

**Department of Energy**

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SEP 26 2005

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DOE-0333-05

Mr. Thomas Schneider, Project Manager
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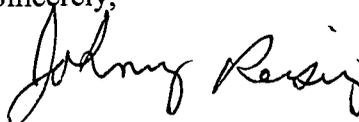
Dear Mr. Saric and Mr. Schneider:

**PROJECT COMPLETION REPORT FOR THE ADVANCED WASTEWATER
TREATMENT FACILITY DECONTAMINATION AND DISMANTLEMENT PROJECT**

Enclosed for your review and approval is the Operable Unit 3 Project Completion Report for the Advanced Wastewater Treatment Facility Decontamination and Dismantlement (D&D) Project. The regulatory commitment date for this submittal is September 27, 2005.

If you have any questions or require additional information, please contact Johnny Reising at (513) 648-3139.

Sincerely,


William J. Taylor
Director

FCP:Skintik

Mr. James A. Saric
Mr. Thomas Schneider

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DOE-0333-05

Enclosure

cc w/enclosure:

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M. Shupe, HIS GeoTrans
R. Vandergrift, ODH
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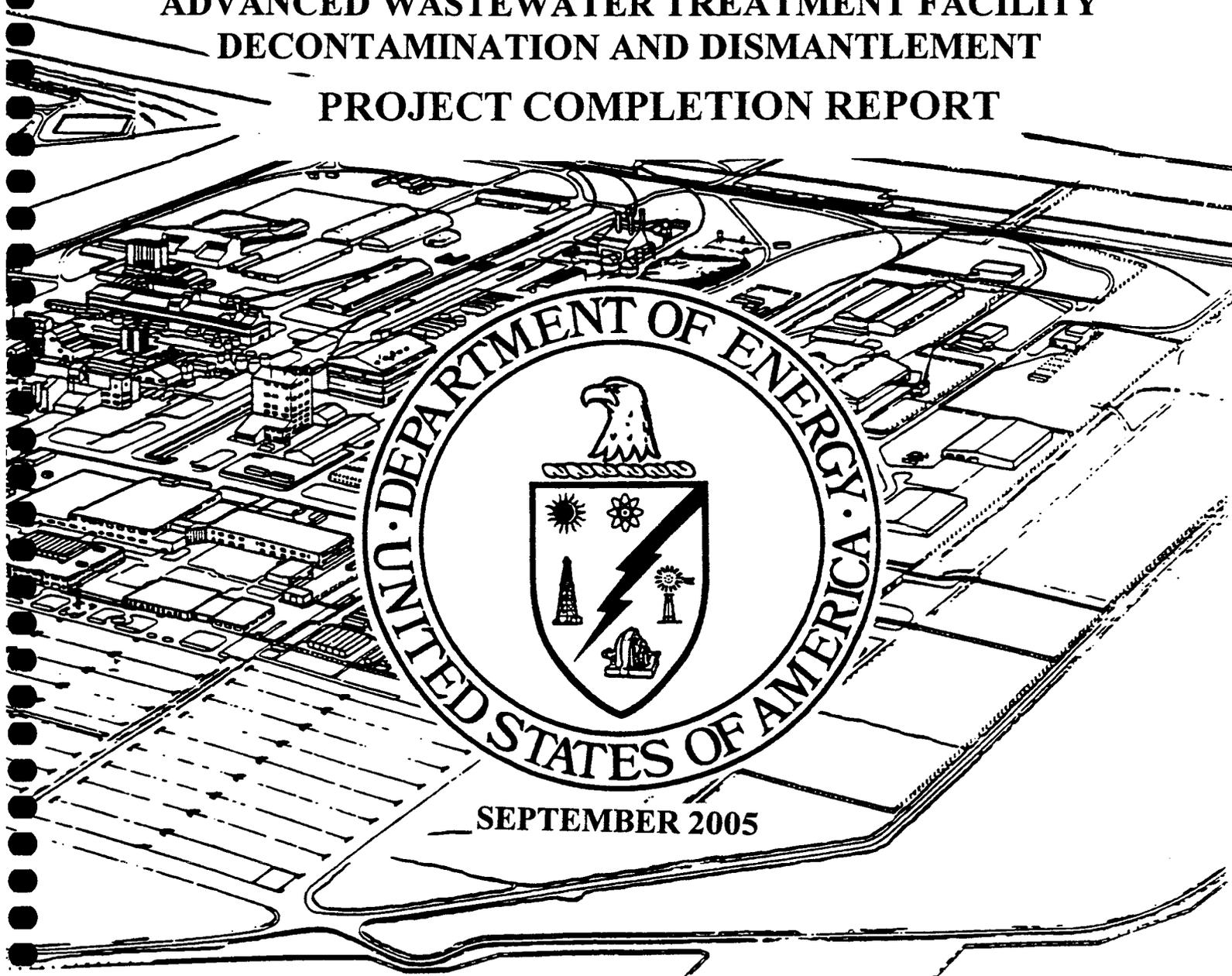
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OPERABLE UNIT 3

