

FACILITY STATUS CHANGE FORM

Date Submitted: 4/20/2009 Originator: David Warren Phone: 554-9368	Area: 300 Area Facility ID: 3746D Action Memorandum: #1 for the 300 Area	Control #: D4-300-025
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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.

Decontamination and Decommissioning: The following hazardous materials were removed prior to facility demolition: oils, asbestos containing materials, mercury, and Freon. Hazardous material removal and waste disposition was performed in accordance with *Removal Action Work Plan #1 for the 300 Area, DOE/RL-2004-77, Revision 1 (RAWP)*.

Demolition: The 3746D Building was demolished in April of 2006 and the debris was shipped to the Environmental Restoration Disposal Facility. The concrete slab was removed and the site was leveled without the need for clean fill material.

Description of Deferral (as applicable):

No waste sites are associated with this facility. No additional actions are anticipated.

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:

There were no portions of building or visible underground piping associated with 3746D left behind at the site. There are no Radiological postings specific to the site, however the site is posted under the 300 Area general Underground Radioactive Material Area (URMA). There are no Industrial Hygiene postings associated with the site.

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

There was one WIDS site associated with the 3746D Building. Site 374633 SR, 3746D Silver Recovery Process, was located inside the building. The unit was removed with the demolition of the building and disposed of at ERDF. No further action is required. The soil beneath 3746D was not a documented waste site. The 3746D facility history and observations during D4 operations do not suggest the presence of a new discovery waste site. Radiological surveys of the area did not identify any radiological contamination. No soil staining was identified in the area during foundation removal.

Section 3: List of Attachments

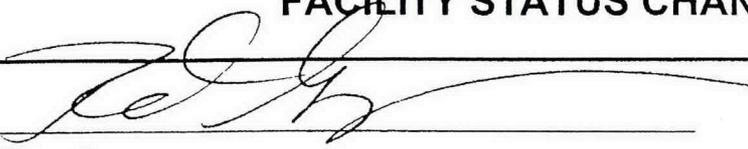
1. Facility information (building history and characterization)
2. Project photographs

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		<u>7/21/09</u>
DOE-RL	<u>Larry Gadbois</u>	Date
Lead Regulator	<input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	<u>4-22-2009</u>
		Date

DISTRIBUTION:

EPA: Larry Gadbois, B1-06

Ecology: Rick Bond, HO-57

DOE: Rudy Guercia, A3-04

Document Control, H0-30

Administrative Record, H6-08

SIS Coordinator: Sheri Harshberger, H4-22

D4 EPL: Chris Strand, L1-07

Sample Design/Cleanup Verification: Megan Proctor, H4-22

FR Engineering: Rich Carlson, X4-08

FR EPL: Darrin Faulk, L6-06

Attachment 1: Facility Information

Building History:

3746D was known as the Photography Annex Building. It was located just North of the Apple Street Entrance to the 300 area. It was a Quonset-type, arched, corrugated-sheet-metal structure that was 56 feet 6 inches long and 21 feet wide. It had a concrete floor and plywood covers on each vertical end. The interior walls were plywood with insulation between them and the outer surface. Heat was supplied by wall mounted electric heaters. Cooling was provided by forced air and water evaporation equipment. The building had connections to electrical power, sanitary sewer, and sanitary water.

The 3746D Building was originally constructed in 1960 as the Craft Training Hutment. It was used to conduct training classes for craftsmen in the maintenance of instruments and electrical equipment. In 1962 the 3746D Building became a storage-treatment facility (Technical Service Annex) in support of the 3705 Building. A compressed air line was extended to the 3746D Building from the 3705 Building, thus indicating that some photo processes had been relocated to the building. In about 1984, the building was used to recycle silver from photochemical wastes. The effluent from the silver recovery equipment was initially disposed of to the sanitary sewer. Starting around 1992, the containerized, process effluent was shipped offsite.

Based on past uses of this facility, radiological contamination was not expected, nor encountered. 3746D was not on the Hanford Beryllium Facilities list.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3746D Building. Table 2 summarizes the contaminants of concern for facility demolition and the Management Practices implemented to minimize spread of those contaminants.

