

0100482
[0093538]

Control #: D4-300-051

FACILITY STATUS CHANGE FORM

Date Submitted: Nov 30, 2011	Area: 300 Area	Control #: D4-300-051
Originator: John Harrie	Facility ID: 340B Waste Loading Building	
Phone: 509.308.9935	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 facility decontamination.

The following hazardous materials were removed prior to facility demolition: batteries, oil, light ballasts, lead, HEPA filters 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)*. Radiologically contaminated piping was stabilized with grout.

Demolition: Demolition of the facility including foundation was completed in November of 2011. The building debris were removed and disposed of at ERDF. The demolition was performed with Radiological and Industrial Hygiene controls.

Description of Deferral (as applicable):

A small portion of the south shield wall foundation and contaminated piping running back to the 340 vault tanks were left in place. In addition, any residual soil contamination was left in place. All remaining structures and contaminated soils will be addressed during vault removal and waste site remediation in that area. Final surveys, close-out sampling, and backfill will be performed as part of 300-FF-2 remediation activities.

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:

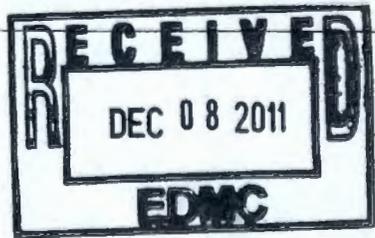
Above-ground 340B building structures were removed in October of 2011. The 340B foundation (except as noted above) was removed during November of 2011. Fixative has been applied to the foot print soils and clean soil placed over the contaminated piping under the south shield wall.

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

340 Complex, 300-115 and 300-248

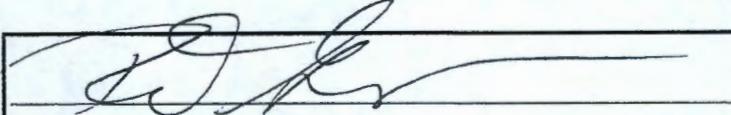
Section 3: List of Attachments

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



m-94-08

FACILITY STATUS CHANGE FORM

		<u>12/1/11</u>
DOE-RL	<u>Larry Gadbois</u>	Date
Lead Regulator	<input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	<u>Dec 5, 2011</u>
		Date

DISTRIBUTION:

EPA: Larry Gadbois, B1-46
Ecology: Rick Bond, H0-57
DOE: Rudy Guercia, A3-04
Document Control, H0-30
Administrative Record, H8-08

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: Chris Strand, L7-10

Attachment 1: Facility Information

Building History:

The 340B Waste Loading Building, built in 1965, was constructed as part of a modernization effort that substituted shielded rail cars for tanker trucks to transport radioactive effluent from the 340 tanks to the 200 Areas. The 340 complex received high activity radioactive liquid waste from laboratories in the 300 Area through the RRLWS and RLWS piping systems.

The 340B structure measured 50' x 64' and constructed with corrugated steel walls and roof on a concrete slab on grade. It had two large roll-top doors on the north side that could accommodate two 20,000-gallon tank cars at once. The building was divided down the N-S axis by a 12-inch thick, 12-foot high concrete shield wall that extended out and around the south end of the building. The east side of the building was primarily used for the neutralized RLWS transfers and the west side was used for 90-day solid mixed waste storage. The building utilized a HEPA filtered ventilation system during waste load-out activities.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 340B Building.

Table 1. Summary of Characterization Surveys at the 340B Site.

Type	Date	Documented In	Results Summary
Pre-Demolition			
Asbestos	March 7, 2011	CNN 157065	None of the homogeneous areas contained ACM.
IH Surveys and Beryllium Characterization	September 28, 2011 (Be)	CNN 161793 (Be)	Be was sampled: 27 bulk (0.03 to 0.8 ppm), 47 wipes (0.01 to 1.0 ug/100 cm ²) and 29 air (<LOQ).
Radiological Surveys	Jan 6, 2011, June 7, 2011 and June 10, 2011.	RSR-300S-11-0061, RSR-300PS-11-2622 and RSR 300PS-11-2704.	The building was posted RA, CA, HCA and RBA. Fixed Contamination present. Demo was completed under radiological controls in the RWP.

Associated WIDs sites:

There are three documented Waste Sites associated with 340B.

300-115, 340B Building Backflow Preventer Emergency Drain, Misc. Stream # 426 (not accepted).

300-248, 340B Steam Condensate Sump Pit (not accepted).