ADVANCED WASTEWATER TREATMENT FACILITY
DECONTAMINATION AND DISMANTLEMENT

PROJECT COMPLETION REPORT



SEPTEMBER 2005

FERNALD CLOSURE PROJECT
FERNALD, OHIO

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DOCUMENT CONTROL NO. 1789-RP-0007 (REV.0)

OPERABLE UNIT 3

PROJECT COMPLETION REPORT

ADVANCED WASTEWATER TREATMENT FACILITY (AWWT)
DECONTAMINATION AND DISMANTLEMENT PROJECT



SEPTEMBER 2005

FERNALD CLOSURE PROJECT
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PROJECT COMPLETION REPORT
ADVANCED WASTEWATER TREATMENT FACILITY (AWWT) D&D
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1.0 PROJECT SUMMARY

The decontamination and dismantlement (D&D) of the above-grade Advanced Wastewater Treatment Facility (AWWT) components was performed successfully and in accordance with the project planning/design requirements specified in the Advanced Wastewater Treatment Facility (AWWT) D&D Implementation Plan (DOE 2005). As required by the Implementation Plan, this document serves as the AWWT 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 AWWT Facility D&D Project began on March 7, 2005 with the start of pipe bridge demolition by the Fluor Fernald Self-Perform Group. Project completion was achieved on July 29, 2005 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 AWWT 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.

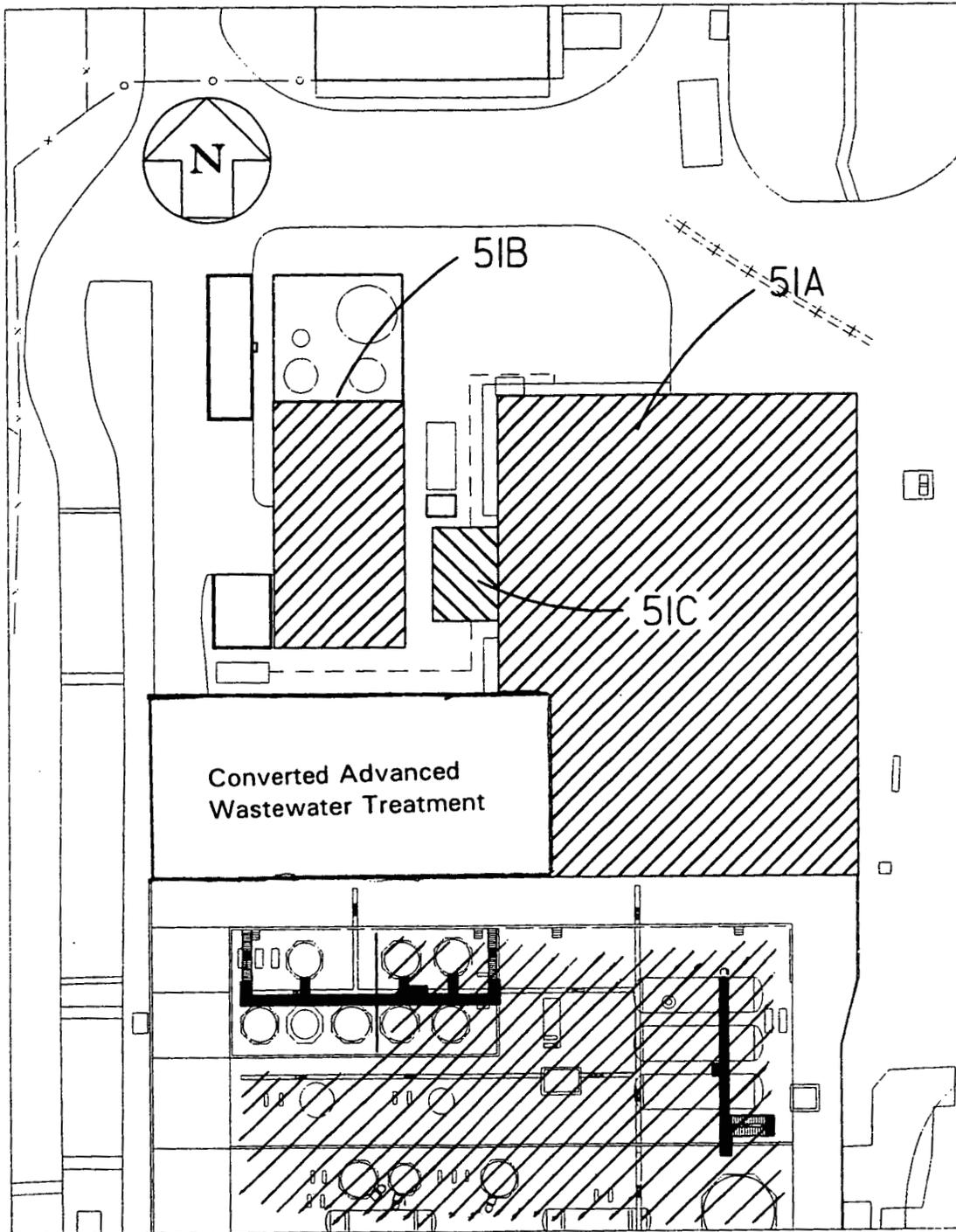
Unlike all previous site complex D&D activities at the Fernald Closure Project (FCP), a portion of Component 51A, now identified as the Converted Advanced Wastewater Treatment Facility (CAWWT) remains intact for operation after the AWWT D&D activities were completed. The floor plan (Drawing #51D-5500-M-01326 Rev. 0) for the CAWWT Facility can be found in Appendix D of the AWWT D&D Implementation Plan.

