OPERABLE UNIT 3

PROJECT COMPLETION REPORT

MISCELLANEOUS SMALL STRUCTURES PHASE II DECONTAMINATION AND DISMANTLEMENT

OCTOBER 2006

FERNALD CLOSURE PROJECT
FERNALD, OHIO

U. S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE
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PROJECT COMPLETION REPORT

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MISCELLANEOUS SMALL STRUCTURES PHASE II

DECONTAMINATION & DISMANTLEMEMT

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1.0 PROJECT SUMMARY

The decontamination and dismantlement (D&D) of the Miscellaneous Small Structures (MSS) Phase II D&D Project was performed successfully and in accordance with the project planning/design requirements specified in the MSS Phase II Implementation Plan for Above-Grade D&D (DOE 2002). As required by the Implementation Plan, this document serves as the MSS Phase II 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 MSS Phase II D&D Project began on October 1, 2002 with demolition of the N78-1 Substation (Component 16M) and N93-1 Substation (Component 16P) by a subcontractor. Project completion was achieved by the Fluor Fernald Self-Perform Group on October 21,2006 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 MSS Phase II 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 Miscellaneous Small Structures Phase II project:

- Component 12E – Maintenance Laborer Storage Building
- Component 12F – Maintenance Laborer Storage Building
- Component 16A – Main Electrical Station
- Building 16B – Electrical Substation
- Component 16C – Electrical Panels and Transformer
- Building 16D – Main Electrical Switch House
- Component 16E – Main Electrical Transformers
- Component 16F – Trailer Substation 1
- Component 16G – Trailer Substation 2
- Component 16H – 10 Plexes North Substation
- Component 16J – 10 Plexes South Substation
- Component 16L – Northwest 34.5 KV Feeder System
- Component 16M – N78-1 Substation
- Component 16N – N93-1 Substation
- Component 16P – N93-2 Substation
- Component 18J – Sludge Mix Tank
- Component 18U – 50K Gallon Holding Tank & Injection Wells 8 thru 12

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- Component 18Y – AWWT Ozone Generation Building
- Component 18Z – Sludge Mix Tank
- Component 19B – AWWT Caustic Tank Storage
- Building 20E – Well House #1
- Building 20F – Well House #2
- Component 21A – Haul Road Wheel Wash Facility
- Component 21C – Equipment Wash Facility
- Component 22C/31B – Truck Scale
- Component 22G – Main Gate Truck Scale
- Component 23A – Meteorological Tower
- Component 24C – Locomotive Maintenance Building
- Component 24D – Railroad Inspection Pit
- Component 25C – Sewage Lift Station Building
- Component 25J – 10 Plexes Sanitary Lift Station
- Component 25K – New Sewage Treatment Plant Complex
- Component 26C – Main Electrical Substation Riser House
- Component 26D – Domestic & Fire Water Booster Station
- Component 26E – Domestic & Fire Water 400K Gallon Storage Tank
- Component 26F – Domestic & Fire Water Lift Station
- Component 28E – Guard Post Relocated to New Rail Yard
- Component 28G – Guard Post Relocated and Renamed to T-327
- Component 28H – Guard Post East of Detention Basin
- Component 28K – Security Checkpoint
- Component 28L – Guard Post on North Construction Access Road
- Component 28M – Guard Post Relocated to New Rail Yard
- Component 35A (Silo 4) – Metal Oxide Storage Tank
- Component 50 – Maintenance Storage Building
- Component 52A – RTRAK Building
- Component 52B – ASTD SDFP Building
- Component 60 – Quonset Hut 1
- Component 61 – Quonset Hut 2
- Component 82B – Fuel Loading/Unloading Building
- Component 93A – Southwest Boiler House
- Component TS-08 – Tension Support Structure #8
- Component TS-09 – WISE Fab Shop
- Component TS-10 – Nuclear Material Packaging Station #1
- Component TS-11 – Nuclear Material Packaging Station #2
- Component TS-12 – Maintenance Ground Keeping Equipment
- Component TS-13 – Maintenance Shop
- Component TS-14 – Real Time Characterization Calibration Pad
- Component G-001 – Railroad Tracks
- Component G-007 – Trailers

1.1 OSDF Wheel Wash Facility (Component 21B)

The OSDF Wheel Wash Facility (Component 21B) was a small structure not identified within any D&D Implementation Plan document. For reporting purposes, Component 21B is being identified in this project completion report. Component 21B was a roadway vehicle rinsing area measuring approximately forty by fifty feet and consisted of several tanks, pumps, water spray piping, boundary fencing and drainage grating. The Fluor Soils Group removed Component 21B and dispositioned all related debris in December 2001 as part of the ongoing OSDF activities.

1.2 MSS Phase II Structures to Remain as Post Completion Structures

The Restored Area Maintenance Building (Component 12G) and Security Checkpoint (Component 28J) were identified as structures for dismantlement in the MSS Phase II Implementation Plan (Final). Additionally, the Dissolved Oxygen Facility Substation (Component 16K), South Plume Interim Treatment Building (Component 18Q*), Dissolved Oxygen Facility Warehouse (Component 18P), Outfall Line Pit (Component 18R) and FEMP Telecommunications Building (23B) were identified as structures for dismantlement in the MSS Phase II Implementation Plan (Amendment #1). These six components have since been identified as "Post Completion Structures" which means they will remain in place upon completion of site D&D activities. As a result, no further details about Components 12G, 16K, 18Q, 18R, 23B and 28J will be included in this project completion report. In addition, Amendment #4 to the MSS Phase II Implementation Plan identified the railroad trestle for dismantlement. The railroad trestle is now also a Post Completion Structure for which no further information is provided.

* Component 18Q has been scaled down but continues to operate as the South Plume Interim Treatment Building.

1.3 Truck Scale (Component 22C) and Old Truck Scale Foundation and Out Building (Component 31B)

Upon investigation, it was discovered that the Truck Scale (Component 22C) and the Old Truck Scale Foundation and Out Building (Component 31B) were the same truck scale. At some point in the 1990's Component 31B was renamed to Component 22C. Therefore, from now forward, this project completion report will refer to the "Truck Scale" as "Component 22C/31B" and "Old Truck Scale Foundation and Out Building" will no longer be used.

1.4 Location of the MSS Phase II D&D Project Area

The MSS Phase II D&D components were located throughout the site as shown in Figure 1-1.

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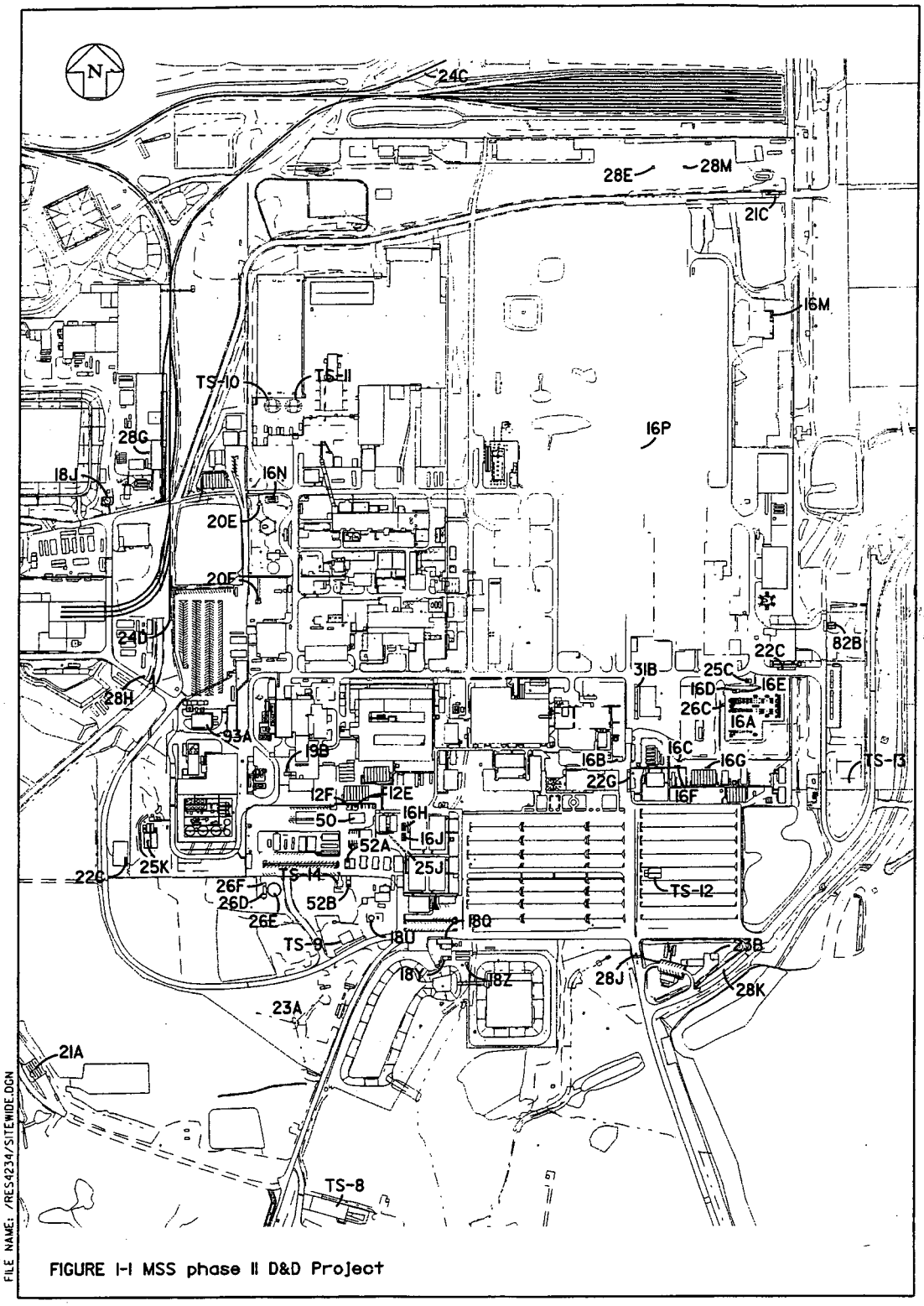

Figure 1-1 MSS Phase II D&D Project

1.5 Project Chronology

Table 1-1 lists the chronology of above-grade D&D activities for the MSS Phase II Project:

TABLE 1-1 D&D Chronology

ACTIVITY	START	FINISH
Mobilization/Demobilization	10/1/02	10/21/06
Dismantlement:		
• Component 12E – Maintenance Labor Storage Building	3/1/05	3/1/05
• Component 12F – Maintenance Laborer Storage Building	3/1/05	3/1/05
• Component 16A – Main Electrical Station	6/2/05	6/10/05
• Building 16B – Electrical Substation	7/19/04	8/2/04
• Component 16C – Electrical Panels and Transformer	6/8/05	6/8/05
• Building 16D – Main Electrical Switch House	5/23/05	5/23/05
• Component 16E – Main Electrical Transformer	6/8/05	6/8/05
• Component 16F – Trailer Substation 1	7/26/04	7/26/04
• Component 16G – Trailer Substation 2	7/26/04	7/26/04
• Component 16H – 10 Plexes North Substation	5/19/05	5/19/05
• Component 16J – 10 Plexes South Substation	5/19/05	5/19/05
• Component 16L – Northwest 34.5 KV Feeder System	3/25/06	3/25/06
• Component 16M – N78-1 Substation	10/1/02	10/8/02
• Component 16N – N93-1 Substation	8/15/03	8/15/03
• Component 16P – N93-2 Substation	10/1/02	10/8/02
• Component 18J – Sludge Mix Tank	10/31/05	11/4/05
• Component 18U – 50K Gal Holding Tank & Wells 8 thru 12	10/7/05	11/10/05
• Component 18Y – AWWT Ozone Generation Building	1/30/06	2/1/06
• Component 18Z – Sludge Mix Tank	1/23/06	2/2/06
• Component 19B – AWWT Caustic Storage Tank	11/11/04	3/8/05
• Building 20E – Well House #1	12/2/04	1/7/05
• Building 20F – Well House #2	12/6/04	9/7/05
• Component 21A – Haul Road Wheel Wash Facility	10/22/04	11/4/04
• Component 21C – Equipment Wash Facility	11/1/02	11/30/02
• Component 22C/31B – Truck Scale	6/22/06	9/6/06
• Component 22G – Main Gate Truck Scale	7/20/04	7/20/04
• Component 23A – Meteorological Tower	6/16/06	6/16/06
• Component 24C – Locomotive Maintenance Building	12/7/05	12/7/05
• Component 24D – Railroad Inspection Pit	2/24/06	2/24/06
• Component 25C – Sewage Lift Station Building	5/27/05	5/27/05
• Component 25J – 10 Plexes Sanitary Lift Station	5/19/05	5/19/05
• Component 25K – New Sewage Treatment Plant Complex	6/21/05	7/11/05
• Component 26C – Main Electrical Substation Riser House	5/27/05	5/27/05
• Component 26D – Domestic & Fire Water Booster Station	7/14/06	7/14/06
• Component 26E – Domestic & Fire Water 400K Gallon Tank	7/14/06	7/14/06
• Component 26F – Domestic & Fire Water Lift Station	8/11/06	8/18/06
• Component 28E – Guard Post Relocated to New Rail Yard	7/14/05	7/15/05
• Component 28G – Guard Post Relocated/Renamed T-327	4/4/06	4/4/06
• Component 28H – Guard Post East of Detention Basin	6/28/06	6/28/06
• Component 28K – Security Checkpoint	12/27/05	12/27/05
• Component 28L – Guard Post on N. Construction Access Road	7/14/05	7/15/05
• Component 28M – Guard Post Relocated to New Rail Yard	7/14/05	7/15/05
• Component 35A (Silo 4) – Metal Oxide Storage Tank	2/24/04	3/20/04
• Component 50 – Maintenance Storage Building	2/28/05	3/1/05
• Component 52A – RTRAK Building	2/22/05	2/22/05
• Component 52B – ASTD SDFP Building	2/21/05	2/21/05
• Component 60 – Quonset Hut 1	6/29/04	8/12/04
• Component 61 – Quonset Hut 2	6/29/04	8/23/04
• Component 82B – Fuel Loading/Unloading Building	1/14/04	1/23/04

