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Control #: D4-300-095

FACILITY STATUS CHANGE FORM

Date Submitted:	Area:	Control #:
May 6, 2014	300 Area	D4-300-095
Originator:	**Facility ID:**	
Chris Strand	3790	
Phone:	**Action Memorandum:**	
554-2720	Action Memorandum #3	

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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 completed on the facility prior to demolition.

Decontamination and Decommissioning: Hazardous materials were removed prior to demolition and included oils, grease, mercury, ozone depleting substances, and asbestos. Asbestos was removed by certified asbestos workers.

Demolition of the 3790 Building above-grade structure was completed in March 2014. Initiation of below-grade demolition occurred in March 2014 and was completed in April of 2014. Hazardous materials and building debris were removed and disposed of at ERDF.

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:

The basement was uncontaminated, left in place, and was backfilled with clean fill material. No Industrial Hygiene postings remain. Therefore, no GPERS surveys were conducted.

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

N/A

Section 3: List of Attachments

1. Facility Information (building history and characterization).
2. Project photographs.
3. 3790 End-State Proposal.
4. 3790 Basement Civil Survey

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FACILITY STATUS CHANGE FORM

DOE-RL	Date 5/6/2014
N/A	Date 5/12/14
Lead Regulator ☒ EPA ☐ Ecology	

DISTRIBUTION:

EPA: Dennis Faulk, B1-46
Ecology: Rick Bond, HO-57
DOE: Rudy Guercia, A3-04
Document Control, H4-11
Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22
D4 EPL: Chris Strand, L4-45
Sample Design/Cleanup Verification: Theresa Howell, H4-23
FR Engineering: Eric Ison, L4-39
FR EPL: Chris Strand, L4-45

Attachment 1: Facility Information

Building History

3790 Central Badging Building

The 3790 building was a single-story structure with a basement constructed in 1982. The basement and main floor were reinforced concrete. The main floor walls were bolted steel framework with 1.6 cm (0.625 in) gypsum sheeting and aggregate faced 0.6 cm (0.25 in) cement asbestos board. The flat metal deck roof had 7.6 cm (3 in) rigid insulation and built-up asphalt and gravel finish. The building was cooled by thermostatic-controlled roof-mounted heat pumps with refrigeration cooling coils, electric heating coils, and exhaust fans. The basement heat pump was located in the basement equipment room.

The 3790 facility provided office space for security personnel in the 300 Area. In 1983, the facility was also being used to house Personnel Relations and the Evacuation Control Center for 309, 308, 324, and 325 building personnel in the basement.

3790 was located north of Cypress Street, west of California Avenue.

3790 Building Characterization:

Table 1. Summary of Characterization Surveys at 3790

Type	Date	Documented In	Results Summary
Asbestos	10/28/13	173564	Non-friable, Category I and Category II materials present in the form of asphaltic roofing and transite exterior siding.
IH Surveys and Beryllium Characterization	3/5/14	IHSP-3790-14-001	Building determined to be Be free.
Radiological	7/18/13	RSR-300PS-13-2921	No contamination identified.

Identification of Document Waste Sites:

None present. Rejected storm water Underground Injection Control wells decommissioned during demolition included the following:

300-204, 300-205, 300-206, 300-207, 300-208, 300-209, 300-210, and 300-225.

Anomalies Discovered During Demolition:

No anomalies were discovered during demolition. GPERS surveys were not conducted as the 3790 Building was not radiologically contaminated.

Attachment 2: Project Photographs

Photograph 1: 3790 building, looking northeast on August 4, 2006.

Photograph 2: 3790 during demolition, aerial photograph looking west on March 25, 2014.

Photograph 3: 3790 basement prior to backfill, looking west, April 7, 2014.

Photograph 3: 3790 basement prior to backfill, looking northwest, April 7, 2014.

Photograph 4: 3790 following backfill, looking south, May 5, 2014.

Photograph 5: 3790 following backfill, looking southeast, May 5, 2014.

Attachment 3: 3790 End-State Proposal

Strand, Christopher P

From: Gadbois, Larry <Gadbois.Larry@epa.gov>
Sent: Tuesday, November 19, 2013 11:59 AM
To: Guercia, Rudolph F
Cc: McCurley, Clay D; Strand, Christopher P
Subject: RE: 3790 End-State Proposal

EPA approves the end state proposal for 3790 as provided in the message below.

From: Strand, Christopher P [mailto:cpstrand@wch-rcc.com]
Sent: Tuesday, November 19, 2013 11:12 AM
To: Guercia, Rudolph F; Gadbois, Larry; McCurley, Clay D
Subject: RE: 3790 End-State Proposal

Rudy,

The RAWP, Section 2.6, Site Completion says 2 to 3.3 feet, end-state revised accordingly.