The following components were included in the scope for D&D of the AWWT Facility:

- Component 51A (partial)- Advanced Wastewater Treatment Facility
- Component 51B - Slurry Dewatering Facility
- Component 51C - AWWT Laboratory Expansion Building
- Component G-008 - AWWT Pipe Bridges

1.1 Description of Complex

The components remediated under the scope of the AWWT Facility D&D Project included the structures located in the southwest corner of the former Production Area, just southwest of the former Pilot Plant Complex location. The AWWT Facility D&D Project area is shown in Figure 1-1.



Hatched areas have been demolished.

Figure 1-1 Advanced Wastewater Treatment Facility



1.2 Project Chronology

Table 1-1 lists the chronology of above-grade D&D activities for the AWWT Facility:

TABLE 1-1 D&D Chronology

ACTIVITY	START	FINISH
Mobilization/Demobilization	3/7/05	7/29/05
Dismantlement:		
• Component 51A – Advanced Wastewater Treatment Facility	3/18/05*	7/12/05
• Component 51B – Slurry Dewatering Facility	7/18/05	7/19/05
• Component 51C – AWWT Laboratory Expansion Building	6/30/05	6/30/05
• Component G-008 – AWWT Pipe Bridges	3/7/05	3/16/05
Debris Size Reduction and Containerization:		
• Component 51A – Advanced Wastewater Treatment Facility		7/15/05
• Component 51B – Slurry Dewatering Facility		7/28/05
• Component 51C – AWWT Laboratory Expansion Building		6/30/05
• Component G-008 – AWWT Pipe Bridges		3/23/05
Completion of Field Activities (CFA)		7/29/05

* The 3/18/05 date includes the building modifications (tank removals/moves) that took place in Component 51A and the AWWT Tank Farm. Component 51A building partial structural dismantlement began on 6/25/05.

2.0 REMEDIATION APPROACH

2.1 Preparatory Actions

Facility Shutdown activities were performed by FCP personnel and were completed for each of the AWWT 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 those utilities associated with the equipment/structures being demolished.

2.2 Component-Specific Remediation Summary

2.2.1 Component 51A – Advanced Wastewater Treatment Facility

Background

Component 51A (Advanced Wastewater Treatment Facility) was a structural steel frame building with metal panel outside walls and sloped roof. From the exterior, the facility had the appearance of being two separate buildings set next to one another. The southern-most area of Component 51A measured 244 ft. from east to west, 64 ft. north to south and was a single story extending 40 ft. high. The northern-most area of Component 51A measured 124 ft. east to west, 166 ft. north to south and was five stories tall, extending 85 ft. high. Additionally, there was an exterior tank farm that measured 156 ft. by 194 ft. and was referred to as the "South Containment Area" which consisted of numerous horizontal and vertical tanks along with a network of piping and pipe bridges.

