

FACILITY STATUS CHANGE FORM

1218925

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|--|--|---------------------------------|
| Date Submitted: January 11, 2013 | Area: 300 Area | Control #: D4-300-074 |
| Originator: Chris Strand | Facility ID: 382, 382B, 382C, 382D, and 382-BA | |
| Phone: 554-2720 | Action Memorandum: Action Memorandum #3 | |

This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

- All D4 operations required by action memo complete.
- D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

Deactivation: Utility isolations were performed on the facilities prior to beginning removal actions.

The following hazardous materials were removed prior to facility demolition: batteries, Freon, oil, light ballasts and miscellaneous construction materials. Asbestos containing materials were removed by certified asbestos workers. Hazardous material removal and waste disposition was performed in accordance with *Removal Action Work Plan for 300 Area Facilities, DOE/RL-2004-77, Revision 2 (RAWP)*.

Demolition: Above-grade demolition of the 382, 382B, 382C, 382D and 382-BA facilities were completed in November 2012. Below-grade demolition of all facilities was complete in December 2012. The demolition area was backfilled to grade with clean fill. The building debris from demolition was removed and disposed of at ERDF. The demolition was performed with Radiological and Industrial Hygiene controls.

Description of Deferral (as applicable):

N/A

Section 2: Underlying Soil Status

- No waste site(s) present. No additional actions anticipated.
- Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.
- Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.

Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

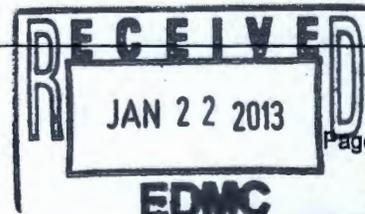
All above-grade structures and foundations were removed. Excavations were backfilled to grade with clean fill. GPERS surveys were performed prior to backfill.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

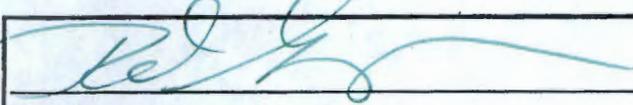
300-15 process sewer segments remain in the area. Waste Site 300-11 is located adjacent to, and below, the former location of the 382 Building and will undergo remediation as part of the 300-FF-2 Operable Unit. Rejected UIC well (WIDS 300-211) was removed during below-grade demolition.

Section 3: List of Attachments

1. Facility information (building history, characterization and identification of documented waste sites).
2. Project photographs.
3. GPERS Survey of the 382 Complex.



FACILITY STATUS CHANGE FORM

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|---|--|---------------------|
|  | | 1/11/2013 |
| DOE-RL | | Date |
| <i>Larry Gadbois</i> | | <i>Jan 15, 2013</i> |
| Lead Regulator | <input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology | Date |

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Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22
D4 EPL: Chris Strand, L4-45
Sample Design/Cleanup Verification: Theresa Howell, H4-22
FR Engineering: Eric Ison, L4-32
FR EPL: Chris Strand, L4-45

Attachment 1: Facility Information

Building Histories:

382

The 382 Pump Station was a one-story, two-room building constructed in 1943. It had a reinforced concrete slab floor supported by concrete foundation walls, concrete block walls, and a flat reinforced concrete slab roof covered with a tar and gravel surface. This building was used to treat and distribute sanitary water to the 300 area.

382B

The 382-B Fire Pump Station was constructed in 1996 to provide backup firewater to the 300 Area. The building was steel framed with a steel roof and walls set on a concrete slab and stem-walls.

382C

The 382-C was a 3,046,900L (900,000 gal) above-ground steel sanitary/fire water storage tank. 382-C was constructed in 1978.

382D

The 382-D was a 3,028,300L (800,000 gal) above-ground steel sanitary/fire water storage tank. 382D constructed in 1996 at the same time as the 382-B Pump House.

382-BA

The 382 Boiler Annex was constructed in 1997 and provided steam to the 382 and 382B facilities. The building contained a natural gas fired boiler and was steel framed, steel sided, and set on a concrete slab.

382 Facilities Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected on facility components that were demolished.

Table 1. Summary of Characterization Surveys at 310 and MO-744.

| Type | Date | Documented In | Results Summary |
|---|-------------------|---|---|
| Asbestos | January 26, 2012 | CCN # 166653 (Addresses all 382 facilities) | ACM limited to the 382 Building. All other facilities were found to contain no ACM. |
| IH Surveys and Beryllium Characterization | May 10, 2010 | CCN# 150838 (382 & 382B). | Both facilities determined to be free. All other contaminants of concern below action levels. |
| Radiological Surveys | November 21, 2011 | RSR-300PS-11-5159 (382 & 382B) | No radiological contamination was identified. |
| | December 1, 2011 | RSR-300PS-11-5279 (382BA) | |
| | December 9, 2011 | RSR-300PS-11-5389 (382C & 382D) | |

Associated WIDs sites:

300-15 process sewer segments remain in the area.

Waste Site 300-11 is located adjacent to, and below, the former location of the 382 Building and will undergo remediation as part of the 300-FF-2 Operable Unit.

Rejected UIC well (WIDS 300-211) was removed during below-grade demolition.

