



**Department of Energy**  
West Valley Demonstration Project  
10282 Rock Springs Road  
West Valley, NY 14171-9799

February 3, 2015

Received February 9, 2015  
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Mr. Michael Norato, Chief  
Materials Decommissioning Branch  
Decommissioning and Uranium Recovery Licensing Directorate  
Division of Waste Management and Environmental Protection  
Office of Federal and State Materials and Environmental Management Program  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**SUBJECT:** Transmittal of U.S. Department of Energy (DOE) West Valley Demonstration Project (WVDP) Radiological Characterization Reports (RCR) to the U.S. Nuclear Regulatory Commission (NRC) for Information

- REFERENCES:**
- 1) Phase 1 Characterization Sampling and Analysis Plan for the West Valley Demonstration Project, Revision 1, June 2011
  - 2) Phase 1 Decommissioning Plan for the West Valley Demonstration Project, Revision 2, December 2009

Dear Mr. Norato:

This letter transmits to the NRC, for information purposes, the following final reports documenting radiological soil characterization that was recently completed in portions of the WVDP:

1. Radiological Characterization Report for the High Level Waste Canister Interim Storage Area for Task Order 9 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 1, April 2014
2. Field Sampling Plan for Task Order 9 Site Characterization Services West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 0, September 2013
3. Radiological Characterization Report for the Balance of Site Facilities (BOSF) for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 3, July 2014
4. Field Sampling Plan for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 2, June 2014

*The Radiological Characterization Report (RCR) for the High Level Waste Canister Interim Storage Area for Task Order 9 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 1, describes the radiological characterization results for soil sampled at the base of the excavation for the WVDP High-Level Waste (HLW) canister storage area and gamma walkover survey results for the excavated soils removed during this project.*



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The sampling was performed in accordance with requirements in *Field Sampling Plan for Task Order 9 Site Characterization Services West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 0*. This field sampling plan was prepared in accordance with the *Phase 1 Characterization Sampling and Analysis Plan (CSAP) for the West Valley Demonstration Project, Rev. 1*, which describes the environmental radiological characterization activities that will be performed to support the Phase 1 decommissioning activities described in the *Phase 1 Decommissioning Plan (DP) for the West Valley Demonstration Project, Rev. 2*.

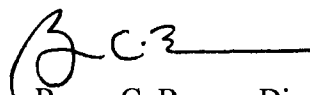
The *Radiological Characterization Report for the Balance of Site Facilities (BOSF) for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 3*, describes the radiological characterization results associated with remedial action surveys performed after the latest removal of BOSF at the WVDP. The BOSF includes buildings, site infrastructure, and gravel and concrete pads that are scheduled to be removed by the WVDP site contractor, CH2M HILL B&W West Valley, LLC (CHBWV). The BOSF RCR is a living document that will be updated periodically to document the remedial action surveys that are performed as BOSFs are removed from the WVDP. Revision 3 of the BOSF RCR includes the characterization results collected after the removal of the T-FS-04 Building, the Biovent System Shack, and the Expanded Environmental Laboratory footings. The BOSF sampling was performed in accordance with requirements identified in *Field Sampling Plan for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 2*, which was prepared in accordance with requirements in the CSAP.

These RCR's are being submitted to NRC for information to partially fulfill requirements of the DP (Reference 2). One paper copy of each report and one compact disc that contains the electronic files of all reports are being provided.

### **For Further Information**

Please let us know if NRC needs any additional information regarding these documents. Please refer any questions about this submittal to Moira Maloney of my staff at 716-942-4255.

Sincerely,



Bryan C. Bower, Director  
West Valley Demonstration Project

Enclosures: See Page 3

cc: See Page 3

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- Enclosures:
1. Radiological Characterization Report for the High Level Waste Canister Interim Storage Area for Task Order 9 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 1, April 2014
  2. Field Sampling Plan for Task Order 9 Site Characterization Services West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 0, September 2013
  3. Radiological Characterization Report for the Balance of Site Facilities (BOSF) for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-RCR, Rev. 3, July 2014
  4. Field Sampling Plan for Task Order 5 West Valley Demonstration Project Environmental Characterization Services, SEC-FSP, Rev. 2, June 2014
  5. CD containing electronic files of the reports identified above

cc: J. R. Craig, DOE-EMCBC, Office of the Director, w/o enc.  
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