Component 51A housed the AWWT groundwater, stormwater and remediation wastewater treatment processes. Sodium hydroxide, aluminum sulfate and polymers were used in the treatment process. Water was treated through multimedia filters, carbon filters and ion exchange vessels. Component 51A contains pumps, tanks, pipes and other equipment for wastewater treatment.

As previously stated in this report, a portion of Component 51A, now identified as the Converted Advanced Wastewater Treatment Facility (CAWWT) remains intact for operation after the AWWT D&D activities were completed. This component is a smaller scale of the original Component 51A structural steel frame building and exterior tank farm.

Remedial Tasks

The portion of Component 51A to be dismantled was done using a track-hoe mounted, hydraulic shear. Component 51A dismantlement included the entire five-story, northern-most area that measured 124 ft. east to west and 166 ft north to south. Additionally, the southern-most area of Component 51A was scaled back from it's original dimensions to 120 ft. from east to west, and 60 ft. north to south as the eastern most end of this facility area was dismantled. Finally, the exterior tank farm was scaled back from its original dimensions to 45 ft. by 50 ft. as a small northwestern section of four tanks remain. The materials generated during the partial dismantlement of Component 51A included structural and miscellaneous steel, equipment and piping& conduit/wire.

Photos

Photos 1 through 3 of Attachment 3 show the following activities for the partial D&D of Component 51A:

- 1 – Building 51A High Bay structural demolition.
- 2 – Building 51A High Bay structural demolition.
- 3 – Tank Farm structural demolition.

2.2.2 Component 51B – Slurry Dewatering Facility

Background

Component 51B (Slurry Dewatering Facility) was a structural steel frame building with metal panel outside walls and a sloped roof measuring approximately 45 ft. by 85 ft. by 31 ft. high. Additionally, there was an exterior tank farm located on the north side of Component 51B that measured 45 ft. by 45 ft. and a drum storage area located on the west side that measured 20 ft. by 26 ft.

The Component 51B operations included the dewatering of sludges generated by AWWT, the New Sewage Treatment Plant and other site operations. Sodium hydroxide, lime, ferric chloride and polymers were used in the dewatering process. Component 51B contained pumps, tanks, pipes, a plate & frame filter press and other associated equipment for the dewatering process.

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Remedial Tasks

Component 51B was dismantled using a track-hoe mounted, hydraulic shear. Materials generated during the dismantlement of Component 51B included equipment, piping & conduit/wire and structural & miscellaneous steel.

Photos

There were no photos available of the Component 51B demolition activity.

2.2.3 Component 51C – AWWT Laboratory Expansion Building

Background

Component 51C (AWWT Laboratory Expansion Building) was a structural steel frame building with metal panel outside walls and a flat roof. Component 51C measured 20 ft. by 30 ft. and 17 ft. high.

Component 51C housed the analytical and chemical process laboratories associated with AWWT operations.

Remedial Tasks

Component 51C was dismantled using a track-hoe mounted, hydraulic shear. Materials generated during the dismantlement of Component 51C included equipment, piping & conduit/wire and structural & miscellaneous steel.

Photos

There were no photos available of the Component 51C demolition activity.

2.2.4 Component G-008 – AWWT Pipe Bridges

Background

The pipe bridges were steel structures that supported the steam lines and other lines required for process support activities. The pipe bridges included in the AWWT Facility were the three remaining sections of bridge located on the east side of Component 51A. Two of the sections ran in parallel from Component 51A to the former Component 19B area. Each of these sections covered a distance of approximately 80ft. One of the sections ran from the northeast end of Component 51A for an eastward distance of approximately 30 ft. then turned north and extended for a distance of approximately 80 ft.

Remedial Tasks

Component G-008 was dismantled using a track-hoe mounted, hydraulic shear. Materials generated during the dismantlement of Component G-008 included piping & conduit/wire and bridge steel.

Photos

There were no photos available of the Component G-008 demolition activity.

3.0 MATERIAL MANAGEMENT

Generated Debris

Debris generated from the D&D of the AWWT Facility 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.

Wastewater

No wastewater collection and disposition was required for the AWWT Facility D&D Project.

TABLE 3-1 Waste Containers For Placement In The OSDF

Container Type	Debris Category	Profile	OSDF Code	Volume (cu. yds.)	Number of Containers
ADT (1)	A, B, D & E	92101	2	8,718	495
ADT	A, B, D & E	92000	2	680	39
ROB (2)	I	92023	2	90	3

(1) – Articulating Dump Truck
 (2) – Roll-Off Box

TABLE 3-2 Soil Pile 7 Associated Material

Container Type	Debris Category	Profile	OSDF Code	Volume (cu. yds.)	Number of Containers
ROB	Soil Pile 7	80094 (3)	N/A	313	12

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

4.0 ENVIRONMENTAL MONITORING

Project-specific environmental monitoring for the AWWT 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 March 2005 through July 2005 indicated sporadic, short-term increases in fence line airborne uranium concentrations. The increases, which may be attributable to emissions from the D&D of the AWWT Facility, 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.

