant.

Building 94E received off-gasses from the Silos, SWRS, TWRS, the TTA System and the Silos 1&2 Remediation Facility. The RCS removed radon from gas streams, reduced radon releases to the atmosphere, monitored all releases to the atmosphere for radon and other radiological material and mitigated system upsets.

##### *Remedial Tasks*

Building 94E was demolished using a track hoe mounted shear and hoe-ram. Materials generated during dismantlement of Building 94E included concrete, structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94E debris was shipped as clean debris to an offsite landfill.

#### *Photos*

Photo 6 of Attachment 3 shows the following activity for the D&D of Building 94E:

6 – Building 94E Structural Demolition

### 2.2.6 Building 94G – Silos 1&2 Electrical Building

#### *Background*

Building 94G (Silos 1&2 Electrical Building) was a 30 feet long by 22 feet wide metal frame structure that sat on a concrete foundation. There was a concrete encasement under the Electrical Building pad, which went from the Electrical Building to the diesel generator. The diesel generator located on the pad north of the building was included with this facility. A motor control center was located on a concrete pad east of the facility.

Building 94G supplied electrical power for the RCS Phase-1 and AWR Balance-of-Plant.

#### *Remedial Tasks*

Building 94G was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94G included structural and miscellaneous steel, electrical equipment and conduit/wire. The Building 94G debris was shipped as clean debris to an offsite landfill.

#### *Photos*

There were no photos available of the Building 94G demolition activity.

### 2.2.7 Building 94J – AWR Continuous Emissions Monitoring (CEM) Building

#### *Background*

Building 94J (AWR Continuous Emissions Monitoring (CEM) Building) was a ten feet wide by twelve feet long self-framing, insulated metal building.

Building 94J housed the controls emissions (CEM) equipment for stack monitoring. The stack was co-located by the CEM building. The stack was constructed of carbon steel and was approximately 150 feet tall. Two chillers were also co-located on the pad.

#### *Remedial Tasks*

Building 94J and the stack were demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94J and the stack included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94J debris was shipped as clean debris to an offsite landfill.

#### *Photos*

There were no photos available of the Building 94J demolition activity.

### 2.2.8 Building 94L – Silos 1&2 Continuous Emissions Monitoring (CEM) Building

#### *Background*

Building 94L (Silos 1&2 Continuous Emissions Monitoring (CEM) Building) was a ten feet wide by twelve feet long self-framing, insulated metal building.

Building 94L housed the controls emissions (CEM) equipment for stack monitoring. The stack was co-located by the CEM building. The stack was constructed of carbon steel and

was approximately 130 feet tall by eight feet in diameter at the base tapering to 54 inches at the top.

#### *Remedial Tasks*

Building 94L and the stack were demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94L and the stack included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94L debris was shipped as clean debris to an offsite landfill.

#### *Photos*

There were no photos available of the Building 94L demolition activity.

### 2.2.9 Building 94R – Silos 1&2 High Pressure Pump/Breathing Air Utility Building

#### *Background*

Building 94R (Silos 1&2 High Pressure Pump/Breathing Air Utility Building) was a 32 feet long by 32 feet wide metal panel building on a concrete pad.

Building 94R housed two high-pressured pumps on skids used to generate pressurized water for the decontamination rings and Slurry Pump sparge rings. Co-located south of 94R was a concrete pad containing make-up and domestic/process water tanks and an air compressor. The three tanks provided process water storage and were constructed with flat bottoms. Make-up water pumps were also located on the pads to transfer process water to various silos facilities.

#### *Remedial Tasks*

Building 94R and the water tanks were demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94R included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94R debris was shipped as clean debris to an offsite landfill.

#### *Photos*

There were no photos available of the Building 94R demolition activity.

### 2.2.10 Building 94S – Silos Small Lab Building

#### *Background*

Building 94S (Silos Small Lab Building) was a 22 feet long by 12 feet wide and 12 feet tall self-framing, insulated metal building on a concrete pad. The building was renovated during 2001, removing a radiologically contaminated fume hood.

Building 94S housed a fume hood, laboratory tables and equipment for process control testing of the AWR slurry and Silo 3 samples. The small lab had been set up as an interim lab to support slucing and pumping tests. The lab functions were relocated to the second floor of Building 94B during operations of the Silos 1&2 Remediation Project.

### *Remedial Tasks*

Building 94S was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94S included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94S debris was shipped as clean debris to an offsite landfill.

### *Photos*

There were no photos available of the Building 94S demolition activity.

## 2.2.11 Building 94T – Silos AWR Test Stand

### *Background*

Building 94T (Silos AWR Test Stand) was an 88 feet long by 28 feet wide and twenty feet tall metal building with structural steel framing and steel tank walls on a concrete pad. The building was renovated during 2001, removing a radiologically contaminated fume hood.

Building 94T housed tanks for storage of surrogate material and was used for testing slurry and sluicer modules from Silo 2 prior to their final installation on the Silo bridge. The tanks had been removed leaving the north end open for covered storage or testing of other proposed equipment.

### *Remedial Tasks*

Building 94T was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94T included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94T debris was shipped as clean debris to an offsite landfill.

### *Photos*

There were no photos available of the Building 94T demolition activity.

