

FACILITY STATUS CHANGE FORM

Date Submitted: Jul 9, 2012 Originator: John Harrie Phone: 509.308.9935	Area: 300 Area Facility ID: 3709 Action Memorandum: Action Memorandum #3	Control #: D4-300-057
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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: lead, PCBs, asbestos, batteries, Freon, oil, light ballasts, and miscellaneous construction materials. Hazardous material removal and waste disposition was performed in accordance with *Removal Action Work for 300 Area Facilities*, DOE/RL-2004-77, Revision 2 (RAWP). Asbestos abatement was performed by certified asbestos workers. The area was down-posted prior to backfill.

Demolition: Above-grade demolition of the 3709 facility was completed in May of 2007. The building debris were removed and disposed of at ERDF. Below-grade demolition of the 3709 foundation slab was completed in April of 2012 and backfilled with clean fill in June of 2012. 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 buildings and slab foundations were removed and disposed of at EDRF. A GPERS survey is included as Attachment 3.

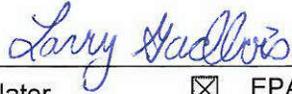
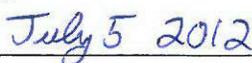
Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

Rejected UIC 300-164: 3709 Steam Condensate Misc. Stream # 338 was decommissioned. 300-15 was removed within the excavation layback.

Section 3: List of Attachments

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

FACILITY STATUS CHANGE FORM

			
DOE-RL		Date	
			
Lead Regulator	<input checked="" type="checkbox"/> EPA	<input type="checkbox"/> Ecology	Date

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FR EPL: Chris Strand, L7-10

Attachment 1: Facility Information

Building History:

Over its 60-year history, the 3709 Building was known as the Fire Station, the Experimental Mechanics Laboratory, and, most recently, the Paint Shop. As originally constructed, the 3709 Building was a single-story, 47' by 38' wood frame structure on a concrete slab. Centered on the south wall was a 30' high hose-drying tower. The exterior walls were asbestos shakes, and the roof was wood base with built up felt, tar, and gravel surface.

The 3709 Building was the 300 Area fire house from 1944 until 1964, when a new fire house (3709A) was constructed. The building was then expanded west by 17', modified internally, and became the Experimental Mechanics Laboratory (also called the Engineering Mechanics Laboratory). Static and dynamic stress testing of various equipment and materials was conducted, including the accelerometer testing (in the tower area) and the pure bend fixture (in the northeast corner). In 1978, the building was expanded by 11' to its final width of 66', the tower was removed, and the facility was used as a paint shop. The building contained two small offices, a lunchroom, kitchen, bathroom, and heated and vented rooms that were devoted to paint and solvent storage, sign painting, spray painting, silk screening, sandblasting, and paint drying.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3709 Building.

Table 1. Summary of Characterization Surveys at 3709.

Type	Date	Documented In	Results Summary
Pre-Demolition			
Asbestos	Jan 10, 2007	CNN 131669	Shake siding, roofing, floor tiles, wall board, table tops, a fire door and pipe insulation was identified as ACM.
IH Surveys and Beryllium Characterization	Nov 28, 2005	CNN 124968	Mercury and VOCs samples less than detection limits. Be less than 0.2 ug/100cm ² .
	Dec 12, 2006	CNN 131195	
	Oct 17, 2011	CNN 161796	
Radiological Surveys	Nov 9, 2005	RSR-300PS-05-1113	No radiological contamination was identified. Slab was posted RCA.
	Nov 21, 2005	RSR-300PS-05-1180	
	May 21, 2007	RSR-300PS-07-0969	
	Jan 3, 2007	RSR-300PS-07-0012	
	May 31, 2007	RSR-300PS-07-1052	

Associated WIDs sites:

300-15, 300 Area Process Sewer
Rejected UIC 300-164, 3709 Steam Condensate, Misc. Stream # 338.

Anomalies Discovered During Demolition.

No anomalies were discovered during the demolition of 3709. A visual inspection of the excavation identified no stained or discolored soil. GPERS survey results were a background levels. The area was down-posted prior to backfill with clean import fill.