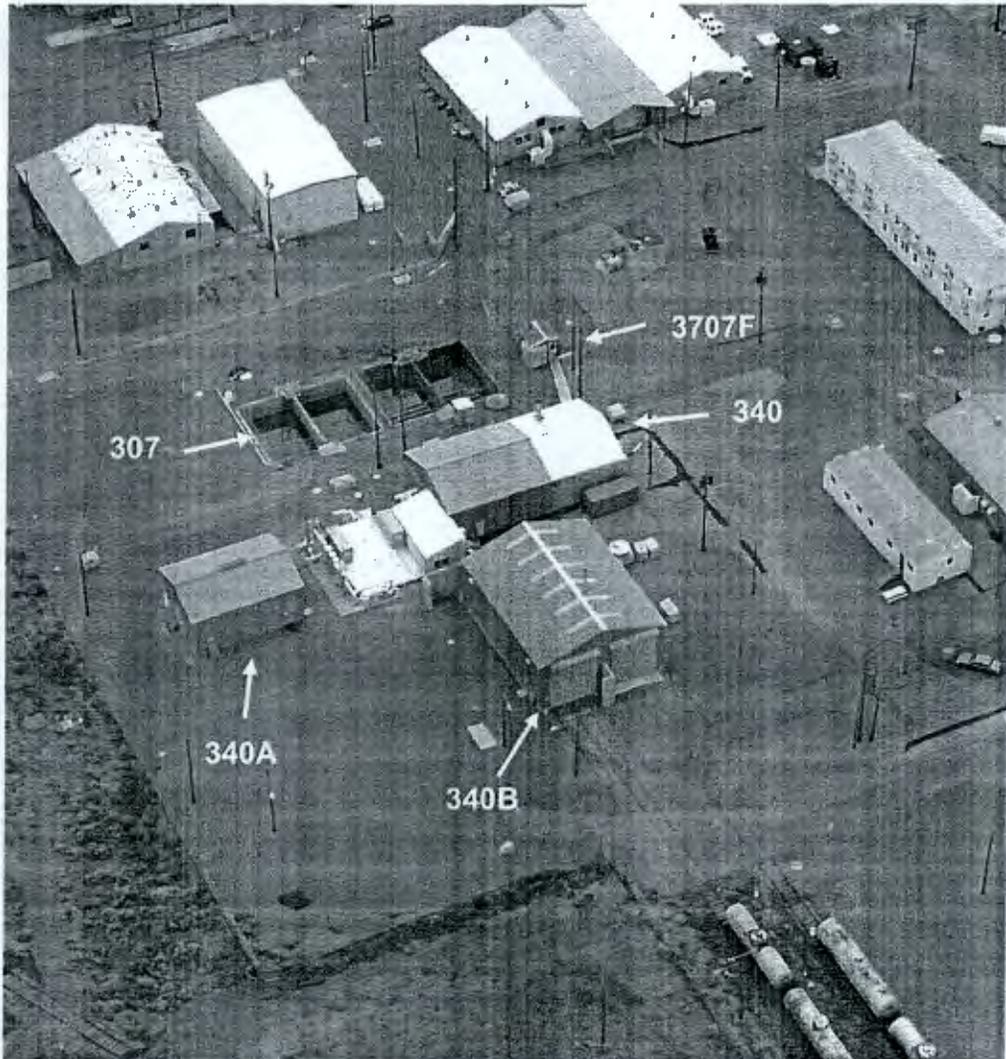
The 340 Complex.

Anomalies Discovered During Demolition

Unanticipated radiological piping was found in the vicinity of, and under the south shield wall. The piping will be removed during the 340 vault removal.