## 2.2.12 Building 94Y – Silos Maintenance Shop

### *Background*

Building 94Y (Silos Maintenance Shop) was a 24 feet long by 24 feet wide and sixteen feet tall metal-framed building on a concrete pad.

Building 94Y had been used for storage and construction & maintenance shops.

### *Remedial Tasks*

Building 94Y was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 94Y included structural and miscellaneous steel, equipment, piping, and conduit/wire. The Building 94Y debris was shipped as clean debris to an offsite landfill.

### *Photos*

There were no photos available of the Building 94Y demolition activity.

### 3.0 MATERIAL MANAGEMENT

#### Generated Debris

Debris generated from the D&D of the OU4 Complex Silos 1&2 Remediation Facility Project was size reduced, segregated, and containerized in accordance with the requirements identified by the Material Segregation and Containerization Criteria (MSCC).

Containerized materials that either have, or will be, disposed of in the FEMP On Site Disposal Facility (OSDF) are presented in Table 3-1. Containerized materials not meeting OSDF Waste Acceptance Criteria (WAC) that meet Envirocare disposal requirements are presented in Table 3-2. This information is identified in the Integrated Information Management System (IIMS) report, shown as Attachment 1. The IIMS report represents activities associated with materials generated by the project that either have been or are destined for disposition in the OSDF or at Envirocare.

Containerized materials requiring disposal at an offsite facility are presented in Table 3-3. This information is identified in the Site-Wide Waste Information and Tracking System (SWIFTS) database report, shown in Attachment 2. SWIFTS provides reports that track containerized materials that will be disposed of at an offsite facility.

#### Wastewater

Approximately 28,825 gallons of OU4 Complex Silos 1&2 Remediation Facility wastewater were pumped to the Stormwater Management Pond. Water from the Stormwater Management Pond is pumped to the Converted Advanced Wastewater Treatment Facility for treatment and disposition.

**TABLE 3-1 Waste Containers For Placement In The OSDF**

Debris Category	Profile	OSDF Code	Volume (cu. yds.)
A, B, D & E (Thorium)	92028	2	27, 326
Trash	92023	2	194
B	922844	2	2556

**TABLE 3-2 Soil Pile 7 Associated Material**

Debris Category	Profile	OSDF Code	Volume (cu. yds.)
SP-7	80094 (1)	N/A	1252

(1) - Soil, soil-like materials and associated debris not meeting OSDF WAC that meets Envirocare disposal requirements.

**TABLE 3-3 Drums and White Metal Boxes for Offsite Shipment**

Debris Category	Material Description Code	Volume (cubic yards)	Number of Containers	Container Type
Contaminated Solvent	013	N/A	1	85-Gallon
Contaminated Oil	015	N/A	11	50-Gallon (1) 85-Gallon (10)
Lead and Lead-contaminated Materials	049	N/A	7	10-Gallon (3) 85-Gallon (4)
PCB Materials	050	N/A	1	85-Gallon
Ore Concentrates	170	N/A	1	55-Gallon
General Chemicals	613	N/A	1	85-Gallon
Nickel Cadmium Batteries	626	N/A	1	10-Gallon
Lead Batteries	628	N/A	1	10-Gallon
<b>TOTAL</b>			<b>24</b>	

## 4.0 ENVIRONMENTAL MONITORING

Project-specific environmental monitoring for the OU4 Complex Silos 1&2 Remediation Facility D&D Project included radiological air monitoring.

### 4.1 Radiological Air Monitoring

#### *Air Monitoring Data Recorded at FCP Boundary*

The IEMP environmental radiological air emissions data from the monitoring period of December 2005 through mid-July 2006 indicated sporadic, short-term increases in site boundary airborne uranium concentrations. The increases, which may be attributable to emissions from the D&D of the OU4 Complex Silos 1&2 Remediation Facility Project, are within the historical range of concentrations measured during previous D&D projects. Airborne uranium concentrations at the FCP boundary are influenced by emissions from all site projects, work activities and wind erosion of contaminated soils and materials.

Historical site boundary uranium data collected during similar D&D projects (Plants 1, 4, 7, and 9) indicate uranium concentrations averaged less than one half of one percent of the DOE maximum off-site guideline of 0.1 pCi/m<sup>3</sup>. During the monitoring periods of December 2005 through mid-July 2006, the average uranium concentrations also indicated levels less than one half of one percent of the guideline. The maximum uranium concentration (at AMS-3) was 0.00018 pCi/m<sup>3</sup>, which represents less than one percent of the DOE maximum off-site guideline. The relationship between 0.1 pCi/m<sup>3</sup> and mrem/year may be understood by the conversion factors used to equate the two terms; if inhaled continuously (24 hours/day, 365 days/year), 0.1 pCi/m<sup>3</sup> of total uranium in air will result in a dose of 100 mrem/year. It should be noted that various assumptions have been incorporated in this conversion factor. The data from AMS-3 suggest that uranium emissions from the OU4 Complex Silos 1&2 Remediation Facility D&D Project have not significantly affected compliance with DOE guidelines. Furthermore, the emissions from the OU4 Complex Silos 1&2 Remediation Facility D&D Project have not significantly affected compliance with NESHAP Subpart H limit of 10 mrem per year.