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Historical site boundary 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/m³. During the monitoring period of March 2005 through July 2005, 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 0.00026 pCi/m³, which represents less than one percent of the DOE maximum off-site guideline. The relationship between 0.1 pCi/m³ 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/m³ 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 emissions from the AWWT Facility D&D Project have not significantly affected compliance with DOE guidelines. Furthermore, the emissions from the AWWT Facility D&D Project have not significantly affected compliance with NESHAP Subpart H limit of 10 mrem per year.

The locations of site boundary (IEMP) monitors are shown in Figure 4-1. The closest downwind monitors AMS-3, AMS-8A and AMS-9C (which historically show the maximum downwind values for the site) indicated average uranium air concentrations during the D&D Projects of 0.00015, 0.0001, and 0.00013 pCi/m³ respectively. These concentrations represent less than 0.2 percent of the 0.1 pCi/m³ guideline and are within historical ranges of similar D&D projects.

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ATTACHMENT 1

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

WAO Integrated Information Management System
Project Detail Summary Report

Form No	Project	Profile No	Profile Description	Location From : MTL Name	Typ	Location To : MTL Name	Typ	Volume	Date
31787	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AR6-002	I	AWT-004	F	54	23-JUL-2005
35248	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR5-001	W	360	24-AUG-2005
31690	651	92000	OSDF CATEGORY 2 MATERIAL	AWT-004	F	AR6-002	I	40	22-JUN-2005
31610	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR6-002	I	550	13-JUL-2005
31611	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR6-002	I	90	14-JUL-2005
31613	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR6-002	I	60	15-JUL-2005
31620	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR6-002	I	660	13-JUL-2005
31920	651	92000	OSDF CATEGORY 2 MATERIAL	AWT-004	F	AR6-002	I	40	21-JUN-2005
31926	651	92000	OSDF CATEGORY 2 MATERIAL	AWT-004	F	AR6-002	I	130	23-JUN-2005
35393	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	AR6-002	I	210	20-JUL-2005
31791	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A4B-001	W	180	11-MAY-2005
31792	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A4B-001	W	72	12-MAY-2005
35404	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A4B-001	W	324	23-JUL-2005
31552	651	92000	OSDF CATEGORY 2 MATERIAL	AWT-004	F	A3A-017	S	230	26-MAY-2005
31553	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	130	01-JUN-2005
31781	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	54	14-MAR-2005
31783	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	90	23-MAR-2005
31863	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	130	21-MAY-2005
31873	651	92000	OSDF CATEGORY 2 MATERIAL	AWT-004	F	A3A-017	S	240	24-MAY-2005
31878	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	130	25-MAY-2005
31883	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	90	27-MAY-2005
31890	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	90	01-JUN-2005
31893	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	210	02-JUN-2005
31895	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	90	03-JUN-2005
31896	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	A3A-017	S	140	04-JUN-2005
31609	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	27	12-JUL-2005
31786	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	28	25-JUL-2005
31788	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	30	27-JUL-2005
31789	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	140	28-JUL-2005
31790	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	140	28-JUL-2005
31795	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	28	19-JUL-2005
31797	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	28	19-JUL-2005
35380	651	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7	AWT-004	F	AR6-006	S	10	05-AUG-2005
300256	651	92101	STAGING REQUIREMENTS	AWT-004	F	OSDF	W	30	15-JUL-2005
300257	651	92101	STAGING REQUIREMENTS	AWT-004	F	OSDF	W	18	24-MAY-2005

