Control #: D4-300-067

FACILITY STATUS CHANGE FORM

Date Submitted:	Area:	Control #:
Jul 30, 2012	300 Area	D4-300-067
Originator:	**Facility ID:**	
John Harrie	3763 and 3766	
Phone:	**Action Memorandum:**	
509.308.9935	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 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 3763 Building was completed in 2005. Above-grade demolition of the 3766 facility was completed in July of 2012. Below-grade demolition of the 3763 and 3766 foundation slabs were completed in July of 2012. Approximately 2-feet of soil was removed during slab demolition and the excavations backfilled with clean fill. The building debris from 3766 demolition was removed and disposed of at ERDF. Surveys of the surface of the 3763 slab indicated that the concrete was uncontaminated and suitable for backfill. EPA concurrence for use as backfill is included as Attachment 2. The demolition was performed with Radiological and Industrial Hygiene controls.

Description of Deferral (as applicable):

None

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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 3763 and 3766 building debris and slab foundations were removed. However, the western footing of the 3766 Building was left below-grade due to utility interference (see Photo 4). 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):

300-2 Contaminated Light Water Disposal Potential Trench #1 (Candidate Site).

Section 3: List of Attachments

1. Facility information (building history, characterization and identification of documented waste sites).
2. EPA concurrence to use 3763 concrete as backfill.
3. Project photographs.

FACILITY STATUS CHANGE FORM

4. GPERS Survey of the surface of 3763 slab prior to demolition.
5. GPERS Survey of the 3763 and 3766 excavation prior to backfill.

DOE-RL	Date 7/31/2012
Lead Regulator ☒ EPA ☐ Ecology	Date Aug 1, 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: Joe Delaney, L6-06
FR EPL: Chris Strand, L7-10

Attachment 1: Facility Information

Building History:

The 3763 Office Building was a 71' x 86' single-story concrete block building constructed on a concrete slab foundation in 1970. The 3763 Office Building was built to provide additional office space in the 300 Area and was located southeast of the 309 Building near the intersection of New Mexico Avenue and Cypress Street. The 3763 Building was demolished in 2005 by Flour Hanford who left the concrete slab.

The 3766 Office Building was a 24' x 120' was steel framed, plywood clad, single story prefabricated building that had a pebble/concrete aggregate exterior finish. 3766 had seventeen offices, a conference room and restroom. In 1983 the 3766 Building was used by Hanford Engineering Development Laboratory (HEDL) personnel. In 2008, the 3766 Building was used by WCH RadCon personnel that utilized rooms 4 and 6 as a count room.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3763 and 3766 Buildings.

Table 1. Summary of Characterization Surveys at 3763 and 3766.

Type	Date	Documented In	Results Summary
Asbestos	February 15, 2012	CCN # 166828	ACM was identified in the fire doors, floor sheeting and roofing.
IH Surveys and Beryllium Characterization	November 19, 2007 July 29, 2010 April 25, 2012	CCN # 136825 CCN # 152318 CCN # 165855	Be samples were within background concentration. Cd & Pb not found above levels of concern.
Radiological Surveys	November 16, 2011 July 9, 2012	RSR-300PS-11-5147 RSR-300PS-12-2432	No radiological contamination was identified.

Associated WIDs sites:

300-2 Contaminated Light Water Disposal Potential Trench #1 (Candidate Site).

Anomalies Discovered During Demolition.

No anomalies were observed during the demolition of the 3763 and 3766 Buildings. Soil beneath the slab displayed no visual evidence of staining or discoloration. 300-2 waste site is believed to be located directly beneath the 3766 Building. Surveys of the soil following below-grade demolition performed using hand held and GPERS instrumentation identified no contamination.

Attachment 2: EPA Concurrence to use 3763 concrete as backfill.

Strand, Christopher P

From: Larry Gadbois [Gadbois.Larry@epamail.epa.gov]
Sent: Wednesday, July 18, 2012 2:00 PM
To: Guercia, Rudolph F
Cc: Strand, Christopher P
Subject: RE: Proposed Use of Clean Slab Debris for Backfill

EPA concurs.

"Strand, Christopher P" ---07/18/2012 01:52:04 PM---Larry, Attached is the follow-up GPERS survey beneath the 3763 slab, no

From: "Strand, Christopher P" <cpstrand@wch-rcc.com>
To: Larry Gadbois/R10/USEPA/US@EPA, "Guercia, Rudolph F" <rudolph.guercia@rl.doe.gov>
Date: 07/18/2012 01:52 PM
Subject: RE: Proposed Use of Clean Slab Debris for Backfill

Larry,
Attached is the follow-up GPERS survey beneath the 3763 slab, no contamination discovered. With EPA concurrence, the 3763 slab debris will be relocated to the 337B area for use as backfill. The 3506C slab has not been removed yet. I will follow up with a final survey for this slab when removed.