Chris
554-2720

END-STATE PROPOSAL FOR THE 3790 BUILDING

INTRODUCTION

This proposal has been developed to document the end-state of the 3790 building following demolition. The proposal also serves as basis to gain concurrence from the U.S. Environmental Protection Agency and U.S. Department of Energy, Richland Operation for "as left" conditions to be documented on a Facility Status Change Form (FSCF) in accordance with the Removal *Action Work Plan for 300 Area Facilities*, DOE/RL-2004-77, Rev. 2.

3790 BUILDING DESCRIPTION

The 3790, Badge House (Reference Figure 1), was constructed in 1982 and provided office space for security personnel. The 3790 Building is a single story, modified rectangular structure measuring 90 feet by 138 feet on a north-south axis. It has a raised foundation and a basement. The flat, metal deck roof has a rigid insulation and built-up asphalt and gravel finish. A thick cornice surrounds the roof. Decorative, vertical grooves are symmetrically placed in aggregate surface of all the exterior walls, but not on most of the cornice. Quarter inch cement asbestos board supports the aggregate finish. Double pane windows are present on all sides of the building. A single door entrance is in the south wall. On the east wall, double pain windows run symmetrically along the length of the building. A covered stairwell with two double doors to the basement is located on the east side of the building. On the north wall, there is a recessed single entry door on the west end with a ramp leading to it. A double glass door entrance within a portico is located near the center of the west wall. The basement level can be accessed by concrete stairwells on either side of the portico. At ground level, short concrete boundaries inlaid with aggregate shield the stairwells. The interior walls on the main floor are bolted steel framework with gypsum sheeting. In 1991, the basement was modified to accommodate 18 offices, and the bare concrete floors were carpeted as part of its conversion to house Safeguards and Security (HPIF-3790).

The 3790 Badge House provided office space and conference rooms for Safeguards and Security personnel. Until 1991, the basement of the 3790 building was used as the evacuation control center for buildings 308, 309, 324, and 325, while the ground floor contained the offices for security staff. In the event of an emergency evacuation, workers would file through the 3790 basement where they would be checked for contamination and/or breaches in security. During this period, the basement was divided into two sections: a "clean side" for general office personnel and other non-radiological workers and a "dirty side" for radiological workers wearing SWPs. With the closure of the 308 and 309 buildings, the need for the evacuation control center diminished, and the program was canceled. In 1991, with the easing of security measures at the Hanford Site and the demolition of the area badge houses, security personnel in the 300 Area were consolidated into the 3790 building. To accommodate this consolidation, the basement of 3790 was thoroughly modified to house more Safeguards and Security offices.

3790 BUILDING INTERIM END-STATE

The above grade portion of the building will be demolished using standard industry techniques. Prior to demolition, all the below grade utilities and piping systems that exit the basement will be isolated. The building provided administrative support to 300 Area and Hanford Site operation and had no "process" function. Therefore, the only utilities servicing the building were electrical, sanitary water, and sanitary sewer. In addition, the building lies outside the 300 Area underground radioactive material area. Therefore, no concerns exist regarding the potential for the basement to be radiologically contaminated. All ancillary and miscellaneous peripheral equipment, etc. are to be removed from around the building as part of above-grade demolition. Prior to demolition, all hazardous materials (excepting ACM roofing material) will be removed from the entire building, including the basement.

The building basement walls and foundation are proposed to be left in place. Following demolition of the above-grade structure, to include the first floor slab, an excavator will enter the basement from the east

side and remove remaining interior walls and debris. The final configuration of the building will consist of remaining basement walls and slab. Walls will be removed 2 to 3.3 feet below grade to facilitate backfill (Reference basement floor plan). A final inspection will be conducted to document cleanliness of the basement prior to backfill, which will be documented on a Facility Status Change Form provided to EPA and DOE for approval.

Figure 1. 3790 Building looking north east, August 2006.