Project Detail Summary Report

Form No	Project	Profile No	Profile Description	Location From:	Typ	Location To:	Typ	Volume	Date
				MTL Name		MTL Name			
300258	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300259	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300260	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300261	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300262	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300263	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-MAY-2005
300264	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-MAY-2005
300265	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-MAY-2005
300266	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-MAY-2005
300267	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300268	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300269	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300270	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300271	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300272	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300274	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300275	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300276	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300277	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300278	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	21-MAY-2005
300279	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300363	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300364	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300365	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	24-MAY-2005
300445	651	92023	THIS PROFILE INCLUDES COMPRESSIBLE DEBRIS (E.G. PPE, INSULATION, ROLLS OF FENCING, CARPET, CEILING TILE, BUILT-UP ROOFING, TARPS, PLASTIC SHEETING). DEBRIS MEETING THIS PROFILE HAS BEEN GENERATED.	AWT-004	F	OSDF	W	30	27-JUL-2005
300449	651	92023	THIS PROFILE INCLUDES COMPRESSIBLE DEBRIS (E.G. PPE, INSULATION, ROLLS OF FENCING, CARPET, CEILING TILE, BUILT-UP ROOFING, TARPS, PLASTIC SHEETING). DEBRIS MEETING THIS PROFILE HAS BEEN GENERATED.	AWT-004	F	OSDF	W	30	22-JUN-2005
300450	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300451	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300452	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300453	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300454	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300455	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300456	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300457	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300458	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300459	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005
300460	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	02-JUL-2005

Project Detail Summary Report

Form No	Project	Profile No	Profile Description	Location From: MTL Name	Typ	Location To: MTL Name	Typ	Volume	Date
320811	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320812	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320848	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320849	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320850	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320851	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320852	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320853	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320891	651	92023	THIS PROFILE INCLUDES COMPRESSIBLE DEBRIS (E.G., PPE, INSULATION, ROLLS OF FENCING, CARPET, CEILING TILE, BUILT-UP ROOFING, TARPS, PLASTIC SHEETING). DEBRIS MEETING THIS PROFILE HAS BEEN GENERATED.	AWT-004	F	OSDF	W	30	07-JUL-2005
320892	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320893	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320894	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320895	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320896	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320897	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320898	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320899	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320900	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320901	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320902	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-AUG-2005
320903	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320924	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320925	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320926	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320927	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320928	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320929	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320930	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320931	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320932	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320933	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320934	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320935	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320936	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320937	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005
320938	651	92101	COMINGLED CATEGORY 'A', 'B', 'D' AND INCIDENTAL 'E' DEBRIS (OSDF CAT. 2)	AWT-004	F	OSDF	W	18	23-JUL-2005

