

Control #: D4-300-066

## FACILITY STATUS CHANGE FORM

<b>Date Submitted:</b> Jul 31, 2012	<b>Area:</b> 300 Area	<b>Control #:</b> D4-300-066
<b>Originator:</b> John Harrie	<b>Facility ID:</b> 3722, 3713 & 3706BA	
<b>Phone:</b> 509.308.9935	<b>Action Memorandum:</b> Action Memorandum #1	

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 facility prior to beginning facility decontamination.

The following hazardous materials were removed prior to facility demolition: asbestos, batteries, Freon, oil, light ballasts and miscellaneous construction materials. Asbestos abatement was performed 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 3713, 3722 and 3706BA facilities were completed in February of 2006 and August of 2007, respectively. Below-grade demolition of the 3713, 3722 and 3706BA foundation slabs were completed in April of 2012. Approximately 2-feet of soil was removed during slab demolition and the excavation backfilled with clean fill. The building debris were removed and disposed of at ERDF. The demolition was performed with Radiological and Industrial Hygiene controls.

**Description of Deferral (as applicable):**

None

**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:**

The 3713, 3722 and 3706BA building debris and slab foundations were removed and disposed of at ERDF. A GPERs survey is included as Attachment 3. Excavation was backfilled to grade with clean fill.

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

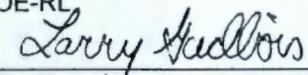
300-15 Process Sewer. 300-171 steam Condensate, misc. stream # 333 - not accepted, UIC grouted January, 2006 and top 3-feet removed during D4 demo. 300-172 steam condensate, misc. stream # 435 - not accepted, UIC grouted January 2006, not removed. 300-173 steam condensate, misc. stream # 512 - not accepted, outside of BFA & not removed. 300-174 steam condensate, misc. stream # 544 - not accepted, UIC grouted in January 2006 and top 3-feet removed during D4 demo. 300-185 steam condensate, misc. stream # 436 - not accepted, UIC grouted in January 2006, not removed.

**Section 3: List of Attachments**

- Facility information (building history, characterization and identification of documented waste sites).
- Project photographs.
- GPERs Surveys

BFA = Building Footprint Area

### FACILITY STATUS CHANGE FORM

		<p style="font-size: 1.2em; margin: 0;">7/31/2012</p>
DOE-RL 	Date <p style="font-size: 1.2em; margin: 0;">Aug 1, 2012</p>	
Lead Regulator <input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date	

**DISTRIBUTION:**

EPA: Larry Gadbois, B1-46  
 Ecology: Rick Bond, H0-57  
 DOE: Rudy Guercia, A3-04  
 Document Control, H0-30  
 Administrative Record, H6-08

SIS Coordinator: Ben Cowin, H4-22  
 D4 EPL: Chris Strand, L7-10  
 Sample Design/Cleanup Verification: Megan Proctor, H4-22  
 FR Engineering: Joe Delaney, L6-06  
 FR EPL: Chris Strand, L7-10

## Attachment 1: Facility Information

### Building History:

The 3713 Carpenter Shop was a 120' x 40' single-story, wood framed building constructed on a slab in 1944. Originally, the 3713 Building was used as a Receiving-Storeroom, but was converted to a carpenter, paint and sign shop in 1948. A concrete pad on the southeast corner was used for sandblasting.

The 3722 Building was a 140' x 42' single-story wood framed building constructed on a concrete slab in 1944 as a shop. During 1960s and 1970s, 3722 was used for the production of fuel targets.

The 3706BA Boiler Annex is a pre-engineered metal building on a concrete slab. The 3706BA was constructed in 1997 and contained a packaged gas fired steam boiler that provided steam to the 3706 Building.

### Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3713, 3722 and 3706BA Buildings.

