



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

August 1, 2013

Mr. Drew Persinko, Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
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) SEC-FSP, Rev. 0 (357698), "Field Sampling Plan for Task Order 4 West Valley Demonstration Project, Environmental Characterization Services, West Valley, New York, Rev. 0," dated June 2012
- 2) Phase 1 Characterization Sampling and Analysis Plan for the West Valley Demonstration Project, Revision 1, dated June 2011
- 3) Phase 1 Decommissioning Plan for the West Valley Demonstration Project, Revision 2, dated December 2009
- 4) SEC-FSP, Rev. 0 (357721), "Field Sampling Plan for West Valley Demonstration Project, Environmental Characterization Services, West Valley, New York, Rev. 0," dated June 2012

Dear Mr. Persinko:

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) SEC-RCR – Radiological Characterization Report for the High Level Waste Canister Interim Storage Area for Task Order 4, Revision 0, April, 2013
- 2) SEC-RCR – Radiological Characterization Report for the Balance of Site Facilities (BOSF), Revision 0, April, 2013

The *Radiological Characterization Report for the High Level Waste Canister Interim Storage Area* describes the radiological characterization results of near surface soils in the proposed location of the WVDP High Level Waste (HLW) canister storage area. The sampling was performed in accordance with requirements in Reference 1, which was submitted to the NRC on June 27, 2012. This field sampling plan was prepared in accordance with the *Phase 1 Characterization Sampling and Analysis Plan for the West Valley Demonstration Project, Revision 1, June 2011*, (CSAP), 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 for the West Valley Demonstration Project, Revision 2, December 2009*, (DP).

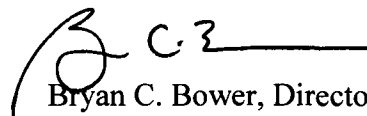
The BOSF describes the radiological characterization results associated with remedial action surveys performed after the removal of several BOSF at the WVDP. The BOSF include buildings, electrical substations, site infrastructure, and gravel and concrete pads that are scheduled to be removed by the WVDP site contractor, CH2M HILL B&W West Valley, LLC (CHBWV). The BOSF Radiological Characterization Report (RCR) will be a living document that will be updated periodically to document the remedial action surveys that are performed as BOSF are removed from the WVDP. The BOSF sampling was performed in accordance with requirements identified in Reference 2, which was submitted to the NRC on June 27, 2012. This field sampling plan was also prepared in accordance with requirements in the CSAP. The BOSF RCR also includes the results of gamma walkover surveys and soil sampling performed during a background soil sampling study that was performed at two locations within the Western New York Nuclear Service Center.

These RCR's are being submitted to NRC for information to partially fulfill requirements of the DP (Reference 3). One paper copy of each report and one compact disc that contains the electronic files of both 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:
1. SEC-RCR – Radiological Characterization Report for the High Level Waste Canister Interim Storage Area, Revision 0, April, 2013 (1 copy)
 2. SEC-RCR – Radiological Characterization Report for the Balance of Site Facilities (BOSF), Revision 0, April, 2013 (1 copy)
 3. One CD (Containing electronic files of both RCR identified above)

cc: See Page 3

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Mr. Drew Persinko

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cc: J. R. Craig, DOE-EMCBC, Office of the Director, w/o enc.
R. E. Holland, DOE-EMCBC, Office of the Director, w/o enc.
J. S. Kang, DOE-HQ, EM-31, CLOV, w/o enc.
M. N. Maloney, DOE-WVDP, AC-DOE, w/o enc.
L. W. Camper, NRC, w/o enc.
C. J. Glenn, NRC, w/o enc.
P. J. Bembia, NYSERDA, AC-NYS, w/#3 enc.

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