ACTIVITY	START	FINISH
• Component 93A – Southwest Boiler House	3/16/05	7/24/05
• Component TS-08 – Tension Support Structure #8	11/17/04	12/10/04
• Component TS-09 – WISE Fab Shop	5/27/06	5/27/06
• Component TS-10 – Nuclear Material Packaging Station #1	7/18/03	7/18/03
• Component TS-11 – Nuclear Material Packaging Station #2	7/18/03	7/18/03
• Component TS-12 – Maintenance Ground Keeping Equipment	11/12/04	11/17/04
• Component TS-13 – Maintenance Shop	10/18/06	10/18/06
• Component TS-14 – Real Time Characterization Calibration Pad	12/27/04	12/27/04
• Component G-001 – Rail Tracks	6/6/06	10/20/06
• Component G-007 – Trailers (Sitewide)	7/19/04	10/20/06
Debris Size Reduction and Containerization:		
• Component 12E – Maintenance Labor Storage Building		3/9/05
• Component 12F – Maintenance Laborer Storage Building		3/9/05
• Component 16A – Main Electrical Station		6/17/05
• Building 16B – Electrical Substation		8/2/04
• Component 16C – Electrical Panels and Transformer		6/8/05
• Building 16D – Main Electrical Switch House		6/9/05
• Component 16E – Main Electrical Transformer		6/9/05
• Component 16F – Trailer Substation 1		7/26/04
• Component 16G – Trailer Substation 2		7/26/04
• Component 16H – 10 Plexes North Substation		5/26/05
• Component 16J – 10 Plexes South Substation		5/26/05
• Component 16L – Northwest 34.5 KV Feeder System		3/25/06
• Component 16M – N78-1 Substation		10/9/02
• Component 16N – N93-1 Substation		8/19/03
• Component 16P – N93-2 Substation		10/9/02
• Component 18J – Sludge Mix Tank		11/11/05
• Component 18U – 50K Gal Holding Tank & Wells 8 thru 12		11/14/05
• Component 18Y – AWWT Ozone Generation Building		2/7/06
• Component 18Z – Sludge Mix Tank		2/7/06
• Component 19B – AWWT Caustic Storage Tank		3/23/05
• Building 20E – Well House #1		1/7/05
• Building 20F – Well House #2		9/26/05
• Component 21A – Haul Road Wheel Wash Facility		12/1/04
• Component 21C – Equipment Wash Facility		11/30/02
• Component 22C/31B – Truck Scale		9/6/06
• Component 22G – Main Gate Truck Scale		N/A
• Component 23A – Meteorological Tower		6/16/06
• Component 24C – Locomotive Maintenance Building		12/7/05
• Component 24D – Railroad Inspection Pit		2/24/06
• Component 25C – Sewage Lift Station Building		6/13/05
• Component 25J – 10 Plexes Sanitary Lift Station		5/26/05
• Component 25K – New Sewage Treatment Plant Complex		7/11/05
• Component 26C – Main Electrical Substation Riser House		8/26/03
• Component 26D – Domestic & Fire Water Booster Station		7/17/06
• Component 26E – Domestic & Fire Water 400K Gallon Tank		7/17/06
• Component 26F – Domestic & Fire Water Lift Station		8/18/06
• Component 28E – Guard Post Relocated to New Rail Yard		7/15/05
• Component 28G – Guard Post Relocated/Renamed T-327		4/4/06
• Component 28H – Guard Post East of Detention Basin		6/28/06
• Component 28K – Security Checkpoint		12/27/05
• Component 28L – Guard Post on N. Construction Access Road		7/15/05
• Component 28M – Guard Post Relocated to New Rail Yard		7/15/05

ACTIVITY	START	FINISH
• Component 35A (Silo 4) – Metal Oxide Storage Tank		3/22/04
• Component 50 – Maintenance Storage Building		3/4/05
• Component 52A – RTRAK Building		3/4/05
• Component 52B – ASTD SDFP Building		3/4/05
• Component 60 – Quonset Hut 1		8/16/04
• Component 61 – Quonset Hut 2		8/25/04
• Component 82B – Fuel Loading/Unloading Building		1/27/04
• Component 93A – Southwest Boiler House		7/27/05
• Component TS-08 – Tension Support Structure #8		12/18/04
• Component TS-09 – WISE Fab Shop		5/27/06
• Component TS-10 – Nuclear Material Packaging Station #1		7/18/03
• Component TS-11 – Nuclear Material Packaging Station #2		7/18/03
• Component TS-12 – Maintenance Ground Keeping Equipment		11/18/04
• Component TS-13 – Maintenance Shop		10/18/06
• Component TS-14 – Real Time Characterization Calibration Pad		11/28/05
• Component G-001 – Rail Tracks		10/21/06
• Component G-007 – Trailers (Sitewide)		10/21/2006
Completion of Field Activities (CFA)		10/21/06

2.0 REMEDIATION APPROACH

2.1 Preparatory Actions

Facility Shutdown activities were performed by FCP personnel and were completed for each of the MSS Phase II 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 12E – Maintenance Laborer Storage Building

Background
Component 12E (Maintenance Laborer Storage Building) was a single-story structure that was approximately twenty feet by twenty feet and twelve feet high. It consisted of steel siding on a steel frame.

Component 12E housed equipment and tools for the Maintenance Group.
Remedial Tasks
Component 12E was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 12E included structural and miscellaneous steel, equipment, piping and conduit/wire.

Photos

There were no photos available of the Component 12E demolition activity.

2.2.2 Component 12F – Maintenance Laborer Storage Building

Background
Component 12F (Maintenance Laborer Storage Building) was a single-story structure that was approximately twenty feet by twenty feet and twelve feet high. It consisted of steel siding on a steel frame.

Component 12F housed equipment and tools for the Maintenance Group.

Remedial Tasks
Component 12F was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 12F included structural and miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 12F demolition activity.

2.2.3 Component 16A – Main Electrical Station

Background
Component 16A (Main Electrical Station) covered an area approximately 200 by 200 feet that was primarily covered with gravel. Some of the electrical equipment, transformers and oil circuit breakers were mounted on concrete pads.

Component 16A provided the main electrical feed for the FEMP site. The station received 132 kV feeds from off-site, transformed the electricity to 13.2 kV and fed the power to local substations around the facility. The only anticipated contaminants for Component 16A were PCB's.

Remedial Tasks
Component 16A PCB materials were removed prior to the start of demolition. Component 16A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16A included structural and miscellaneous steel, concrete, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16A demolition activity.

2.2.4 Building 16B – Electrical Substation

Background
Building 16B (Electrical Substation) was a cinder block building with a concrete floor and metal sheet roof measuring approximately 20 by 42 feet.

Building 16B was a secondary unit substation that received 13.2 kV and transformed it down to 480 V power. The only anticipated contaminants for Building 16B were PCB's.

Remedial Tasks
Building 16B PCB materials were removed prior to the start of demolition. Building 16B was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 16B included cinder block, miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Building 16B demolition activity.

2.2.5 Component 16C – Electrical Panels and Transformer

Background
Component 16C (Electrical Panels and Transformer) was a wooden, two-sided structure on a concrete pad that was approximately four by twenty feet. It sheltered a transformer and electrical meter.

Component 16C was used as a secondary unit substation that received 480 V and transformed it down to 208 V to provide electrical power to the east trailers. The only anticipated contaminants for Component 16C were PCB's.

Remedial Tasks
Component 16C PCB materials were removed prior to the start of demolition. Component 16C was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16C included wood, miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16C demolition activity.

2.2.6 Building 16D – Main Electrical Switch House

Background
Building 16D (Main Electrical Switch House) was a cinder block building with a concrete floor and transite roof measuring approximately fifteen by thirty feet. The building contained the electrical switching equipment and a group of lead-acid batteries used as a back-up power supply.

Building 16D was the main electrical switch house for the site. The equipment in this building monitored and directed the electricity to the various substations around the site.

Remedial Tasks
Building 16D was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 16D included cinder block, transite, miscellaneous steel, electrical equipment, piping, and conduit/wire.

Photos

There were no photos available of the Building 16D demolition activity.

2.2.7 Component 16E – Main Electrical Transformers

Background
Component 16E (Main Electrical Transformers) was the main site electrical transformers located on a concrete pad that measured approximately ten by 25 feet.

Component 16E received the 132-kV main electrical feed and transformed it to 13.2-kV feeds to local substations around the facility. The only anticipated contaminants for Component 16E were PCB's.

Remedial Tasks
Component 16E PCB materials were removed prior to the start of demolition. Component 16E was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16E included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16E demolition activity.

2.2.8 Component 16F – Trailer Substation 1

Background
Component 16F (Trailer Substation 1) was an electrical substation located on a concrete pad that measured approximately four by twenty feet. A fiberglass enclosure housed the transformer, main circuit breaker, fuse disconnect and electrical meters.

Component 16F was a power distribution point that received 480V from the Electrical Substation (Component 16B) and transformed it down to 208V to power the local office trailers. The only anticipated contaminants for Component 16B were PCB's.
Remedial Tasks
Component 16F PCB materials were removed prior to the start of demolition. Component 16F was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16F included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16F demolition activity.

2.2.9 Component 16G – Trailer Substation 2

Background
Component 16G (Trailer Substation 2) was an electrical substation located on a concrete pad that measured approximately four by twenty feet. A fiberglass enclosure housed the transformer, main circuit breaker, fuse disconnect and electrical meters.

Component 16G was a power distribution point that received 480V from the Electrical Substation (Component 16B) and transformed it down to 208V to power the local office trailers. The only anticipated contaminants for Component 16G were PCB's.

Remedial Tasks
Component 16G PCB materials were removed prior to the start of demolition. Component 16G was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16G included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16G demolition activity.

2.2.10 Component 16H – 10 Plexes North Substation

Background
Component 16H (10 Plexes North Substation) was an electrical substation located on a concrete pad that measured approximately fifteen by 31 feet.

Component 16H was a power distribution point for Trailers 76 and 77.

Remedial Tasks
Component 16H was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16H included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16H demolition activity.

2.2.11 Component 16J – 10 Plexes South Substation

Background
Component 16J (10 Plexes South Substation) was an electrical substation located on a concrete pad that measured approximately fifteen by 31 feet.

Component 16J was a power distribution point for Trailers 80 and 81.

Remedial Tasks
Component 16J was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16J included miscellaneous steel, equipment, piping and conduit/wire.
Photos
There were no photos available of the Component 16J demolition activity.

2.2.12 Component 16L – Northwest 34.5 KV Feeder System

Background

Component 16L (Northwest 34.5 KV Feeder System) was an electrical feeder that measured approximately ten by eight and six feet high. Component 16L rested on a poured concrete pad.

Component 16L was the electrical substation used to provide power for operation of Silo 3 and miscellaneous trailers.

Remedial Tasks
Component 16L was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16L included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16L demolition activity.

2.2.13 Component 16M – N78-1 Substation

Background
Component 16M (N78-1 Substation) was an electrical substation located in the north east quadrant of the former production area.

Component 16M was used as a power source for Building 78 and construction in the OMTA staging area.

Remedial Tasks
Component 16M was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16M included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16M demolition activity.

2.2.14 Component 16N – N93-1 Substation

Background
Component 16N (N93-1 Substation) was an electrical substation located in the former Plant 1 area.

Component 16N was used as a power source for the remaining Plant 1 Buildings that were demolished under Phase II of that project along with the haul road trailers and the west side water tower.
Remedial Tasks
Component 16N was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16N included miscellaneous steel, equipment, piping and conduit/wire.

Photos

There were no photos available of the Component 16N demolition activity.

2.2.15 Component 16P – N93-2 Substation

Background
Component 16P (N93-2 Substation) was an electrical substation located in the former Plant 9 area.

Component 16P was used as a power source for the former Plant 9 area and the Thorium Warehouses, Building 64 and 65.

Remedial Tasks
Component 16P was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 16P included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 16P demolition activity.

2.2.16 Component 18J – Sludge Mix Tank

Background
Component 18J (Sludge Mix Tank) was a 54,000-gallon vertical steel tank that measured 18 feet tall and 24 feet in diameter. Component 18J rested on a poured concrete pad. Component 18J was used as a collection point for sludge from the east and west Storm Water Retention Basins.

Remedial Tasks
Component 18J was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 18J included miscellaneous steel, piping and conduit/wire.

Photos
There were no photos available of the Component 18J demolition activity.

2.2.17 Component 18U – 50K Gallon Holding Tank and Injection Wells 8 thru 12

Background
Component 18U (50 K Gallon Holding Tank and Injection Wells 8 thru 12) was a 50,000-gallon vertical steel tank measuring 24 feet tall and twenty feet in diameter. The tank rested on a poured concrete pad.

Component 18U was used as a holding tank for treated clean water that was re-injected back into the wells.

Remedial Tasks

Component 18U was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 18U included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 18U demolition activity.

2.2.18 Component 18Y – AWWT Ozone Generation Building

Background
Component 18Y (AWWT Ozone Generation Building) was a single story, metal frame building that measured twenty feet by sixteen feet and twelve feet high with a flat roof. Exterior equipment associated with Component 18Y that was dismantled as part of the overall 18Y D&D included miscellaneous pumps, piping and a 3,760-gallon fiberglass tank that measured ten feet tall with an eight foot diameter.

Component 18Y housed the equipment that generated ozone for use at the AWWT Facility.

Remedial Tasks
Component 18Y was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 18Y included structural and miscellaneous steel, the fiberglass tank, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 18Y demolition activity.

2.2.19 Component 18Z – Sludge Mix Tank

Background
Component 18Z (Sludge Mix Tank) was a 24,000-gallon vertical steel tank that measured thirty feet tall and twelve feet in diameter. Component 18Z rested on a poured concrete pad.

Component 18Z was used as a holding tank for contaminated sludge from the AWWT process.

Remedial Tasks
Component 18Z was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 18Z included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 18Z demolition activity.

2.2.20 Component 19B – AWWT Caustic Tank Storage

Background

Component 19B (Caustic Tank Storage) included an 18,800-gallon vertical steel tank measuring approximately 32 feet long and ten feet in diameter. The tank rested on a concrete pad.

The AWWT Caustic Tank Storage area was used to store caustic for the AWWT process.

Although not identified in the MSS Phase II Implementation Plan Amendment #1, Component 19B included two stainless steel horizontal tanks that were approximately the same size as the vertical steel tank and a structural steel frame canopy that measured approximately fifty feet long, 25 feet wide and stood approximately thirty feet tall. The canopy consisted of five metal I-beams that were spaced approximately ten feet apart on each side of the canopy (for a total length of fifty feet). The canopy had a sloped metal frame roof and metal side panels that extended down from the roof approximately fifteen feet. The base frame of the canopy (approximately fifteen feet) had no metal side panels.

Remedial Tasks
The Component 19B vertical steel tank and canopy were demolished using a track hoe mounted shear. The two horizontal stainless steel tanks were demolished via torch cutting. Materials generated during dismantlement of Component 19B included structural and miscellaneous steel, equipment, piping and conduit/wire.

Photos
Photos 1 and 2 of Attachment 3 show the following activities for the D&D of Component 19B.

1 – Component 19B Structural Demolition
2 – Component 19B Structural Demolition

2.2.21 Building 20E – Well House #1

Background
Building 20E (Well House #1) was a single story structure that consisted of cement block walls and concrete floor with approximate dimensions of eleven feet by twenty feet and nine feet in height.

