

WVDP Vitrification Melter Draft WIR Evaluation, Key Reference List

Federal Statutes

West Valley Demonstration Project Act, Public Law 96-368 (S. 2443), of October 1, 1980 (and related legislative history).

Code of Federal Regulations and Federal Register Notices

75 FR 75, *Record of Decision: Final Environmental Impact Statement for Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project and Western New York Nuclear Service Center*. U.S. Department of Energy, West Valley, New York, April 20, 2010.

DOE Orders, Policies, Manuals, and Standards

DOE Order 435.1, *Radioactive Waste Management*, Change 1. U.S. Department of Energy, Washington, D.C., August 28, 2001.

DOE Order 5400.5, *Radiation Protection of the Public and the Environment*, Change 2. U.S. Department of Energy, Washington, D.C., January 7, 1993.

DOE Policy 441.1, *Department of Energy Radiological Health and Safety Policy*. U.S. Department of Energy, Washington, D.C., April 26, 1996.

DOE Manual 435.1-1, *Radioactive Waste Management Manual*, Change 1. U.S. Department of Energy, Washington, D.C., June 19, 2001.

DOE Guide 435.1-1, *Implementation Guide For Use With DOE M 435.1-1*. U.S. Department of Energy, Washington, D.C., July 9, 1999.

Other References

Brooks 1993, *Slurry Fed Ceramic Melter Disassembly Report*, Brooks, R., West Valley Nuclear Services, West Valley, New York, April 23, 1993.

CLI-05-05, 2005, *In the Matter of Louisiana Energy Services, L.P. (National Enrichment Services)*, slip op. at 11, January 18, 2005.

Cole, et al. 1995, *Comparison of Selected DOE and Non-DOE Requirements, Standards, and Practices for Low-Level Radioactive Waste Disposal*, DOE/LLW-225, Revision 0. Cole, L., D. Kudera, and W. Newberry, Idaho National Engineering Laboratory, Lockheed Idaho Technologies Company, Idaho Fall, Idaho, December 1995.

DOE 1994, *Decommissioning Handbook*, DOE/EM-0142P. U. S. Department of Energy, Washington, D.C., March 1994.

DOE 2006, *West Valley Demonstration Project Waste Management Environmental Impact Statement, Supplement Analysis*, DOE/EIS-0337-SA-01, Revised Final. U.S. Department of Energy, West Valley, New York, June 7, 2006.

DOE 2009, *Nevada Test Site Waste Acceptance Criteria*, DOE/NV-325-Rev. 7-01. U.S. Department of Energy, National Nuclear Security Administration, Nevada Site Office, Waste Management Project, Las Vegas, Nevada, May 2009.

DOE 2010a, Letter from DOE-Nevada Site Office to DOE-West Valley on Approval to Ship West Valley Environmental Services (WVES) Low-Level Radioactive Waste [the Vitrification Melter Waste Package] to the Nevada Test Site, dated July 6, 2010.

