

# 267Z Facility Status Change Form

Prepared for the U.S. Department of Energy  
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy  
under Contract DE-AC06-08RL14788

**CH2MHILL**  
Plateau Remediation Company

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**Richland, Washington 99352**

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**APPROVED**  
*By Lynn M. Ayers at 4:13 pm, Oct 26, 2020*

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Release Approval

Date

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## FACILITY STATUS CHANGE FORM

Date Submitted: 06/04/2019	Area: 200W	Control Number: D4-PFP-032
Originator: James Leary	Facility ID: 267Z	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:**

The 267Z Fire Riser 9 Valve House was deactivated and demolished in September 2017 with demolition completed on October 6, 2017. Deactivation and demolition activities included but were not limited to the following:

- Mechanical and electrical utility isolation
- Characterization
- Removal of hazardous materials
- Inspection for presence of asbestos-containing material (ACM)
- Evaluation for presence of beryllium
- Removal of the structure above the slab using standard demolition practices and equipment such as excavators with attachments for shearing, handling, and size reduction
- Disposal of demolition wastes in the Environmental Restoration Disposal Facility (ERDF)
- Evaluation of radiological conditions and posting in accordance with procedures

Actions were completed in accordance with the Action Memorandum, Removal Action Work Plan, and applicable endpoint criteria as identified in 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

### **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.

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**Description of Current/As-Left Conditions:**

Demolition was completed on October 6, 2017. The structure was attached to 234-5Z and the former location will be integrated into the 234-5Z contamination control cap. A walkdown of the area where the structure previously stood was conducted to confirm that demolition was completed, waste was removed, and the area had 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

<p>DOE-RL</p>	<p><u>THOMAS TEYNOR</u> <i>Print First and Last Name</i></p>	<p> <i>Signature</i></p>	<p><u>June 04, 2019</u> <i>Date</i></p>
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NOTE: The information on this form also satisfies the related DOE 430.1B Facility Closeout Reporting Requirements.

## FACILITY STATUS CHANGE FORM (continued)

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### Attachment 1: Facility Information

#### 267Z Fire Riser 9 Valve House

The 267Z Fire Riser 9 Valve House is approximately 10 ft long by 7 ft wide, with metal sides and a roof attached to the north side of PFP near the main building entrance. The building provided protection for fire riser #9.

#### Characterization

Table 1 summarizes the characterization information collected prior to demolition.

**Table 1. Summary of Characterization Information**

Type	Documented In	Results Summary
Asbestos	CWR-PFP-00023, <i>Asbestos NESHAP Thorough Inspection Report at 267Z</i> , Rev. 0	Category 1 ACM identified during the thorough inspection of the 267Z Fire Riser 9 Valve House included gaskets and valve packings. The back wall of 267Z is the outside wall of 234-5Z, which contains roofing felt.
Beryllium	BFA-B-20885, <i>Beryllium Facility Assessment for 267Z</i> dated 09/24/15	The beryllium assessment noted that sample results associated with the 267Z Building were below the trigger level. The structure is beryllium cleared but is adjacent to 234-5Z, a beryllium controlled facility.
Radiological	CWR-PFP-00036, <i>PFP 234-5Z Facility Radiological Data Summary</i> , Rev. 0	The 267Z was considered to be a nonradiological facility.

#### Waste Disposition

Hazardous materials identified during walk downs were removed prior to demolition to meet 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 267Z Building was performed under Work Package 2Z-17-01699.

#### Associated Waste Information Data System (WIDS) Site

There were no wastes sites associated with 267Z.

#### 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. 267Z Pre-Demolition**



**Figure 2. 267Z Post Demolition**

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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-ADD3, 2734ZA, 2734ZB, 2734ZC, 2734ZD, 2734ZL and 267Z *Endpoint Documentation*, which provides the evidence to document how applicable endpoints for 267Z demolition were satisfied. The following list is the Summary of Contents from Appendix B of CWR-PFP-00012-ADD3.

#### **B1 Ready for Demolition Checklist**

The attached structures were addressed in the 234-5Z Plutonium Processing and Storage Facility Ready for Demolition Checklist, which identifies tasks verified as complete prior to demolition. Completion of each task on the checklist is verified by appropriate personnel after a walkdown and review of documentation, as needed. The checklist supports the verification for completion of facility endpoints 5, 6, 7, and 14, as well as the complex endpoint C-27.

#### **B2 Work Package Information**

Demolition of 267Z, 2734ZA, 2734ZB, 2734ZC, 2734ZD, and 2734ZL was performed under work package 2Z-17-01699. The demolishing of the 2734ZA, 2734ZB, 2734ZC, 2734ZD, and 2734ZL Buildings occurred as part of demolition of Zone 3 of the main 234-5Z Building. The demolishing of 267Z occurred as part of demolition of Zone 2 of the main 234-5Z Building. Work packages 2Z-17-01699 and 2Z-15-04374 will remain open pending the completion of 234-5Z demolition.

#### **B3 Isolation Information**

Verification of drains from the 2734ZL Building was completed by inspection of the associated underground injection controls (UIC) prior to demolition. Photographic documentation is provided below. Revision 5 of CHPRC-03240, Verifications of Hazardous Energy Isolations for Buildings 234 5Z, 234 5ZA and 291-Z, documented the isolation of the remainder of the PFP Complex, which included the remaining structures attached to 234-5Z. The page from the section of the VOHEI that documents the only unique isolation from 267Z is provided in this section.

#### **B4 Email Summary and Post Demolition Walkdown**

The email documents the virtual walkdown of 2734ZA, 2734ZB, 2734ZC, 2734ZD, 2734ZL, and 267Z.

#### **B5 Chemical Inventory Tracking System (CITS) Reports**

The Chemical Inventory Tracking System (CITS) reports for 267Z, 2734ZA, 2734ZB, 2734ZC, 2734ZD, and 2734ZL provide documentation that no chemicals were in storage, supporting endpoint 234 5Z F 14.

#### **B6 Beryllium Verification Reports**

Beryllium Verification Reports, which document the sampling and verification activities associated with the attached buildings (267Z, 2734ZA, 2734ZB, 2734ZC, 2734ZD, and 2734ZL), are provided. The reports reflect that all facilities were sampled and none required beryllium controls. These documents support the verification for completion of endpoint 234-5Z-F-09.

#### **B7 Review of Waste Handling and Disposal Records**

The memorandum documents the successful review of waste disposal records for 2734ZA, 2734ZB, 2734ZC, 2734ZD, and 2734ZL that were removed as part of the Zone 3 demolition, documenting endpoint 234-5Z-F-20. Waste from 267Z will be addressed as part of the 234-5Z Zone 2 waste.



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**B8 Asbestos NESHAP Thorough Inspection Reports**

Release sheets are provided for the documentation of the thorough inspection of the buildings for asbestos-containing material (ACM) prior to demolition. The email documents U.S. Environmental Protection Agency (EPA) compliance with the site asbestos program per endpoint C-27. Other asbestos reports include CWR-PFP-00017 for 2734ZA and 2734ZC, CWR-PFP-00018 for 2734ZB and 2734ZD, CWR-PFP-00019 for 2734ZL, and CWR-PFP-00023 for 267Z. Asbestos abatement was required only for 2734ZA, which was independently field verified, as reflected in the email below. An EPA approval email for leaving potential ACM materials associated with 2734Z and 267Z (potential asbestos gaskets) is also provided. EPA approval for the common wall between 267Z and 234-5Z is addressed in the 234-5Z report.