Building 20E was one of three on-site pumping stations that supplied the process area with water for fire protection and other potable uses.

Remedial Tasks
The ACM piping was removed using the asbestos abatement glovebag process. Since the ACM roofing tar material was non-friable, it was removed as part of the building demolition. Building 20E was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 20E included ACM roofing tar, doors and windows, structural & miscellaneous steel, equipment, ACM piping and conduit/wire.

Photos
There were no photos available of the Building 20E demolition activity.

2.2.22 Building 20F – Well House #2

Background
Building 20F (Well House #2) was a single story structure that consisted of cement block walls and concrete floor with approximate dimensions of eleven feet by twenty feet and nine feet in height.

Building 20F was one of three on-site pumping stations that supplied the process area with water for fire protection and other potable uses.
Remedial Tasks
The ACM piping was removed using the asbestos abatement glovebag process. Since the ACM roofing tar material was non-friable, it was removed as part of the building demolition. Building 20F was demolished using a track hoe mounted shear. Materials generated during dismantlement of Building 20F included ACM roofing tar, doors and windows, structural & miscellaneous steel, equipment, ACM piping and conduit/wire.

Photos
There were no photos available of the Building 20F demolition activity.

2.2.23 Component 21A – Haul Road Wheel Wash Facility

Background
Component 21A (Haul Road Wheel Wash Facility) was a roadway vehicle rinsing area that measured approximately forty by fifty feet and consisted of several tanks, pumps, water spray piping, boundary fencing and drainage grating.

Component 21A was the rinsing location for vehicles exiting the Haul Road. Water spray piping was arranged so that each vehicle's undercarriage, sides and top was completely rinsed prior to exit.

Remedial Tasks
Component 21A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 21A included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 21A demolition activity.

2.2.24 Component 21C – Equipment Wash Facility

Background
Component 21C (Equipment Wash Facility) was an equipment rinsing area that measured approximately forty by fifty feet and consisted of several tanks, pumps, water spray piping, boundary fencing and drainage grating.

Component 21C was the rinsing location for equipment associated with the OSDF.

Remedial Tasks
Component 21C was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 21C included miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 21C demolition activity.

2.2.25 Component 22C/31B – Truck Scale

Background
Component 22C/31B (Truck Scale) was a reinforced concrete structure with dimensions of twelve by 72 feet. The functional surface of he scale was approximately two feet below grade.

Component 22C/31B was used to weigh multi-axle vehicles as required by existing transport regulations.

Remedial Tasks
Component 22C/31B was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 22C/31B included concrete, miscellaneous steel, equipment, piping and conduit/wire.

Photos
There were no photos available of the Component 22C/31B demolition activity.

2.2.26 Component 22G – Main Gate Truck Scale

Background
Component 22G (Main Gate Truck Scale) was an elevated scale that measured 142 feet by 22 feet.

Component 22G was used to weigh delivery vehicles prior to entry into the former production area.

Remedial Tasks
Component 22G was removed by the University of Kentucky for recycle or reuse purpose.

Photos
There were no photos available of the Component 22G removal activity.

2.2.27 Component 23A – Meteorological Tower

Background
Component 23A (Meteorological Tower) was a steel structure measuring approximately sixty feet tall.

Component 23A was used for the placement of climate monitoring instruments to measure the meteorological conditions of the area surrounding the site. The primary use of the monitoring included daily weather conditions, severe weather conditions and to develop air dispersion models for the Emergency Operations Center in the event of an offsite airborne radiological release.

Remedial Tasks
Component 23A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 23A included miscellaneous steel, piping and conduit/wire.

Photos
There were no photos available of the Component 23A demolition activity.

2.2.28 Component 24C – Locomotive Maintenance Building

Background
Component 24C (Locomotive Maintenance Building) was a single story metal frame building that measured 110 feet by forty feet and twenty feet tall.

Component 24C was the railcar maintenance facility.

Remedial Tasks
Component 24C was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 24C included structural & miscellaneous steel, equipment, piping and conduit/wire.

Photos
Photos 3 and 4 of Attachment 3 show the following activities for the D&D of Component 24C.

3 – Component 24C Structural Demolition
4 – Component 24C Structural Demolition

2.2.29 Component 24D – Railroad Inspection Pit

Background
Component 24D (Railroad Inspection Pit) was a concrete pit located within the Locomotive Maintenance Building (Component 24C) that measured 55 feet by 3.5 feet with ladders at each of the 3.5 feet end that was sloped at 1/16 feet.

Component 24D was the pit that provided access for railcar undercarriage inspection.

Remedial Tasks
Component 24D was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 24D included concrete and miscellaneous steel.

Photos
There were no photos available of the Component 24D demolition activity.

2.2.30 Component 25C – Sewage Lift Station Building

Background
Component 25C (Sewage Lift Station Building) was a single story structure that consisted of cement block walls on a reinforced concrete floor with approximate dimensions of fifteen feet by twenty feet and nine feet tall.

Component 25C pumped the accumulated sanitary wastes from the site to the new Sewage Treatment Plant Complex.

Remedial Tasks
Component 25C was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 25C included concrete, miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 25C demolition activity.

2.2.31 Component 25J – 10 Plexes Sanitary Lift Station

Background
Component 25J (10 Plexes Sanitary Lift Station) was a fiberglass enclosure on a concrete pad with approximate dimensions of four feet by eight feet and five feet tall.

Component 25J pumped sanitary wastes from Trailers 76, 77, 89 and 81 to the new Sewage Treatment Plant.

Remedial Tasks
Component 25J was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 25J included fiberglass, miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 25J demolition activity.

2.2.32 Component 25K – New Sewage Treatment Plant Complex

Background
Component 25K (New Sewage Treatment Plant Complex) included a sixteen feet by twenty feet and nine feet tall UV Building, aeration tanks (2) mechanical clarifiers (2) and sludge thickeners (2) with combined dimensions of approximately fifty feet by 110 feet.

Component 25K was the site waste treatment facility.

Remedial Tasks
Component 25K was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 25K included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 25K demolition activity.

2.2.33 Component 26C – Main Electrical Substation Riser House

Background
Component 26C (Main Electrical Substation Riser House) was a cinder block building with a partial concrete floor and a transite roof that measured approximately ten feet by twelve feet and ten feet high.

Component 26C contained the control valves for the main electrical deluge fire protection system, which provided fire sprinkler protection for the Main Electrical Station.

Remedial Tasks
The transite (non-friable) was encapsulated, removed in whole sections and palletized for OSDF placement. Component 26C was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 26C included cinder block, transite, miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 26C demolition activity.

2.2.34 Component 26D – Domestic & Fire Water Booster Station

Background
Component 26D (Domestic & Fire Water Booster Station) was a rectangular, concrete structure that measured approximately 33 feet by twelve feet and ten feet high and rested on a poured concrete pad.

Component 26D was used to pump domestic and fire water throughout the water distribution system at the site.

Remedial Tasks
Component 26D was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 26D included concrete, miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 26D demolition activity.

2.2.35 Component 26E – Domestic & Fire Water 400K Gallon Storage Tank

Background
Component 26E (Domestic & Fire Water Booster 400K Gallon Storage Tank) was a 400,000 gallon vertical steel tank that measured 29 feet tall and 50 feet in diameter. The tank rested on a concrete pad.

Component 26E was used as a duo storage tank for fire water and domestic water.

Remedial Tasks
Component 26E was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 26E included miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 26E demolition activity.

2.2.36 Component 26F – Domestic & Fire Water Lift Station

Background
Component 26F (Domestic & Fire Water Lift Station) was a ground level pump lift arrangement that measured approximately six feet in diameter.

Component 26F was used as a waste water lift station.

Remedial Tasks
Component 26F was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 26F included miscellaneous steel, equipment, piping and conduit.
Photos
There were no photos available of the Component 26F demolition activity.

2.2.37 Component 28E – Guard Post Relocated to New Rail Yard

Background
Component 28E (Guard Post Relocated to New Rail Yard) was a metal frame structure that measured approximately eight feet by ten feet and eight feet high.

Component 28E was used as a construction activities cool area in the new Rail Yard.

Remedial Tasks
Component 28E was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28E included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 28E demolition activity.

2.2.38 Component 28G – Guard Post Relocated and Renamed to T-327

Background
Component 28G (Guard Post Relocated and Renamed to T-327) was a metal frame structure that measured approximately eight feet by eight feet and eight feet high.

Component 28G was used as a trailer for the Surge Lagoon area.

Remedial Tasks
Component 28G was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28G included structural & miscellaneous steel, piping & conduit.

Photos
There were no photos available of the Component 28G demolition activity.

2.2.39 Component 28H – Guard Post East of Detention Basin

Background
Component 28H (Guard Post east of Detention Basin) was a metal frame structure that measured approximately eight feet by eight feet and eight feet high.

Component 28H was used as a vehicular traffic security checkpoint for the Detention Basin.

Remedial Tasks
Component 28H was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28H included structural & miscellaneous steel.

Photos
There were no photos available of the Component 28H demolition activity.

2.2.40 Component 28K – Security Checkpoint

Background
Component 28K (Security Checkpoint) was a metal frame structure that measured approximately four feet by six feet and eight feet high.

Component 28K was used as a security checkpoint for traffic entering the site from the East Side Parking Lot.

Remedial Tasks
Component 28K was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28K included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 28K demolition activity.

2.2.41 Component 28L – Guard Post on North Construction Access Road

Background
Component 28L (Guard Post on North Construction Access Road) was a metal frame structure that measured approximately eight feet by fourteen feet and eight feet high.

Component 28L was used as a security checkpoint for vehicular traffic into the North Construction Access Road.

Remedial Tasks
Component 28L was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28L included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 28L demolition activity.

2.2.42 Component 28M – Guard Post Relocated to New Rail Yard

Background
Component 28M (Guard Post Relocated to New Rail Yard) was a metal frame structure that measured approximately eight feet by ten feet and eight feet high.

Component 28M was used as a construction activities cool area in the new Rail Yard.

Remedial Tasks
Component 28M was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 28M included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 28M demolition activity.

2.2.43 Component 35A – Metal Oxide Storage Tank (Silo 4)

Background
Component 35A (Metal Oxide Storage Tank (Silo 4)) was a free-standing, post-tensioned concrete, domed silo. It was approximately eighty feet in diameter and approximately 33 feet above ground level (apex). The floor system was approximately seventeen inches of compacted clay, a two-inch thick layer of asphaltic concrete and an eight –inch layer of gravel topped by four inches of concrete. Component 35A did not have an underdrain system. The dome roof tapered from eight inches thick at the silo walls to four inches thick at the apex. The apes was 36 feet high from the top of foundation, 33 feet above grade. The walls were 27 feet high from the top of the foundation. Component 35A contained increased reinforcing around the dome periphery (ring beam) to support a dust collector that was never installed.

Component 35A had wire-wrapped post-tensioning using eight-gage wire drawn to 0.141 inches.

A structural steel bridge was constructed over Component 35A as part of the Vitrification Pilot Plant Project. The bridge had a concrete foundation on the northwest and southeast sides of the silo. The bridge had two towers that were ten feet by sixteen feet by fifty feet high and a center span of 98 feet by sixteen feet by ten feet high. The bridge contained an enclosed metal siding headhouse section and other equipment that was never used.

Component 35A was never used during processing. Since Component 35A was empty, it exhibited deteriorated concrete conditions. Component 35A had been used for demonstration purposes in support of other projects.

Remedial Tasks
Component 35A was demolished using a track hoe mounted shear. No concrete was loaded out from Component 35A. The concrete was in such poor condition that it basically disintegrated and fell into the footprint of the silo. This created a mild mound that was preferred so that the structural steel bridge over the silo could be removed. The structural steel bridge was demolished using a track hoe mounted shear. Once the bridge debris was removed, the concrete mound was spread evenly over the footprint. Finally, the metal reinforcement (rebar) from the silo structure was removed. Materials generated during dismantlement of Component 35A included structural & miscellaneous steel, equipment, piping and conduit.

Photos
Photos 5 through 16 of Attachment 3 show the following activities for the D&D of Component 35A.

5 – Component 35A (Silo 4) Structural Demolition
6 – Component 35A (Silo 4) Structural Demolition
7 – Component 35A (Silo 4) Structural Demolition
8 – Component 35A (Silo 4) Structural Demolition
9 – Component 35A (Silo 4) Structural Demolition
10 – Component 35A (Silo 4) Structural Demolition
11 – Component 35A (Silo 4) Bridge Structural Demolition
12 – Component 35A (Silo 4) Bridge Structural Demolition
13 – Component 35A (Silo 4) Bridge Structural Demolition
14 – Component 35A (Silo 4) Bridge Structural Demolition
15 – Component 35A (Silo 4) Bridge Structural Demolition
16 – Component 35A (Silo 4) Bridge Structural Demolition

2.2.44 Component 50 – Maintenance Storage Building

Background
Component 50 (Maintenance Storage Building) was a single-story steel siding and frame structure that measured approximately sixty feet by forty feet and twenty feet high.

Component 50 housed equipment and tools for the Maintenance group.

Remedial Tasks
Component 50 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 50 included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 50 demolition activity.

2.2.45 Component 52A – RTRAK Building

Background
Component 52A (RTRAK Building) was a single-story steel siding and frame structure that measured approximately twenty feet by 27 feet and fifteen feet high.

Component 52A was a storage facility for large equipment and tools.

Remedial Tasks
Component 52A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 52A included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 52A demolition activity.

2.2.46 Component 52B – ASTD SDFP Building

Background
Component 52B (ASTD SDFP Building) was a single-story steel siding and frame structure that measured approximately twenty feet by 27 feet and fifteen feet high.

Component 52B was a storage facility for large equipment and tools.

Remedial Tasks
Component 52B was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 52B included structural & miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 52B demolition activity.

2.2.47 Component 60 – Quonset Hut 1

Background

Component 60 (Quonset Hut 1) was a pre-engineered facility that consisted of a structural steel frame, sloped steel roof panels, steel siding panels and glass windows that measured approximately 120 feet by 41 feet and 21 feet high.

Component 60 was a storage facility for equipment, materials and miscellaneous items which included drums that contained thorium compounds from the Recovery Plant (8A).

Remedial Tasks
Remedial tasks began with a high-pressure washdown of the Component 60 interior. After the washdown was completed, an encapsulant was applied to the quonset hut interior surface. Component 60 was demolished using a hydraulic shear. Materials generated during dismantlement of Component 60 included structural & miscellaneous steel, steel panels and glass windows, piping and conduit.

Photos
There were no photos available of the Component 60 demolition activity.

2.2.48 Component 61 – Quonset Hut 2

Background
Component 61 (Quonset Hut 2) was a pre-engineered facility that consisted of a structural steel frame covered by corrugated steel panels that formed the walls of the structure. Two large sliding doors were located at the east and west ends of the structure. Quonset Hut 2 measured approximately 60 feet by 41 feet and 21 feet high.