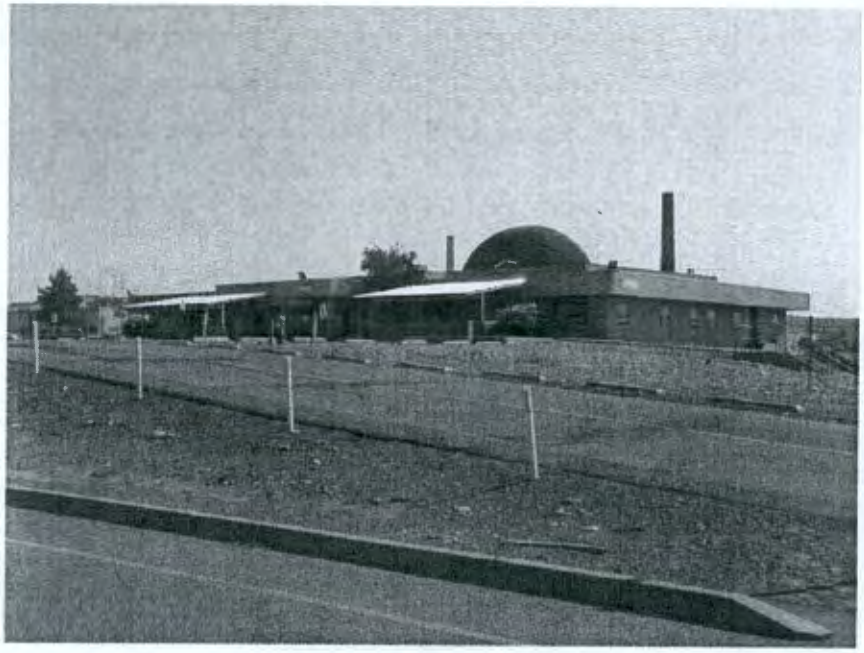
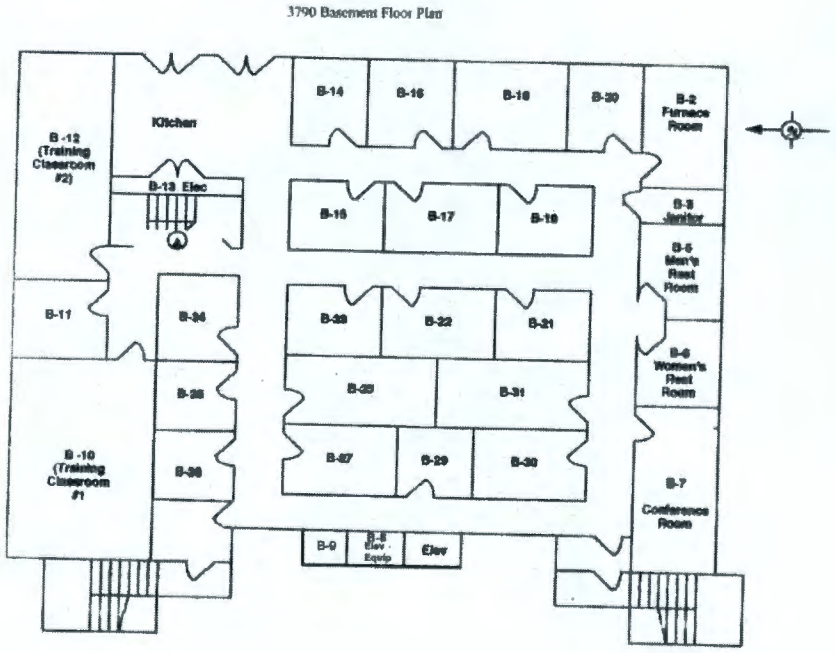
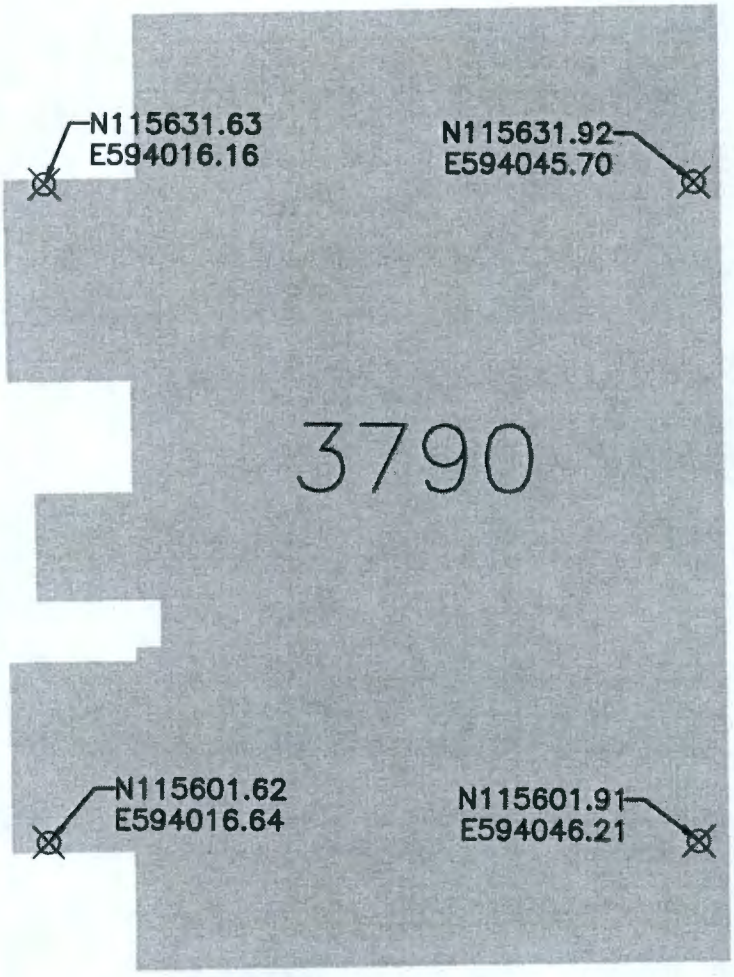


Figure 2. 3790 Basement Floor Plan



Attachment 4: 3790 Basement Civil Survey



NOTES:

Coordinate System: US State Plane 1983
Coordinate Zone: Washington South 4602
Datum: NAD 1983 (Conus) CORS96
Coordinate Units: Meters

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