Site boundary data collected during the first and second quarters of 2006, which in general correspond to Silo area D&D activities, indicated the air inhalation effective dose equivalent for Thorium-230 (Th-230) averaged 0.0015 mrem at the site boundary (IEMP) air monitoring stations (AMS), which represents less than one percent of the NESHAP Subpart H limit. The maximum Th-230 dose (at AMS-3) was 0.0076 mrem, which also represents less than one percent of the NESHAP standard. Radium-226 (Ra-226) data indicated an average air inhalation dose equivalent of 0.006 mrem at the IEMP monitors. The maximum Ra-226 dose was 0.034 mrem (at AMS-29), which represents 0.34 percent of the NESHAP standard.

The locations of the IEMP monitors are shown in Figure 4-1. The maximum year-to-date dose estimates at the IEMP monitors AMS-3, AMS-27 and AMS-29 indicated the total doses from isotopic uranium, thorium, radium and their progeny were 0.076, 0.062, and 0.076 mrem, respectively. These doses represent less than one percent of the NESHAP Subpart H limit.

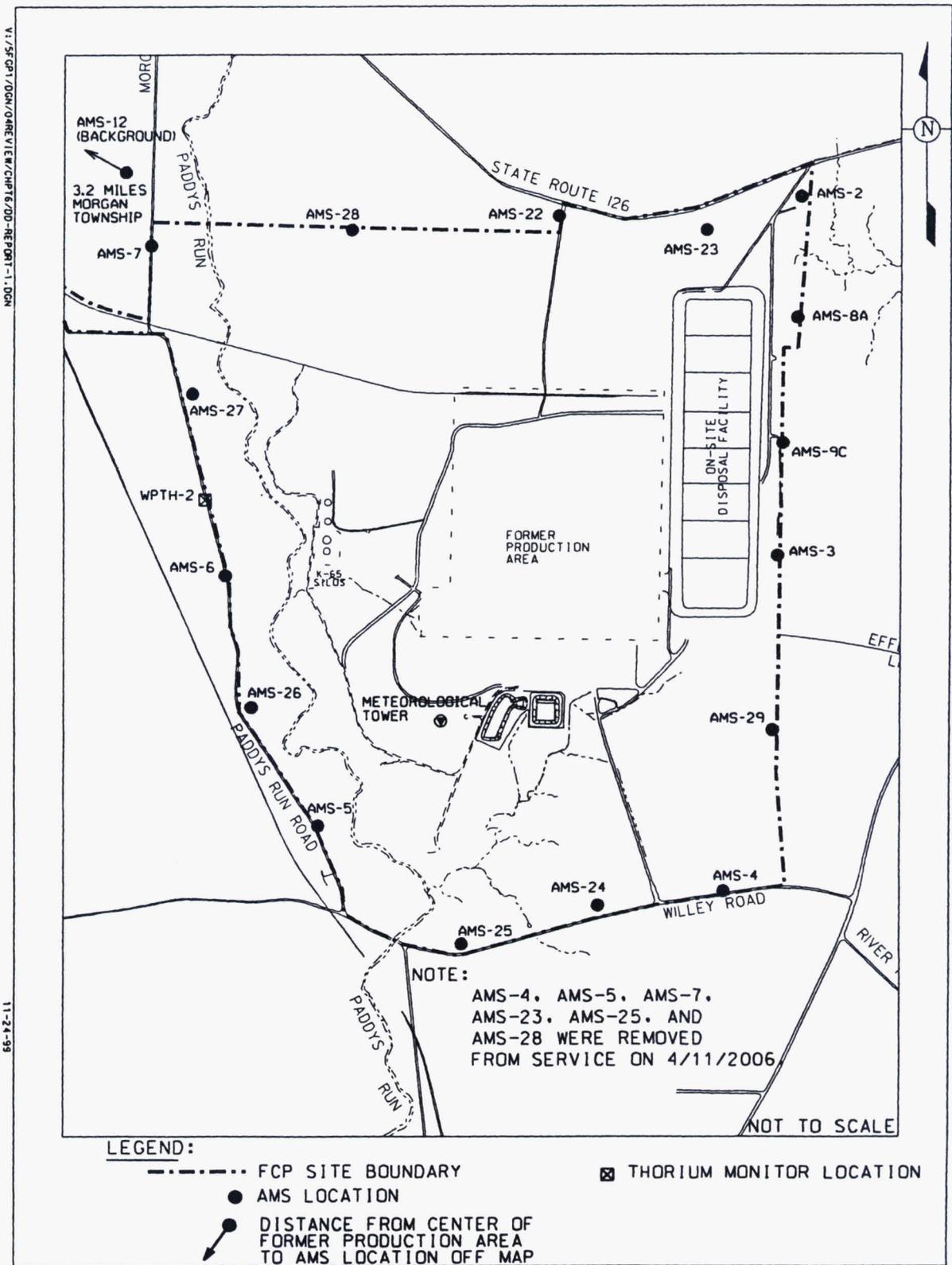


Figure 4-1 FCP Sitewide Air Monitoring Locations

**ATTACHMENT 1**

**IIMS INFORMATION**  
**(INTEGRATED INFORMATION MANAGEMENT SYSTEM)**

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## Project Detail Summary Report