Component 61 was a storage facility for thorium-contaminated equipment from the Bettis operation.

Remedial Tasks
Remedial tasks began with a high-pressure washdown of the Component 61 interior. After the washdown was completed, an encapsulant was applied to the quonset hut interior surface. Component 61 was demolished using a hydraulic shear. Materials generated during dismantlement of Component 61 included structural & miscellaneous steel, steel panels and sliding doors, piping and conduit.

Photos
There were no photos available of the Component 61 demolition activity.

2.2.49 Component 82B – Fuel Loading/Unloading Facility

Background
Component 82B (Fuel Loading/Unloading Facility) was a fueling station set in a 38 feet by 25 feet concrete diked area. There were two square metal tanks (twenty feet by eight feet and eight feet high) along with ancillary equipment.

Component 82B was used as a filling station for site vehicles.

Remedial Tasks
Component 82B was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 82B included miscellaneous steel, equipment, piping and conduit.

Photos
There were no photos available of the Component 82B demolition activity.

2.2.50 Component 93A – Southwest Boiler House

Background
Component 93A (Southwest Boiler House) was a single-story, structural steel, metal frame building measuring eighty feet long by 55 feet wide with a sloped roof measuring approximately thirty feet at its highest point. Exterior equipment associated with Component 93A that was dismantled as part of the overall D&D activity included two fuel oil heating units, a 10,000 gallon tank, a 15,000 gallon tank & associated equipment, a metal frame out building measuring eight feet by five feet and six feet tall, an air supply system and piping/pipe bridge that ran approximately 160 feet.

Component 93A provided a source for the remaining steam-heated site facilities. Once those facilities were abandoned, 93A was converted to a laundry and garage support facility. Most recently, 93A was used as an on-site one time processing facility of slightly enriched, mixed, low-level waste for shipment to an approved offsite Treatment Storage and Disposal Facility. Treatment of this waste was done in accordance with Uranium ASSAY adjustment Project Work Plan #40600-PL-0001, Revision 1 dated November 2004.

Remedial Tasks
Component 93A was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component 93A included structural & miscellaneous steel, equipment, piping, pipe bridge and conduit.

Photos
There were no photos available of the Component 93A demolition activity.

2.2.51 Component TS-08 – Tension Support Structure #8

Background
Component TS-08 (Tension Support Structure #8) was a tension support structure that measured approximately 150 feet by sixty feet and 24 feet high.

Component TS-08 was originally used for salt storage. Component TS-08 was later used as the Receiving facility.

Remedial Tasks

Component TS-08 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-08 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
Photos 17 and 18 of Attachment 3 show the following activities for the D&D of Component TS-08.

17 – Component TS-08 Structural Demolition
18 – Component TS-08 Structural Demolition

2.2.52 Component TS-09 – WISE Fabrication Shop

Background
Component TS-09 (WISE Fabrication Shop) was a tension support structure that measured approximately forty feet by fifty feet and 24 feet high.

Component TS-09 was used as a fabrication shop for D&D contractor activities and for storage of D&D contractor supplies.

Remedial Tasks
Component TS-09 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-09 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-09 demolition activity.

2.2.53 Component TS-10 – Nuclear Material Packaging Station #1

Background
Component TS-10 (Nuclear Material Packaging Station #1) was a tension support structure that measured approximately fifty feet by seventy feet and 24 feet high.

Component TS-10 was used as a repackaging station for nuclear materials being shipped offsite for final disposition.

Remedial Tasks
Component TS-10 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-10 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-10 demolition activity.

2.2.54 Component TS-11 – Nuclear Material Packaging Station #2

Background
Component TS-11 (Nuclear Material Packaging Station #2) was a tension support structure that measured approximately fifty feet by seventy feet and 24 feet high.

Component TS-11 was used as a repackaging station for nuclear materials being shipped offsite for final disposition.

Remedial Tasks
Component TS-11 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-11 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-11 demolition activity.

2.2.55 Component TS-12 – Maintenance Ground Keeping Equipment

Background
Component TS-12 (Maintenance Ground Keeping Equipment) was a tension support structure that measured approximately forty feet by 66 feet and 24 feet high.

Component TS-12 was used for storage of maintenance and grounds keeping equipment.

Remedial Tasks
Component TS-12 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-12 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-12 demolition activity.

2.2.56 Component TS-13 – Maintenance Shop

Background
Component TS-13 (Maintenance Shop) was a tension support structure that measured approximately 48 feet by eighty feet and 24 feet high.

Component TS-13 was used for maintenance activities.

Remedial Tasks
Component TS-13 was demolished using a track hoe mounted shear. Materials generated during dismantlement of Component TS-13 included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-13 demolition activity.

2.2.57 Component TS-14 – Real Time Characterization Calibration Pad

Background
Component TS-14 (Real Time Characterization Calibration Pad) was a tension support canopy that measured approximately forty feet by forty feet and twelve feet high.

Component TS-14 was used to provide weather protection for real time characterization calibration activities.

Remedial Tasks
Component TS-14 collapsed from a heavy snow/ice storm that hit the area. Materials generated as a result of the Component TS-14 collapse included miscellaneous steel, piping and conduit and synthetic & miscellaneous materials.

Photos
There were no photos available of the Component TS-14 demolition activity.

2.2.58 Component G-001 – Railroad Tracks

Background
The sitewide railroad tracks were constructed at various times during the site's existence. Much of the rail was located along the north and northwest perimeter of the Fernald Closure Project. Approximately 57,800 lineal feet of railroad track was located throughout the site.

Most recently, material form the Fernald Closure Project waste pits that was dispositioned to an offsite facility was transported by railcar. The sitewide railroad tracks were part of the rail system that was used for transportation.

Remedial Tasks
The remaining sitewide railroad tracks were removed by a contractor for re-use at other Department of Energy locations.

Photos
There were no photos available of the sitewide railroad track removal activity.

2.2.59 Component G-007 – Trailers

Background
The trailers were metal frame structures of various sizes located throughout the site. The trailers that were dismantled under the MSS Phase II D&D Project are identified in Attachment 1.

The trailers were most commonly used for office space, meeting locations or storage areas.

Remedial Tasks

The trailers were demolished using a track hoe mounted shear. Materials generated during dismantlement of Component G-007 included miscellaneous steel, equipment, piping/conduit and miscellaneous materials.

Photos
There were no photos available of the Component G-007 demolition activity.

3.0 MATERIAL MANAGEMENT

Generated Debris
Debris generated from the D&D of the MSS Phase II D&D 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 2. 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 3. SWIFTS provides reports that track containerized materials that will be disposed of at an offsite facility.

Wastewater
During the extent of this project, approximately 3,130 gallons (in total) of MSS Phase II D&D Project wastewater were pumped to the former Advanced Wastewater Treatment Facility or the current 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	92000	2	295
A, B, D & E	92101	2	1755
A, B, D & E (Thorium)	92028	2	202
A, B, D & E (Thorium)	92030	2	30
G	95006	5	5
G	921961	2	30
E	922007	2	45
B	922844	2	207
I	943101	4	60
I	94000	4	54

TABLE 3-2 Soil Pile 7 Associated Material

Debris Category	Profile	OSDF Code	Volume (cu. yds.)
SP-7	80094 (1)	N/A	69

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

TABLE 3-3 Waste Containers for Offsite Shipment

Debris Category	Material Description Code	Volume (cu. yds.)	Number of Containers	Container Type
Contaminated Solvent	013	N/A	1	85 gallon drum
Contaminated Oil	015	N/A	7	85 gallon drum
Lead & Lead-Contaminated Materials	049	N/A	3	85 gallon drum
PCB Materials	050	N/A	6	85 gallon drum
Lead Batteries	628	N/A	4	85 gallon drum

4.0 ENVIRONMENTAL MONITORING

Project-specific environmental monitoring for the MSS Phase II D&D Project included radiological air monitoring. MSS Phase II D&D activities that were performed under radiologically controlled conditions occurred from July 2004 (June 29) through July 2006 (July 27). The D&D activities and associated environmental air monitoring discussion are categorized by the following time frames [Note: (date – quarter and year) indicates which air composite quarters were used in data evaluation]:

- **I. Uranium controlled D&D**
  A. July 19 through August 2, 2004 (3rd quarter 2004)
  B. November 11, 2004 through July 27, 2005 (4th quarter 2004 through 3rd quarter 2005)

- **II. Thorium controlled D&D**
  A. Sludge Mix Tank (Component 18J) – October 31 through August 25, 2005 (4th quarter 2005)
  B. Quonset Huts 1 and 2 (Components 60 & 61) – June 29 through August 25, 2004 (3rd quarter 2004)

- **III. Radium controlled D&D**
  A. Sludge Mix Tank (Component 18Z) – January 23 through February 7, 2006 (1st quarter 2006)
  B. SPIT Building partial D&D (Component 18Q) – July 19 through July 27, 2006 (2nd quarter 2006 – based on availability of data)

Note: Overall time frame covers 3rd quarter 2004 through 3rd quarter 2006.

4.1 Radiological Air Monitoring

Air Monitoring Data Recorded at FCP Boundary

The IEMP environmental radiological air emissions data from the monitoring period of June 29, 2004 through July 27, 2006 indicated limited sporadic, short-term increases in site boundary airborne uranium concentrations. The increases, which may be attributable to emissions from the MSS Phase II D&D activities, are within the historical range of concentrations measured during previous D&D projects. Airborne 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 other 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 periods of July 2004 through July 2006, the average uranium concentrations also indicated levels less than one half of one percent of the guideline. The maximum uranium concentration was 0.0016 pCi/m3 (at air monitoring station 6 [AMS-6] during 3rd quarter 2004), which represents less than two percent of the DOE maximum off-site guideline. Most other concentrations represent 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 the air monitoring stations suggest that uranium emissions from the MSS Phase II D&D activities have not significantly affected compliance with DOE guidelines. Furthermore, the emissions from the MSS Phase II D&D activities have not significantly affected compliance with NESHAP Subpart H limit of 10 mrem per year.

Site boundary data collected from the 3rd quarter 2004 through 3rd quarter 2006, which correspond to the MSS Phase II D&D activities, indicated the air inhalation effective dose equivalent for Thorium-230 (Th-230) averaged less than 0.0005 mrem (3rd quarter 2006) to 0.035 mrem (3rd quarter 2004) at the site boundary (IEMP) air monitoring stations. The maximum Th-230 dose (at AMS-6) was 0.085 mrem, which also represents less than one percent of the NESHAP standard. Radium-226 (Ra-226) averaged between 0.0005 mrem (2nd quarter 2006) to 0.058 mrem (1st-3rd quarter 2005) at the IEMP monitors. The maximum Ra-226 dose was 0.16 mrem (at AMS-6), which represents 1.6 percent of the NESHAP standard.

The locations of the IEMP monitors are shown in Figure 4-1. The maximum year-to-date dose estimates from IEMP monitors in 2004, 2005, and 2006 (1st and 2nd quarter) indicated the total doses from isotopic uranium, thorium, radium and their progeny were are as follows:

2004: AMS-23 (0.65 mrem), AMS-9C (0.617 mrem), and AMS-3 (0.613 mrem)
2005: AMS-3 (0.461 mrem), AMS-4 (0.379 mrem), and AMS-27 (0.328 mrem)
2006: AMS-3 (0.076 mrem), AMS-29 (0.076 mrem), and AMS-27 (0.62 mrem).

These doses are significantly less than the NESHAP Subpart H limit of 10 mrem.