Attachment 2: Project Photographs

Figure 1: 3709 on October 24, 2005



North

Figure 2. 3709 Building on January 8, 1945

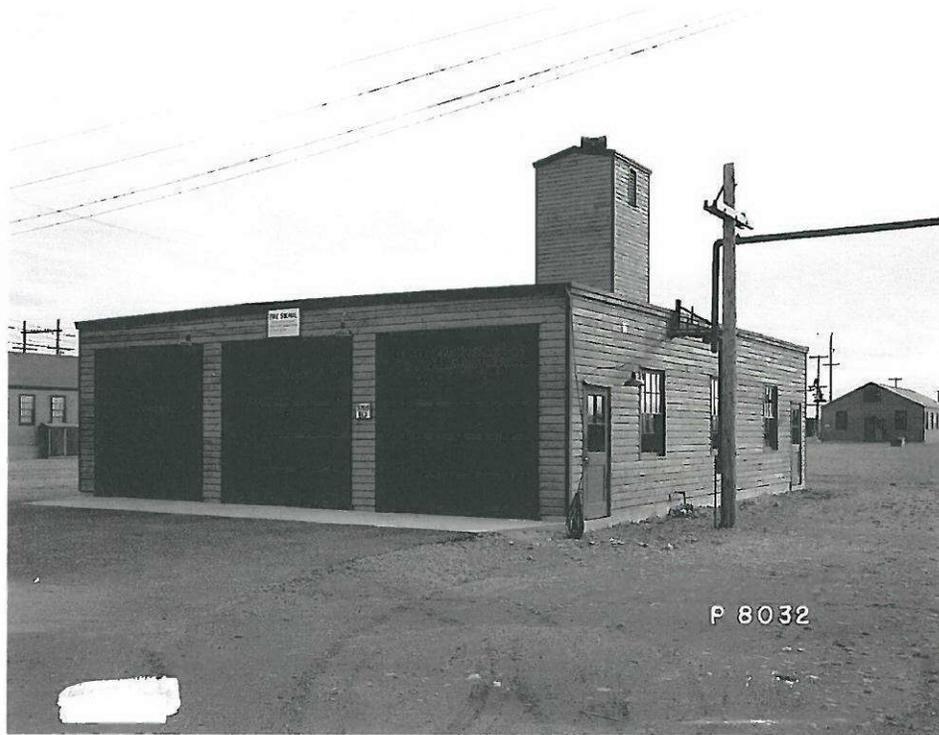
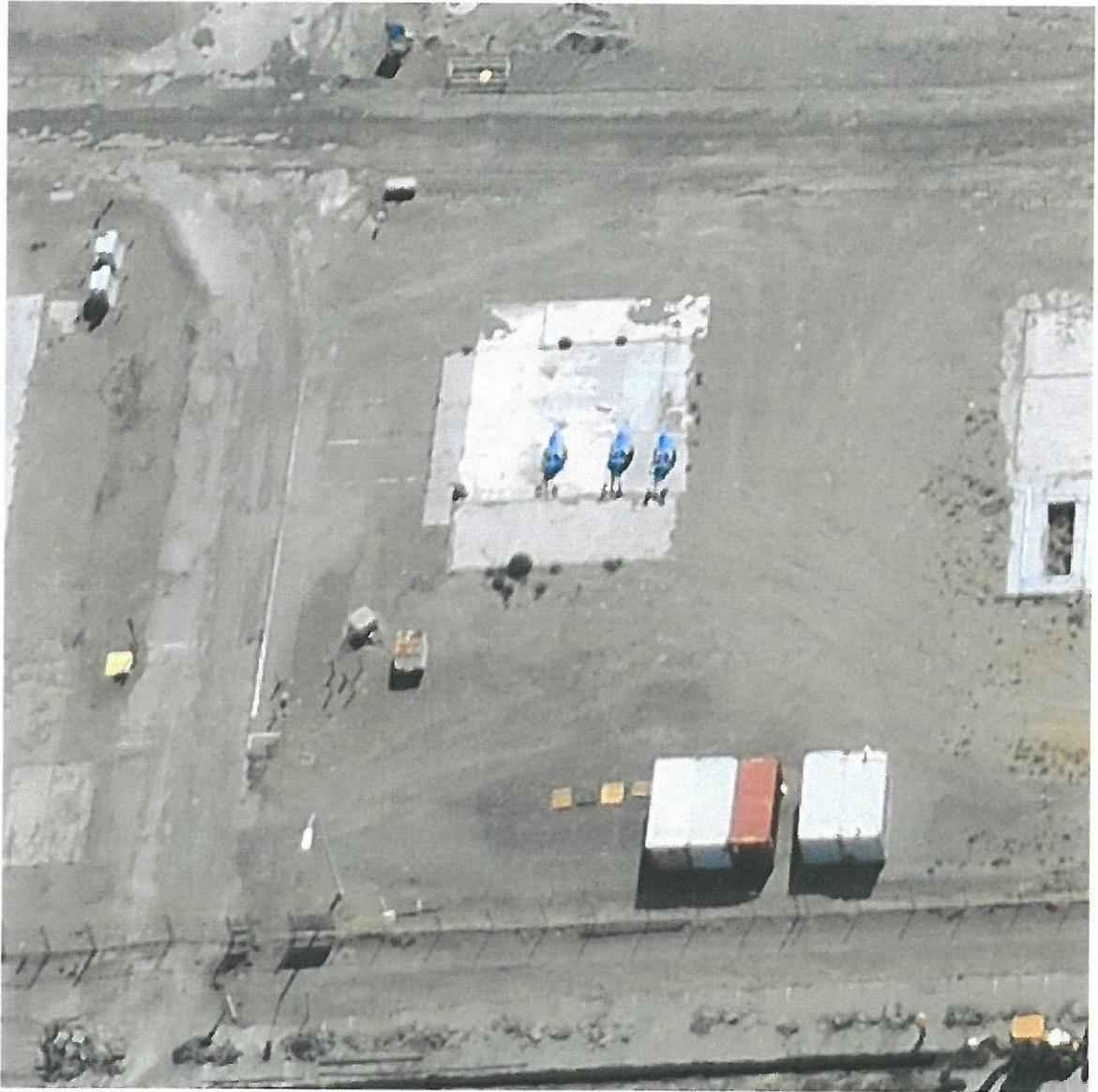


