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FACILITY STATUS CHANGE FORM

0095704

Date Submitted:	Area:	Control #:
2/3/2010	300 Area	D4-300-036
Originator:	**Facility ID:**	
David Warren	3503A	
Phone:	**Action Memorandum:**	
539-6040	#1 for the 300 Area	

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: If present, 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 #3 for the 300 Area*, DOE/RL-2004-77, Revision 1 (RAWP).

Demolition: Demolition of the above-grade, and a portion of the below grade structures was completed in February of 2008. The building debris were removed and disposed of at ERDF. A small section of the below grade structure was left intact due to active water utility interference.

Description of Deferral (as applicable):

The 3503A Electrical Cable Pit foundation and slab, and any potential soil excavation will be deferred to the 300-FF-2 remedial action following the deactivation of utilities. The foundation is being deferred due to its' close proximity to live underground utilities (active 8 inch water line that feeds fire hydrant #25). To avoid damage, mechanical digging within 10 feet of this line is not allowed, thus the portion of the 3503A slab that lies within this ten foot boundary is being temporarily left in place. This water line will also be utilized by the field remediation project during the 300-FF-2 remedial action.

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:

A portion of the 3503A Electrical Cable Pit slab remains in place and is currently posted URMA (Underground Radioactive Material Area), under the general 300 area URMA posting. There are no IH postings or access restrictions associated with this structure.

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

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DOE-RL	Date 2/9/10
Lead Regulator ☒ EPA ☐ Ecology	Date 2-9-2010

DISTRIBUTION:

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Ecology: Rick Bond, H0-57
DOE: Rudy Guercia, A3-04
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D4 EPL: Chris Strand, L7-10
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:

The 3503-A facility was a below grade 10ft by 20ft concrete structure surmounted by a metal shed on its northern end. It was located just east of Wisconsin Street at the northwest corner of the former 384 Power House. Electrical power from the B3-S4 primary substation was routed underground to the 384 Power House via the 3503-Aand 3503-B cable pits. Emergency backup electrical power from the 3621-B/C Generator Control Building was routed to 384 via these same cable pits. The metal shed surmounting 3503-A structure was removed in 2008, leaving the below grade concrete portion. The 3503A Building was classified as a Type II facility. A Type II facility is considered potentially contaminated by past operations or processes that used hazardous or radioactive materials, and represents a potential for a release to the environment during D4 activities.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the 3503A Building/Facility. Table 2 summarizes the contaminants of concern for facility demolition.

Table 1. Summary of Samples Collected

Type	Quantity	Method Detection Limits	Results
Radiological Scoping surveys	1 Survey	Beta-gamma – 1,000 removable/ 5,000fixed [a] Alpha – 20 removable/ 100 fixed [a]	All results were below method detection limits.
Industrial Hygiene Scoping Surveys for Beryllium	5	Beryllium – Bulk Samples- 0.02 µg/sample	All bulk samples were measured at levels below the local background release criterion of 1.81µg/g
Asbestos – Thermal System Insulation and Miscellaneous Material	1	<1% weight	All samples were less than the method detection limit.
[a] – dpm/100 cm^2			

Table 2. Contaminants of Concern for Facility Demolition

There were no contaminants of concern for facility demolition. The facility was not radiologically or chemically contaminated.

Attachment 2: Project Photographs

3503A Building Complex before Demolition

3503A Building Complex Site after Demolition