

FACILITY STATUS CHANGE FORM

Date Submitted: Jan 7, 2009 Originator: David Warren Phone: 554-9368	Area: 300 Area Facility ID: 3712 Action Memorandum: #1 for the 300 Area	Control #: D4-300-014
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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 material, 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: Demolition of the above-grade structure was completed in January 2006. The building debris were removed and disposed of at ERDF. Due to the facility histories, the demolition was performed under radiological controls.

Description of Deferral (as applicable):

The 3712 building foundation and any potential soil excavation will be deferred to the UPR 300-38 WIDS Site remedial action. The foundation is located directly above and adjacent to documented waste sites. Removal of the foundation prior to waste site remediation could result in potential exposure of contaminants from the underlying soil.

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 3712 Building foundation and slab remain in place. The slab is currently posted FCA (Fixed Contamination Area), and the area surrounding the pad is posted URMA (Underground Radioactive Material Area). There are no IH postings associated with the structure.

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

3712 USSA- 3712 Uranium Scrap Storage Area.

300-169- 3712 Building Steam Condensate, Miscellaneous Stream #351, a rejected WIDS site located directly to the East of the building. It was a french drain that received steam condensate. The site was closed in accordance with WAC-173-218 prior to demolition.

300-15- 300 Area Process Sewer System, an accepted WIDS site which is the underground process sewer system that extends throughout the 300 area. Two lines run directly below the building slab, where they converge and continue to the Northeast.

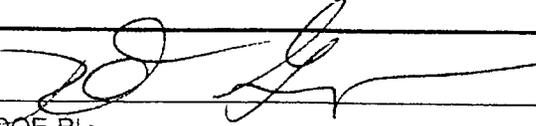
Section 3: List of Attachments

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

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OCT 29 2009

FACILITY STATUS CHANGE FORM

		<u>1/11/09</u>
DOE-R1		Date
<u>Larry Gadbois</u>		<u>1-12-2009</u>
Lead Regulator	<input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date

DISTRIBUTION:

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

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FR EPL: Darrin Faulk, L6-06

Attachment 1: Facility Information

Building History:

The 3712 Building was a metal building constructed from 1959 to 1961 to store green (unirradiated) fuel. Fuel manufacturing components were stored in the 3712 Building with the 3716 building used to support the fuel nickel plating process development. In 1979, there was a severe fire that resulted in the spread of uranium contamination in the 3712 Building. The building had been posted as a Contamination Area (CA) and a Radiological Control Area (RCA) and contained a radioactive material area (RMA) within the building.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3712 Building. Table 2 summarizes the contaminants of concern for facility demolition and the associated determination of no impact to the soil.

Table 1. Summary of Samples Collected

Type	Quantity	Method Detection Limits	Results
Radiological Scoping surveys and Tritium Smears	160 Internal and External Surveys	Beta-gamma – 1,000 removable/ 5,000 total ^a Alpha – 1000 removable/ 1000 total ^a (Uranium)	9 > 1000 dpm/100 cm ² beta-gamma removable 3 > 5000 dpm/100 cm ² beta-gamma total 2 > 1000 dpm/100 cm ² alpha removable 2 > 1000 dpm/100 cm ² alpha total
Industrial Hygiene Scoping Surveys for Beryllium (Air and Wipe Samples)	6 air samples 47 wipe samples	Beryllium – Wipe Sampling- 0.01 µg/100cm ² Air Sampling - 0.02 µg/sample	All personal and area air sample results were below the method's limit of detection. Three wipe samples were measured to have beryllium surface levels greater than the action level of 0.2 µg/100 cm ²
Industrial Hygiene Wipe Sampling for Beryllium- In Process and Post Demolition	70 10 (Post Decontamination)	Beryllium – 0.01 µg/100cm ²	Three samples were measured to have beryllium surface levels greater than the action level of 0.2µg/100 cm ² . All Post Decon wipe samples were <0.05 µg/100cm ²
Asbestos – Thermal System Insulation and Miscellaneous Material	5	<1% weight	All - below detection limits