Attachment 2: Project Photographs

Figure 1: 340 Complex in March of 1993



North

Figure 2. 340B Building Site, Looking Northeast in January of 2010

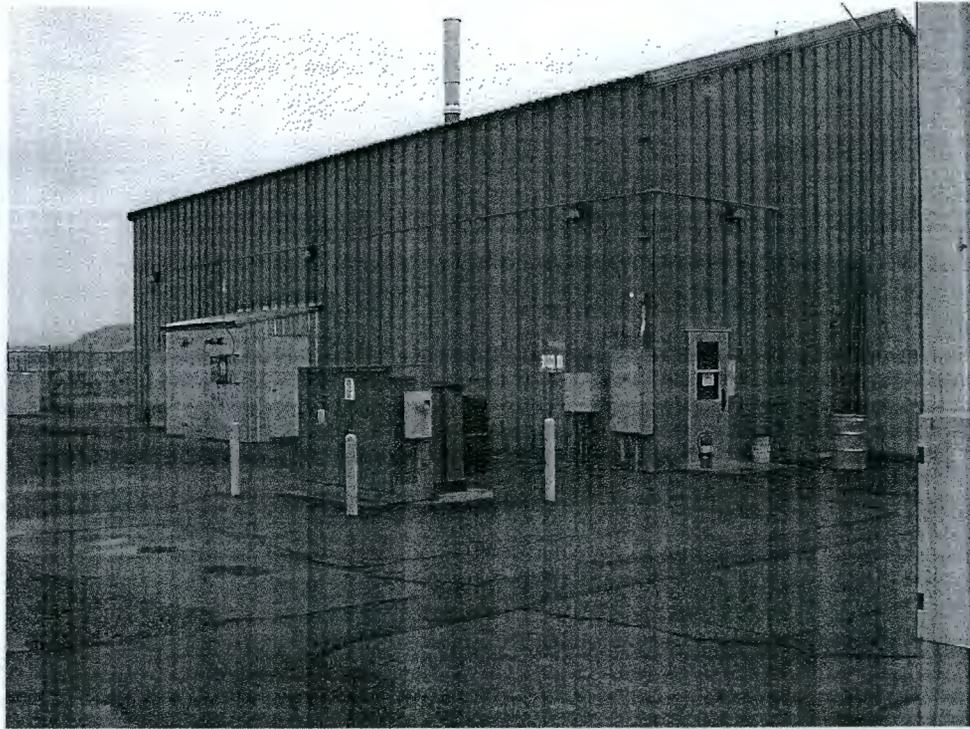


Figure 3. 340B with building demolished, Looking North October 2011

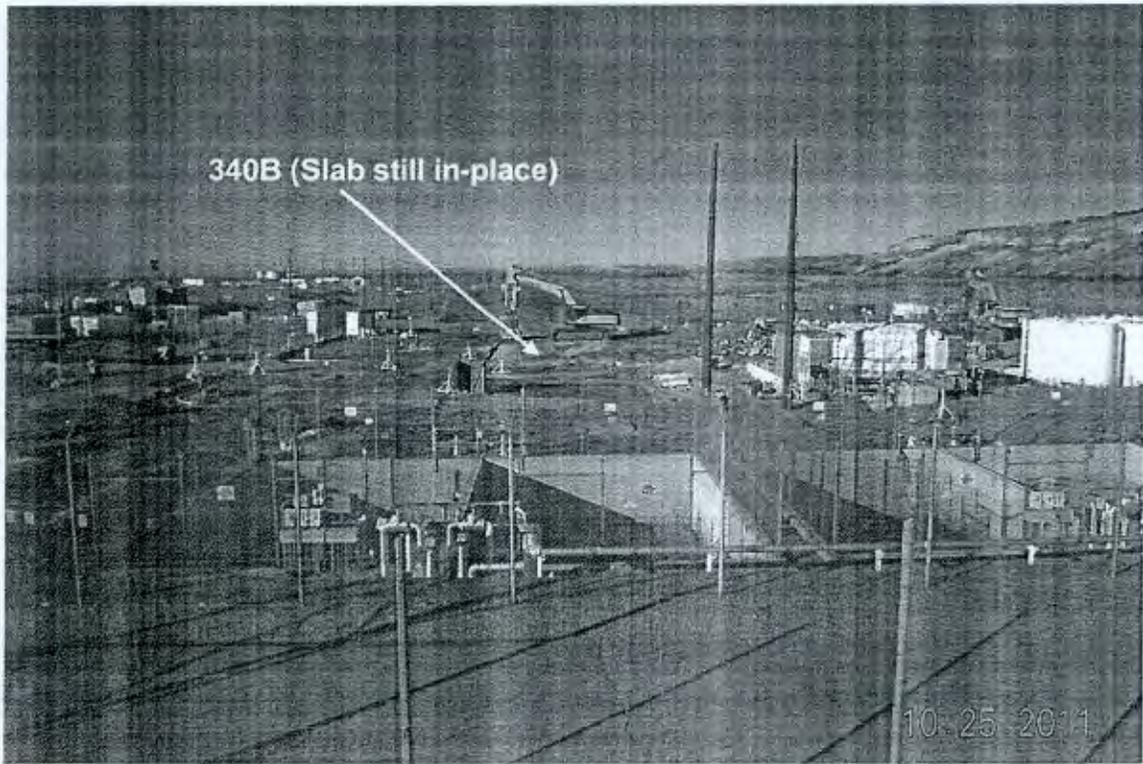


Figure 4. 340B below grade demolition completed, Looking North November 2011

