
6.0 References

Public Laws

Atomic Energy Act of 1954, as amended, Ch. 1073, 68 Stat. 919, 42 USC 2011 et seq.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, Public Law 96-510, 94 Stat. 2767, 42 USC 9601 et seq.

Resource Conservation and Recovery Act of 1976, as amended, Public Law 94-580, 90 Stat. 2795, 42 USC 6901 et seq.

Code of Federal Regulations

40 CFR 141, Code of Federal Regulations, Title 40, Part 141. *National Primary Drinking Water Regulations*.

40 CFR 142, Code of Federal Regulations, Title 40, Part 142. *National Primary Drinking Water Regulations Implementation*.

40 CFR 143, Code of Federal Regulations, Title 40, Part 143. *National Secondary Drinking Water Regulations*.

40 CFR 265, Code of Federal Regulations, Title 40, Part 265, Subpart F. *Interim Status Standards for Owners of Hazardous Waste Treatment, Storage, and Disposal Facilities*.

U.S. Department of Energy Orders

DOE Order 5400.5. *Radiation Protection of the Public and the Environment*, as amended, U.S. Department of Energy, Washington, D.C.

Revised Code of Washington

RCW 70.105, Revised Code of Washington, Title 70, Chapter 105, *Hazardous Waste Management Act*.

Washington Administrative Code

WAC 173-160, Washington Administrative Code. *Minimum Standards for Construction and Maintenance of Wells*. Olympia, Washington.

WAC 173-200, Washington Administrative Code. *Water Quality Standards for Ground Waters of the State of Washington*. Olympia, Washington.

WAC 173-201A-040, Washington Administrative Code. *Water Quality Standards for Surface Waters of the State of Washington*. Olympia, Washington.

WAC 173-216, Washington Administrative Code. *State Waste Discharge Program*. Olympia, Washington.

WAC 173 - 304, Washington Administrative Code. *Minimum Functional Standards for Solid Waste Handling*. Olympia, Washington.

WAC 173-340, Washington Administrative Code. *Model Toxics Control Act – Cleanup*. Olympia, Washington.

WAC 246-290-310, Washington Administrative Code. *Maximum Contaminant Levels (MCLs)*. Olympia, Washington.

ANL - Argonne National Laboratory. 1997. *RESRAD for Windows, Version 5.781*. Argonne National Laboratory, Environmental Assessment Division, Argonne, Illinois.

ARH-ST-156. 1977. *Evaluation of Scintillation Probe Profiles from 200 Area Crib Monitoring Wells*. K. R. Fecht, G. V. Last, and K. R. Price, Atlantic Richfield Hanford Company, Richland, Washington.

- BHI-00061. 1994. *Engineering Evaluation of the GAO-RCED-89-157, Tank 241-T-106 Vadose Zone Investigation*. J. R. Freeman-Pollard, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00127. 1995. *100-H Area Technical Baseline Report*. D. Deford and M. W. Einan, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00345, Rev. 1. 1996. *Pore Water Chromium Concentration at 100-H Reactor Area Adjacent to Fall Chinook Salmon Spawning Habitat of the Hanford Reach, Columbia River*. S. J. Hope and R. E. Peterson, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00442, Rev. 0. 1995. *In Situ Flowmeter Results and Analysis for the 216-BY Cribs Vicinity*. G. L. Kasza, Bechtel Hanford Company, Richland, Washington.
- BHI-00459. 1996. *Numerical Analysis of Carbon Tetrachloride Movement in the Saturated and Unsaturated Zones in the 200 West Area, Hanford Site*. M. G. Piepho, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00469. 1996. *Hanford Sitewide Groundwater Remediation Strategy - Groundwater Contaminant Predictions*. G. R. Chiamonte, C. W. Denslow, A. J. Knepp, R. D. Landon, and S. Panday, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00720, Rev. 3. 1999. *Performance Evaluation Report for Soil Vapor Extraction Operations at the Carbon Tetrachloride Site, February 1992 - September 1998*. V. J. Rohay, Bechtel Hanford, Inc., Richland, Washington.
- BHI-00917. 1996. *Conceptual Site Models for Groundwater Contamination at 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units*. R. E. Peterson, R. F. Raidl, and C. W. Denslow, Bechtel Hanford, Inc., Richland, Washington.
- BHI-01105. 1997. *Rebound Study Report for the Carbon Tetrachloride Soil Vapor Extraction Site, Fiscal Year 1977*. V. J. Rohay, Bechtel Hanford, Inc., Richland, Washington.
- BHI-01131. 1997. *Chromium Plume West of the 100-D/DR Reactors--Data Supplement*. M. P. Connelly, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.
- BHI-01153. 1998. *Aquifer Sampling Tube Completion Report: 100 Area and Hanford Townsite Shorelines*. R. E. Peterson, J. V. Borghese, and D. B. Erb, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.
- BHI-01185, Rev. 0. 1998. *100-D Area Chromium Study Report*. J. A. Lerch, Bechtel Hanford, Inc., Richland, Washington.
- BHI-01271, Rev. 0. 1998. *Data Summary Report for 116-N-1 and 116-N-3 Facility Soil Sampling to Support Remedial Design*. J. D. Ludowise, Bechtel Hanford, Inc., Richland, Washington.
- BHI-01309, Rev 0. 1999. *The Chromium Groundwater Plume West of the 100-D/DR Reactors: Summary and Fiscal Year 1999 Update*. V. J. Rohay, D. C. Weekes, W. J. McMahon, and J. V. Borghese, Bechtel Hanford, Inc., Richland, Washington.
- BHI-01311, Rev. 0. 1999. *Hydrogeologic Conceptual Model for the Carbon Tetrachloride and Uranium/Technetium Plumes in the 200 West Area: 1994 Through 1999 Update*. L. C. Swanson, V. J. Rohay, and J. M. Faurote, Bechtel Hanford, Inc., Richland, Washington.
- BMI/ONWI-660. 1987. *Coupled Fluid, Energy, and Solute Transport (CFEST) Model: Formulation and User's Manual*. S. K. Gupta, C. R. Cole, C. T. Kincaid, and A. M. Monti, Battelle Memorial Institute, Columbus, Ohio.
- BNWL-CC-701. 1966. *Characterization of Subsurface Contamination in the SX Tank Farm*. J. R. Raymond and E. G. Shdo, Battelle Northwest Laboratories, Richland, Washington.
- CVP-98-00006, Rev. 0. 1999. *Cleanup Verification Package for the 116-C-1 Process Effluent Trench*. Bechtel Hanford, Inc., Richland, Washington.

