

0095673

## FACILITY STATUS CHANGE FORM

<b>Date Submitted:</b> April 20, 2011	<b>Area:</b> 300 Area	<b>Control #:</b> D4-300-042
<b>Originator:</b> John Harrie	<b>Facility ID:</b> 352E East Side Switch Station	
<b>Phone:</b> 509.308.9935	<b>Action Memorandum:</b> 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, freon, batteries, 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)*.

Demolition: Demolition of the entire facility, including the foundation was completed in February of 2011. The building debris were removed and disposed of at ERDF. The demolition was performed without 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:**

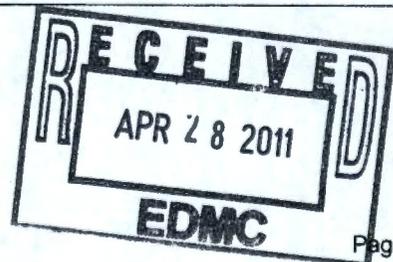
All above-ground 352E building structures were removed including the foundation and the area regraded.

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

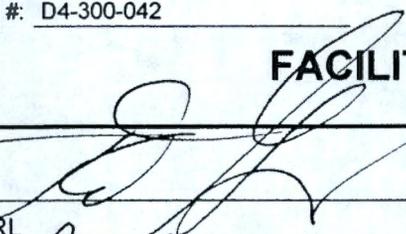
None

**Section 3: List of Attachments**

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



# FACILITY STATUS CHANGE FORM

		<i>4/20/11</i>
DOE-RL	<i>Larry Gadbois</i>	Date <i>April 21, 2011</i>
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

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: Darrin Faulk, N2-01

## Attachment 1: Facility Information

### Building History:

The 352E East Side Switch Station, built in 1972, served as a breaker station for facilities in the eastern portion of the 300 Area. The building that housed the switch gear was a dust-tight prefabricated steel structure with a gable roof that measured 44-feet by 32-feet (13.4 m by 9.8 m). A rolling door was located on the north wall. An extension that measured 16-feet by 12-feet (5 m by 3.7 m) was built onto the northwest corner of 352E that was insulated and used as a battery room.

### Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 352E Building.

Table 2 summarizes the contaminants of concern for facility demolition and the associated determination of no impact to the soil.

There are no identified Waste Sites documented associated with 352E.

**Table 1. Summary of Characterization Surveys at the 352E Site.**

Type	Date	Documented In	Results Summary
<b>Pre-Demolition</b>			
Initial Hazard Classification	February 5, 2007	IHC-2006-0017, Rev 2	Non-radiological
Asbestos	May 27, 2010	CNN 151387	None of the homogeneous areas contained ACM. Some Class II asbestos was removed from the electrical boxes prior to demolition.
IH Baseline Survey and Beryllium Characterization	April 30, 2010 and July 29, 2010	CCN 150780 and CNN 152334	No occupational exposure levels of Pb, Cr, and Cd; no Be restrictions. Four bulk random samples.
Radiological Survey Plan and Radiological Surveys	March 1, 2010 and May 10-2010, respectively.	SP-10-03, Rev 0 TA-07-SR-02 and RSR 300PS-10.-1594	No contamination above background identified.

