Control #: D4-300-064

Acrobat 8.0

FACILITY STATUS CHANGE FORM

1217366

Date Submitted:	Area:	Control #:
Jul 16, 2012	300 Area	D4-300-064
Originator:	**Facility ID:**	
John Harrie	3705 & 3705BA	
Phone:	**Action Memorandum:**	
509.308.9935	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:

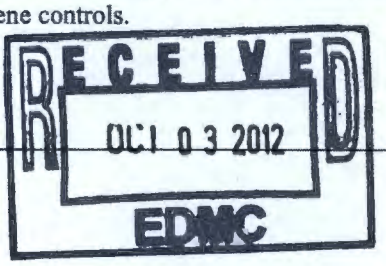
Deactivation: Utility isolations were performed on the facility prior to beginning facility decontamination.

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 3705 and 3705BA facilities were completed in June of 2006 and August of 2007, respectively. Below-grade demolition of the 3705 and 3705BA 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 3705 and 3705BA building debris and slab foundations were removed and disposed of at EDRF. A GPERS survey is included as Attachment 3. Excavation was backfilled to grade with clean fill. 300-15 segments removed within the excavation layback.

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

300-15 - Process Sewer.
300-127 stormwater runoff, misc. stream # 410 - not accepted.
300-128 stormwater runoff, misc. stream # 411 - not accepted.
300-129 stormwater runoff, misc. stream # 412 - not accepted.
300130 stormwater runoff, misc. stream # 413 - not accepted. The drains adjacent to the building were demolished with the 3705 building slab, but the drain fields associated with these features were not removed.

Section 3: List of Attachments

1. Facility information (building history, characterization and identification of documented waste sites).

FACILITY STATUS CHANGE FORM

2. Project photographs.
3. GPERS Survey

DOE-RL	Date 7/17/12
Lead Regulator ☒ EPA ☐ Ecology	Date July 18, 2012

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: Jason Olsson, L6-06
FR EPL: Chris Strand, L7-10

Attachment 1: Facility Information

Building History:

The 3705 Photography Building was constructed in the early 1950s and was a rectangular, one-story concrete structure built on a concrete slab on-grade. The 3705 Building had no windows and was partitioned inside into small process rooms. There were 32 sink and floor drains and a silver recovery system that discharged to the process sewer until 1988. The 3705 Building was initially designed to process film badges, but was changed to a photography shop in the early 1970s. The 3705 Building was managed by Pacific Northwest national Laboratories (PNNL) from 1965 to 1987 when it was transferred to Westinghouse Hanford.

The 3705BA Boiler Annex is a pre-engineered metal building on a concrete slab. The 3705BA was constructed in 1997 and contained a packaged gas fired steam boiler.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3705 and 3705BA Buildings.

Table 1. Summary of Characterization Surveys at 3705 and 3705BA.

Type	Date	Documented In	Results Summary
Asbestos	May 10, 2006	CCN# 127784	Floor tiles, mastic, roofing and Formica counters were found to be ACM.
IH Surveys and Beryllium Characterization	November 14, 2005 July 2, 2007 November 17, 2011	CCN # 124454 CCN # 134694 CCN # 162522	Be, Pb, Cr, Cd and Hg samples were within background concentrations.
Radiological Surveys	November 12, 2005 November 19, 2005 November 19, 2005 April 24, 2007	RSR-300PS-05-0953 RSR-300PS-05-0985 RSR-300PS-05-0982 RSR-300PS-07-0814	No radiological contamination was identified.

Associated WIDs sites:

300-15 Process Sewer.
300-127 stormwater runoff, misc stream #410 – not accepted.
300-128 stormwater runoff, misc stream #411 – not accepted.
300-129 stormwater runoff, misc stream #412 – not accepted.
300-130 stormwater runoff, misc stream #413 – not accepted.
The drains adjacent to the building were demolished with the 3705 building slab, but the drain fields associated with these features were not removed.

Anomalies Discovered During Demolition.

No anomalies were observed during the demolition of the 3705 and 3705BA Buildings. Soil beneath the slab displayed no visual evidence of staining or discoloration. Process sewer removed within the excavation layback.

Attachment 2: Project Photographs

Figure 1: Looking northwest at the 3705 Building in July of 2004.

Figure 2. Looking west at 3705BA in July of 2004.