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Form No	Project	Profile No	Profile Description	Location From :		Location To :		Volume	Date
				MTL Name	Typ	MTL Name	Typ		
32069	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	57	15-MAR-2006
32136	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	30	25-MAR-2006
35127	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	421	C	30	12-JAN-2006
35127	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	421	C	AR6-006	S	30	16-JAN-2006
35730	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	120	10-FEB-2006
35731	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	55	08-FEB-2006
35864	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	60	22-FEB-2006
40021	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	36	18-MAY-2006
40023	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	270	19-MAY-2006
40024	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	196	20-MAY-2006
40025	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	140	21-MAY-2006
40033	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	70	23-MAY-2006
40034	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	54	22-MAY-2006
40035	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	30	22-MAY-2006
40064	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	72	09-JUN-2006
40069	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	30	12-JUN-2006
40081	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	324	17-JUN-2006
40082	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	540	18-JUN-2006
40083	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	960	18-JUN-2006
40085	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	500	24-JUN-2006
40086	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	370	26-JUN-2006
40088	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	144	19-JUN-2006
40094	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	648	21-JUN-2006
40101	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	180	26-JUN-2006
40121	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	AR6-002	I	234	16-APR-2006
40132	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	AR6-002	I	360	18-APR-2006
40133	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	AR6-002	I	270	19-APR-2006
40133	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	55	19-APR-2006
40181	642	92000	OSDF CATEGORY 2 MATERIAL	SIS-019	F	AR6-002	I	110	18-MAY-2006
40182	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	AR6-002	I	70	19-MAY-2006
40751	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	190	26-JUN-2006
40752	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	450	27-JUN-2006

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40754	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	480	29-JUN-2006
40755	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	180	01-JUL-2006
40756	642		CONCRETE	SIS-019	F	STG-001	I	240	02-JUL-2006
40757	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	330	02-JUL-2006
40758	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	100	03-JUL-2006
40759	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	260	05-JUL-2006
40762	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	640	07-JUL-2006
40763	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	550	08-JUL-2006
40771	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	126	28-JUN-2006
40772	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	270	29-JUN-2006
40777	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	720	30-JUN-2006
40780	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	468	02-JUL-2006
40791	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	144	05-JUL-2006
40793	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	162	06-JUL-2006
40797	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	210	09-JUL-2006
40799	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	80	10-JUL-2006
40805	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	30	08-JUL-2006
40806	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	135	12-JUL-2006
40807	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-002	I	18	12-JUL-2006
40808	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	60	15-JUL-2006
40809	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	75	14-JUL-2006
40810	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	15	10-JUL-2006
40846	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	STG-001	I	600	15-JUL-2006
40855	642	92000	OSDF CATEGORY 2 MATERIAL	SIS-019	F	STG-001	I	560	16-JUL-2006
40858	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	75	11-JUL-2006
40858	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-002	I	STG-002	I	36	11-JUL-2006
65731	642	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	SIS-019	F	AR6-006	S	55	08-FEB-2006
322256	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	17-JUN-2006
322257	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	54	17-JUN-2006
322258	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	450	17-JUN-2006
322259	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	396	16-JUN-2006
322265	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
322266	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
322267	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
322268	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
322269	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006

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322270	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
322278	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	180	22-JUN-2006
322279	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	324	25-JUN-2006
322280	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	288	25-JUN-2006
322281	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	25-JUN-2006
322282	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	126	25-JUN-2006
322283	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	90	25-JUN-2006
322284	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	25-JUN-2006
322285	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	234	26-JUN-2006
322286	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	26-JUN-2006
322287	642	91000	OSDF CATEGORY 1 MATERIAL, SOIL AND SOIL-LIKE	SIS-019	F	OSDF	W	36	26-JUN-2006
322288	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	27-JUN-2006
322289	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	234	29-JUN-2006
322290	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	90	30-JUN-2006
322291	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	90	30-JUN-2006
322292	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	01-JUL-2006
322293	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	01-JUL-2006
322294	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	234	02-JUL-2006
322295	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	252	05-JUL-2006
322296	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	06-JUL-2006
322297	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	126	07-JUL-2006
323509	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	162	17-JUN-2006
323510	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	198	17-JUN-2006
323511	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	234	18-JUN-2006
323512	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	18-JUN-2006
323513	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	198	18-JUN-2006
323519	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	198	07-JUL-2006
323532	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	396	19-JUN-2006
323533	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	468	19-JUN-2006
323534	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	72	19-JUN-2006
323537	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	54	21-JUN-2006
323538	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	17-JUN-2006
323751	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	450	17-JUN-2006
323752	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	54	17-JUN-2006
323753	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	522	18-JUN-2006
323754	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	432	18-JUN-2006
323755	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	450	20-JUN-2006
323756	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	270	21-JUN-2006
323757	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	234	21-JUN-2006

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323758	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	270	21-JUN-2006
323759	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	198	24-JUN-2006
323760	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	25-JUN-2006
323761	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	198	25-JUN-2006
323762	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	594	25-JUN-2006
323763	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	26-JUN-2006
323764	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	126	27-JUN-2006
323765	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	28-JUN-2006
323766	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	126	28-JUN-2006
323767	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	72	29-JUN-2006
323768	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	90	29-JUN-2006
323769	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	162	29-JUN-2006
323770	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	01-JUL-2006
323771	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	01-JUL-2006
323772	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	108	02-JUL-2006
323773	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	324	30-JUN-2006
323774	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	90	30-JUN-2006
323775	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	180	01-JUL-2006
323776	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	72	01-JUL-2006
323777	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323778	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323779	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323780	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323781	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323782	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323783	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323784	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323785	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323786	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323787	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323788	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323789	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323790	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323791	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	15-MAY-2006
323792	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323793	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323794	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323795	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323796	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006