Table 1. Summary of Samples Collected

Type	Quantity	Method Detection Limits	Results
Radiological Scoping surveys and Tritium Smears	1 survey with multiple direct and smear locations	Beta-gamma – 1,000 removable/ 5,000 total ^a Alpha – 20 removable/ 100 total ^a (Uranium)	All results were below method detection limits
Post Demolition Radiological Surveys	1 survey with multiple direct and smear locations	Beta-gamma – 1,000 removable/ 5,000 total ^a Alpha – 20 removable/ 100 total ^a (Uranium)	All results were below method detection limits
Industrial Hygiene Scoping Surveys for Beryllium (Air and Wipe Samples)	15 wipe samples	Beryllium – Wipe Sampling- 0.02 µg/100cm ²	Of the fifteen wipe samples taken, one was above the release criteria of 0.2 µg/100cm ²
	1 Air Sample	Air Sampling - 0.01 µg/sample	Results were below method detection limits
Asbestos – Thermal System Insulation and Miscellaneous Material	4	<1% weight	Of the four samples that were taken, one was found to have levels of asbestos that required removal.

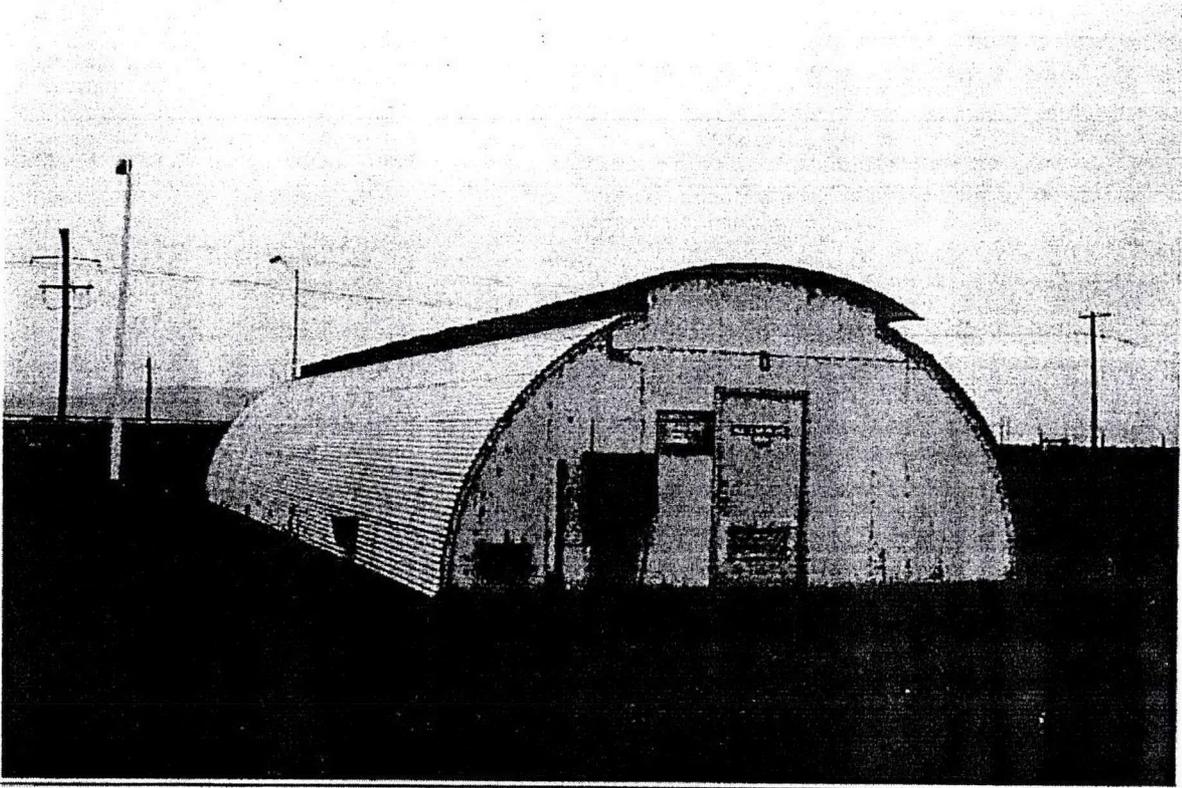
^a – dpm/100 cm²

Table 2. Contaminants of Concern for Facility Demolition

Contaminant of Concern	Management Practice
None	Use of water for nuisance dust suppression.

Attachment 2: Project Photographs

3746D Building before Demolition



3746D Building site after Demolition