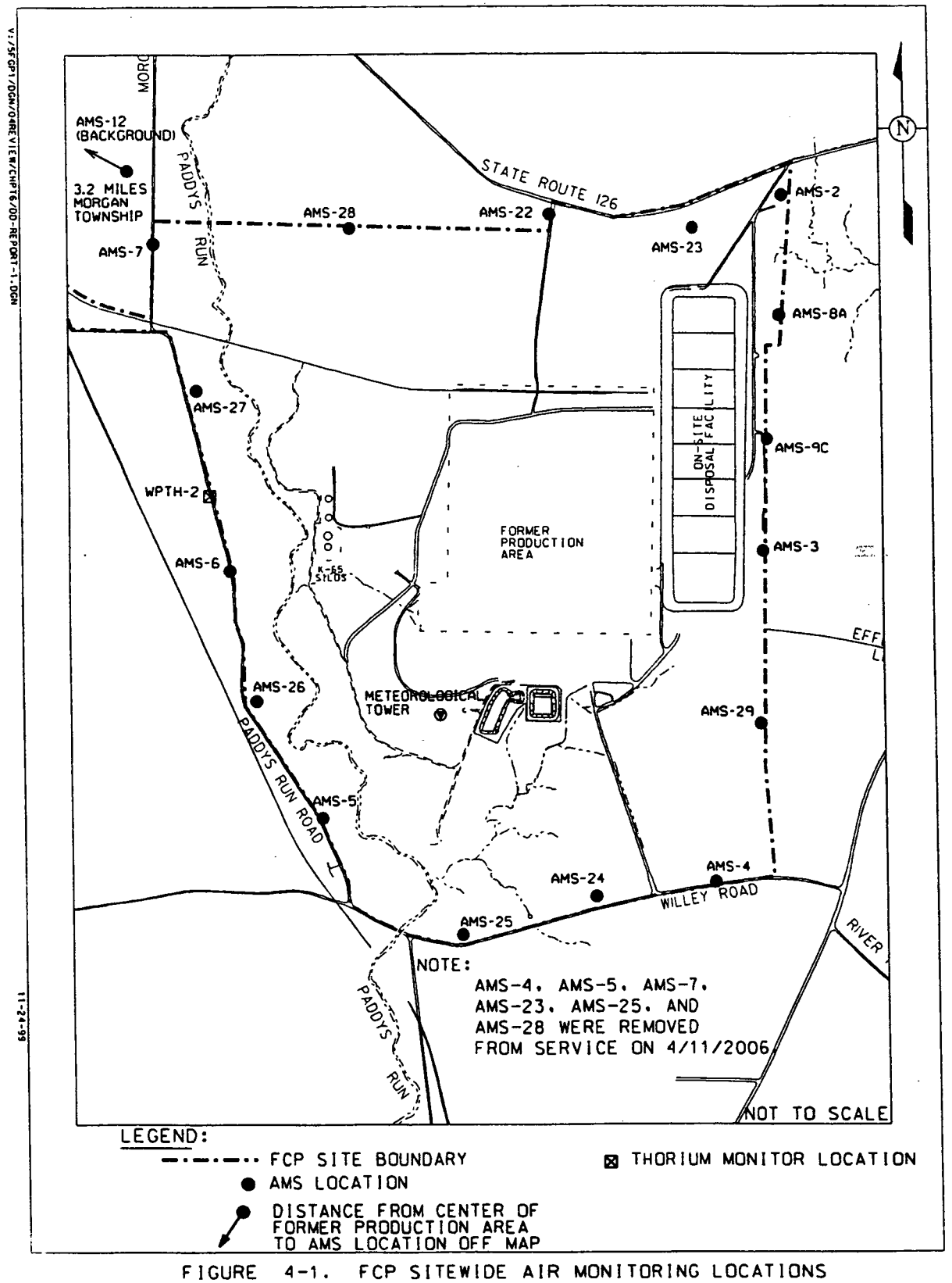

FIGURE 4-1. FCP SITEWIDE AIR MONITORING LOCATIONS

Figure 4-1 FCP Sitewide Air Monitoring Locations

ATTACHMENT 1

TRAILER SUMMARY

MISCELLANEOUS SMALL STRUCTURES PHASE II PROJECT COMPLETION REPORT
ATTACHMENT 1

D&D Trailer Summary

Structure Number	Description	Structure Type	Implementation Plan Complex	Square Feet
T001	4 plex (Office/Conference Rooms)	Trailer	Misc	3976
T002	Single Wide (Office)	Trailer	Misc	360
T003	Single Wide (WISE Const.)	Trailer	Misc	360
T004	Single Wide (Training)	Trailer	Misc	360
T005	Single Wide (Office)	Trailer	Misc	360
T006	Single Wide (restrooms)	Trailer	Misc	360
T007	Single Wide (Office)	Trailer	Misc	360
T008	Single Wide (WISE Const.)	Trailer	Misc	360
T012	Single Wide (Silos)	Trailer	Misc	336
T017	Single Wide (Office)	Trailer	Misc	440
T018	Double Wide (Training)	Trailer	Misc	1344
T019	Single Wide (Rad Safety)	Trailer	Misc	792
T023	10 Plex (office)	Trailer	Misc	6608
T024	7 Plex (Office)	Trailer	Misc	4620
T025	7 Plex (Office)	Trailer	Misc	4620
T026	Single Wide (WGS Office)	Trailer	Misc	792
T029	Single Wide (IM Support)	Trailer	Misc	924
T030	Single Wide (IM Support)	Trailer	Misc	924
T034	Single Wide (WGS Operations)	Trailer	Misc	80
T035	Double Wide (Transportation)	Trailer	Misc	1584
T036	Single Wide (Heavy Equip. Operators Breakroom)	Trailer	Misc	240
T041	Single Wide (WGS Waste Certification)	Trailer	Misc	792
T043	Double Wide (Office)	Trailer	Misc	1344
T044	Double Wide (Office)	Trailer	Misc	1344
T045	Double Wide (Office)	Trailer	Misc	1344
T046	Double Wide (Rad Instruments)	Trailer	Misc	1344
T049	Single Wide (Rad Instruments)	Trailer	Misc	448
T050	Single Wide (Rad Safety)	Trailer	Misc	160
T057	Double Wide (Office)	Trailer	Misc	1960
T058	Double Wide (Office/Conference Room)	Trailer	Misc	1960
T059	Single Wide (WGS Thorium Overpack)	Trailer	Misc	360
T060	Single Wide (Office)	Trailer	Misc	160
T061	Single Wide (Training)	Trailer	Misc	672
T062	Single Wide (Training)	Trailer	Misc	600
T065	Single Wide (WGS MC&A Office)	Trailer	Misc	64
T066	Triple Wide (WGS Shipping Office)	Trailer	Misc	2772
T067	Single Wide (WPRAP)	Trailer	Misc	160
T068	Single Wide (WPRAP Office)	Trailer	Misc	600
T069	Single Wide (RIMIA Control Point)	Trailer	Misc	200
T071	Single Wide (Office)	Trailer	Misc	672
T072	Single Wide (Office)	Trailer	Misc	600
T074	4 Plex (WPRAP Change Room)	Trailer	Misc	3360
T075	Single Wide (Public Affairs-Multi Media)	Trailer	Misc	720
T076	10 Plex (Office)	Trailer	Misc	9108
T077	10 Plex (Office)	Trailer	Misc	9108

MISCELLANEOUS SMALL STRUCTURES PHASE II PROJECT COMPLETION REPORT
ATTACHMENT 1

D&D Trailer Summary

Structure Number	Description	Structure Type	Implementation Plan Complex	Square Feet
T078	Double Wide (Office)	Trailer	Misc	1792
T079	Double Wide (Office)	Trailer	Misc	1792
T080	10 Plex (Office)	Trailer	Misc	9108
T081	10 Plex (Office)	Trailer	Misc	9108
T082	Double Wide (Office)	Trailer	Misc	1848
T083	Double Wide (Office)	Trailer	Misc	1848
T084	Double Wide (Office)	Trailer	Misc	1848
T085	Double Wide (Office)	Trailer	Misc	1848
T086	Double Wide (Office)	Trailer	Misc	1848
T087	Double Wide (Office)	Trailer	Misc	1848
T089	Single Wide (Silos Change Room)	Trailer	Misc	784
T090	Single Wide (Silos Change Room)	Trailer	Misc	784
T091	Single Wide (Silos Change Room)	Trailer	Misc	784
T092	Single Wide (Silos Breakroom)	Trailer	Misc	784
T093	4 Plex (WGS Control Point)	Trailer	Misc	3360
T094	5 Plex (D&D Control Point)	Trailer	Misc	3360
T095	6 Plex (D&D Control Point)	Trailer	Misc	3360
T096	Double Wide (OSDF)	Trailer	Misc	1680
T097	Single Wide (Office)	Trailer	Misc	360
T098	Single Wide (OSDF)	Trailer	Misc	840
T100	Single Wide (Office)	Trailer	Misc	200
T103	Single Wide (Rad Instruments)	Trailer	Misc	120
T108	Single Wide (Aquifer)	Trailer	Misc	672
T109	Single Wide (Aquifer)	Trailer	Misc	672
T114	Single Wide (laboratory)	Trailer	Misc	384
T115	Single Wide (laboratory)	Trailer	Misc	384
T116	Single Wide (laboratory)	Trailer	Misc	384
T117	Double Wide (Office)	Trailer	Misc	1584
T118	Double Wide (Office)	Trailer	Misc	420
T119	Single Wide (Office)	Trailer	Misc	460
T121	Single Wide (Office)	Trailer	Misc	1036
T122	Single Wide (Facility Shutdown Tools)	Trailer	Misc	320
T124	Double Wide (Badging)	Trailer	Misc	1344
T125	Single Wide (OSDF)	Trailer	Misc	192
T126	Single Wide (OSDF)	Trailer	Misc	192
T127	Doulbe Wide (Office next to T68)	Trailer	Misc	1680
T128	Double Wide (D&D Office)	Trailer	Misc	1500
T129	Doulbe Wide (Office next to T68)	Trailer	Misc	1440
T130	Double Wide (D&D Breakroom)	Trailer	Misc	1560
T131	Double Wide (D&D Breakroom)	Trailer	Misc	1560
T132	Single Wide (Office)	Trailer	Misc	500
T135	Single Wide (Breakroom)	Trailer	Misc	784
T137	Single Wide (Storage)	Trailer	Misc	400
T138	Double Wide (Soils Office)	Trailer	Misc	1960
T139	Double Wide (Soils Office)	Trailer	Misc	1960

MISCELLANEOUS SMALL STRUCTURES PHASE II PROJECT COMPLETION REPORT
ATTACHMENT 1

D&D Trailer Summary

Structure Number	Description	Structure Type	Implementation Plan Complex	Square Feet
T141	Single Wide (Storage)	Trailer	Misc	256
T142	Single Wide (Storage)	Trailer	Misc	320
T164	Double Wide (Office)	Trailer	Misc	1440
T165	Double Wide (Office)	Trailer	Misc	1440
T166	Double Wide (Office)	Trailer	Misc	1440
T167	Double Wide (Office)	Trailer	Misc	1440
T168	Double Wide (Office)	Trailer	Misc	1440
T169	Double Wide (Office)	Trailer	Misc	1440
T170	Double Wide (Office)	Trailer	Misc	1440
T171	Double Wide (Office)	Trailer	Misc	1440
T172	Double Wide (Office)	Trailer	Misc	1440
T173	Double Wide (Office)	Trailer	Misc	1440
T174	Double Wide (Office)	Trailer	Misc	1440
T175	Double Wide (Office)	Trailer	Misc	1440
T176	Double Wide (Office)	Trailer	Misc	1440
T177	Double Wide (Office)	Trailer	Misc	1440
T178	Double Wide (Office)	Trailer	Misc	1440
T179	Double Wide (Office)	Trailer	Misc	1440
T180	Double Wide (Office)	Trailer	Misc	1440
T181	Double Wide (Office)	Trailer	Misc	1440
T182	Double Wide (Office)	Trailer	Misc	1440
T183	Double Wide (Office)	Trailer	Misc	1440
T186	Single Wide (OSDF)	Trailer	Misc	100
T189	Double Wide (WPRAP Locomotive Repair)	Trailer	Misc	1440
T190	Single Wide (WGS)	Trailer	Misc	112
T191	Single Wide (WGS)	Trailer	Misc	320
T193	Single Wide (Control Point)	Trailer	Misc	80
T194	Single Wide (Comm Center)	Trailer	Misc	360
T195	6 Plex (Medical)	Trailer	Misc	4800
T301	Single Wide (Office)	Trailer	Misc	400
T303	Double Wide (Aquifer Office)	Trailer	Misc	1344
T304	Double Wide (Aquifer Office)	Trailer	Misc	1344
T305	Double Wide (Aquifer Office)	Trailer	Misc	1344
T306	Single Wide (Silos Office)	Trailer	Misc	320
T312	Single Wide (OSDF Breakroom)	Trailer	Misc	160
T330	Single Wide (OSDF Change Room)	Trailer	Misc	100
T403	Double Wide (Office)	Trailer	Misc	1440
T404	Double Wide (Office)	Trailer	Misc	1440
T405	Single Wide (Office)	Trailer	Misc	720
T406	Single Wide (Breakroom)	Trailer	Misc	720
T407	Single Wide (Office)	Trailer	Misc	720
T408	Single Wide (Office)	Trailer	Misc	720
T414	Single Wide (Office)	Trailer	Misc	672
T415	Double Wide (Office)	Trailer	Misc	1440
T418	Single Wide (Office)	Trailer	Misc	720

MISCELLANEOUS SMALL STRUCTURES PHASE II PROJECT COMPLETION REPORT
ATTACHMENT 1

D&D Trailer Summary

Structure Number	Description	Structure Type	Implementation Plan Complex	Square Feet
T502	Single Wide (Office)	Trailer	Misc	720
T503	Single Wide (Office)	Trailer	Misc	720
T505	Single Wide (WGS Office)	Trailer	Misc	840
T506	Single Wide (WGS Breakroom)	Trailer	Misc	840
T512	Single Wide (WGS Breakroom)	Trailer	Misc	600
T513	Single Wide (WGS Breakroom)	Trailer	Misc	600
T514	Single Wide (WGS Office)	Trailer	Misc	605
T517	Single Wide (WGS Control Point)	Trailer	Misc	208
T520	Single Wide (Aquifer Office)	Trailer	Misc	192
T540	Triple Wide (Office/Breakroom)	Trailer	Misc	2880
T603	Single Wide (Storage)	Trailer	Misc	320
T604	Single Wide (Storage)	Trailer	Misc	320
T608	Single Wide (WGS Office)	Trailer	Misc	840

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ATTACHMENT 2

IIMS INFORMATION
(INTEGRATED INFORMATION MANAGEMENT SYSTEM)

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Form No	Proj	Description	Profile	Description	Mtl to	Typ	Volume	Date
35145	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	80094	SOIL, SOIL-LIKE MATERIALS AND ASSOCIATED DEBRIS (NOT MEETING OSDF WAC) WHICH MEETS SP-7 STAGING REQUIREMENTS	AR6-006	F	69	02/07/2006
31546	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92000	OSDF CATEGORY 2 MATERIAL	A3A-017	F	150	01/21/2005
40253	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92000	OSDF CATEGORY 2 MATERIAL	STG-001	F	90	07/19/2006
40258	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92000	OSDF CATEGORY 2 MATERIAL	STG-001	F	25	07/21/2006
40255	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92000	OSDF CATEGORY 2 MATERIAL	STG-001	F	30	07/20/2006
31794	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	AR6-002	F	4	05/23/2005
280934	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
199971	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280935	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280943	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280942	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280941	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280940	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280939	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280938	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280937	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280936	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92028	THORIUM CONTAMINATED CAT. 2 DEBRIS	OSDF	F	18	08/25/2004
280842	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92030	THORIUM-CONTAM'D DEBRIS CAT 1 & 2. PPE, INSULATION, BUILT-UP ROOFING, PLASTIC, GLASS, PVC, CERAMICS, ETC. FREE OF VISIBLE PROCESS RESIDUE, CONTAIN NO OSDF PROHIBITED ITEMS AND MEETS OSDF CAT 2 PHYSICAL REQUIREMENTS.	OSDF	F	30	09/20/2004
3382	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	W136591	F	30	12/07/1998
3384	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	W134898	F	12	12/17/1998
31690	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	A3A-017	F	54	01/20/2005
31630	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-002	F	70	11/11/2005
31626	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-002	F	450	11/10/2005

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Form No	Proj	Description	Profile	Description	Mtl to	Typ	Volume	Date
31694	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-019	F	30	02/09/2005
31695	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-019	F	30	02/10/2005
201604	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201603	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201602	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
201601	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
35579	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-002	F	18	10/31/2005
35145	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	STG-001	F	189	02/07/2006
31838	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	A4B-001	F	55	05/12/2005
31837	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	A4B-001	F	33	05/11/2005
31784	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	AR6-019	F	72	04/08/2005
201615	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201614	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201613	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201612	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201611	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201610	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201609	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201608	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201607	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201606	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
201605	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
322058	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005
322057	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005

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322056	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005
322055	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005
322054	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005
322053	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	10/31/2005
280945	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/10/2004
280944	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	10	08/10/2004
280933	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280932	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280931	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280930	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280929	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280928	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/10/2004
280927	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/10/2004
280839	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
280838	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
280837	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280836	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
280835	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280834	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280833	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280824	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/09/2004
280823	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
280822	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	92101	COMINGLED CATEGORY "A", "B", "D" AND INCIDENTAL "E" DEBRIS (OSDF CAT. 2)	OSDF	F	18	08/05/2004
322059	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	94000	OSDF CATEGORY 4 MATERIAL	OSDF	F	18	11/10/2005