## Project Detail Summary Report

From 12/02/2005 To 07/17/2006

Form No	Project	Profile No	Profile Description	Location From :		Location To :		Volume	Date
				MTL Name	Typ	MTL Name	Typ		
323797	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323798	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323799	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
323800	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	18	16-MAY-2006
336186	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	36	15-JUL-2006
336243	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	216	10-JUL-2006
336244	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	108	14-JUL-2006
336245	642	91000	OSDF CATEGORY 1 MATERIAL, SOIL AND SOIL-LIKE	SIS-019	F	OSDF	W	126	17-JUL-2006
336283	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	144	02-JUL-2006
336284	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	126	03-JUL-2006
336286	642	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	SIS-019	F	OSDF	W	54	05-JUL-2006

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**ATTACHMENT 2**

**SWIFTS INFORMATION**  
**(SITE-WIDE WASTE INFORMATION FORECASTING AND TRACKING SYSTEM)**

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## SILOS 1 AND 2 REMEDIATION FACILITY SWIFTS REPORT

INV NO	PO	SRC	C	MAT	SEQ	NET	CON	INVENTORY DESCRIPTION	PRJ	MEF	TYPE	FILL DATE	STATUS
								CONTAMINATED SOLVENT OR ORGANIC CHEMICAL - STENCIL TYPE OF SOLVENT ON CONTAINER					
W246694	H000	710	K	013	0534	325	085		642	3733	NON-RCRA	14-Jun-06	ACTIVE
W232314	H000	710	K	015	0534	79	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	14-Jun-06	ACTIVE
W246609	W071	710	N	015	0532	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	07-Apr-06	ACTIVE
W246637	W071	710	N	015	0534	107	085	CONTAMINATED OIL, INSOLUBLE	642		UNCHARACTERIZED	06-Jun-06	ACTIVE
W246629	W071	710	N	015	0532	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	07-Apr-06	ACTIVE
W246678	W071	710	N	015	0532	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	07-Apr-06	ACTIVE
W247170	W071	710	N	015	0534	545	085	CONTAMINATED OIL, INSOLUBLE	642		UNCHARACTERIZED	06-Jun-06	ACTIVE
W247201	W050	710	P	015	0526	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	26-Oct-05	CONSUMED
W248863	H000	710	K	015	0534	321	050	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	14-Jun-06	ACTIVE
W247189	H000	710	K	015	0532	0	085	CONTAMINATED OIL, INSOLUBLE	642		UNCHARACTERIZED	10-Apr-06	CONSUMED
W246698	W050	710	P	015	0526	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	26-Oct-05	CONSUMED
W246683	W071	710	N	015	0532	0	085	CONTAMINATED OIL, INSOLUBLE	642	1833	NON-RCRA	07-Apr-06	ACTIVE
W220436	R000	710	K	049	0536	56	011	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	31-Jul-06	ACTIVE
W220438	R000	713	T	049	0532	0	011	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	25-Apr-06	ACTIVE
W220440	R000	710	K	049	0536	69	011	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	31-Jul-06	ACTIVE
W232181	R070	710	P	049	0534	509	085	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	05-Jun-06	TO-BE-SHIPPED
W232689	R070	710	P	049	0534	823	085	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	06-Jun-06	TO-BE-SHIPPED
W232731	R070	710	P	049	0534	421	085	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	06-Jun-06	TO-BE-SHIPPED
W232665	R070	710	P	049	0534	547	085	LEAD AND LEAD-CONTAMINATED MATERIALS	642	874	RCRA	05-Jun-06	TO-BE-SHIPPED
W232291	F000	700	K	050	0522	0	085	PCB MATERIALS, BALLAST, PCB-CONTAMINATED RAGS	642	80111	NON-RCRA	08-Jun-05	CONSUMED
W246212	R050	700	P	170	0520	0	055	ORE CONCENTRATE - MISCELLANEOUS	642	3799	RCRA	12-Apr-05	CONSUMED
								GENERAL CHEMICALS AND SOLVENT INCLUDING LAB-PACKS					
W247190	H000	710	K	613	0534	752	085		642	3733	NON-RCRA	14-Jun-06	ACTIVE
W220454	R000	713	T	626	0532	0	011	NICKEL/CADMIUM BATTERIES	642	854	RCRA	25-Apr-06	ACTIVE
W220418	R000	713	T	628	0532	0	011	LEAD BATTERIES	642	874	RCRA	25-Apr-06	ACTIVE