2001

F 5991

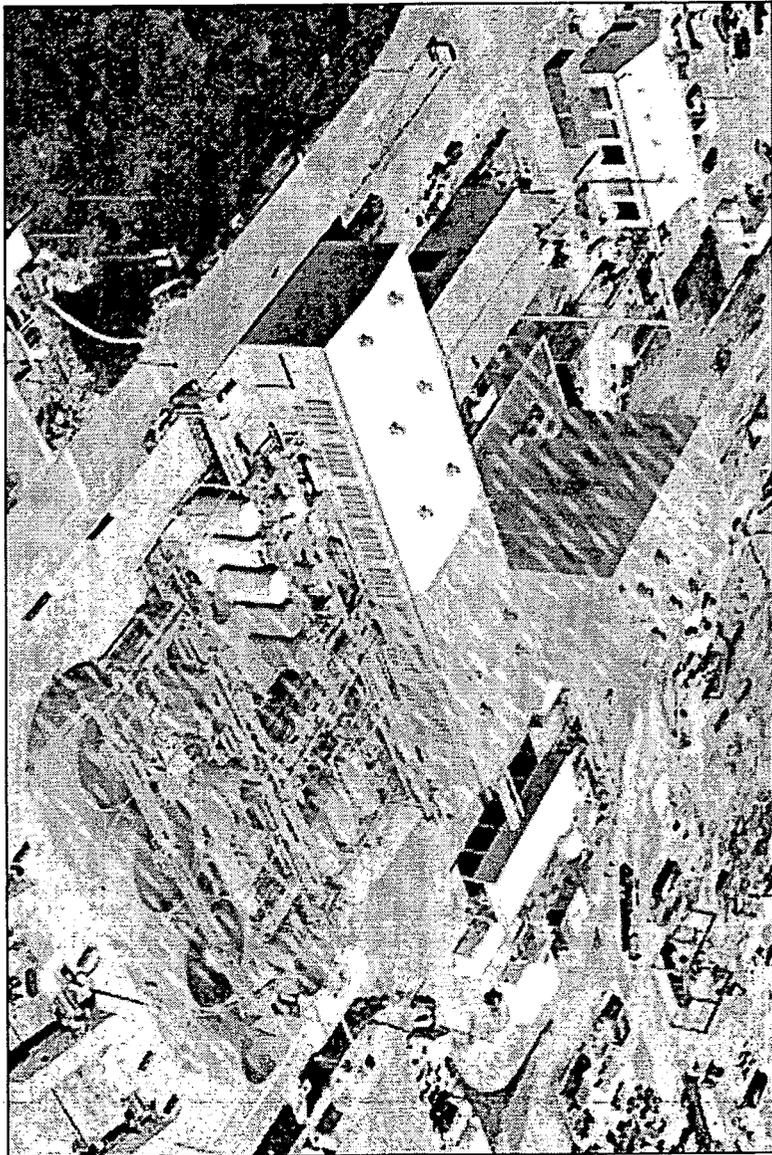
ATTACHMENT 2

PHOTOS

5991

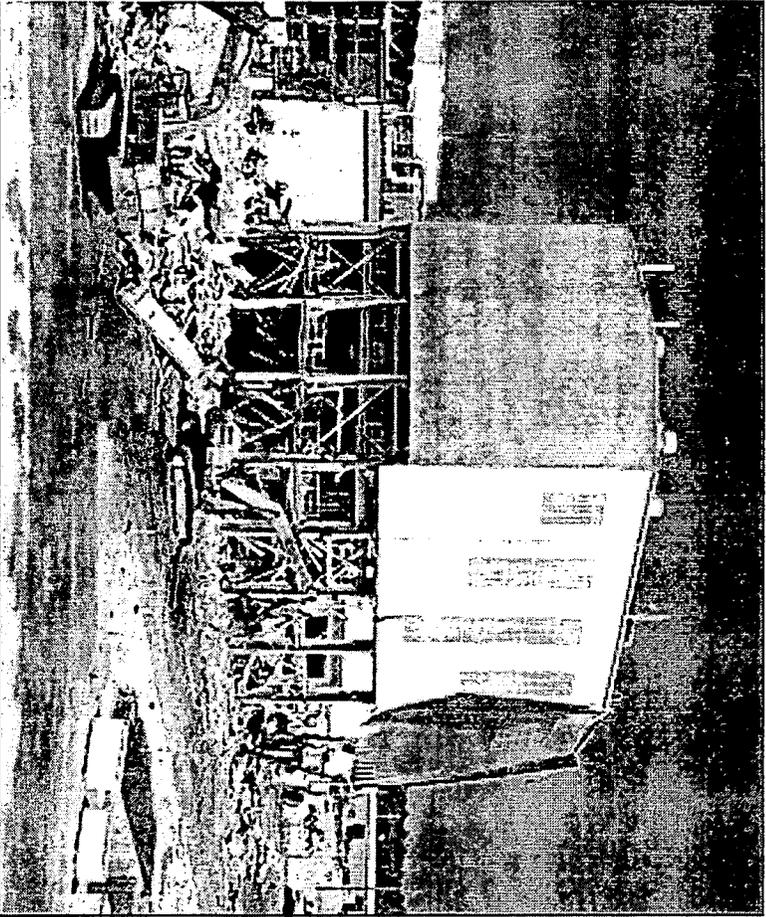
Photo No.	Roll-Negative No.	Description
1	8070D-158 Highlight AWWT	Building 51A – Advanced Wastewater Treatment Facility Note: The gray, hatched area has been demolished. Building 51A is now referred to as CAWWT and is a smaller scale of the original Component 51A structural steel frame building and exterior tank farm.
2	8097D-128	Building 51A High Bay structural demolition.
3	8097D-120	Building 51A High Bay structural demolition.
4	7177D-431	Tank Farm structural demolition.