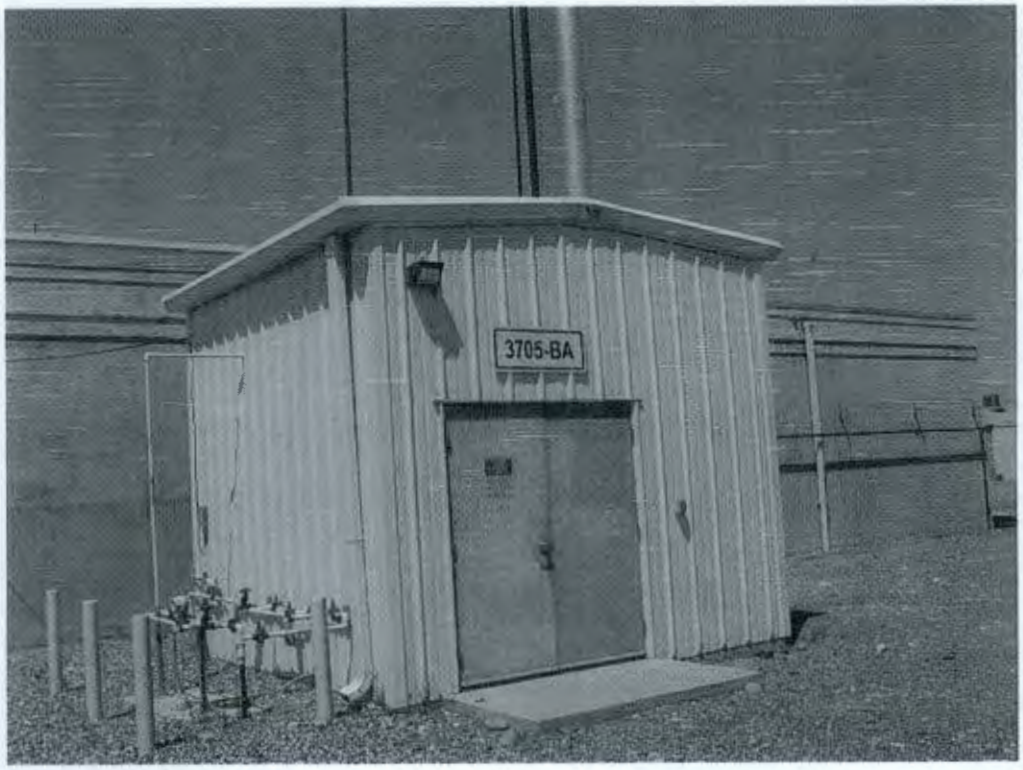


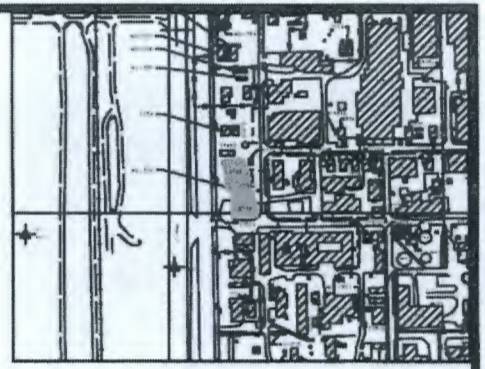
Figure 3. Looking south at 3705 and 3705BA following slab removal in April of 2012.

Figure 4. Looking north at 3705 and 3705BA following backfill in July of 2012.

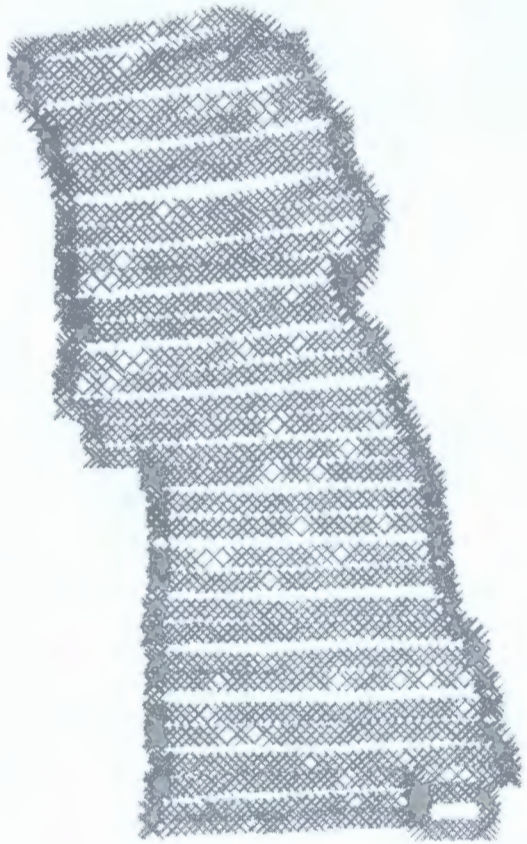
Attachment 3: GPERS Survey

N

Bkg Location
394 meters NE
1217 cpm



Site View



Copy

Legend	Summary Statistics
NET CPM	Coverage File: D4_93
	Number of Data Pnts: 1733
	Type of Survey: gamma
× <1825	Max GCPM: 1747
● 1825 - 5000	Avg Bkg CPM: 1217
● 5000 - 10000	Survey Date: 4/2/2012
● 10000 - 25000	Area Surveyed: 2411 m^2
● 25000	Project File: ESRFRM120043
	Pdf File: ESRFRM120043C

300 D4
3705, 3705BA, 3719
GPERS Radiological Survey
Gamma Track Map

0 5 10 15 20 25
Meters

Environmental Excellence
HANFORD

EBERLINE SERVICES
HANFORD, INC.

Survey Map Prepared By Bruce Coomer, ESI