

## FACILITY STATUS CHANGE FORM

1220275

<b>Date Submitted:</b> April 26, 2013	<b>Area:</b> 300 Area	<b>Control #:</b> D4-300-053-1
<b>Originator:</b> Chris Strand	<b>Facility ID:</b> 3506C	
<b>Phone:</b> 554-2720	<b>Action Memorandum:</b> DOE/RL-2010-22, Rev 0.	

**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 slab removal.

**Decontamination and Decommissioning:** Hazardous materials were removed prior to above-grade demolition. No hazardous materials remained to be removed for slab demolition. Previous hazardous material removal and waste disposition was performed in accordance with *Removal Action Work Plan for River Corridor General Decommissioning Activities (DOE/RL-2010-34, Rev 0)*.

**Demolition:** The modular trailer was removed from the slab and demolished in December of 2011. The concrete slab was left in-place because of utility interferences that were subsequently eliminated. The 3506C slab was demolished in April of 2013.

**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:**

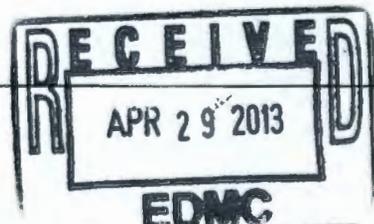
The excavation was backfilled with clean material, no radiological or IH postings remain.

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

None

**Section 3: List of Attachments**

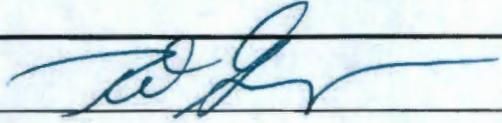
1. Facility information (building history and characterization).
2. Project Photographs.
3. GPERs Surveys (beta & gamma tracks).



100.FR.1

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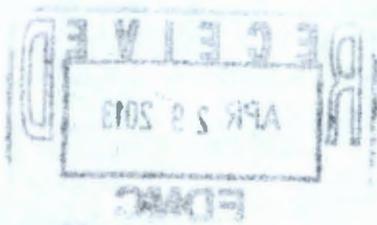
# FACILITY STATUS CHANGE FORM

		<u>4/25/13</u>
DOE-RL		Date
NA		NA
Lead Regulator	<input type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date

**DISTRIBUTION:**

EPA: Chris Guzetti, B1-06  
 Ecology: Rick Bond, HO-57  
 DOE: Rudy Guercia, A3-04  
 Document Control, H0-30  
 Administrative Record, H6-08

SIS Coordinator: Ben Cowin, H4-22  
 D4 EPL: Chris Strand, L5-45  
 Sample Design/Cleanup Verification: Theresa Howell, H4-22  
 FR Engineering: Eric Ison, L6-06  
 FR EPL: Chris Strand, L5-45



## **Attachment 1: Facility Information**

### **Building History**

The 3506C Telecommunications Hub or Fiber Hut was a 16' x 32' modular trailer that was installed at the 300 Area, north of Cypress Street on the west side of New Mexico Ave in 1995. The facility was used for fiber optic network equipment to support telecommunication gear used to connect the 300 area to the wider Hanford computer network. The structure contained equipment racks, uninterruptable power supplies, and fire equipment. An air conditioning unit was installed on the south end of the trailer.

Following hazardous material removal, the above-grade structure was demolished in December of 2011. Active electrical utilities adjacent to the slab represented an interference, therefore, below-grade demolition as deferred (reference D4-300-053). This interference was subsequently eliminated and the slab was demolished in April of 2013.

### **Building Characterization:**

No documentation exists that indicate radioactive materials were ever associated with 3506C. Radiological scoping surveys completed on September 28, 2011, found no contamination.

Contaminants of concern were limited to mercury switches, oil and freon. An Industrial Hygiene (IH) Baseline Survey and subsequent review found no beryllium, lead, cadmium or chromium above levels of concern. These IH surveys were reported on June 3<sup>rd</sup>, and September 22, 2010, respectively.

Asbestos sampling performed in October of 2011 identified no ACM.