- Dauble, D. D., and D. G. Watson. 1997. "Status of Fall Chinook Salmon Populations in the Mid-Columbia River, 1948-1992." *North American Journal of Fisheries Management*, Vol. 17, No. 2.
- DOE/RL-91-03. 1991. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1990*. Prepared by Geosciences Group, Westinghouse Hanford Company, Environmental Division for U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-91-32, Draft B. 1991. *Expedited Response Action Proposal (EE/CA & EA) for 200 West Area Carbon Tetrachloride Plume, Appendix B*. V. J. Rohay and V. G. Johnson for the U.S. Department of Energy, Richland Field Office, Richland, Washington.
- DOE/RL-91-45, Rev. 3. 1995. *Hanford Site Risk Assessment Methodology*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-92-04. 1993. *PUREX Source Aggregate Area Management Study Report*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-92-05. 1993. *B-Plant Source Aggregate Area Management Study Report*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-92-24, Rev. 3. 1995. *Hanford Site Background: Part 1, Soil Background for Nonradionuclide Analytes*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-92-67, Draft B. 1992. *Final Remedial Investigation Study-Environmental Assessment Report for the 1100-EM-1 Operable Unit, Hanford*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-93-21, Rev. 0. 1994. *Phase 1 Remedial Investigation Report for the 300-FF-5 Operable Unit, Vol. 2*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-93-43, Rev. 0. 1994. *Limited Field Investigation Report for the 100-HR-3 Operable Unit*. Prepared by IT Corporation for Westinghouse Hanford Company, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-93-88. 1994. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1993*. Prepared by Geosciences Group, Westinghouse Hanford Company, Environmental Division for U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-94-95, Rev. 1. 1995. *Hanford Site Groundwater Remediation Strategy*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-02, Rev. 0. 1995. *Treatability Report for the 200-UP-1 Operable Unit - Hanford Site*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-30. 1995. *200-ZP-1 Operable Unit Treatability Test Report*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-54, Draft B. 1995. *Proposed Plan for Interim Remedial Measures at the 100-FR-1 Operable Unit*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-73. 1996. *Operation and Maintenance Plan for the 300-FF-5 Operable Unit*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-83. 1995. *The Pilot-Scale Treatability Test Summary for the 100-HR-3 Operable Unit*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-95-92, Decisional Draft. 1995. *Proposed Plan for Interim Remedial Measures at the 100-FR-2 Operable Unit*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-95-110. 1996. *The N-Springs Expedited Response Action Performance Evaluation Report*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-95-111. 1997. *Corrective Measures Study for the 100-NR-1 and 100-NR-2 Operable Units*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-12, Rev. 0. 1996. *Hanford Site Background: Part 2, Soil Background for Radionuclides*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-16, Rev. 1. 1998. *Screening Assessment and Requirements for a Comprehensive Assessment, Columbia River Comprehensive Impact Assessment, Part II*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-39. 1998. *100-NR-1 Treatment, Storage, and Disposal Units Corrective Measure Study/Closure Plan*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-42. 1996. *Limited Field Investigation Report for the 300-FF-2 Operable Unit*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-102. 1998. *Proposed Plan for Interim Action at the 100-NR-1 Source Sites Operable Unit and the 100-NR-2 Groundwater Operable Unit*. Prepared by Bechtel Hanford, Inc. for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-96-105, Rev. 1. 1997. *Richland Environmental Restoration Project Baseline, Multi-Year Work Plan*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-97-48, Rev. 0. 1997. *183-H Postclosure Plan*. J. W. Baden and R. E. Peterson, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-97-96. 1998. *100-KR-4 and 100-HR-3 Operable Units Interim Action Performance Evaluation Report*. Prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-98-66, Rev. 0. 1999. *Focused Feasibility Study for the K-Basins Interim Remedial Action*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-98-71, Rev. 0. 1999. *Proposed Plan for the K-Basins Interim Remedial Action*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-99-02. 1999. *Fiscal Year 1998 Annual Summary Report for the 200-UP-1, 200-ZP-1, and 100-NR-2 Pump-and-Treat Operations and Operable Units*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-99-11, Rev. 0. 1999. *Prototype Barrier Treatability Test Report*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-99-13. 1999. *Annual Summary Report, February to December 1998, for the 100-HR-3 and 100-KR-4 Pump-and-Treat Operations and Operable Units*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-99-36. 1999. *Phase I RCRA Facility Investigation/Corrective Measures Study Work Plan for Single-Shell Tank Waste Management Areas*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-99-79. 2000. *Fiscal Year 1999 Annual Summary Report for the 200-UP-1, 200-ZP-1, and 100-NR-2 Pump-and-Treat Operations and Operable Units*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL-2000-11, Rev. 1. 2000. *Recommendations for Selection of a Site-Wide Groundwater Flow and Transport Model*. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

