
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/American Society for Quality Control.** 1994. *Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs.* ANSI/ASQC E4-1994.
- 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.

References and Bibliography

- International Commission on Radiological Protection.** 1977. *Recommendations of the International Commission on Radiological Protection*. ICRP Publication 26. Oxford: Pergamon Press.
- _____. 1979. *Recommendations of the International Commission on Radiological Protection – Limits for Intakes of Radionuclides by Workers*. ICRP Publication 30. Oxford: Pergamon Press.
- 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 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 Department of Environmental Conservation.** nd. Title 6, New York Codes, Rules, and Regulations (6 NYCRR). *Environmental Conservation Rules and Regulations*.
- _____. March 29, 1991. *RCRA Quality Assurance Project Plan (QAPjP) Guidance*. NYSDEC Division of Hazardous Substances Regulation.
- _____. 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. *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.
- 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.
- Scarpitta, S., J. Odin-McCabe, R. Gaschott, A. Meier, and E. Klug.** June 1999. *Comparison of Four ⁹⁰Sr Groundwater Analytical Methods.* Health Physics Society. Volume 66, Number 6. pp. 644-656.
- 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.

References and Bibliography

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.

U.S. Congress. 1918. *Migratory Bird Treaty Act*. 16 USC §703 *et seq.*

_____. 1954. *Atomic Energy Act of 1954*. 42 United States Code (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.

_____. 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.

_____. 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.

_____. 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.

_____. 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 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.)

_____. 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 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.

References and Bibliography

- _____. 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)*. International 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 Change 1 (January 24, 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.
- _____. April 29, 2004. *Quality Assurance*. DOE Order 414.1B. Washington, D.C.
- _____. June 16, 2005. *Record of Decision for WVDP Waste Management Activities*. 70 FR 35073.

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.

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. 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.

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.

References and Bibliography

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 2, 2003 and December 27, 2005. *Environmental Monitoring Program Plan*. Rev. 12 and Rev. 13. WVDP-098.

_____. April 22, 2004. *WVDP Environmental Management System*. Rev. 16. WV-980.

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

_____. August 2004. *West Valley Demonstration Project Annual Site Environmental Report, Calendar Year 2003*.

_____. October 27, 2004. *WVDP Safety Management System (SMS) Description*. Rev. 10. WVDP-310.

_____. November 3, 2004 and November 3, 2005. *WVDP Groundwater Protection Management Program Plan*. Rev. 6 and Rev. 7. WVDP-091.

_____. November 3, 2004 and September 19, 2005. *Groundwater Monitoring Plan*. Rev. 8 and Rev. 9. WVDP-239.

_____. 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 28, 2004 and November 17, 2005. *PCB and PCB-Contaminated Material Management Plan*. Rev. 7 and Rev. 8. WVDP-080.

_____. 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.

_____. January 2006. *Draft Corrective Measures Study Work Plan for the West Valley Demonstration Project*.

_____. February 4, 2006. *Site Treatment Plan: Fiscal Year 2005 Update*. Rev. 11. WVDP-299.

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*.

This page intentionally left blank