WAO Integrated Information Management System
MTL Source Summary Report

Location From: MST-991

Begin Date: **End Date:**

Form No	Proj	Description	Profile	Description	Mtl to	Typ	Volume	Date
322060	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	94000	OSDF CATEGORY 4 MATERIAL	OSDF	F	18	11/10/2005
322061	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	94000	OSDF CATEGORY 4 MATERIAL	OSDF	F	18	11/10/2005
3388	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	95006	PACM FROM D&D AND MAINTENANCE PROJECTS	W173161	F	5	12/21/1998
283269	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	921961	CATEGORY "G" NON-REGULATED ACM, OSDF CODE 2	OSDF	F	30	05/18/2005
3379	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922007	CATEGORY "E" CONCRETE, ASPHALT, OSDF CODE 2	W136685	F	15	12/01/1998
3383	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922007	CATEGORY "E" CONCRETE, ASPHALT, OSDF CODE 2	W135972	F	15	12/07/1998
3380	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922007	CATEGORY "E" CONCRETE, ASPHALT, OSDF CODE 2	W170984	F	15	12/01/1998
31867	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	EWD-001	F	35	05/22/2005
280557	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280559	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280561	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280563	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	10	08/16/2004
280562	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280560	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280558	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280556	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280554	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
280555	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	922844	CATEGORY "B" INACCESSIBLE METALS, OSDF CODE 2	OSDF	F	18	08/16/2004
3386	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)	943101	CATEGORY "I" MISC. DEBRIS, OSDF CODE 4	W135939	F	30	12/17/1998
31695	527	MISC. SMALL STRUCTURES D&D (FY99 1ST PACKAGE)		OVERSIZE DEBRIS	AR6-013	F	30	02/10/2005
					Total Volume for the Report:		2752	

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ATTACHMENT 3

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

Inv No	PO	Src	C	Matl	Seq	Item	Gross	Tare	Net	Container Fill Date	Status	Waste Type	Project No
W220432	R050	700	P	049	0530	000001	14	14	0	23-Feb-06	CONSUMED	RCRA	527
W220437	R050	700	P	049	0530	000002	18	14	4	23-Feb-06	SHIPPED	RCRA	527
W232793	R050	705	P	049	0524	000001	442	76	366	08-Aug-05	SHIPPED	RCRA	527
W235820	F000	700	K	015	0523	000002	50	50	0	14-Jul-05	CONSUMED	NON-RCRA	527
W235899	F000	107	K	015	0523	000001	50	50	0	14-Jul-05	CONSUMED	NON-RCRA	527
W236906	F000	700	K	015	0523	000003	50	50	0	14-Jul-05	CONSUMED	NON-RCRA	527
W246610	R050	739	P	013	0528	000001	80	80	0	19-Dec-05	CONSUMED	RCRA	527
W246627	W050	739	P	015	0528	000004	80	80	0	19-Dec-05	CONSUMED	NON-RCRA	527
W246631	F000	700	K	050	0523	000002	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W246657	W050	739	P	015	0528	000002	80	80	0	19-Dec-05	CONSUMED	NON-RCRA	527
W247153	F000	700	K	015	0523	000006	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247158	F000	700	K	050	0523	000007	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247160	F000	700	K	050	0523	000001	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247165	F000	700	K	050	0523	000003	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247179	F000	700	K	050	0523	000005	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247182	F000	700	K	050	0523	000004	76	76	0	11-Jul-05	CONSUMED	NON-RCRA	527
W247199	W050	739	P	015	0528	000001	80	80	0	19-Dec-05	CONSUMED	NON-RCRA	527
W247677	R000	700	T	628	0529	000001	425	75	350	26-Jan-06	SHIPPED	RCRA	527
W247678	R000	700	T	628	0529	000002	455	75	380	26-Jan-06	SHIPPED	RCRA	527
W247679	R000	700	T	628	0529	000003	490	75	415	25-Jan-06	SHIPPED	RCRA	527
W247680	R000	700	T	628	0529	000004	460	75	385	25-Jan-06	SHIPPED	RCRA	527

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ATTACHMENT 4

PHOTOS

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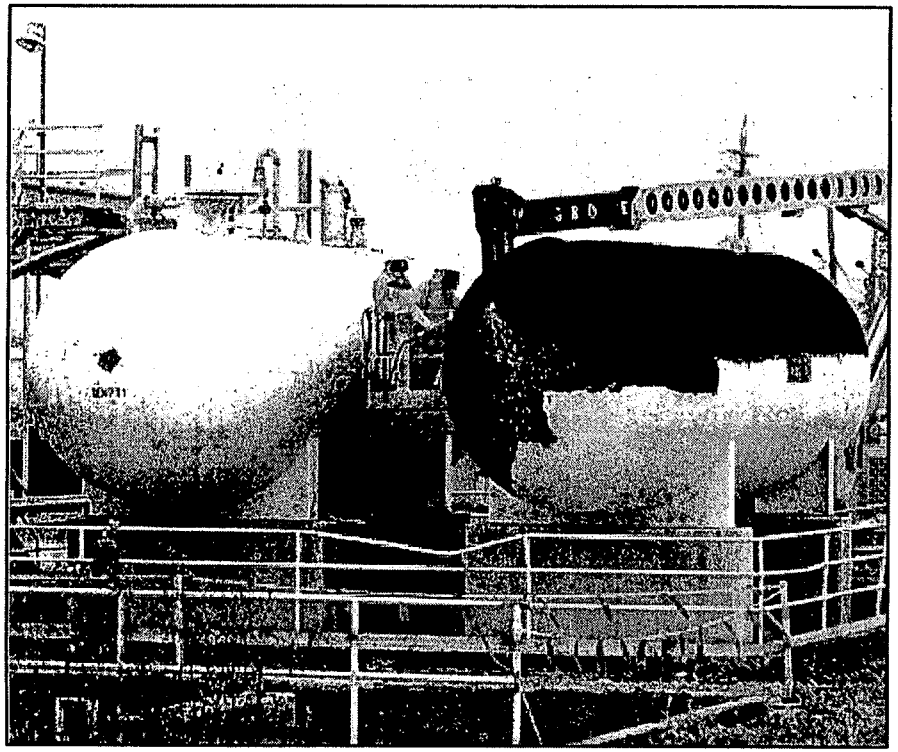
Photo No.	Roll-Negative No.	Description
1	7177D-431	Component 19B - Structural demolition.
2	7177D-432	Component 19B - Structural demolition.
3	7177D-587	Component 24C – Structural demolition.
4	7177D-596	Component 24C - Structural demolition.
5	7815D-212	Component 35A (Silo 4) – Structural demolition.
6	7815D-216	Component 35A (Silo 4) – Structural demolition.
7	7815D-219	Component 35A (Silo 4) – Structural demolition.
8	7815D-224	Component 35A (Silo 4) – Structural demolition.
9	7815D-252	Component 35A (Silo 4) – Structural demolition.
10	7815D-275	Component 35A (Silo 4) – Structural demolition.
11	7815D-288	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
12	7815D-291	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
13	7815D-295	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
14	7815D-298	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
15	7815D-302	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
16	7815D-308	Component 35A Bridge (Silo 4 Bridge) – Structural demolition.
17	7177D-442	TS-08 (Tension Support Structure #8) – Structural demolition.
18	7177D-446	TS-08 (Tension Support Structure #8) – Structural demolition.