### **Identification of Document Waste Sites:**

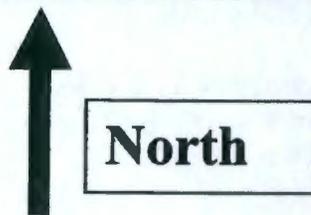
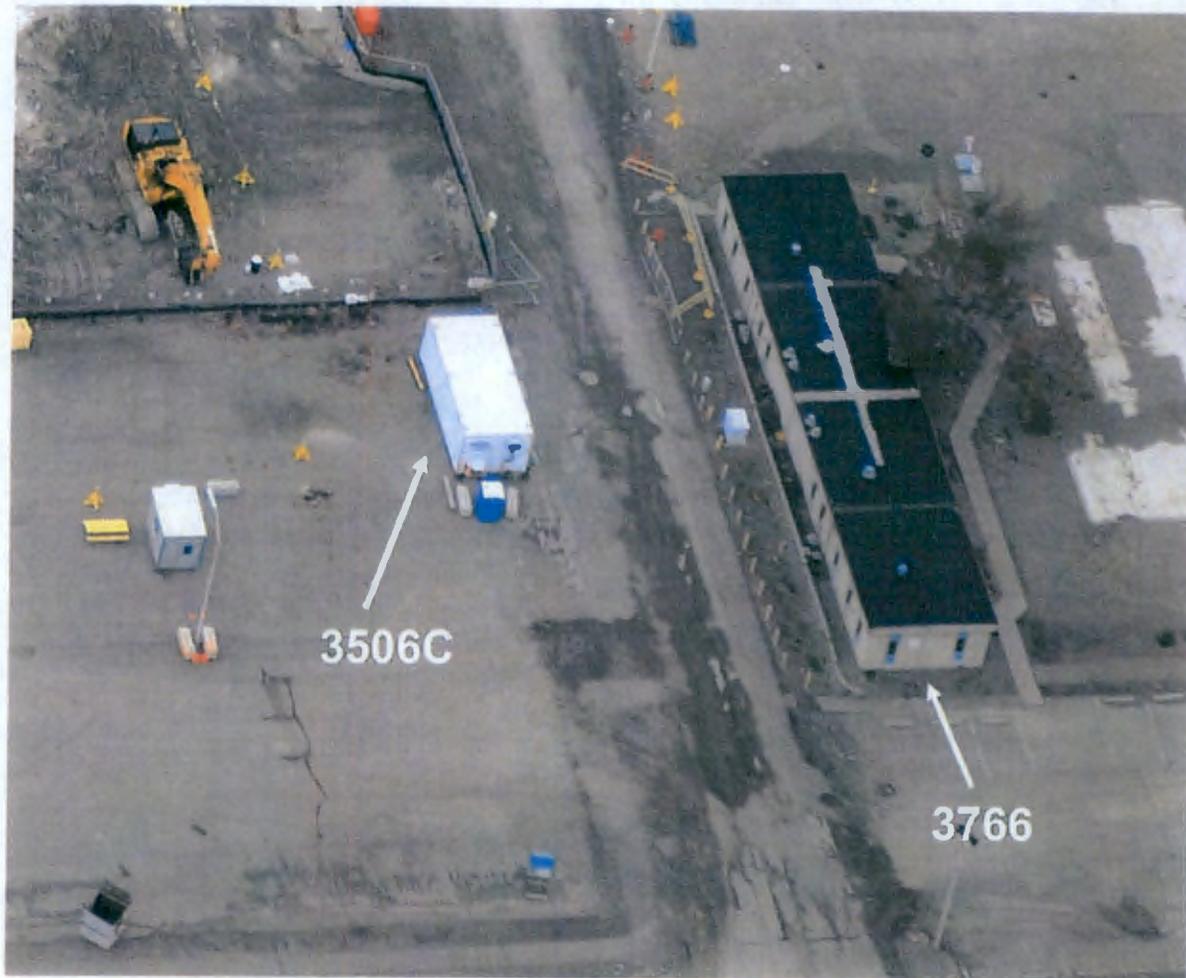
There are no documented waste sites associated with 3506C.