**Table 1. Summary of Characterization Surveys at 3713, 3722 and 3706BA.**

Type	Date	Documented In	Results Summary
Asbestos	February 13, 2006	CCN# 126154	Floor tiles, mastic, roofing and exterior transite shingles were found to be ACM.
IH Surveys and Beryllium Characterization	December 1, 2005	CCN # 124970	Be, Pb, Cr, Cd and Hg samples were within background concentrations.
	December 1, 2005	CCN # 124971	
	June 13, 2006	CCN # 126624	
	June 13, 2006	CCN # 126628	
	July 2, 2007	CCN # 134694	
	November 17, 2011	CCN # 162524	
Radiological Surveys	October 10, 2005	RSR-300PS-05-0924	No radiological contamination was identified.
	October 10, 2005	RSR-300PS-05-0925	
	October 11, 2005	RSR-300PS-05-0938	
	October 11, 2005	RSR-300PS-05-0940	
	March 7, 2006	RSR-300PS-06-0454	
	March 14 2006	RSR-300PS-06-0498	
	June 11, 2007	RSR-300PS-07-1116	
	May 2, 2012	RSR-300PS-12-1520	
	May 7, 2012	RSR-300PS-12-1575	
	June 21, 2012	RSR-300PS-12-2263	

**Associated WIDs sites:** 300-15 Process Sewer. 300-171 steam condensate, misc. stream # 333 – not accepted, UIC grouted in January 2006, top 3-feet removed during D4 demo. 300-172 steam condensate, misc. stream #435 – not accepted, UIC grouted January 2006, not removed. 300-173 steam condensate, misc. stream #512 – not accepted, outside of BFA & not removed. 300-174 stormwater runoff, misc. stream #544 – not accepted, UIC grouted in January 2006 and top 3' feet removed during D4 demo. 300-185 steam condensate, misc. stream #436 – not accepted, UIC grouted January 2006, not removed.

**Anomalies Discovered During Demolition.**

Soil contamination was observed in an area approximately 15' x 15' on the east end of the 3722 slab following demolition. This area was over-excavated approximately 2' below-grade and the area was re-surveyed. The re-survey found no contamination, so the area was down-posted and backfilled. Soil beneath the 3713, 3722 and/or 3706BA Building slabs displayed no visual evidence of staining, discoloration, or residual debris.

## Attachment 2: Project Photographs

**Photo 1: Looking southwest at the 3713 Building in December of 2005.**



**Photo 2. Looking northwest at 3722 in October of 2005.**



**Photo 3. Looking east at 3713, 3722 and 3706BA slabs on April 18, 2011.**



**Photo 4. Looking east at 3706BA following slab removal in April of 2012.**



**Photo 5. Looking southeast at 3713 and 3722 following slab removal in May of 2012.**



**Photo 6. Looking south at 3706BA following backfill in July of 2012.**



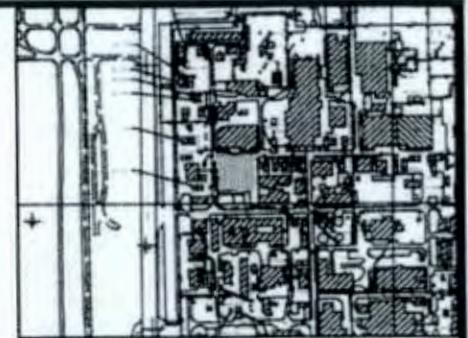
**Photo 7. Looking southeast at 3713 and 3722 following backfill in July of 2012.**