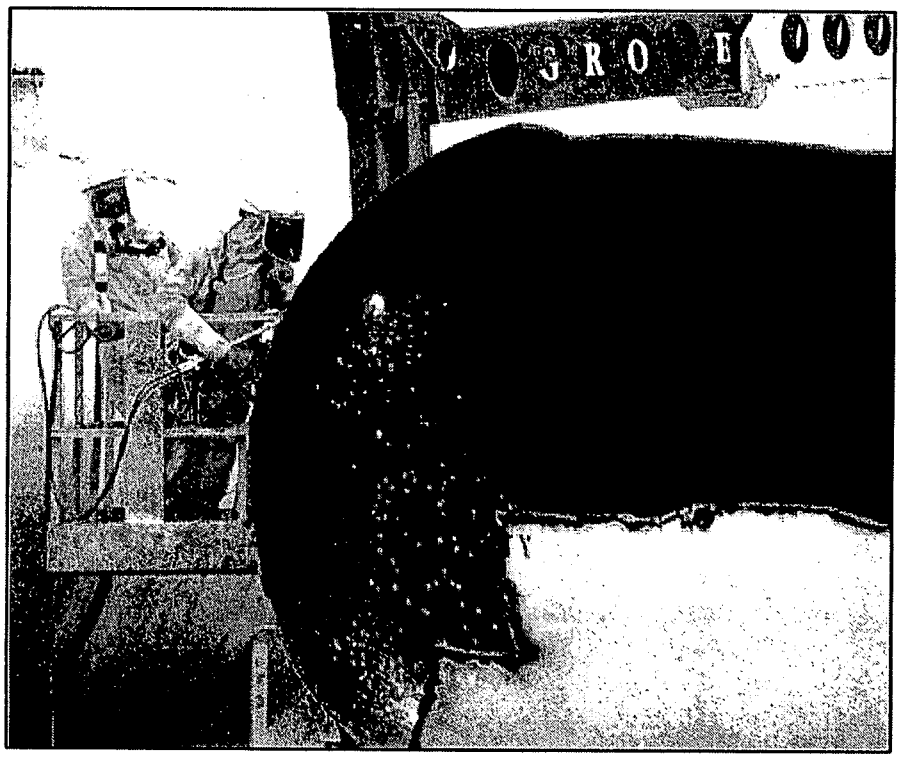
MISCELLANEOUS SMALL STRUCTURES (PHASE II) D&D COMPLETION REPORT

8508.1 9/06

STRUCTURAL DEMOLITION
COMPONENT 19B – AWWT CAUSTIC TANK STORAGE



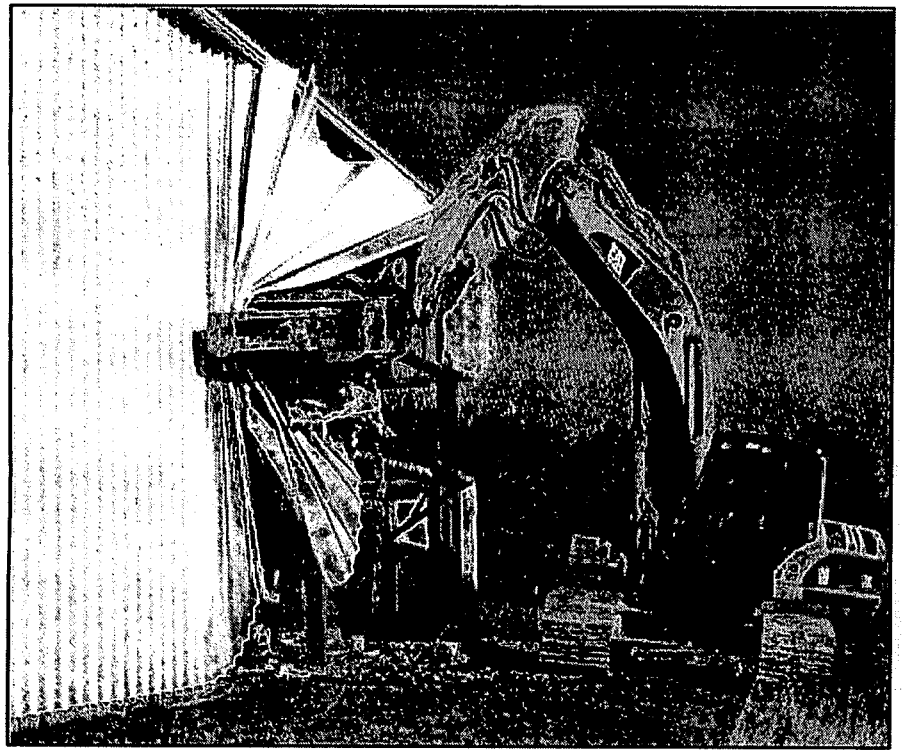
7177D-431



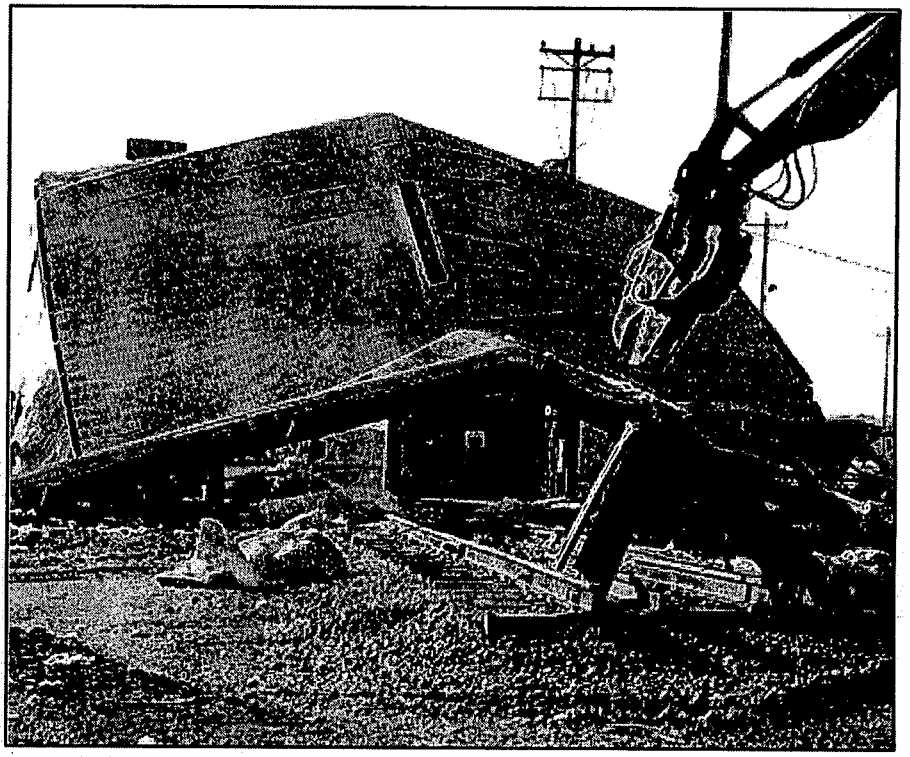
7177D-432

FERNALD
Closure Project

STRUCTURAL DEMOLITION
COMPONENT 24C – LOCOMOTIVE MAINTENANCE BUILDING

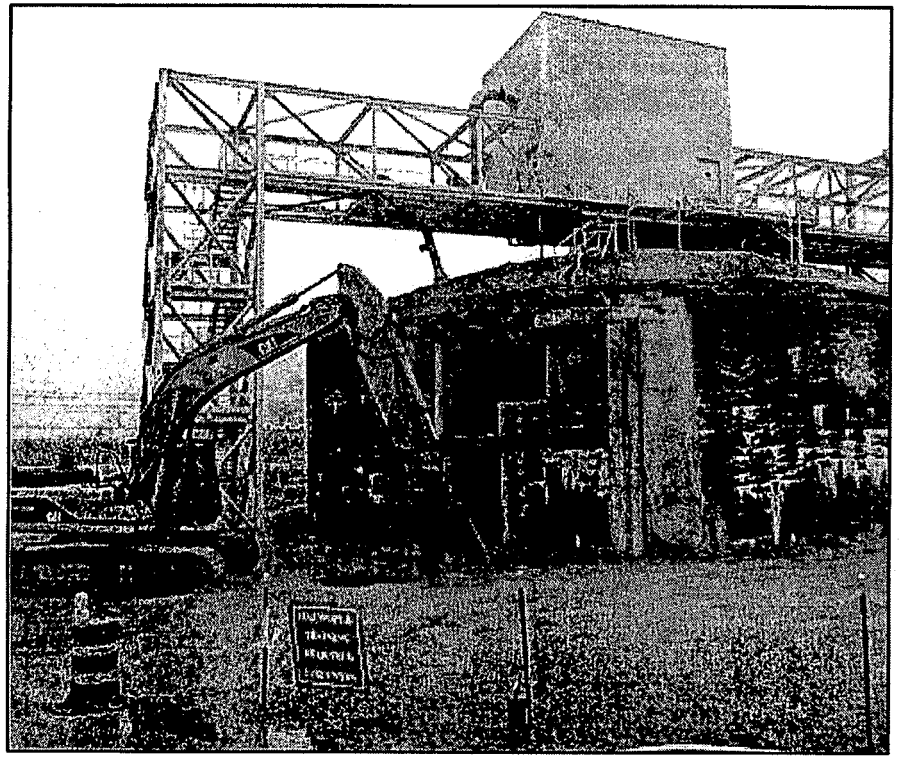


7177D-587

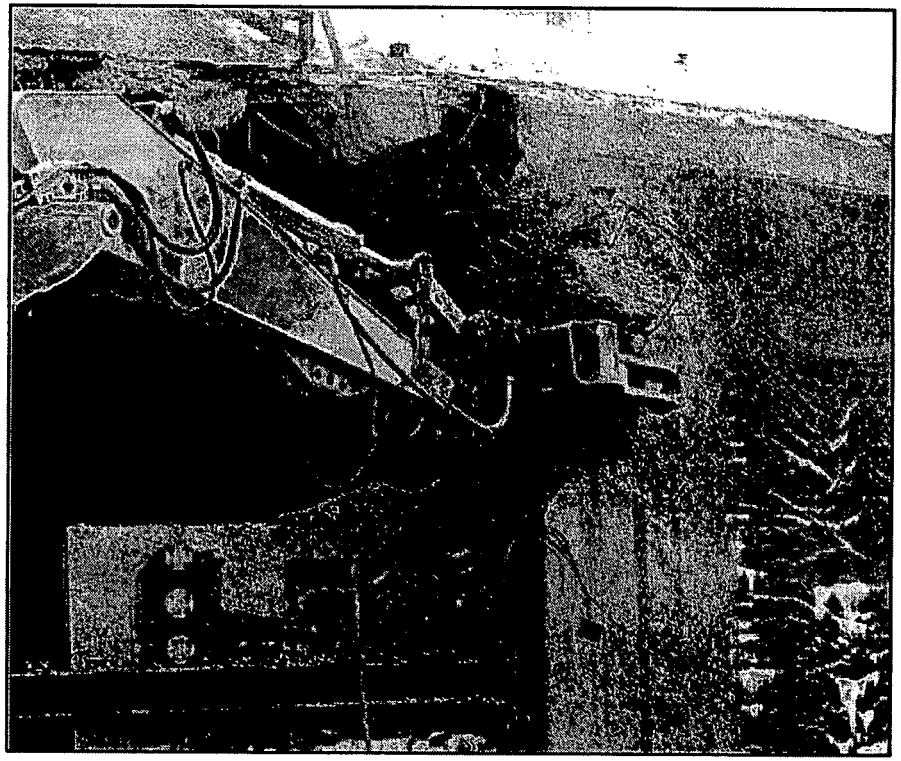


7177D-596

STRUCTURAL DEMOLITION
COMPONENT 35A – METAL OXIDE STORAGE TANK (SILO 4)

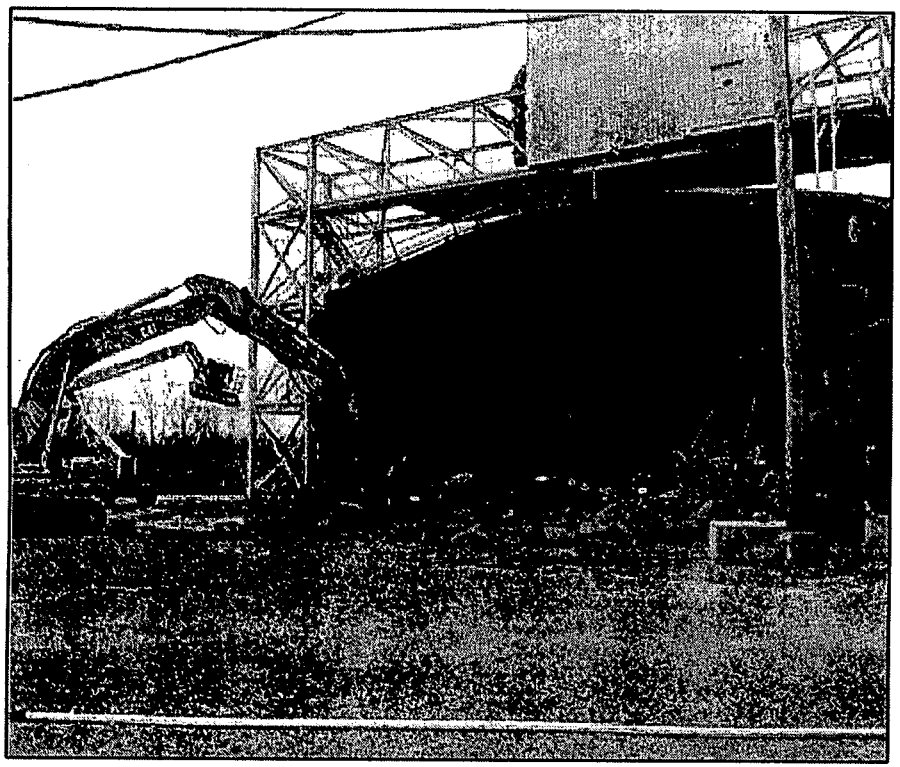


7815D-212



7815D-216

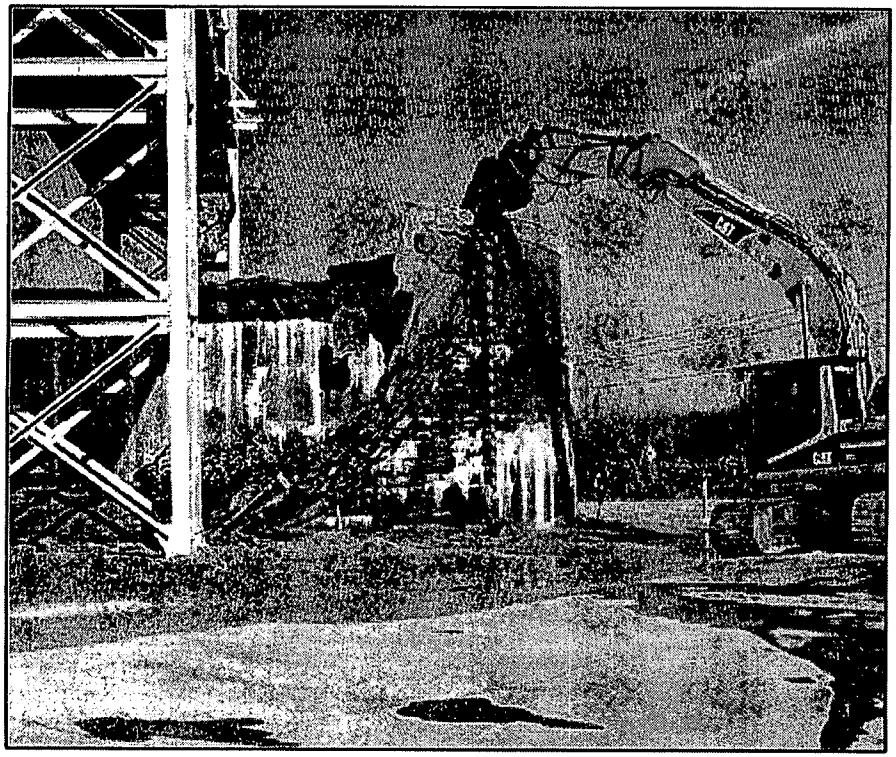
STRUCTURAL DEMOLITION
COMPONENT 35A – METAL OXIDE STORAGE TANK (SILO 4)



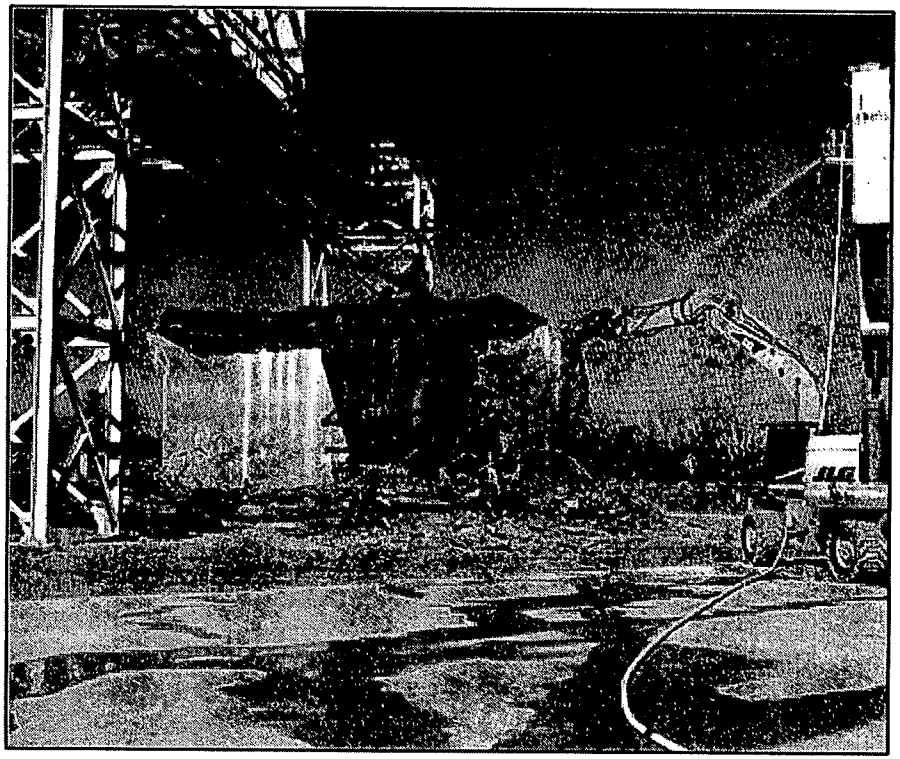
7815D-219

7815D-224

STRUCTURAL DEMOLITION
COMPONENT 35A – METAL OXIDE STORAGE TANK (SILO 4)

