
REFERENCES AND BIBLIOGRAPHY

(For a bibliographical listing that includes basis documents not specifically cited in the text, see the WVDP Annual Site Environmental Report for 2003.)

American National Standards Institute, Inc. August 20, 1975. *American National Standard: Performance Testing, and Procedural Specifications for Thermoluminescent Dosimetry (Environmental Applications)*. ANSI N545-1975.

American Society of Mechanical Engineers. 1989. *Quality Assurance Program Requirements for Nuclear Facilities*. ASME-NQA-1. New York: The American Society of Mechanical Engineers.

Brookhaven National Laboratory. April 2005. *Nuclear Wallet Cards*. National Nuclear Data Center. Upton, New York.

Citizen Task Force. July 29, 1998. *West Valley Citizen Task Force Final Report*.

Executive Order 11988. May 24, 1977. *Floodplain Management*. 42 FR 26951.

Executive Order 11990. May 25, 1977. *Protection of Wetlands*. 42 FR 26961.

Executive Order 13101. September 16, 1998. *Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition*. 63 FR 49643.

Executive Order 13148. April 26, 2000. *Greening the Government Through Leadership in Environmental Management*. 65 FR 24595.

International Atomic Energy Agency (IAEA). 1992. *Effects of Ionizing Radiation on Plants and Animals at Levels Implied by Current Radiation Protection Standards*. Technical Report Series No. 332, IAEA, Vienna, Austria.

International Commission on Radiological Protection. 1977. *Recommendations of the International Commission on Radiological Protection*. ICRP Publication 26. Oxford: Pergamon Press.

References and Bibliography

- _____. 1979. *Recommendations of the International Commission on Radiological Protection – Limits for Intakes of Radionuclides by Workers*. ICRP Publication 30. Oxford: Pergamon Press.
- _____. 1991. *Recommendations of the International Commission on Radiological Protection*. ICRP Publication 60, Pergamon Press, New York.
- International Organization for Standardization.** 1996. *Environmental Management Systems*. ISO 14001:1996.
- Long, E.R., and L.G. Morgan.** 1990. *The Potential for Biological Effects of Sediment-Sorbed Contaminants Tested in the National States and Trends Program*. National Oceanic Atmospheric Administration (NOAA) Technical Memorandum No. 5, OMA52, NOAA National Ocean Service, Seattle, Washington.
- Mitrey, R.J.** October 28, 1986. Correspondence from New York State Department of Environmental Conservation to J.P. Hamric, Department of Energy, Idaho Operations Office, West Valley Project Office, regarding the construction landfill.
- National Council on Radiation Protection and Measurements.** 1987. *Ionizing Radiation Exposure of the Population of the United States*. NCRP-93. Bethesda, Maryland.
- National Environmental Laboratory Accreditation Conference (NELAC) Standard.** June 2003, effective July 2005.
- National Research Council.** 1990. *Health Effects of Exposure to Low Levels of Ionizing Radiation*. Biological Effects of Ionizing Radiation (BEIR) V. Washington: National Academy Press.
- New York State.** nd. Environmental Conservation Law (ECL). Article 27, *Collection, treatment, and Disposal of Refuse and Other Solid Waste*. Title 9. Industrial Hazardous Waste Management.
- _____. nd. ECL. Article 15. *Water Resources*. Title 5. Protection of Water.
- _____. nd. ECL. Article 17. *Water Pollution Control*. Title 8. *State Pollutant Discharge Elimination System*.
- _____. nd. ECL. Article 40. *Hazardous Substances Bulk Storage Act*.
- _____. nd. Navigation Law. Article 12. *Oil Spill Prevention, Control, and Compensation*.
- _____. nd. Public Health Law. Article 5. Laboratories. Section 502. *Environmental Laboratories, Certifications of Approval*.

New York State Department of Environmental Conservation. nd. Title 6, New York Codes, Rules, and Regulations (6 NYCRR). *Environmental Conservation Rules and Regulations.*

_____. January 24, 1994. *Determination of Soil Cleanup Objectives and Cleanup Levels.* Technical and Administrative Guidance Memorandum (TAGM) #4046.