Thank you,

Chris

From: Larry Gadbois [mailto:Gadbois.Larry@epamail.epa.gov]
Sent: Thursday, July 12, 2012 8:22 AM
To: Guercia, Rudolph F
Cc: Strand, Christopher P
Subject: Re: Proposed Use of Clean Slab Debris for Backfill

EPA concurs with the proposal to use the concrete as backfill after confirmation it is not contaminated.
EPA expects the top 3 feet of backfill to be soil rather than debris.
Please let me know if you have any questions regarding this topic.
--Larry--

"Strand, Christopher P" ---07/12/2012 07:38:35 AM---Larry, It is proposed to use the concrete from two slab removals for use as

From: "Strand, Christopher P" <cpstrand@wch-rcc.com>
To: Larry Gadbois/R10/USEPA/US@EPA, "Guercia, Rudolph F" <rudolph.guercia@rl.doe.gov>
Date: 07/12/2012 07:38 AM
Subject: Proposed Use of Clean Slab Debris for Backfill

Larry,

It is proposed to use the concrete from two slab removals for use as lower fill in the 337B basement. The slabs are 3506C and 3763, both of which are located outside the 300 Area URMA. GPERS has been run on the surfaces (maps attached) that establishes both as uncontaminated. Following removal, the soil surface will be surveyed to confirm the bottom of slab condition. If acceptable to the EPA, a follow-up email confirming bottom of slab cleanliness via GPERS maps will be provided and the concrete will be used as fill.

Also, there are a fairly significant number of excess ecology blocks located throughout the 300 Area that could be used as fill. We would like to stage them at 337B, perform surveys and document on RSR, and use as lower-course fill too.

Thanks,

Chris
554-2720

<<ESRFRM120112C.pdf>> <<ESRFRM120111.pdf>> *(See attached file: ESRFRM120112C.pdf)(See attached file: ESRFRM120111.pdf)* [attachment "ESRFRM120114C.pdf" deleted by Larry Gadbois/R10/USEPA/US]

Attachment 3: Project Photographs

Photo 1: Looking north at the 3763 Slab prior to demolition on July 10, 2012.

Photo 2. Looking northwest at the 3766 Office Building on November 29, 2011.

Photo 3. Looking east at 3763 following slab removal on July 17, 2012.

Photo 4. Looking north at 3766 following above-grade demolition on July 10, 2012.

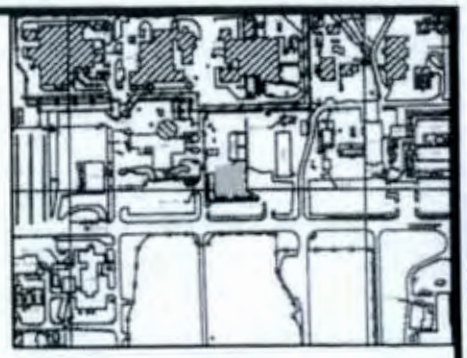
Photo 5. Looking north at 3763 following backfill on July 24, 2012.

Photo 6. Looking north at 3766 following backfill on July 24, 2012.

Attachment 4: GPERS Survey of the surface of 3763 slab prior to demolition.

N

Bkg Location
740 meters N
1132 cpm



Site View

Copy

Legend

NET CPM

- <1698
- 1698 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4 200
Number of Data Pnts: 1091
Type of Survey: gamma
Max GCPM: 1687
Avg Bkg CPM: 1132
Survey Date: 7/18/2012
Area Surveyed: 1,282 m^2
Project File: ESRFRM120114
Pdf File: ESRFRM120114C

300 D4
3763
GPERS Radiological Survey
Gamma Track Map

0 2 4 6 8 10
Meters

HANFORD

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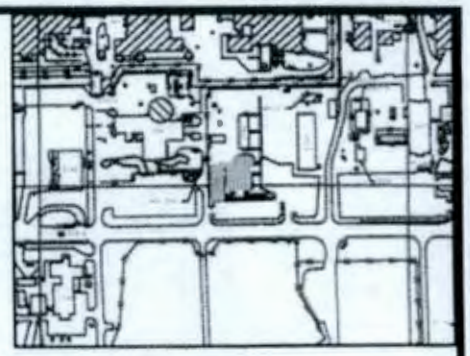
HANFORD, INC

Survey Map Prepared By Bruce Coomer, ESI

Attachment 5: GPERS Survey of the 3763 and 3766 excavation prior to backfill.



Site View

Legend	Summary Statistics
NET CPM	Coverage File: D4 193
× <1714	Number of Data Pnts: 1097
1714 - 5000	Type of Survey: gamma
5000 - 10000	Max GCPM: 1813
10000 - 25000	Avg Bkg CPM: 1143
25000	Survey Date: 7/11/2012
	Area Surveyed: 1024 m^2
	Project File: ESRFRM120111
	Pdf File: ESRFRM120111

300 D4
3766/3763
GPERS Radiological Survey
Gamma Track Map

0 2 4 6 8 10
Meters

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Survey Map Prepared By Bruce Coomer, ESI