### **Anomalies Discovered During Demolition:**

No anomalies were discovered during the below-grade removal of 3506C. No soil staining within the excavation was observed and GPERS surveys identified no radiological contamination. The excavation was backfilled with clean fill material.

## Attachment 2: Project Photographs

Photograph 1: 3606C location looking North on November 29, 2011



**Photograph 2: 3506C prior to Demolition**



**Photograph 3: 3506C Slab looking north on December 12, 2011**



**Photograph 4: 3506C below-grade excavation looking north on April 22, 2013.**



**Photograph 5: 3506C following backfill looking north on April 24, 2013.**

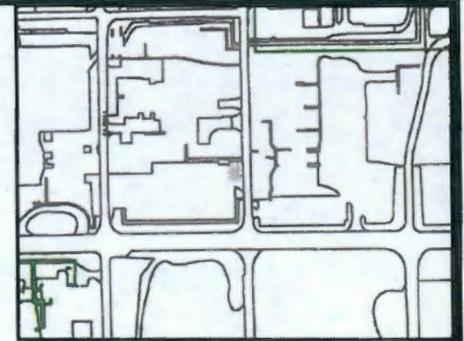


**3506C FACILITY COMPLETION**

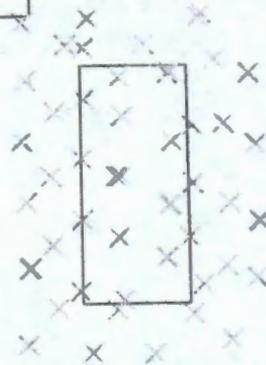
**Attachment 3: GPERS Surveys  
(Beta and Gamma Tracks)**



Bkg Location  
155m NNW  
295 cpm



Site View



Copy

Legend

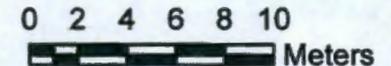
- X <442
- 442 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4\_0113  
Number of Data Pnts: 53  
Type of Survey: beta  
Max GCPM: 489  
Avg Bkg CPM: 295  
Survey Date: 4/23/2013  
Area Surveyed: 155 m<sup>2</sup>  
Project File: ESRFRM130041B  
Pdf File: ESRFRM130041BC

300 D4  
3506-C

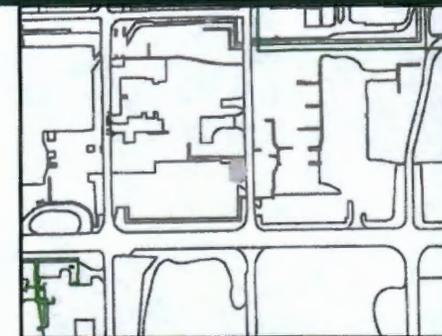
GPERS Radiological Survey  
Beta Track Map



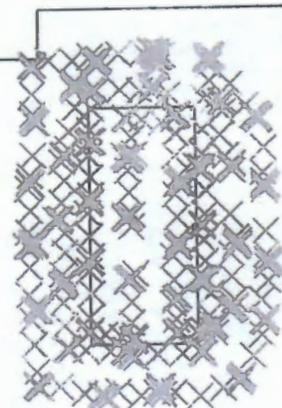
Survey Map Prepared By Bruce Coomer, ESI



↑  
Bkg Location  
155m NNW  
1088 cpm



Site View



Copy

Legend

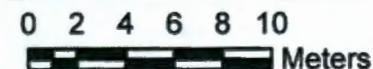
- NET CPM
- X <1632
  - 1632 - 5000
  - 5000 - 10000
  - 10000 - 25000
  - 25000

Summary Statistics

Coverage File: D4\_0113  
Number of Data Pnts: 613  
Type of Survey: gamma  
Max GCPM: 1395  
Avg Bkg CPM: 1088  
Survey Date: 4/23/2013  
Area Surveyed: 155 m<sup>2</sup>  
Project File: ESRFRM130041G  
Pdf File: ESRFRM130041GC

**300 D4**  
**3506-C**

**GPERS Radiological Survey**  
**Gamma Track Map**



Survey Map Prepared By Bruce Coomer, ESI