_____. 1995. *Appendix 33 - Groundwater Monitoring List.* Title 6 NYCRR Subpart 373-2.

_____. September 3, 1996. *Federal Facility Compliance Act: Order on Consent.*

_____. June 1998. *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.* Technical and Operational Guidance Series (TOGS) 1.1.1.

_____. January 25, 1999. *Technical Guidance for Screening Contaminated Sediments.*

_____. March 19, 1999. *Stipulation of Agreement Pursuant to Section 17-0303 of the Environmental Conservation Law and Section 176 of the Navigation Law.*

_____. January 2003. Draft Technical and Operational Guidance Series (TOGS) #5.1.9. *In-Water and Riparian Management of Sediment and Dredge Material.*

_____. February 1, 2004 and modification dates January 1, 2005 and September 1, 2006. *State Pollutant Discharge Elimination System (SPDES) Discharge Permit NY0000973.*

_____. October 21, 2004. Air Facility Registration Certificate in accordance with 6 NYCRR Part 201-4.

New York State Department of Health. nd. *Environmental Laboratory Approval Program (ELAP) Certification Manual.*

_____. nd. Title 10, New York Code, Rules, and Regulations (10 NYCRR). *Sources of Water Supply. Part 5 (Drinking Water Supplies) and Part 170 (Sources of Water Supply).*

Pacific Northwest Laboratory (PNL). November 1988. Napier, B.A., Strenge, D.L., Pelequin, R.A., and Ramsdell, J.V. *GENII - The Hanford Environmental Radiation Dosimetry Software System.* Version 1.485, PNL-6584.

Parks B.L. March 1992. *User's Guide for CAP88-PC.* Version 1.0. Las Vegas, NV: U.S. Environmental Protection Agency Office of Radiation Programs. 402-B-92-001.

_____. June 1997. *CAP88-PC Version 2.0 User's Guide.* Germantown, Maryland. U.S. Department of Energy.

References and Bibliography

- Persaud, D., Jaagumagi, R., and A. Hayton.** 1992. *Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario*. Ontario Ministry of the Environment, Queen's Printer for Ontario.
- Rickard, L.V.** 1975. *Correlation of the Silurian and Devonian Rocks in New York State*. New York State Museum and Science Service Map and Chart Series No. 24.
- Simpson, D.B., and B.L. McGill.** 1980. *LADTAP II: A Computer Program for Calculating Radiation Exposure to Man from Routine Release of Nuclear Reactor Liquid Effluents*. Technical Data Management Center. ORNL/NUREG/TDMC-1.
- Standish, P.N.** 1985. *Closure of the Construction Landfill Site*. Letter (WD:85:0434) to W.H. Hannum, Department of Energy, West Valley Project Office.
- Trinity Engineering Associates, Inc.** March 2006. *CAP88-PC Version 3.0 User Guide*.
- U.S. Congress.** 1918. *Migratory Bird Treaty Act*. 16 United States Code (USC) §703 *et seq.*
- _____. 1954. *Atomic Energy Act of 1954*. 42 USC §2011 *et seq.*
- _____. 1966. *National Historic Preservation Act of 1966*. 16 USC §470 *et seq.*
- _____. 1969. *National Environmental Policy Act of 1969*. 42 USC §4321 *et seq.*
- _____. 1970. *Clean Air Act of 1970*. 42 USC §7401 *et seq.*
- _____. 1973. *Endangered Species Act of 1973*. 16 USC §1531 *et seq.*
- _____. 1974. *Safe Drinking Water Act*. 42 USC §300f *et seq.*
- _____. 1976. *Resource Conservation and Recovery Act of 1976*. Public Law 94-580, 90 Stat. 2795, 42 USC §6901 *et seq.*
- _____. 1976. *Toxic Substances Control Act*. 15 USC §2601 *et seq.*
- _____. 1977. *Federal Water Pollution Control Act of 1977*. 33 USC §1251 *et seq.* (Also known as the Clean Water Act)
- _____. October 1, 1980. *An Act to Authorize the Department of Energy to Carry Out a High-Level Liquid Nuclear Waste Management Demonstration Project at the Western New York Service Center in West Valley, New York*. Public Law 96-368 [S. 2443]. Congressional Record, Vol. 126. (Also known as the WVDP Act)

_____. 1980. *Comprehensive Environmental Response, Compensation, and Liability Act of 1980*. Public Law 96-510, 42 USC §9601 *et seq.*

_____. 1986. *Emergency Planning and Community Right-to-Know Act of 1986*. 42 USC §11001 *et seq.*

_____. October 17, 1986. *Superfund Amendments and Reauthorization Act (SARA) of 1986*. Public Law 99-499, 100 Stat. 1613, Title 10.