**Table 2. Contaminants of Concern for Facility Demolition**

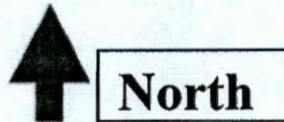
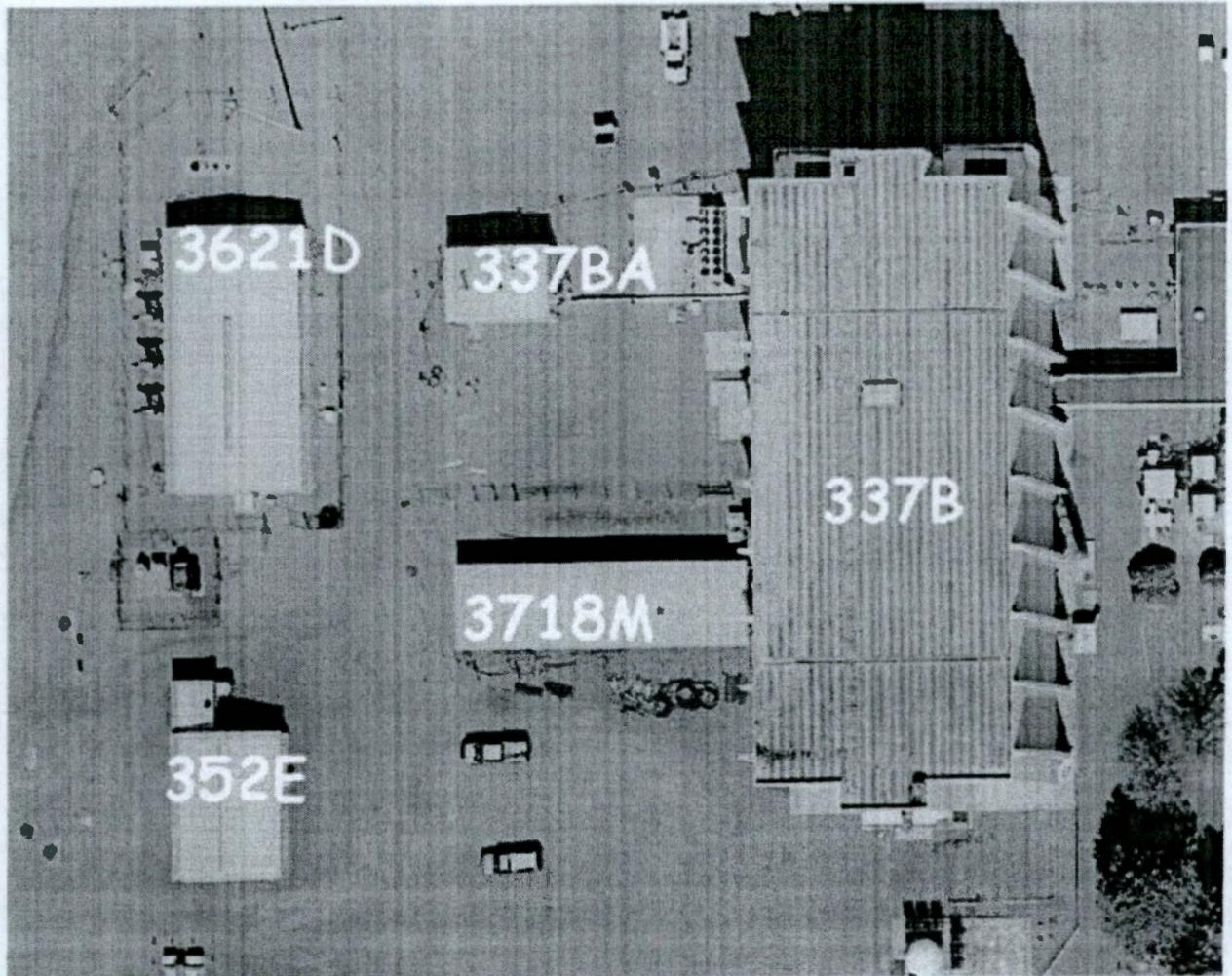
<b>Contaminant of Concern</b>	<b>Determination of no impact to the soil</b>
Radionuclides	None radiological facility
Beryllium	Beryllium sample results below CBDPP limits.
Class II non-friable Asbestos	Some Class II asbestos removed from electrical cabinets prior to demolition
Lead	Lead acid batteries removed prior to demolition.

**Anomalies Discovered During Demolition**

No anomalies were discovered during the demolition of the 352E Building.

**Attachment 2: Project Photographs**

**Figure 1: Location of 352-E Building, April 2008**



**Figure 2. 352-E Building Site, Looking Southwest, 2005**



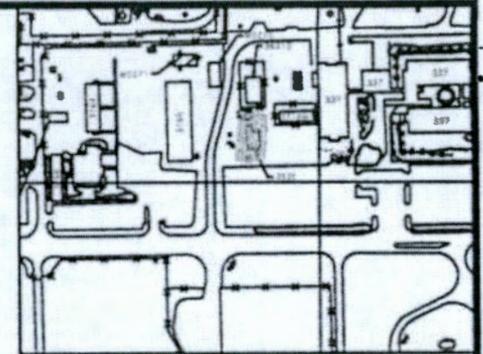
**Figure 3. 352-E Post-Demolition Site, Looking South, March 2011**



**Attachment 3 - GPERS Surveys**



☒  
|  
Bkg Location  
431 cpm



Site View

Copy

**Legend**

NET CPM

- × <431
- 431 - 862
- 862 - 10000
- 10000 - 25000
- 25000

**Summary Statistics**

Coverage File: D4073  
Number of Data Pnts: 1098  
Type of Survey: beta  
Max GCPM 620  
Avg Bkg CPM: 431  
Survey Date: 3/14/2011  
Area Surveyed: 848 m<sup>2</sup>  
Project File: ESRFRM110050B  
Pdf File: ESRFRM110050BC

**300 D4 Field Remediation  
352E Building Site  
GPERS Radiological Survey  
Beta Track Map**

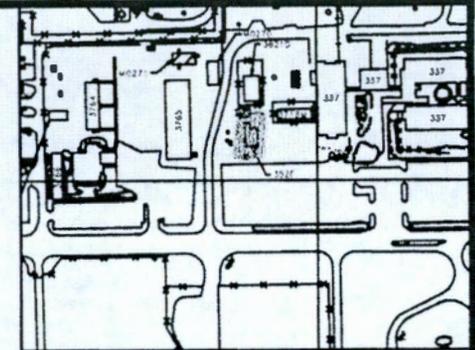
0 2 4 6 8 10  
Meters



Survey Map Prepared By Bruce Coomer, ESI



☒  
|  
Bkg Location  
1230 cpm



Site View

Copy

Legend

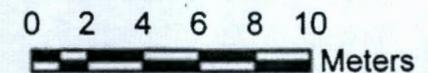
NET CPM

- × <1230
- 1230 - 2460
- 2460 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4073  
Number of Data Pnts: 1098  
Type of Survey: gamma  
Max GCPM 2397  
Avg Bkg CPM: 1230  
Survey Date: 3/14/2011  
Area Surveyed: 848 m<sup>2</sup>  
Project File: ESRFRM110050G  
Pdf File: ESRFRM110050GC

# 300 D4 Field Remediation 352E Building Site GPERS Radiological Survey Gamma Track Map



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Survey Map Prepared By Bruce Coomer, ESI