Figure 3. 3709 Building on November 20, 2006



Figure 4. 3709 after above-grade demolition on July 16, 2008

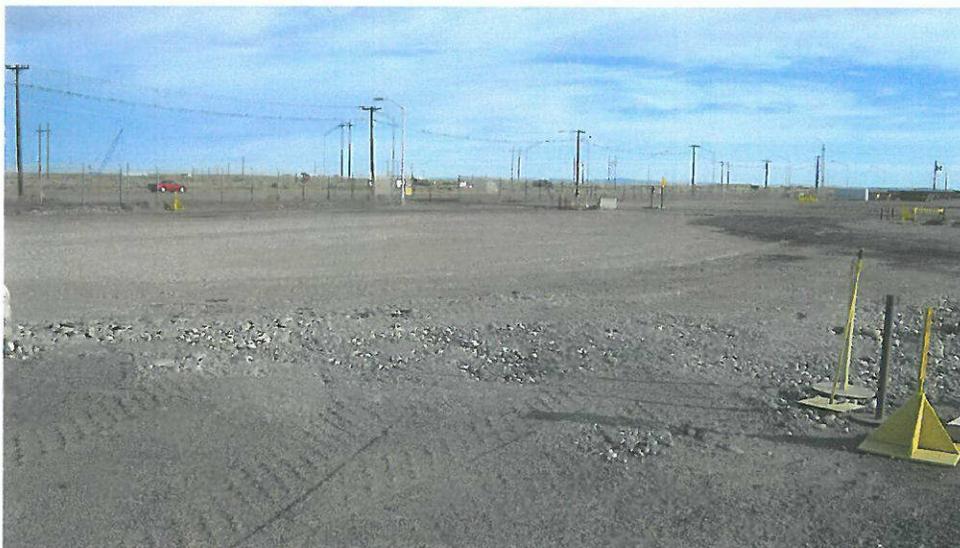


North

Figure 5. Looking South at 3709 following below-grade demolition on April 3, 2012.