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**ATTACHMENT 3**

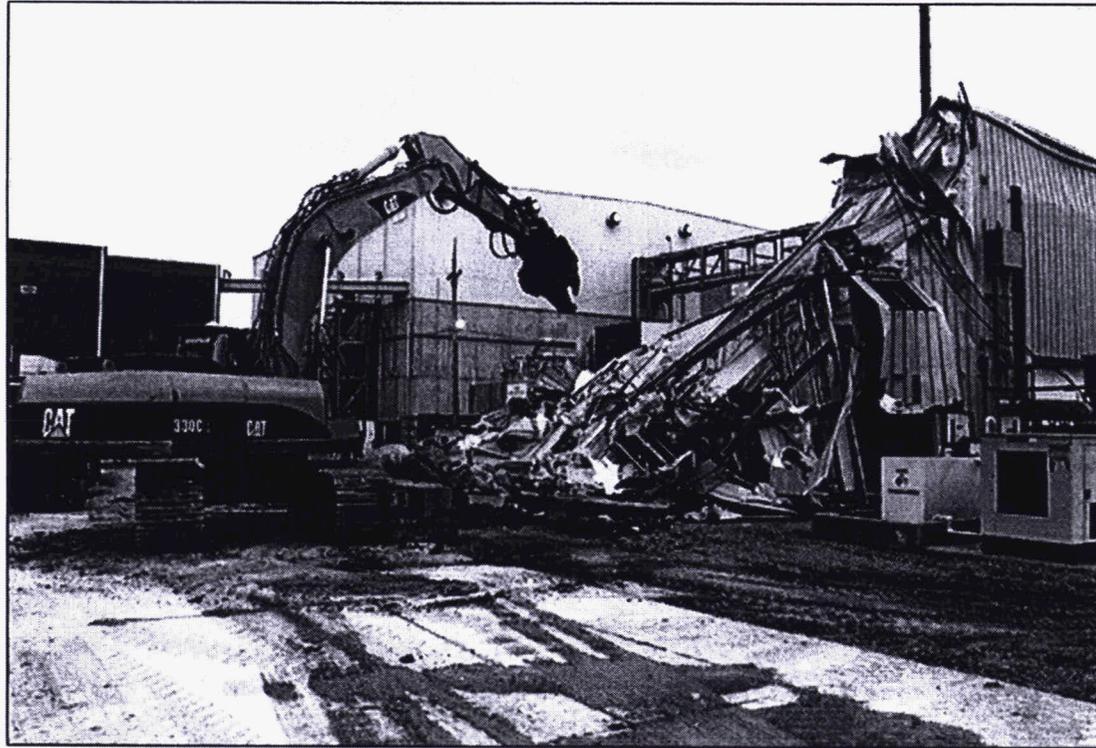
**PHOTOS**

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<b>Photo No.</b>	<b>Roll-Negative No.</b>	<b>Description</b>
1	7385D-4873	Building 94A - Structural demolition.
2	7385D-5066	Building 94B - Structural demolition.
3	7385D-5176	Building 94B - Structural demolition.
4	7385D-5236	Building 94C - Structural demolition.
5	7385D-5088	Building 94D - Structural demolition.
6	7385D-5101	Building 94E - Structural demolition.

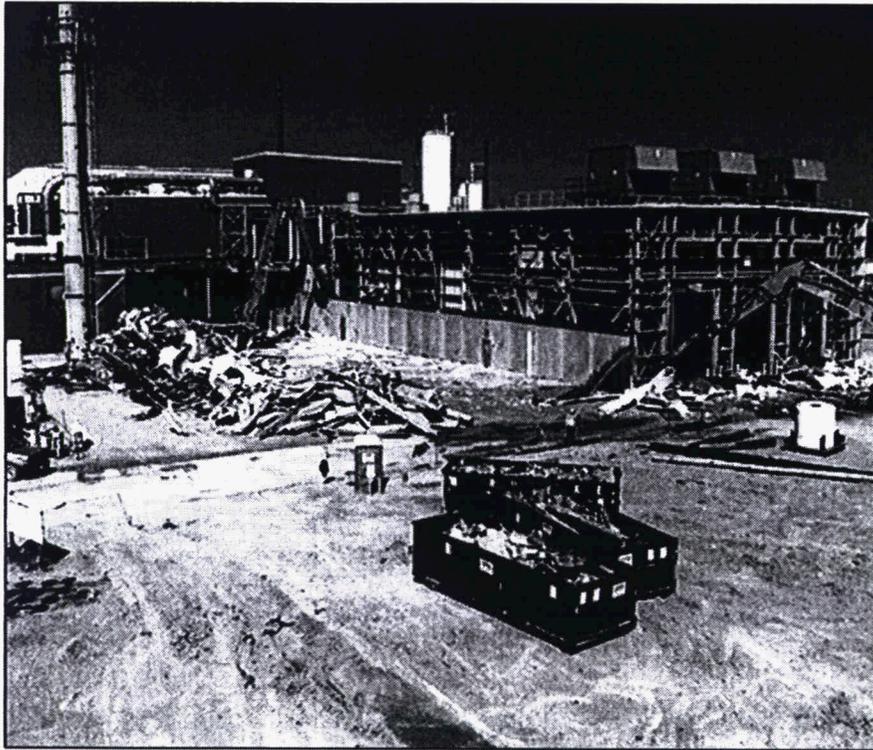
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# STRUCTURAL DEMOLITION BUILDING 94A – SILOS 1 & 2 OPERATIONS/MAINTENANCE BUILDING