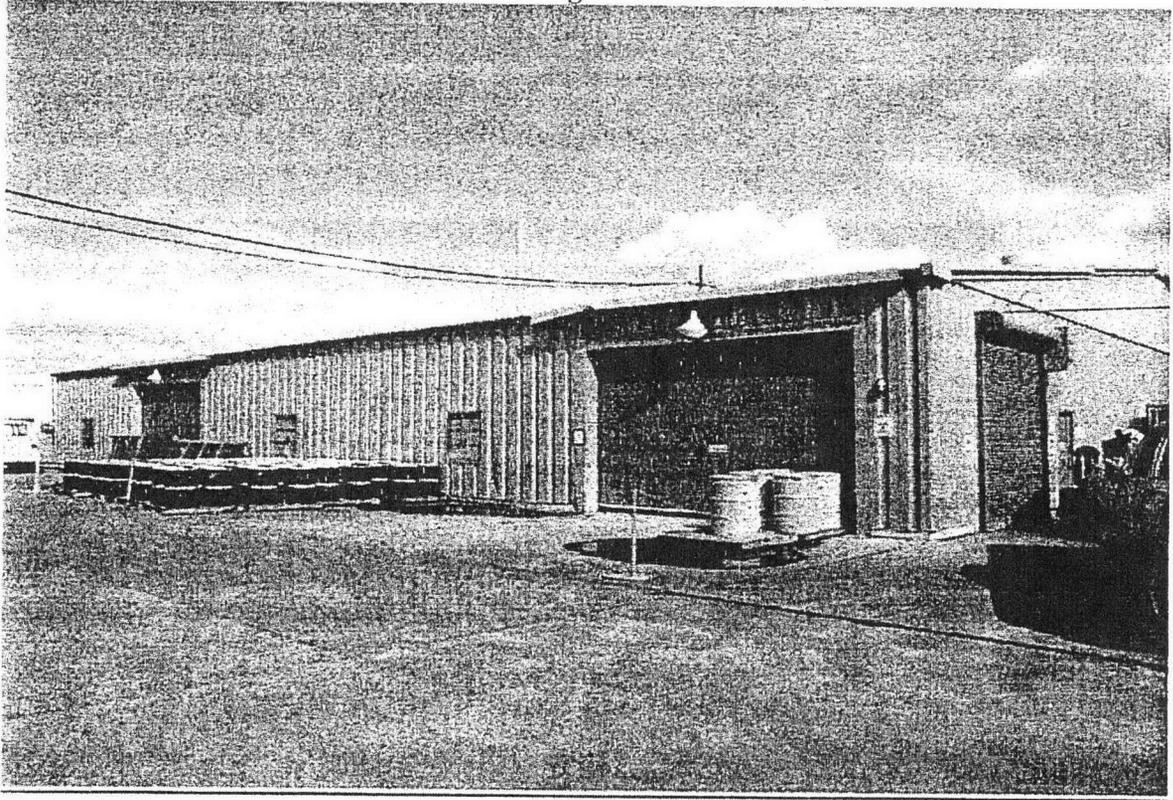
^a – dpm/100 cm²

Table 2. Contaminants of Concern for Facility Demolition

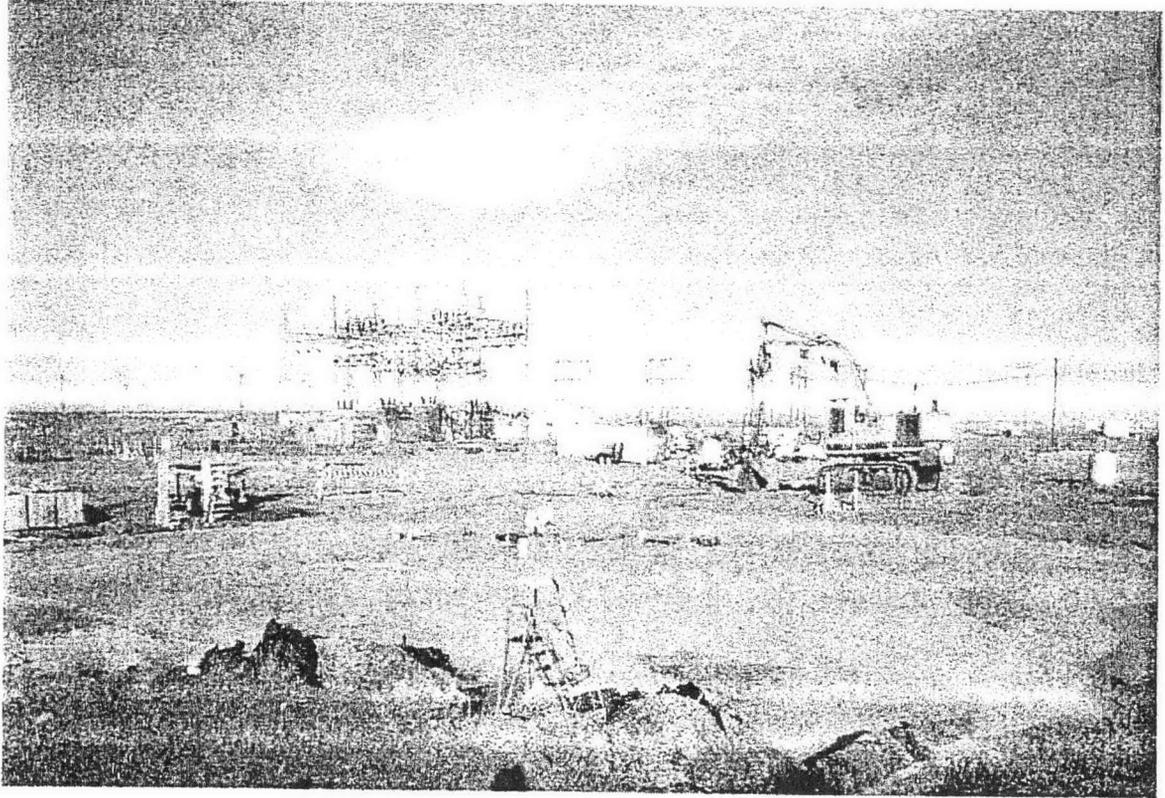
Contaminant of Concern	Determination of no impact to the soil
Radionuclides	Due to the facility history, the demolition was performed under radiological controls. After building demolition, the foundation was surveyed and downposted to Fixed Contamination Area (FCA).

Attachment 2: Project Photographs

3712 Building before Demolition



3712 Building Complex Site after
Demolition



3712 FACILITY COMPLETION