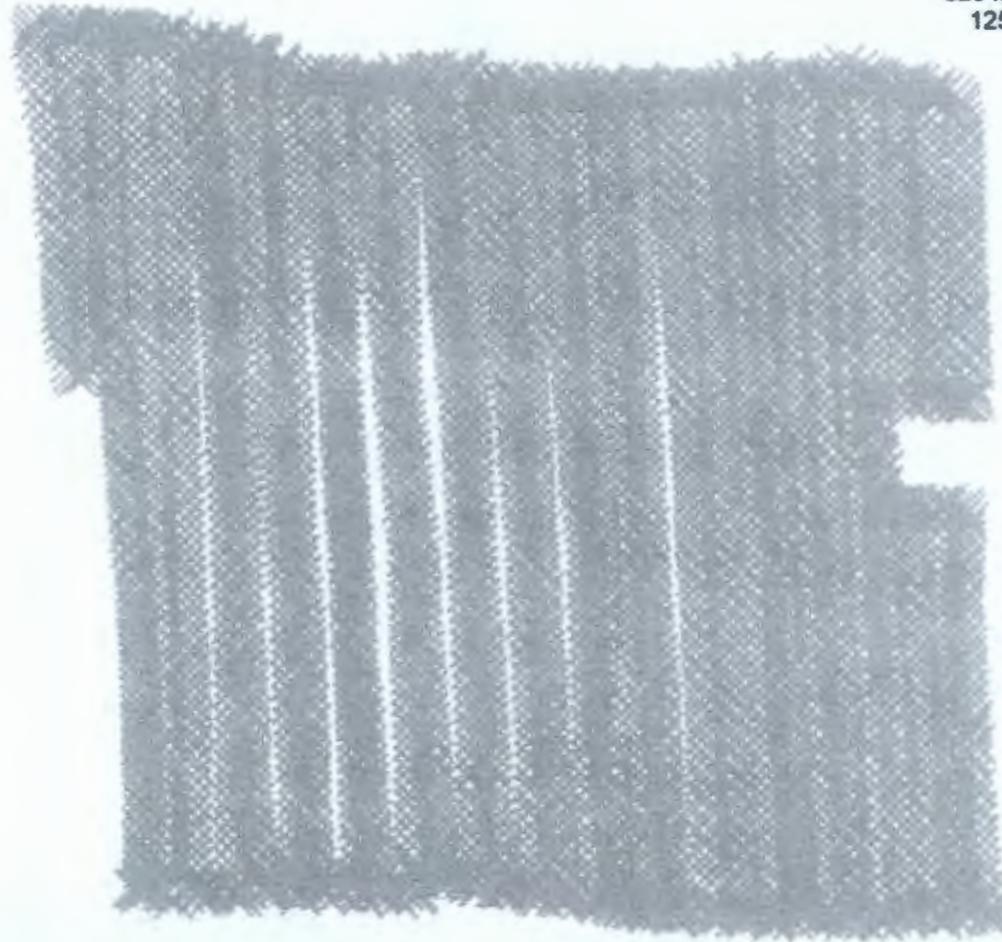
**Attachment 3: GPERS Surveys**



Bkg Location  
325 meters NE  
1255 cpm



Site View



Copy

**Legend**

NET CPM

- × <1882
- 1882 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

**Summary Statistics**

Coverage File: D4\_144  
 Number of Data Pnts: 2826  
 Type of Survey: gamma  
 Max GCPM: 2168  
 Avg Bkg CPM: 1255  
 Survey Date: 5/23/2012  
 Area Surveyed: 3,255 m<sup>2</sup>  
 Project File: ESRFRM120084  
 Pdf File: ESRFRM120084C

**300 D4**

**3713/3722**

**GPERS Radiological Survey  
Gamma Track Map**

0 2 4 6 8 10

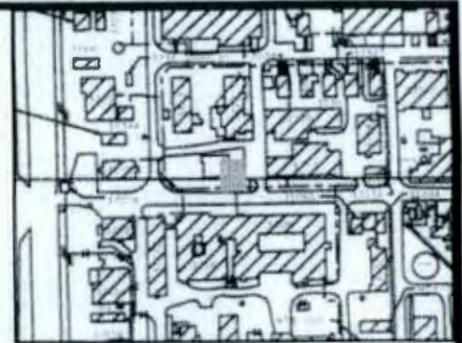


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Survey Map Prepared By Bruce Coomer, ESI



Bkg Location  
382 meters NE  
1217 cpm



Site View



Copy

**Legend**

NET CPM

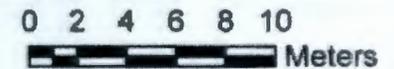
- X <1825
- 1825 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

**Summary Statistics**

Coverage File: D4\_93A  
Number of Data Pnts: 396  
Type of Survey: gamma  
Max GCPM: 1737  
Avg Bkg CPM: 1217  
Survey Date: 4/2/2012  
Area Surveyed: 311 m<sup>2</sup>  
Project File: ESRFRM120044  
Pdf File: ESRFRM120044C

**300 D4  
3706BA**

**GPERS Radiological Survey  
Gamma Track Map**



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Survey Map Prepared By Bruce Coomer, ESI