WVDP Vitrification Melter Draft WIR Evaluation, Key Reference List

- DOE 2010b, Letter from DOE-Nevada Site Office to DOE-West Valley on Special Performance Assessment (PA) Results Summary of Impacts of the Disposal of the West Valley Glass Melter in Area 5 Radioactive Waste Management Site (RWMS), WMP:6655:JC, dated July 29, 2010.
- DOE and NRC 1981, *West Valley Demonstration Project Memorandum of Understanding Between the U.S. Department of Energy and the U.S. Nuclear Regulatory Commission*. September 23, 1981.
- Eisenstatt 1986, *Description of the West Valley Demonstration Project Reference High-Level Waste Form and Canister*, DOE/NE/44139-26. Eisenstatt, L. R., U.S. Department of Energy, West Valley, New York, 1986.
- Kelly and Meess 1997, *THOREX Processing and Zeolite Transfer for High-Level Waste Stream Processing Blending*, Topical Report DOE/NE/44139-82. Kelly, S. and D.C. Meess, West Valley Nuclear Services Company, West Valley, New York, July 1997.
- Lachapelle 2003, *Vitrification Facility (VF) Radioisotope Inventory Report*, RIR-403-010, Revision 1. Lachapelle, E., West Valley Nuclear Services Company, West Valley, New York, June 17, 2003.
- NRC 2004, Letter from R.R. Bellamy (NRC) to T.J. Jackson (DOE-West Valley), U.S. Nuclear Regulatory Commission Monitoring Visit 2004-02. U.S. Nuclear Regulatory Commission Region, 1 King of Prussia, Pennsylvania, December 9, 2004.
- NST 2009a, *Nevada Test Site Environmental Report 2008*, DOE/NV/25946 – 790. National Security Technologies, LLC, Las Vegas, Nevada, September 2009.
- NST 2009b, *Nevada Test Site Radiological Control Manual*, DOE/NV/25946—801, Revision 0. National Security Technologies LLC, Las Vegas, Nevada, October 2009.
- NST 2010, *2009 Annual Summary Report for the Area 3 and Area 5 Radioactive Waste Management Sites at the Nevada Test Site Nye County, Nevada: Review of the Performance Assessments and Composite Analyses*, DOE/NV/25946—6893. National Security Technologies, LLC, North Las Vegas, Nevada, March 2010.
- Petkus, et al. 2003, *A Complete History of the High-Level Waste Plant at the West Valley Demonstration Project*. Petkus, L.L, J. Paul, P. Valenti, H. Houston, and J. May, Waste Management 03 Conference, Tucson, Arizona, February 23-27, 2003.
- Purdue 2004, *Economic Practicality Analysis for the West Valley Demonstration Project's Vitrification Facility Melter*. Purdue, R.K., Westinghouse Electric Company Science and Technology Department, Pittsburgh, Pennsylvania, November 8, 2004.
- Rykken 1986, *High-Level Waste Characterization at West Valley*, DOE/NE/44139-14. Rykken, L.E., West Valley Nuclear Services Co., West Valley, New York, June 2, 1986.
- TCEQ 2010, *Radioactive Material License R04100 Issued to Waste Control Specials, LLC*, Amendment 02. Texas Commission on Environmental Quality, Austin, Texas, March 5, 2010.

WVDP Vitrification Melter Draft WIR Evaluation, Key Reference List

- Vance, et al. 1997, *Design of Equipment Used for High-Level Waste Vitrification at the West Valley Demonstration Project*, Topical Report DOE/NE/44139-73. Vance, R.F, B.A. Brill, D.E. Carl, H.S. Dhingra, R.A. Meigs, and M.G. Studd, West Valley Nuclear Services Company, West Valley, New York, June 1997.
- WCS 2008, *Waste Acceptance Criteria*. Waste Control Specialists LLC, Rosebud, Texas, June 18, 2008.
- WCS 2009, *Waste Acceptance Plan for Low-Level Radioactive Waste Disposal Facilities, Waste Control Specialists, LLC, Andrews, Texas Facility*, Revision 1. Waste Control Specialists LLC, Rosebud, Texas, September 3, 2009.
- Wilhite 2001, *Comparison of LLW Disposal Performance Objectives, 10 CFR 61 and DOE 435.1*, WSRC-RP-2001-00341. Wilhite, E.L., Westinghouse Savannah River Company, Aiken, South Carolina, 2001.
- WMG 2004a, *West Valley Nuclear Services Company (WVNSCO) Melter Characterization Results*, Report 4005-RE-024, Revision 3. WMG, Inc. Peekskill, New York, May 2004.
- WMG 2004b, *WVDP Package Description Report*, Report 4005-RE-030, Revision 2. WMG, Inc. Peekskill, New York, May 2004.
- WSMS 2008, *Vitrification Melter Waste Classification*, WSMS-WV-08-CAL002, Washington Safety Management Solutions, West Valley New York, March 2008.
- WVES 2010, *Waste Profile Sheet for WVDP Vitrification Melter*, WVDP-000000021, Revision 1 (and associated documentation). West Valley Environmental Services LLC, West Valley, New York, May 24, 2010.
- WVES and URS 2009, *West Valley Demonstration Project Annual Site Environmental Report for Calendar Year 2008*. West Valley Environmental Services LLC and URS – Washington Division, West Valley, New York, September 2009.
- WVNSCO 2001, *Waste Incidental to Reprocessing (WIR) Evaluation for Vitrification Facility Expended Materials*, Revision 1. West Valley Nuclear Services Company, West Valley, New York, October 25, 2001.
- WVNSCO 2004, *Radiation and Contamination Survey Report 127046*, West Valley Nuclear Services Company, West Valley, New York, November 15, 2004.
- WVNSCO 2006, *WVDP Radiological Controls Manual*, WVDP-010, Revision 27. Lachapelle, E.B., West Valley Nuclear Services Company, West Valley, New York and URS Corporation, Buffalo, New York, November 8, 2006.