- Ecology (see Washington State Department of Ecology)
- EMF-1865, Addendum 15. 1999. *Quarterly Groundwater Monitoring Summary - Fourth Quarter 1998*. Siemens Power Corporation, Richland, Washington.
- EMF-1865, Addendum 18. 1999. *Quarterly Groundwater Monitoring Summary - Third Quarter 1999*. Siemens Power Corporation, Richland, Washington.
- EMSP. 1996. Environmental Management Science Program. Project No. DE-FG07-96ER14733, research grant to Pacific Northwest National Laboratory from the U.S. Department of Energy, Washington, D.C.
- EPA 510-R-93-001. 1993. *Hyper Ventilate Users Manual (v1.01 and v2.0)*, A Software Guidance System Created for Vapor Extraction Applications. P. C. Johnson, Shell Development Westhollow Research Center for Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.
- EPA 822-R-96-001. 1996. *Drinking Water Regulations and Health Advisories*. Office of Water, U.S. Environmental Protection Agency, Washington, D.C.
- Fayer, M. J., G. W. Gee, M. L. Rockhold, M. D. Freshley, and T. B. Walters. 1997. "Estimating Recharge Rates for a Groundwater Model Using a GIS." *J. Environ. Qual.* 25:510-518.
- GAO/RCED-98-80. 1998. *Understanding of Waste Migration at the Hanford Site is Inadequate for Key Decisions*. Report to Congressional Requesters, General Accounting Office, Washington, D.C.
- GAP. 1999a. *Strontium-90 Adjacent to Fall Chinook Salmon Redds at H-Reactor Area of the Hanford Reach of the Columbia River*. N. Buske, Government Accountability Project, Seattle, Washington.
- GAP. 1999b. *Strontium-90 Springs at Hanford's KE-Reactor--Implications Both for Salmon Spawning in the Hanford Reach of the Columbia River and for Site Safety*. NWFA-99-2 (Phase 2). N. Buske, Government Accountability Project, Seattle, Washington.
- GJ-HAN-2. 1995. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-107*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-84. 1997. *Vadose Zone Characterization Project at the Hanford Tank Farms, Tank Summary Data Report for Tank C-106*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-112. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-101*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-113. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-102*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-114. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-103*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-115. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-101*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-116. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-102*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-117. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-103*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.
- GJ-HAN-118. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-104*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-119. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-105*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-120. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-106*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-121. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-108*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-122. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-109*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-123. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-111*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-124. 1998. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank T-112*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-125. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-104*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-126. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-105*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-127. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-106*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-128. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-107*. Prepared

by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-129. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-108*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-130. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-109*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-131. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-110*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-132. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-111*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJ-HAN-133. 1999. *Hanford Tank Farms Vadose Zone, Tank Summary Data Report for Tank B-112*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJO-99-100-TAR, GJO-HAN-26. 1999. *Hanford Tank Farms Vadose Zone, Sixth Recalibration of Spectral Gamma-Ray Logging Systems Used for Baseline Characterization Measurements in the Hanford Tank Farms*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJO-99-101-TAR, GJO-HAN-27. 1999. *Hanford Tank Farms Vadose Zone, T Tank Farm Report*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Office, Grand Junction, Colorado.

