

FACILITY STATUS CHANGE FORM

1219503

Date Submitted: February 13, 2013	Area: 300 Area	Control #: D4-300-033-1
Originator: Chris Strand	Facility ID: 3727	
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 facility prior to beginning removal actions.

The following hazardous materials were removed prior to facility demolition; freon, oils, lights, batteries, and Category I asbestos containing materials (ACM). ACM was removed by certified asbestos workers.

Demolition: The above-grade portion of 3727 was demolished in June, 2008 (reference D4-300-033). Below-grade demolition of the slab and foundation was completed in January of 2013. The excavation area was backfilled to grade with clean fill. Above-grade building and slab debris from demolition was removed and disposed of at ERDF. The demolition was performed under 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:

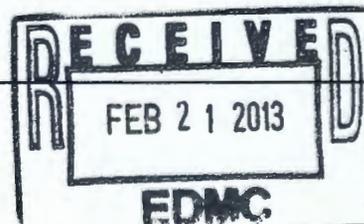
All above-grade structures and foundations were removed. Excavations were backfilled to grade with clean fill. GPERS surveys were performed prior to backfill. No radiological or Industrial Hygiene postings remain.

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

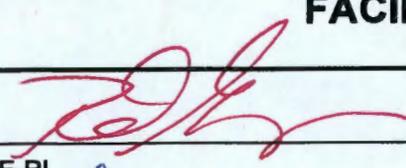
The 316-3 Waste Site underlies a portion of the former 3727 Building. The waste site was reclassified as No Action prior to removal of the 3727 slab and foundation.

Section 3: List of Attachments

1. Facility information (building history and characterization).
2. Project photographs.
3. GPERS Surveys of the 3727 excavation.



FACILITY STATUS CHANGE FORM

		<u>2/13/2013</u>
DOE-RL	<u>Larry Gadbois</u>	Date <u>Feb 13 2013</u>
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 (300-FF-2 OU)

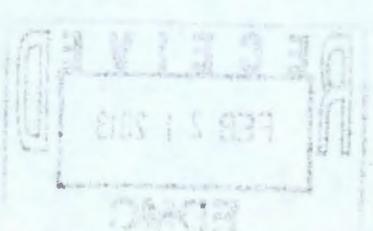
SIS Coordinator: Ben Cowin, H4-22

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 History:

3727 Classified Storage Vault

The 3727 Building was a concrete block structure with a poured concrete foundation floor, one foot thick concrete walls, and flat roof. The building dimensions were 37 ft by 23 ft. 3727 was used for the secure storage of classified documents and fuel pins. Types of material considered classified were printed information that would jeopardize national security; more specifically information about testing new technology, processes, or materials being performed at Hanford. This included fuel manufacturing, fuel processing, and laboratory results. The 3727 Building was also equipped with storage racks designed for holding fuel pins until they were needed for use in outer area production reactors.

Demolition of the above-grade portion of 3727 was completed in June 2008. The slab and below-grade foundation was deferred to pending investigation of the 316-3 waste site that underlies a portion of the building. The 316-3 was a candidate waste site and underwent investigation sampling in August and September of 2012. Sample results demonstrated the site met 300-FF-2 remedial action goals. The 316-3 waste site was subsequently reclassified as "No Action" in accordance with Waste Site Reclassification Form 2012-099. Reclassification of the waste site eliminated the interference to removing the 3727 slab and foundation, which were demolished in January of 2013.

3727 Characterization

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected prior to demolition. Note: complete scoping surveys and characterization sampling was conducted prior above-grade demolition; reference D4-300-033.

Table 1. Summary of Characterization Surveys at 3727

Type	Date	Documented In	Results Summary
Asbestos	June 7, 2006	CCN # 128135	Category I ACM identified in several forms (flooring and mastics).
IH Surveys and Beryllium Characterization	December 21, 2005	CCN# 125094	Building determined to be Be free. All other contaminants of concern below action levels.
	May 24, 2012	CCN# 165997 (slab only)	
Radiological Surveys	January, 2005	RSR-300PS-05-1185	Pre-demolition, no radiological contamination identified.
	November 17, 2008	RSR-300PS-08-3536	Down-posting survey of slab, no contamination identified.