Anomalies Discovered During Demolition.

No anomalies were observed during the demolition of the 382 facilities. However, a faint gasoline odor could be detected in the area around the 382 Building during below-grade demolition. This can be attributed to the 300-11 Waste Site, which is scheduled for remediation as part of the 300-FF-2 Operable Unit work scope.

Soil beneath all 382 facilities displayed no visual evidence of staining or discoloration. GPERS surveys following below-grade demolition identified no contamination.

Attachment 2: Project Photographs

Photograph 1: Pre-demolition vertical aerial photograph of 382 Complex



Photograph 2. Looking northeast on November 1, 2011, during 382D above-grade demolition.



Photograph 3. Looking southeast on November 1, 2011, during 382D above-grade demolition.



Photograph 4. Looking south on August 29, 2012, during 382B above-grade demolition.



Photograph 5. Looking southeast on September 19, 2011, during 382B below-grade demolition



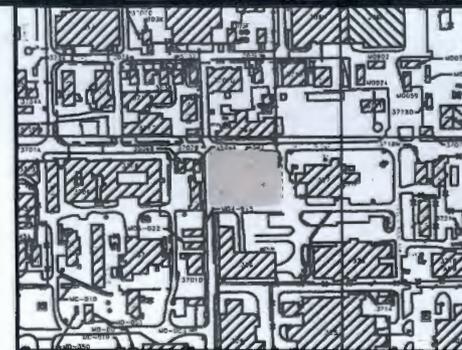
Photograph 6. Looking west on December 6, 2012 following backfill



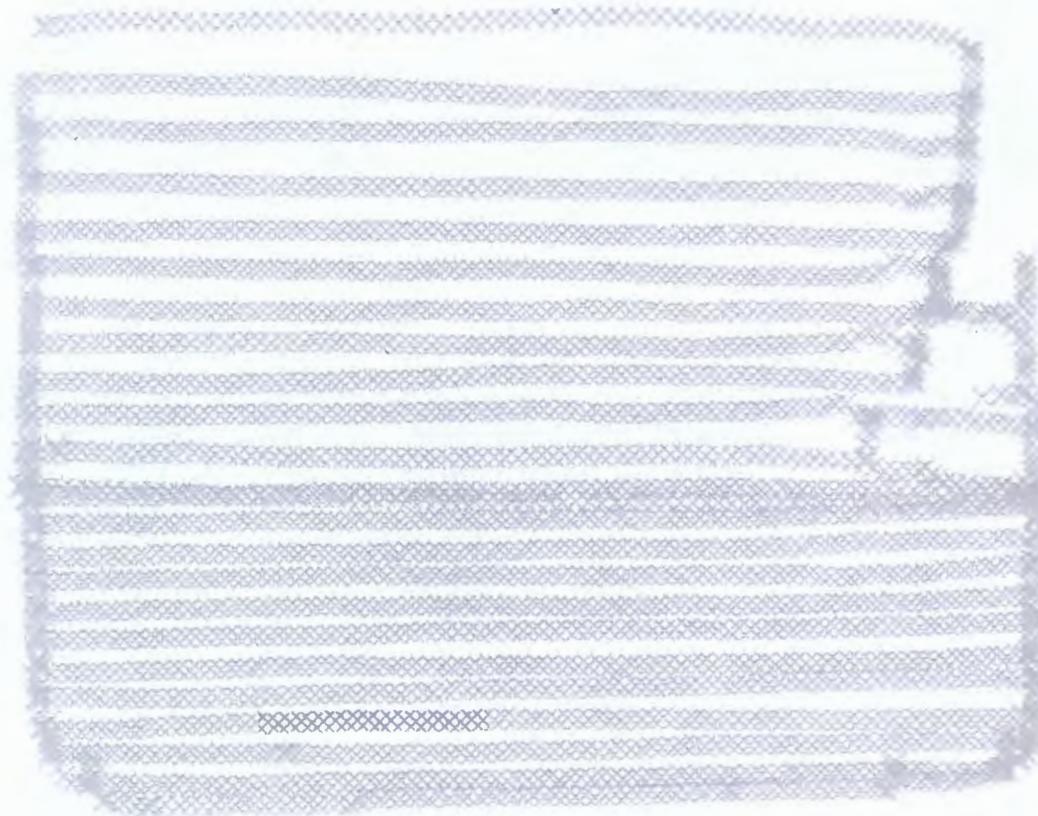
**Attachment 3: GPERS Survey of the 382 Complex Excavation
Prior to Backfill.**



↑
Bkg Location
340m North
1217 cpm



Site View



Copy

Legend

NET CPM

- × <1.5x bkg
- 1.5x bkg - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4, DD4_341
Number of Data Pnts: 2728
Type of Survey: gamma
Max GCPM: 2068
Avg Bkg CPM: 1217
Survey Date: 12/07/2012
Area Surveyed: 3910 m²
Project File: ESRFRM120149
Pdf File: ESRFRM120149C

**300 D4
382 Complex
GPERS Radiological Survey
Gamma Track Map**



Survey Map Prepared By Bruce Coomer, ESI