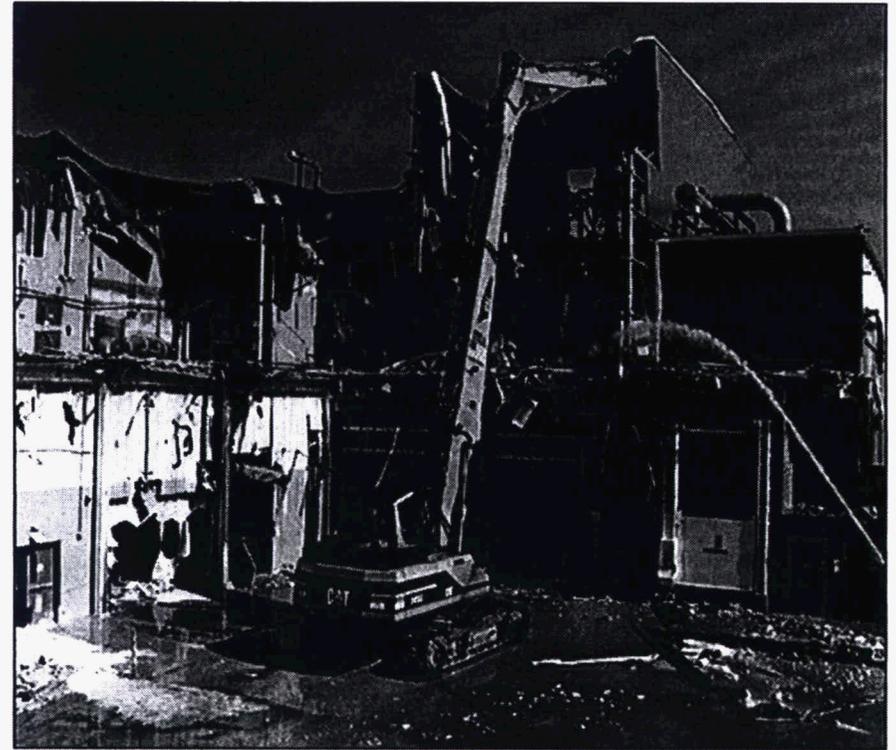


7385D-4873

# STRUCTURAL DEMOLITION BUILDING 94B – SILOS 1 & 2 REMEDIATION BUILDING



7385D-5066



7385D-5176

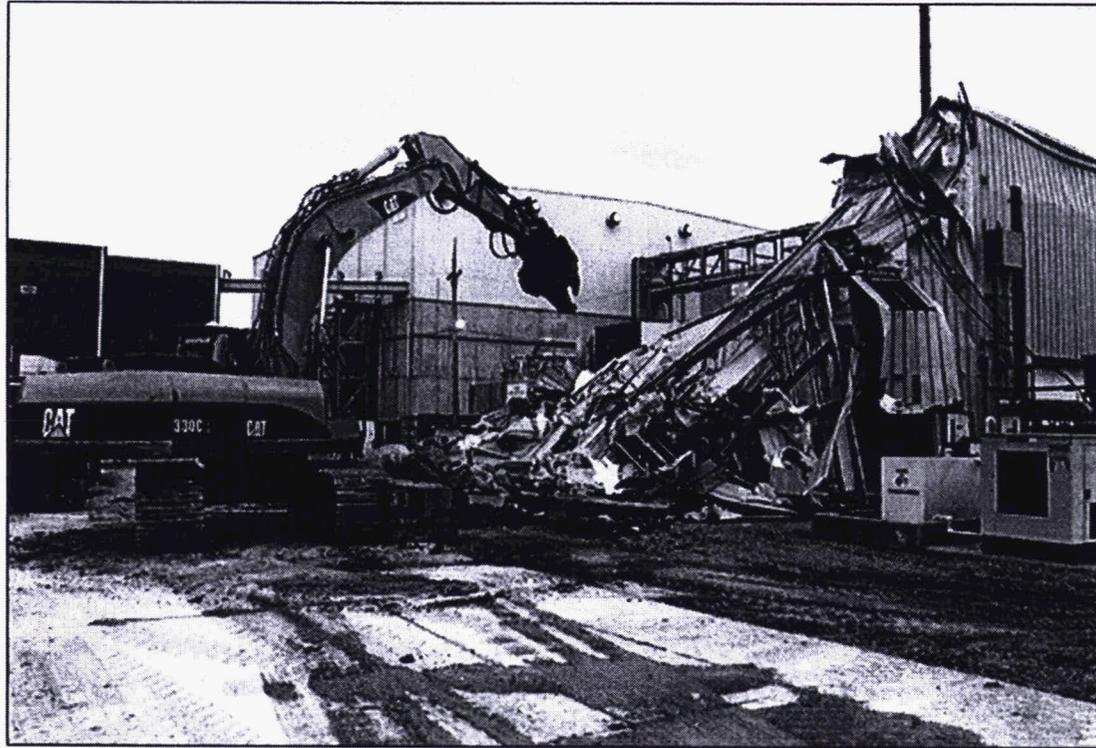
# STRUCTURAL DEMOLITION BUILDING 94D – SILOS 1 & 2 CARBON BED FACILITY



7385D-5088

# STRUCTURAL DEMOLITION

## BUILDING 94A – SILOS 1 & 2 OPERATIONS/MAINTENANCE BUILDING



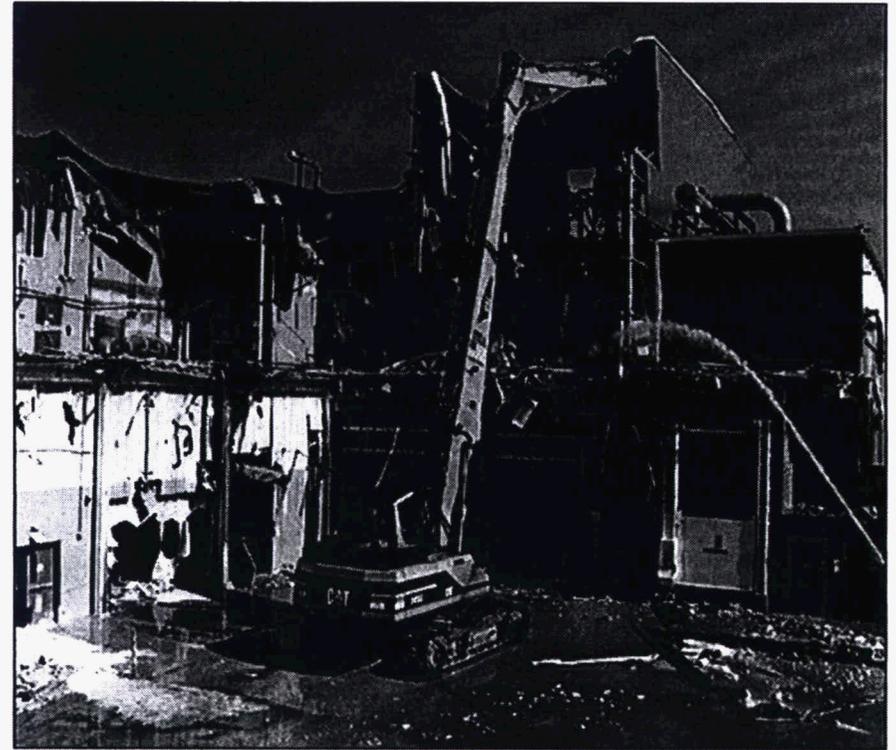
7385D-4873