_____. 1992. *Federal Facilities Compliance Act of 1992*. Amendment to Section 6001 of the Solid Waste Disposal Act (42 USC 6961).

_____. 1996. *Federal Insecticide, Fungicide, and Rodenticide Act*. 7 USC §136 *et seq.*

U.S. Department of Commerce. U.S. Census Bureau. Census 2000.

U.S. Department of Energy. nd. *Quality Assurance Criteria*. 10 CFR 830.122.

_____. 1981. *West Valley Demonstration Project Memorandum of Understanding Between the U.S. Department of Energy and the U.S. Nuclear Regulatory Commission*.

_____. July 1981. *A Guide for Environmental Radiological Surveillance at U.S. Department of Energy Installations*. DOE/EP-0023. Washington, D.C.

_____. July 1983. *A Guide for Effluent Radiological Measurements at DOE Installations*. DOE/EP-0096. Washington, D.C.

_____. May 15, 1984. Environmental Protection, Safety, and Health Protection Standards. DOE Order 5480.4, including Change 4 (January 7, 1993).

_____. February 8, 1990. *Radiation Protection of the Public and the Environment*. DOE Order 5400.5, including Change 2 (January 7, 1993). Washington, D.C.

_____. January 1991. *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance*. DOE/EH-0173T. Washington, D.C.

_____. January 1996. *Draft Environmental Impact Statement for Completion of the West Valley Demonstration Project and Closure or Long-Term Management of Facilities at the Western New York Nuclear Services Center*. DOE/EIS-0226-D.

_____. May 1997. *Final Waste Management Programmatic Environmental Impact Statement for Managing Treatment, Storage, and Disposal of Radioactive and Hazardous Waste*. DOE/EIS-0200-F.

References and Bibliography

- _____. March 27, 1998. *Worker Protection Management for DOE Federal and Contractor Employees*. DOE Order 440.1A. Washington, D.C.
- _____. July 9, 1999. *Radioactive Waste Management*. DOE Order 435.1, including Change 1 (August 28, 2001). Washington, D.C.
- _____. September 29, 1999. *Quality Assurance*. DOE Order 414.1A, including Change 1 (July 12, 2001). Washington D.C. (DOE Order 414.1A [currently in the WVNSCO contract] was canceled by DOE Order 414.1B on April 29, 2004. DOE Order 414.1B was canceled by DOE Order 414.1C on June 17, 2005.)
- _____. October 1999. *Expediting Cleanup Through a Core Team Approach*. DOE/EH-413-9911.
- _____. February 25, 2000. *Record of Decision for the DOE's Waste Management Program: Treatment and Disposal of Low-Level Waste and Mixed Low-Level Waste; Amendment of the Record of Decision for the Nevada Test Site*. 65 FR 10061.
- _____. October 26, 2000. *National Environmental Policy Act Compliance Program*. DOE Order 451.1B, including Change 1 (September 28, 2001). Washington, D.C.
- _____. March 1, 2001. *Integrated Safety Management System Guide for Use With Safety Management System Policies (DOE P 450.4, DOE P 450.5, and DOE P 450.6); the Functions, Responsibilities, and Authorities Manual; and the DOE Acquisition Manual (DOE G 450.4-1B) (Volumes 1 and 2)*.
- _____. March 26, 2001. *Revised Strategy for the Environmental Impact Statement for Completion of the West Valley Demonstration Project and Closure or Long-Term Management of Facilities at the Western New York Nuclear Service Center and Solicitation of Scoping Comments*. 66 FR 16447.
- _____. May 2, 2001. Department of Energy Management of Cultural Resources. DOE Policy 141.1.
- _____. November 6, 2001. *Advance Notice of Intent to Prepare an Environmental Impact Statement to Evaluate Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project and Western New York Nuclear Service Center*. 66 FR 56090.
- _____. July 2002. DOE Standard: *A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota*. DOE-STD-1153-2002. Washington, D.C.
- _____. September 23, 2002. *Radioactive Material Transportation Practices Manual*. DOE M 460.2-1.