Associated WIDS sites:

No WIDS sites were associated with 3727 operations. However, the no-action 316-3 waste site (307 Disposal Trenches) lies below and to the east of the former 3727 building location.

Anomalies Discovered During Demolition.

No anomalies were discovered during demolition. Soils beneath the slab and foundation displayed no visual evidence of staining or discoloration. A final GPERS survey of the excavation following below-grade demolition identified no radiological contamination.

Attachment 2: Project Photographs

Photograph 1: 3727 looking north, March 31, 2006.



Photograph 2. Aerial view of 3727 foundation, looking west on December 4, 2012.



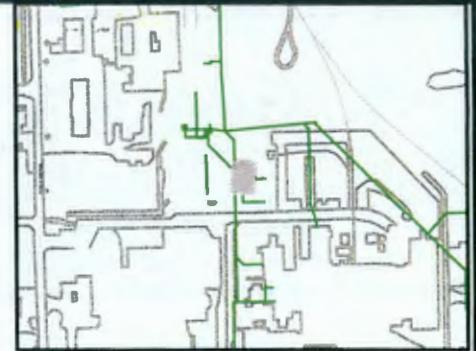
Photograph 3. 3727 excavation looking north, February 4, 2013.



Photograph 4. 3727 backfilled, looking northeast on February 6, 2013.



**Attachment 3: GPERS Surveys of the 3727 Excavation
Prior to Backfill
(Beta and Gamma Tracks)**



Site View

← Bkg Location
100 meters W
390 cpm



Copy

Legend

NET CPM

- × <585
- 585 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4_031
Number of Data Pnts: 115
Type of Survey: beta
Max GCPM: 598
Avg Bkg CPM: 390
Survey Date: 1/31/13
Area Surveyed: 198 m²
Project File: ESRFRM130015B
Pdf File: ESRFRM130015BC

300 D4

3727 Excavation
GPERS Radiological Survey
Beta Track Map

0 1 2 3 4 5

Meters

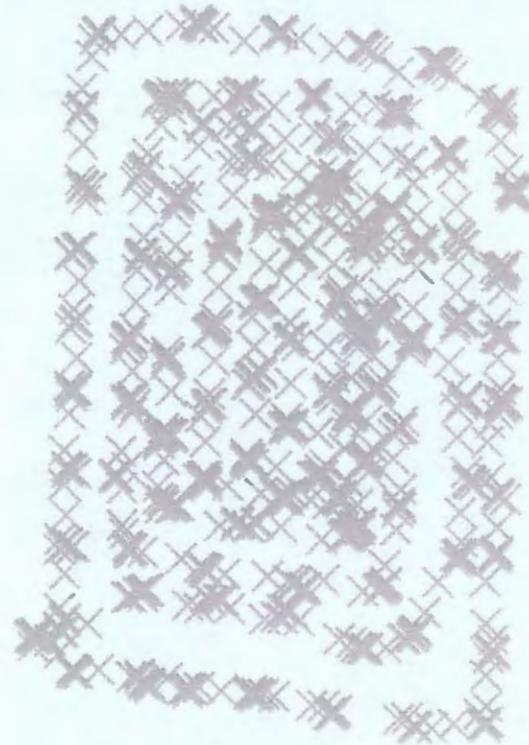


EBERLINE
SERVICES

Survey Map Prepared By Bruce Coomer, ESI



← Bkg Location
100 meters W
1551 cpm



Site View

Copy

Legend

- NET CPM
- × <2326
 - 2326 - 5000
 - 5000 - 10000
 - 10000 - 25000
 - 25000

Summary Statistics

Coverage File: D4_031
Number of Data Pnts: 1481
Type of Survey: gamma
Max GCPM: 2038
Avg Bkg CPM: 1551
Survey Date: 1/31/13
Area Surveyed: 198 m²
Project File: ESRFRM130015G
Pdf File: ESRFRM130015GC

300 D4 3727 Excavation GPERS Radiological Survey Gamma Track Map

0 1 2 3 4 5
Meters



Survey Map Prepared By Bruce Coomer, ESI