# STRUCTURAL DEMOLITION

## BUILDING 94B – SILOS 1 & 2 REMEDIATION BUILDING



7385D-5066



7385D-5176

# STRUCTURAL DEMOLITION BUILDING 94D – SILOS 1 & 2 CARBON BED FACILITY



7385D-5088

# STRUCTURAL DEMOLITION BUILDING 94C – TRANSFER TANK AREA



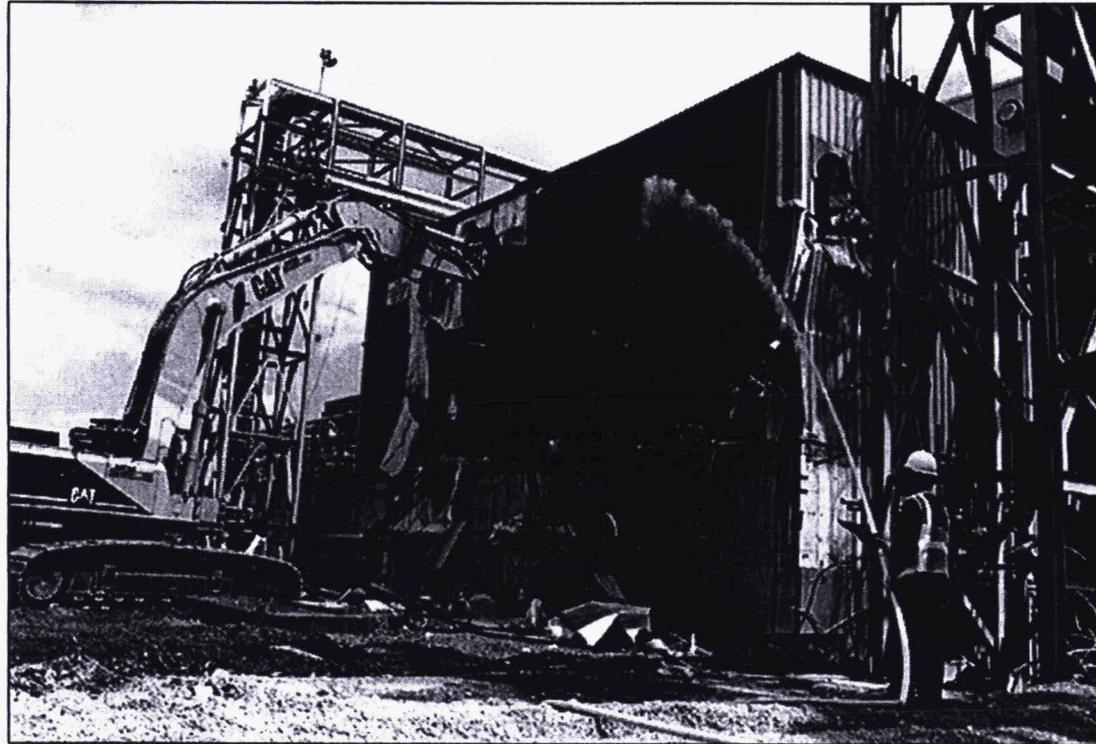
7385D-5236

# STRUCTURAL DEMOLITION BUILDING 94C – TRANSFER TANK AREA



7385D-5236

# STRUCTURAL DEMOLITION BUILDING 94E – SILOS 1 & 2 RADON CONTROL SYSTEM



7385D-5101

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