- _____. January 2003. *Estimating Radiation Risk from Total Effective Dose Equivalent (TEDE)*. Interagency Steering Committee on Radiation Standards (ISCORS) Technical Report No. 1. DOE/EH-412/0015/0502, Rev. 1.
- _____. January 15, 2003. *Environmental Protection Program*. DOE Order 450.1, including Changes 1 (January 24, 2005) and 2 (December 7, 2005). Washington, D.C. (Canceled DOE Order 5400.1, *General Environmental Protection Program*, November 9, 1988, including Change 1 [June 29, 1990].)
- _____. March 13, 2003. *Notice of Intent to Prepare an Environmental Impact Statement for Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project and Western New York Nuclear Services Center*. 68 FR 12044.
- _____. May 16, 2003. *Notice of Availability of the West Valley Demonstration Project Draft Waste Management Environmental Impact Statement*. 68 FR 26587.
- _____. August 19, 2003. *Environment, Safety, and Health Reporting*. DOE Order 231.1A, including Change 1 (June 3, 2004). Washington, D.C.
- _____. December 2003. *West Valley Demonstration Project Waste Management Environmental Impact Statement*. DOE/EIS-0337F.
- _____. January 2004. Users Guide: *RESRAD-BIOTA: A Tool for Implementing a Graded Approach to Biota Dose Evaluation*. Version 1. DOE/EH-0676. (ISCORS Technical Report 2004-2).
- _____. March 19, 2004. *Environment, Safety, and Health Reporting Manual*. DOE M 231.1-1A, including Change 1 (September 9, 2004).
- _____. June 16, 2005. *Record of Decision for WVDP Waste Management Activities*. 70 FR 35073.
- _____. February 2006. *Worker Safety and Health Program*. 10 CFR 851.
- _____. September 14, 2006. *Environmental Assessment for the Decontamination, Demolition, and Removal of Certain Facilities at the West Valley Demonstration Project*. DOE/EA-1552. West Valley, New York.
- U.S. Department of Energy and New York State Energy Research and Development Authority.** 1981. *Cooperative Agreement between United States Department of Energy and New York State Energy Research and Development Authority on the Western New York Nuclear Service Center at West Valley, New York*, effective October 1, 1980, as amended September 18, 1981.

References and Bibliography

U.S. Environmental Protection Agency. nd. 40 Code of Federal Regulations, *Protection of the Environment*, Chapter 1, *Environmental Protection Agency*.

_____. March 1983. *Mercury, Method 245.1 (Manual Cold Vapor Technique)*. Methods for Chemical Analysis of Water and Wastes. Environmental Monitoring and Support Laboratory. Cincinnati, Ohio.

_____. 1984a. *Drinking Water Guidelines*. 40 CFR 141, National Secondary Drinking Water Regulations, Subpart B, Maximum Contaminant Levels.

_____. 1984b. *Drinking Water Guidelines*. 40 CFR 143, National Secondary Drinking Water Regulations, Section 143.3, Secondary Maximum Contaminant Levels.

_____. December 15, 1989. *National Emission Standards for Hazardous Air Pollutants: Standards for Radionuclides*. 40 CFR 61, including update of September 9, 2002. Subpart H. National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities. Washington, D.C.: U.S. Government Printing Office.

_____. 1992. *Region II Administrative Order on Consent. Docket No. II RCRA 3008(h) - 92-0202. In the Matter of: Western New York Nuclear Service Center*.

_____. 1995. *Comprehensive Procurement Guidelines for Products Containing Recovered Material*. 40 CFR 247.

_____. October 16, 1996. *Code of Environmental Management Principles*. 61 FR 54062.

_____. August 2002. Method 1631, Revision E: *Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry*. EPA-821-R-02-019.

_____. October 9, 2002. Memorandum of Understanding Between the Environmental Protection Agency and the Nuclear Regulatory Commission. *Consultation and Finality on Decommissioning and Decontamination of Contaminated Sites*.