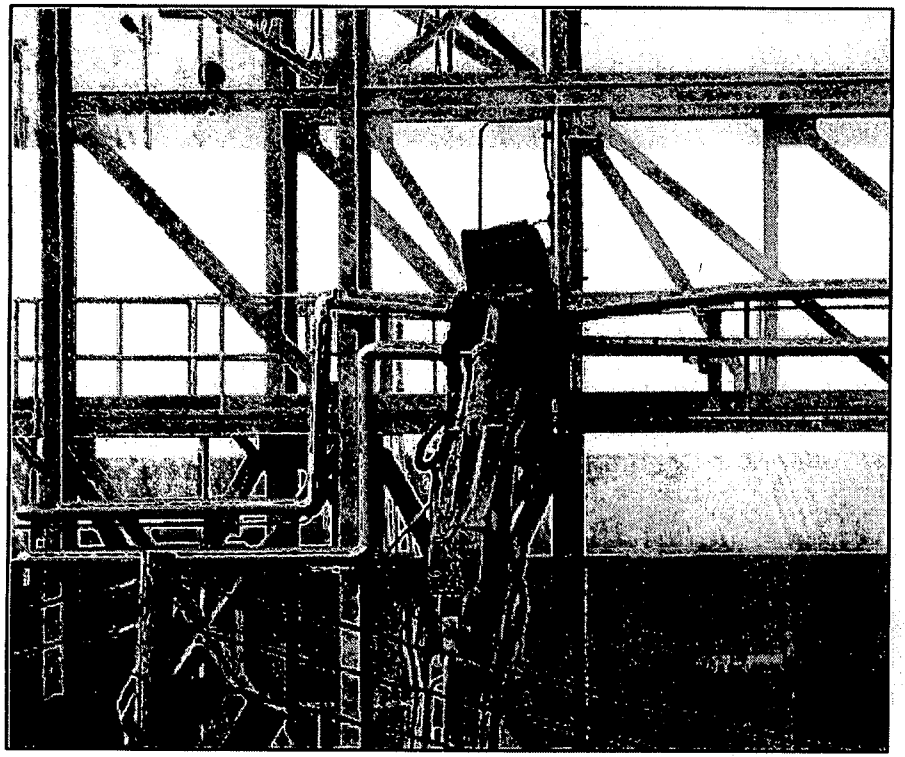


7815D-252

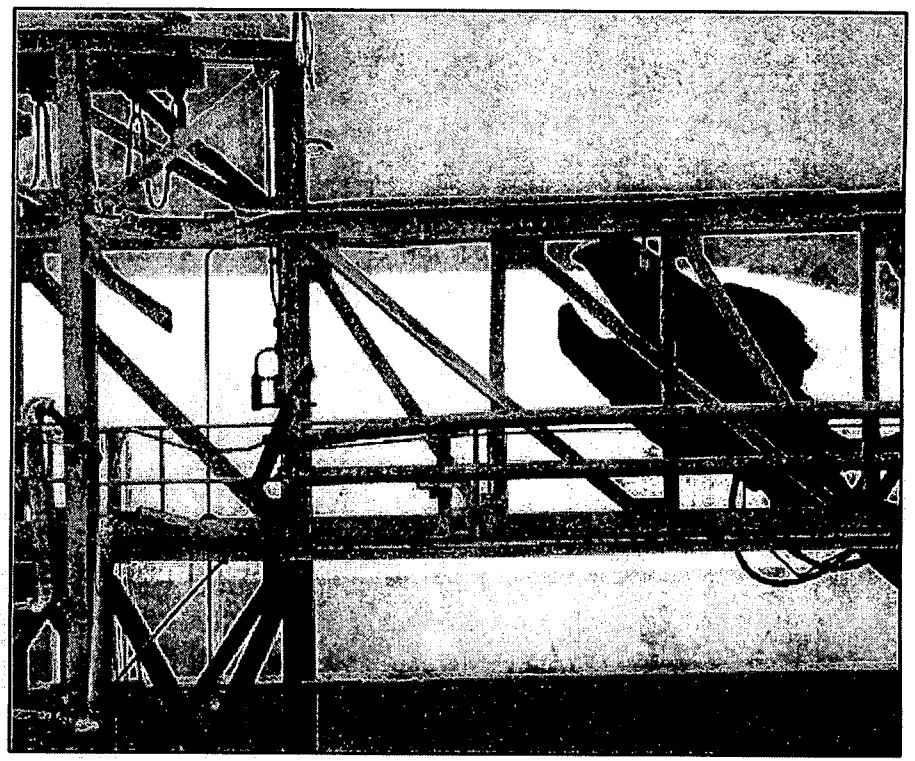


7815D-275

STRUCTURAL DEMOLITION
COMPONENT 35A BRIDGE – SILO 4 BRIDGE

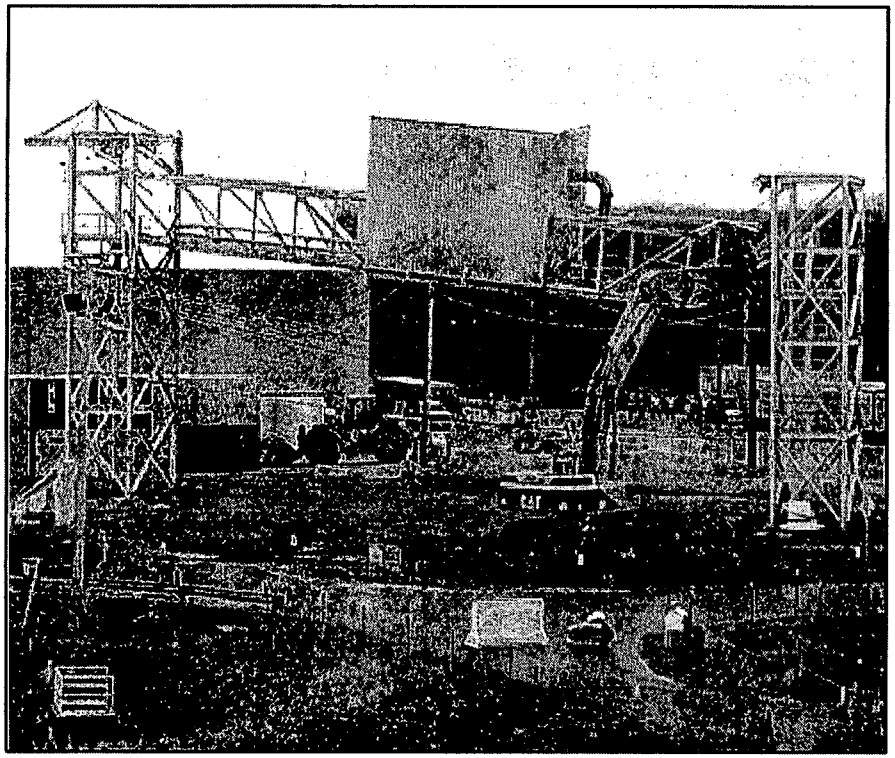


7815D-288

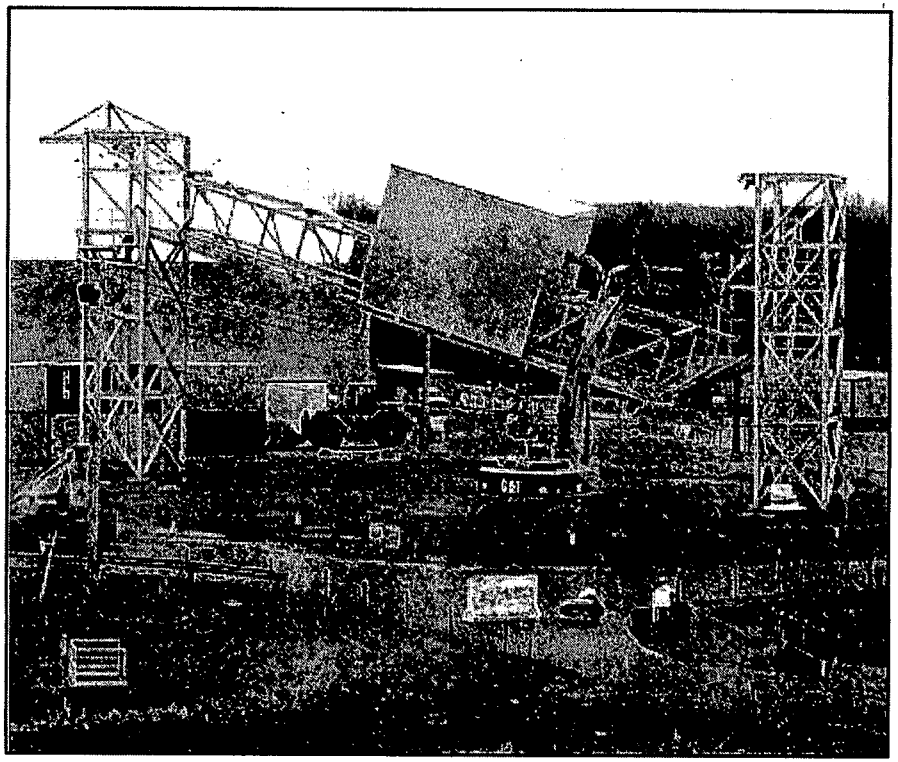


7815D-291

STRUCTURAL DEMOLITION
COMPONENT 35A BRIDGE – SILO 4 BRIDGE

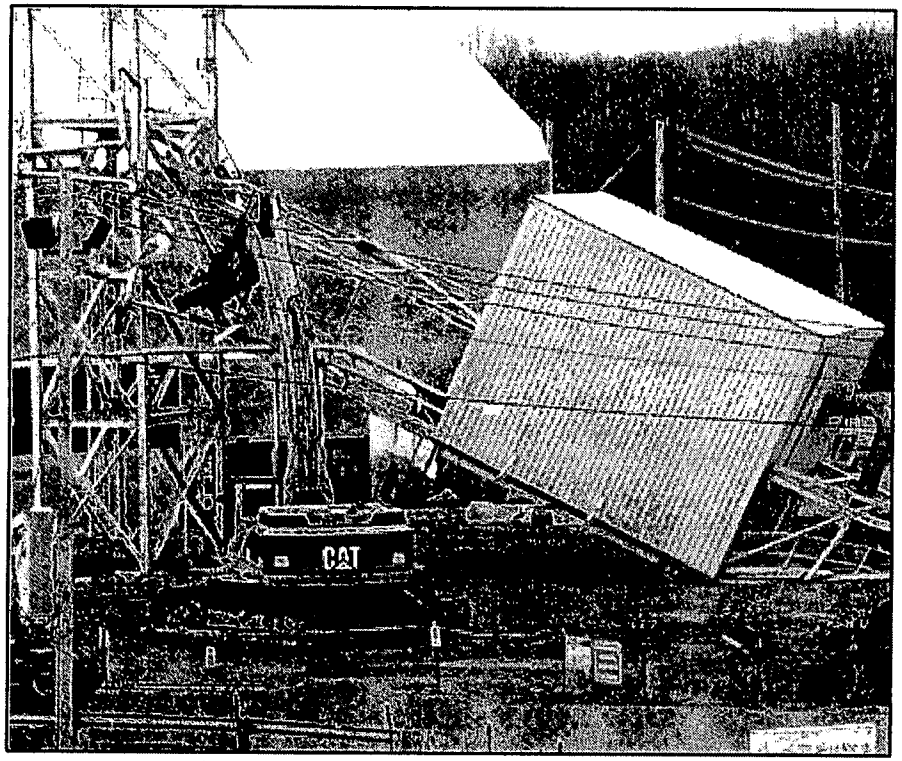


7815D-295

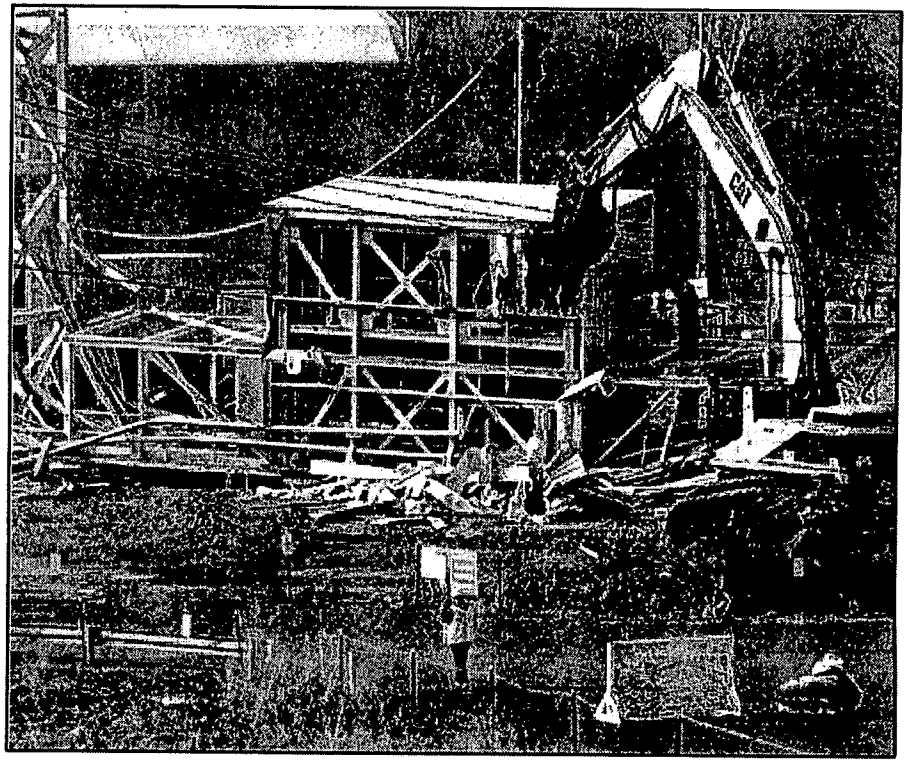


7815D-298

STRUCTURAL DEMOLITION
COMPONENT 35A BRIDGE – SILO 4 BRIDGE

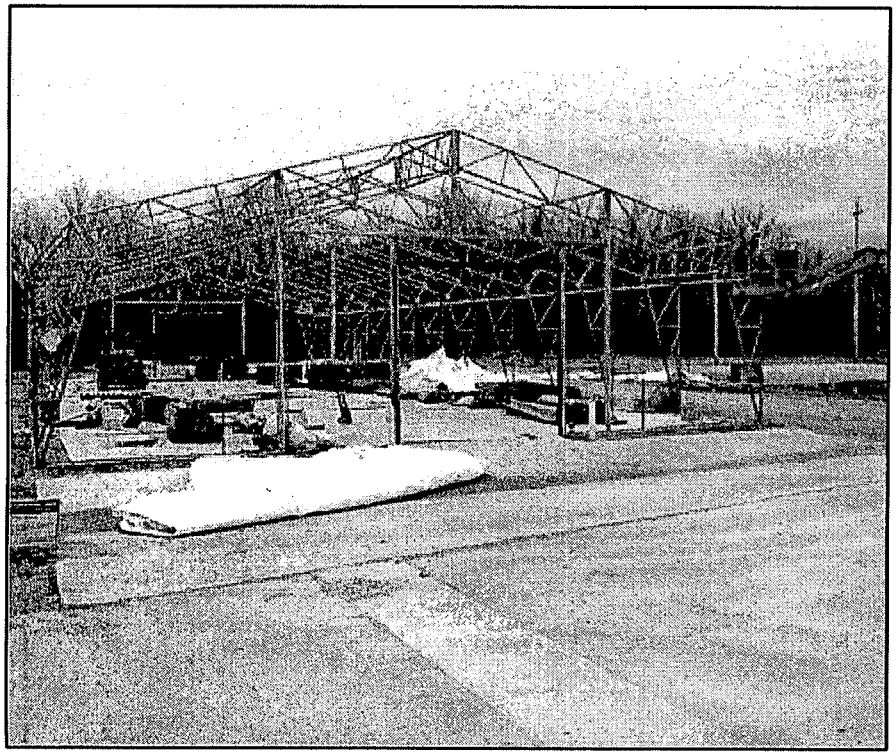


7815D-302

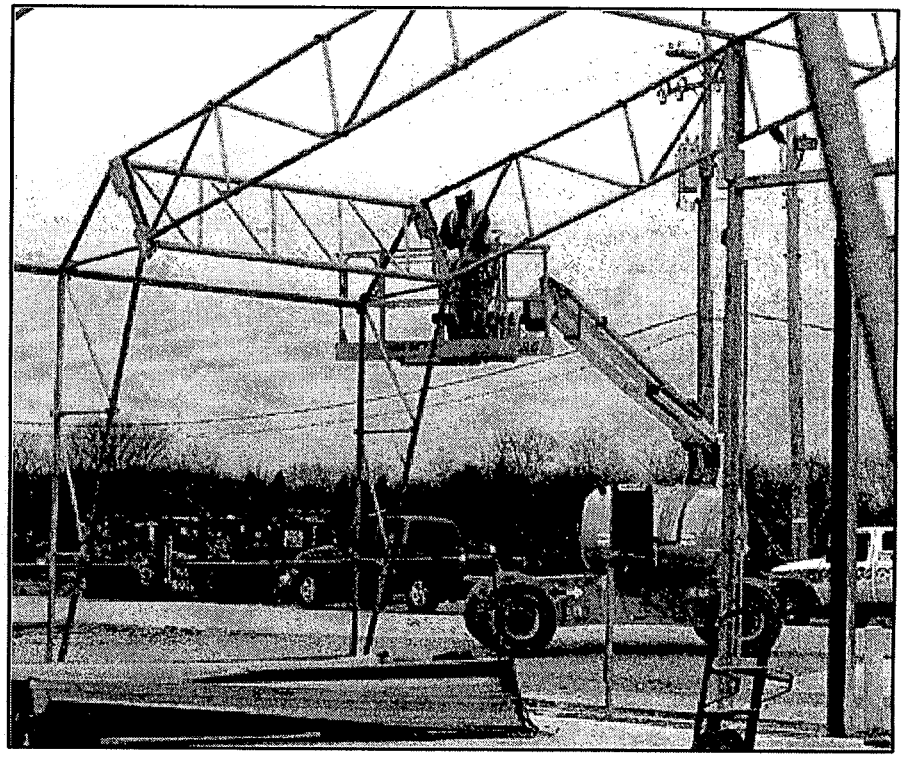


7815D-308

STRUCTURAL DEMOLITION
COMPONENT TS-08 – TENSION SUPPORT STRUCTURE #8



7177D-442



7177D-446