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FACILITY STATUS CHANGE FORM

Date Submitted: 1/24/2017	Area: 200W	Control Number: D4-PFP-045
Originator: James Leary	Facility ID: 2727Z	Phone: 509 942-6675

Action Memorandum/Removal Action Work Plan:
DOE/RL-2005-13/DOE/RL-2011-03

This form documents the status of facility decontamination, deactivation, decommissioning, and demolition operations or debris removal in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

All D4 operations required by action memo complete.

Description of Completed Activities and Current Conditions:

Building 2727Z was deactivated and demolished to slab-on-grade in August 2016. Deactivation and demolition actions completed included, but were not limited to, the following:

- Mechanical and electrical utilities were isolated.
- Unattached materials and equipment were removed and disposed.
- Non-radiological and radiological characterization of the facility was performed.
- Hazardous materials were removed in accordance with a pre-demolition checklist and properly disposed (e.g., refrigerants, lights [fluorescent and incandescent], batteries, and any items containing lead).
- A thorough inspection for asbestos containing material (ACM) was conducted. No ACM was identified prior to demolition. Residual mastic material in a previously inaccessible location between the slab and building walls was discovered during the post demolition walkdown. This material was sampled and determined to be Category 1 non-friable ACM. A beryllium report was also completed to document that no beryllium was present.
- Structure, equipment, etc. above the slab were removed and disposed in ERDF (no transuranic waste was generated).
- Following demolition, radiological surveys were performed. No radiological contamination was found.

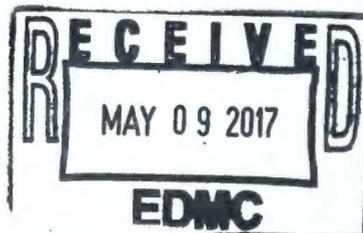
Demolition was performed using standard demolition practices and equipment such as excavators with attachments for shearing, handling, and size reduction of the structure and associated equipment/components.

References - The required facility removal actions were performed in accordance with:

- DOE/RL-2005-13, *Action Memorandum for the Plutonium Finishing Plant Above Grade Structures Non-Time Critical Removal Action*,
- DOE/RL-2011-03, *Removal Action Work Plan for the Deactivation, Decontamination, Decommissioning, and Demolition of the Plutonium Finishing Plant Complex*,
- HNF-22401, *Plutonium Finishing Plant (PFP) Complex End Point Criteria*, and
- DOE/RL-2015-62, *Revision 0, Plutonium Finishing Plant Endpoint Criteria Checklist for Seven Ancillary Buildings*.

Total D4 Cost for the Facility:

\$22.6K



m/s: m-083-00A

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FACILITY STATUS CHANGE FORM (continued)

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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 a separate CERCLA Response Action.
- Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned. Cleanup and closeout to be addressed under a separate CERCLA Response Action.

Description of Current/As-Left Conditions:

The 2727Z slab has been left in place, and a layer of gravel placed on top and contoured to provide a stabilized condition suitable for D4 activities to proceed in adjacent areas. A walkdown of the area where the structure previously stood has been conducted to confirm that demolition is complete, waste has been removed and the PFP area is appropriately posted in accordance with radiological and occupational safety requirements. Residual Category 1 ACM mastic material remains on the slab perimeter where it sealed the juncture between the slab and exterior walls. (See CWR-PFP-00008, Rev. 0, 2727Z and 2729Z Demolition Report).

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

N/A

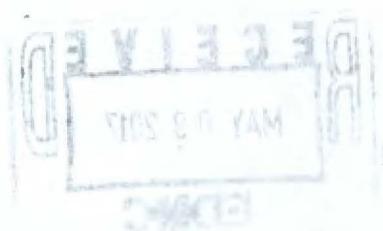
Section 3: List of Attachments

- Attachment 1: Facility Information;
- Attachment 2: Pre-Demolition and Post-Demolition Photographs;
- Attachment 3: Supporting Information

THOMAS K. TEYNOR
DOE-RL Print

[Handwritten Signature]
Signature

02-08-2017
Date



FACILITY STATUS CHANGE FORM (continued)

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Attachment 1: Facility Information

2727Z, Supply Storage Building

The 2727Z Supply Storage Building is a pre-engineered metal building with metal siding and roof on footings with stem walls and a reinforced concrete slab floor. It was constructed in 1966 and has been used for storage of equipment and supplies.

Characterization

Table 1 summarizes the characterization information collected prior to demolition

Table 1. Summary of Characterization Information

Type	Documented In	Results Summary
Asbestos	CHPRC-02855, Asbestos NESHAP Thorough Inspection Report at 2727-Z	The asbestos thorough inspection found no evidence of asbestos containing material (ACM) associated with the 2727Z building. Mastic containing asbestos was discovered during the post demolition walkdown. The mastic was sampled and determined to be category 1 ACM.
Beryllium	Beryllium Characterization report for 2727Z, dated 4/13/2015.	The beryllium inspection found no indication of beryllium contamination associated with the 2727Z building.
Radiological	RCSP-PFP-Auxiliary-003-00 Report, <i>Auxiliary Buildings Radiological Characterization Summary Report, Building 2727Z.</i>	The radiological evaluation found no evidence of radiological contamination associated with the 2727Z building.

Waste Disposition

Hazardous materials were identified during walk downs. The Ready for Demolition Checklist verified that the hazardous materials were removed prior to demolition, or were included in calculations confirming that the material could be met if left in place and disposed with the building rubble that would meet Environmental Restoration Disposal Facility (ERDF) waste acceptance criteria. Wastes were disposed of at ERDF.

Associated WIDS Sites

No WIDS sites were associated with the 2727Z Building.

Anomalies Discovered During Demolition

No anomalies were discovered during demolition. Soils around the slab displayed no visual evidence of staining or discoloration.

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Attachment 2: Pre-Demolition and Post-Demolition Photographs



Figure 1. 2727Z Pre-demolition



Figure 2. 2727Z Post-demolition

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Attachment 3: Supporting Information

Supporting information and documentation for this Facility Status Change Form is provided in Appendix B of CWR-PFP-00008-ADD1, Revision 0, 2727Z and 2729Z Demolition Report. Appendix B has the following documentation items for 2727Z:

B1 Ready For Demolition Task Checklist

The 2727Z Ready for Demo Checklist identifies tasks to be completed prior to demolition. Completion of each task on the checklist is verified by appropriate personnel after a walkdown and review of documentation as needed.

B2 Completed Work Package Signature Pages

One Work package performed isolation and demolition of both 2727Z and 2729Z. Building 2727Z was demolished in August 2016 under Work Package 2Z-16- 02350 /M.

B3 Beryllium Facility Assessment

The Beryllium Verification Report and associated characterization report documents the sampling and verification activities associated with the 2727Z building. The report concluded that the building was clear of beryllium contamination.

B4 Pre-Demolition Radiological Survey Report of 2727Z

The Pre Demo Radiological Report documents the sampling and verification activities associated with the 2727Z building to assure proper radiological controls are in place and to plan waste disposal.

B5 Final Radiological Survey Report of 2727Z

The report documents that no measurable radiological contamination requiring radiological control remains at the 2727Z building slab.

B6 Review of Waste Handling and Disposal Records

The memo documents successful review of waste disposal records.

B7 Email Summary and Post Demolition Walkdown Checklist

The checklist documents the results of the Post Demolition Walkdown of 2727Z.

B8 Asbestos NESHAP Thorough Inspection Report at 2727Z

CHPRC-02855 documents the thorough inspection of 2727Z for ACM prior to demolition.