U.S. Nuclear Regulatory Commission. October 1977. *Regulatory Guide 1.109: Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I*.

_____. July 1997. *Radiological Criteria for License Termination*. 10 CFR Part 20, Appendix E.

_____. February 1, 2002. *Decommissioning Criteria for the West Valley Demonstration Project (M-32) at the West Valley Site; Final Policy Statement*. 67 FR 5003.

_____. September 2006. *Consolidated Decommissioning Guidance: Characterization, Survey, and Determination of Radiological Criteria*. NUREG-1757, Vol. 2.

URS Group, Inc. April 8, 2002. *Land Use Survey*. Rev. 0. AR #2002-171.

West Valley Nuclear Services Co., Inc. May 1, 1995. *Subsurface Probing Investigation on the North Plateau at the West Valley Demonstration Project*. Rev. 0. WVDP-220.

_____. March 1996. *Environmental Information Document, Volume III: Hydrology, Part 4*. WVDP-EIS-009.

_____. June 11, 1999. *1998 Geoprobe® Investigation in the Core Area of the North Plateau Groundwater Plume*. Rev. 0. WVDP-346.

_____. October 26, 1999. *Asbestos Management Plan*. Rev. 5. WVDP-072.

_____. April 15, 2003. *Manual for Radiological Assessment of Environmental Releases at the WVDP*. Rev. 4. WVDP-065.

_____. December 27, 2005. *Environmental Monitoring Program Plan*. Rev. 13. WVDP-098.

_____. April 22, 2004 and November 27, 2006. *WVDP Environmental Management System*. Rev. 16 and Rev. 17. WV-980.

_____. July 1, 2004. *Annual Status Report for the Hazardous Waste Reduction Program*.

_____. December 21, 2004. *Clean Water Act/State Pollutant Discharge Elimination System Best Management Practices and Storm Water Pollution Prevention Plan for the West Valley Demonstration Project*. Rev. 1. WVDP-206.

_____. December 30, 2004. *Waste Minimization/Pollution Prevention Awareness Plan*. Rev. 8. WVDP-087.

_____. February 28, 2005. *New York State Department of Environmental Conservation Hazardous Waste Report for 2004*.

_____. March 30, 2005. *Monitoring Plan for Storm Water Discharges at the West Valley Demonstration Project*. Rev. 2. WVDP-233.

_____. September 19, 2005. *Groundwater Monitoring Plan*. Rev. 9. WVDP-239.

References and Bibliography

- _____. November 3, 2005. *WVDP Groundwater Protection Management Program Plan*. Rev. 7. WVDP-091.
- _____. November 17, 2005. *PCB and PCB-Contaminated Material Management Plan*. Rev. 8. WVDP-080.
- _____. January 2006. *Draft Corrective Measures Study Work Plan for the West Valley Demonstration Project*.
- _____. January 5, 2006 and September 19, 2006. *WVDP Safety Management System (SMS) Description*. Revs. 10, 11, and 12. WVDP-310, including Addendum 1, *WVDP Worker Safety and Health Plan*, Rev. 0, February 9, 2007.
- _____. February 1, 2007. *Site Treatment Plan: Fiscal Year 2006 Update*. Rev. 12. WVDP-299.
- _____. February 26, 2007. *Annual Hazardous Waste Report for 2006*.
- West Valley Nuclear Services Co., Inc. and Dames & Moore.** June 1997. *West Valley Demonstration Project Site Environmental Report, Calendar Year 1996*.
- _____. July 1997. *Resource Conservation and Recovery Act Facility Investigation Report, Vol.1: Introduction and General Site Overview*. WVDP-RFI-017.
- _____. June 1998. *Final Report: Evaluation of the Pilot Program to Investigate Chromium and Nickel Concentrations in Groundwater in the Sand and Gravel Unit*.
- West Valley Nuclear Services Co. and URS Group, Inc.** January 2001. *Results of Corrosion Evaluation in Selected Stainless Steel Monitoring Wells on the North Plateau and Recommendations for Long-Term Management*.
- _____. August 2003. *West Valley Demonstration Project Annual Site Environmental Report, Calendar Year 2002*.
- _____. August 2004. *West Valley Demonstration Project Annual Site Environmental Report, Calendar Year 2003*.