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[0069243H]

### FACILITY STATUS CHANGE FORM

Date Submitted: 6/19/2017 Area: 200W Control Number: D4-PFP-058

Originator: James Leary Facility ID: 2734ZK Phone: 509 942-6675

0065108

Action Memorandum/Removal Action Work Plan:  
DOE/RL-2005-13 / DOE/RL-2011-03 1226831

This form documents the status of facility decontamination, deactivation, decommissioning, and demolition (D4) operations or debris removal in accordance with the applicable regulatory decision documents.

#### Section 1: Facility Status

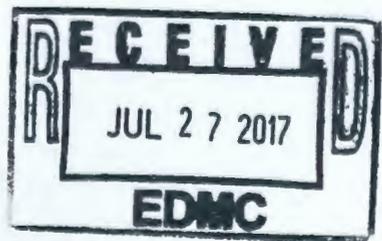
All D4 operations required by action memo complete.

#### Description of Completed Activities and Current Conditions:

The 2734ZK Building (Gas Bottle Storage Building) was deactivated and demolished in March 2016 to facilitate modifications to 234-5Z for the removal of equipment from the second floor. Deactivation and demolition activities included but were not limited to the following:

- Isolated mechanical and electrical utilities
- Removed and disposed of unattached materials and equipment
- Performed nonradiological and radiological facility characterization
- Removed and properly disposed of hazardous materials (e.g., refrigerants, lights [fluorescent and incandescent], batteries, and any items containing lead)
- Conducted a thorough inspection for asbestos-containing materials (ACMs) and completed a report confirming that no ACMs were present
- Completed a beryllium report to document that no beryllium was present
- Removed and disposed of structure above the slab in the Environmental Restoration Disposal Facility (generated no transuranic waste)
- Performed demolition using standard practices and equipment such as excavators with attachments for shearing, handling, and size reduction of the structure and associated equipment/components
- Following demolition, performed radiological surveys that found no radiological contamination
- Completed required facility removal actions in accordance with the following documents:
  - 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
  - DOE/RL-2015-36, 234-5Z and Attached Structures Endpoint Criteria Checklist

Total D4 Cost for the Facility:  
\$3,000



**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 2734ZK slab has been left in place and is exposed to the elements. Currently, the scaffolding used to support a platform attached to the second floor of 234-5Z is sitting on the 2734Z slab. A walkdown of the area was conducted where the structure previously stood to confirm that demolition was completed, waste was removed, and the Plutonium Finishing Plant area has been appropriately posted in accordance with radiological and occupational safety requirements.

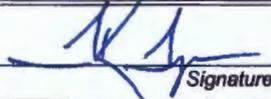
**Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):**

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 First and Last Name*

  
*Signature*

July 21, 2017  
*Date*

NOTE: The information on this form also satisfies the related facility closeout reporting requirements from DOE O 430.1B, Real Property Asset Management.

**FACILITY STATUS CHANGE FORM (continued)**

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**Attachment 1: Facility Information**

**2734ZK Gas Bottle Storage Building**

Constructed in 1974, the approximately 7.2 m (77 ft<sup>2</sup>) 2734ZK Building was erected on a concrete slab with a single-layer aluminum sheeting roof. Cinderblocks formed the back wall and the separation wall between the flammable gas and nonflammable gas storage areas. The east and west side walls were made of aluminum. The front was composed of three metal open-grid doors that provided access to the flammable and nonflammable gas storage areas.

**Characterization**

Table 1 summarizes the characterization information collected prior to demolition.

**Table 1. Summary of Characterization Information**

Type	Documented In	Results Summary
Asbestos	CHPRC-03016, Rev. 0, <i>Asbestos NESHAP Thorough Inspection Report at 2734ZK</i>	The asbestos thorough inspection found no evidence of ACM associated with the 2734ZK Building.
Beryllium	<i>Beryllium Characterization Report for 2734ZK, dated 02/18/15</i>	The beryllium inspection results associated with the 2734ZK Building: samples taken were either below laboratory reporting limits or below the trigger level. No additional beryllium sampling is required prior to demolition.
Radiological	RSR No. Z-1601046, <i>Pre-Demolition Radiological Survey Report for the 2734ZK Building, dated 03/18/16</i>	The radiological evaluation found no evidence of radiological contamination associated with the 2734ZK Building.

**Waste Disposition**

Gas bottles and other hazardous materials identified during walkdowns were removed prior to demolition to meet Environmental Restoration Disposal Facility (ERDF) waste acceptance criteria (ERDF-00011, 2016, *Environmental Restoration Disposal Facility Waste Acceptance Criteria formerly WCH-191 Rev. 4*). Demolition debris was sent to and disposed of at ERDF. The work associated with removal of the 2734ZK Building was performed under Work Package 2Z-15-00452, *Room 265 North Wall Opening/Door Modification in Building 234-5Z*.

**Associated Waste Information Data System (WIDS) Sites**

No WIDS sites were associated with the 2734ZK 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. 2734ZK Pre-Demolition**



**Figure 2. 2734ZK Post-Demolition**

**FACILITY STATUS CHANGE FORM (continued)**

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**Attachment 3: Supporting Information**

Supporting information and documentation for this Facility Status Change Form are provided in Appendix B of CWR-PFP-00012-ADD1, *2734ZK End Point Documentation*, which provides the evidence to document how applicable endpoints for 2734ZK demolition were satisfied. The following list summarizes the content of the supporting documentation.

**1. Email Summary and Post-Demolition Checklist**

*Documents the results of the post-demolition walkdown of 2734ZK.*

**2. Work Package 2Z-15-00452**

*Verifies isolation of utilities, removal of the structure, and completion of the worksite walkdown.*

**3. Chemical Inventory Tracking System (CITS) Report**

*Provides documentation that all chemicals have been removed.*

**4. Beryllium Verification Report**

*Documents the beryllium characterization of the 2734ZK Building. The report concluded that the building was clear of beryllium contamination.*

**5. Pre-Demolition Radiological Survey Report**

*Documents the radiological characterization of the 2734ZK Building to support proper radiological controls and waste disposal.*

**6. Final Radiological Survey Report of 2734ZK**

*Documents that no measurable radiological contamination requiring radiological control was found on the 2734ZK slab following demolition of the structure.*

**7. Review of Waste Handling and Disposal Records**

*Documents successful review of waste disposal records confirming proper waste handling and disposal.*

**8. Asbestos NESHAP Thorough Inspection Report at 2734ZK**

*CHPRC-03016, Asbestos NESHAP Thorough Inspection Report at 2734ZK, documents the thorough inspection of 2734ZK for asbestos-containing material prior to demolition.*