Figure 6. Looking north at 3709 following backfill on June 19, 2012.

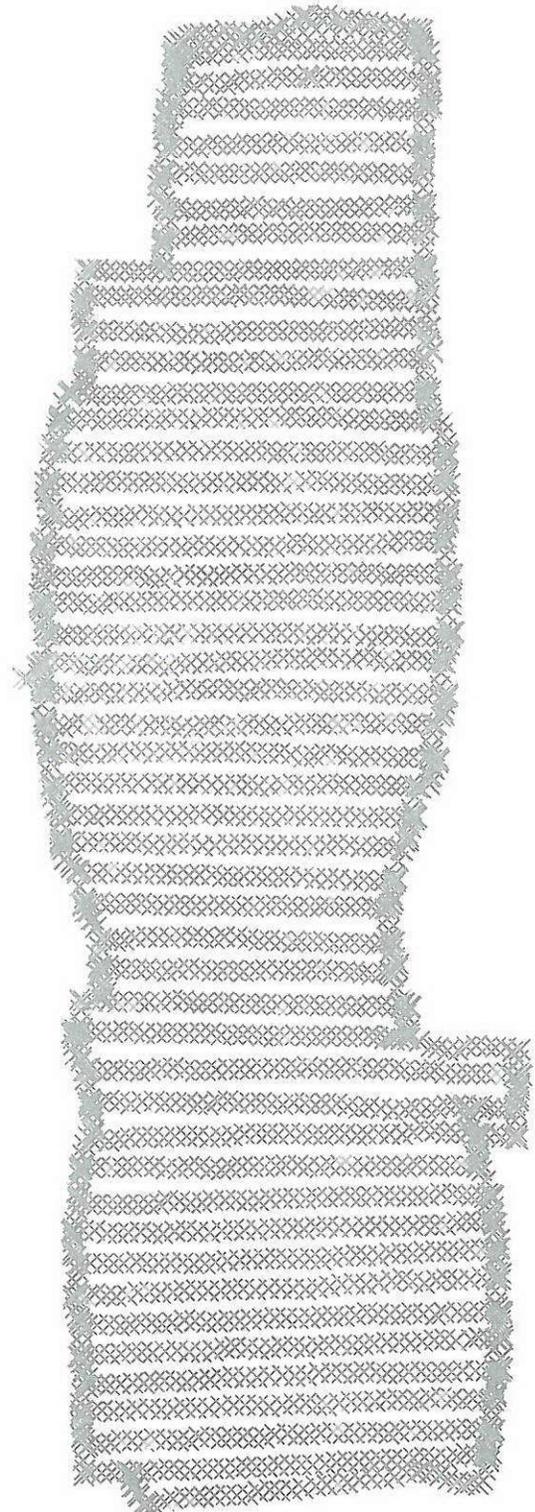
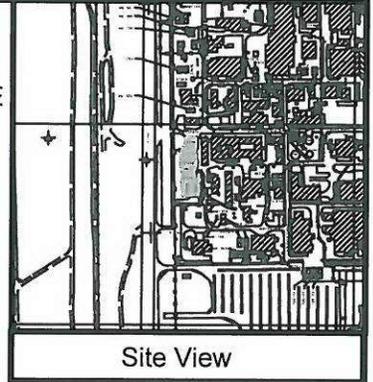


Attachment 3. GPERS Survey

300 D4 - 3709, 3745A/B, 3746/A GPERS Radiological Survey - Gamma Track Map



Bkg Location
465 meters NNE
1290 cpm



Net cpm

- × <1935
- 1935 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D075
 Number of Data Pnts: 2519
 Type of Survey: gamma
 Max GCPM: 2062
 Avg Bkg CPM: 1290
 Survey Date: 3/15/2012
 Area Surveyed: 3646 m²
 Project File: ESRFRM120040
 Pdf File: ESRFRM120040C



Survey map Prepared by Bruce Coomer, ESI

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