51A - ADVANCED WASTEWATER TREATMENT FACILITY

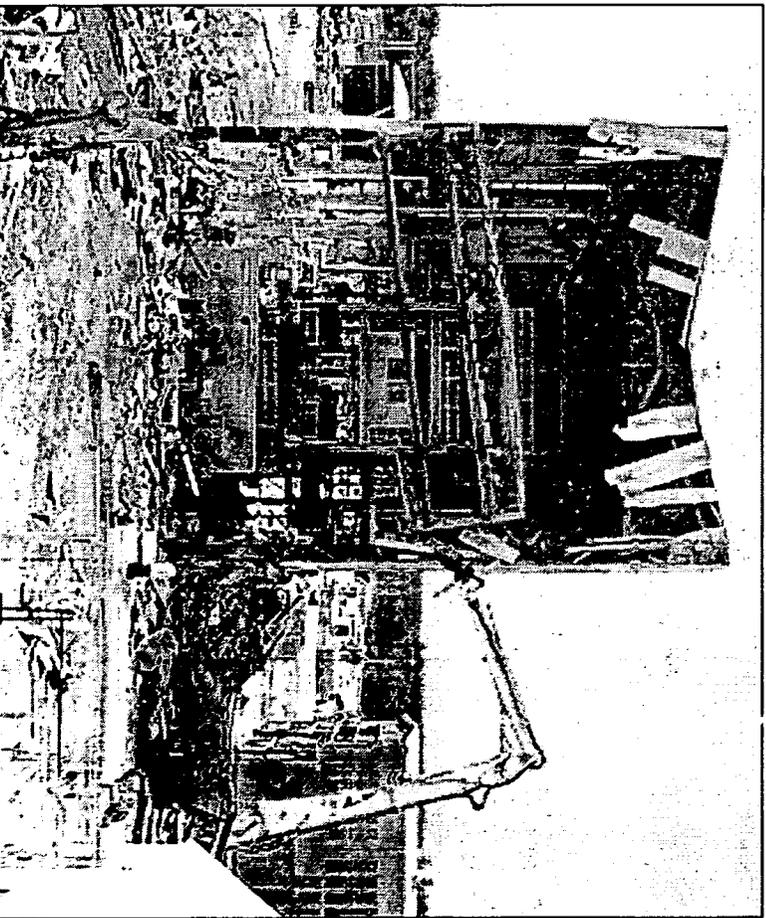


8070D-158 Highlight AWWT

HIGH BAY STRUCTURAL DEMOLITION
51A - ADVANCED WASTEWATER TREATMENT FACILITY



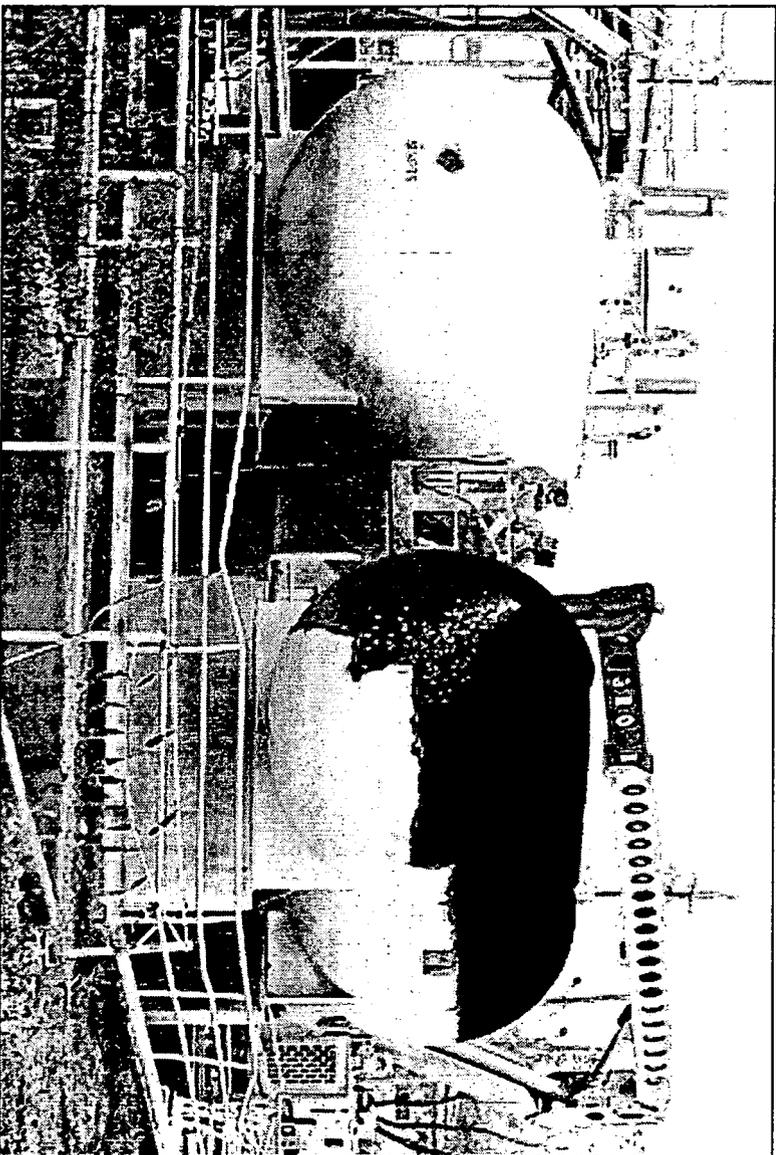
8097D-128



8097D-120

5991

**TANK FARM STRUCTURAL DEMOLITION
51A – ADVANCED WASTEWATER TREATMENT FACILITY**



7177D-431