GJPO-HAN-1. 1995. *Vadose Zone Characterization Project at the Hanford Tank Farms, Calibration of Two Spectral Gamma-Ray Logging Systems for Baseline Characterization Measurements in the Hanford Tank Farms*. Prepared by Rust Geotech for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.

- Gorelick, S., C. Andrews, and J. Mercer. 1999a. *Peer Review of Proposed Hanford Site-Wide Groundwater Model (1/14/99)*. Letter report to U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Gorelick, S., C. Andrews, and J. Mercer. 1999b. *Summary of Site Visit Meeting, June 22-23, 1999 (7/14/99)*. Letter report to U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Hausenbuiller, R. L. 1972. *Soil Science: Principles and Practices*. Wm. C. Brown Company Publishers, Dubuque, Iowa.
- Hewitt, A. D. 1994. "Dynamic Study of Common Well Screen Materials." *Ground Water Monitoring and Remediation*, 14(1):87-94.
- HNF-4380, Rev. 1. 1999. *Preliminary Site-Specific SST Phase I RFI/CMS Work Plan Addendum for WMA S-SX*. Prepared by Lockheed Martin Hanford Corporation for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- HNF-4936, Rev. 0. 1999. *Subsurface Physical Conditions Description of the S-SX Waste Management Area*. Prepared by V. G. Johnson, T. E. Jones, S. P. Reidel, and M. I. Wood for Lockheed Martin Hanford Corporation, Richland, Washington.
- HNF-5058, Rev. 0. 1999. *Site-Specific SST Phase I RFI/CMS Work Plan Addendum for WMA S-SX*. Prepared by Lockheed Martin Hanford Corporation for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- HNF-SD-SNF-TI-009. 1998. *105-K Basin Material Design Basis Feed Description for Spent Nuclear Fuel Project Facilities, Vol. 1, Spent Nuclear Fuel*. A. N. Praga, Duke Engineering & Services Hanford, Richland, Washington.
- HNF-SD-WM-TI-740. 1997. *Standard Inventories of Chemicals and Radionuclides in Hanford Site Tank Wastes*. M. J. Kupfer, A. L. Boldt, B. A. Higley, K. M. Hodgson, L. W. Shelton, B. C. Simpson, R. A. Watrous, M. D. LeClair, G. L. Borsheim, R. T. Winward, R. M. Orme, N. G. Colton, S. L. Lambert, D. E. Place, and W. W. Schulz. Fluor Daniel Hanford, Inc., Richland, Washington.
- HW-60601. 1959. *Aquifer Characteristics and Groundwater Movement at Hanford*. W. H. Bierschenk, Hanford Atomic Products Operation, Richland, Washington.
- HW-77170. 1963. *Status of the Groundwater Beneath Hanford Reactor Areas: January 1962 to January 1963*. D. J. Brown, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.
- IRIS. 1997. *IRIS: Integrated Risk Information System*. Office of Research and Development, National Center for Environmental Assessment, U.S. Environmental Protection Agency, Washington, D.C. Online manual; available at <http://www.epa.gov/ngispgm3/iris/index.html> (last updated December 30, 1997).
- Jenkins, O. P. 1922. *Underground Water Supply of the Region About White Bluffs and Hanford*. Bulletin No. 26, State of Washington Department of Conservation and Development, Division of Geology, Olympia, Washington.
- MAC-VZCP-1.7.2, Rev. 1. 1997. *Hanford Tank Farms Vadose Zone, Project Management Plan*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.
- MAC-VZCP-1.7.3, Rev. 1. 1997. *Hanford Tank Farms Vadose Zone, Calibration Plan for Spectral Gamma-Ray Logging Systems*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.
- MAC-VZCP-1.7.4, Rev 1. 1997. *Hanford Tank Farms Vadose Zone, Health and Safety Plan*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.

- MAC-VZCP 1.7.9, Rev. 1. 1997. *Hanford Tank Farms Vadose Zone, Data Analysis Manual*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.
- MAC-VZCP-1.7.10-1, Rev. 2. 1997. *Hanford Tank Farms Vadose Zone, High Resolution Passive Spectral Gamma-Ray Logging Procedures*. Prepared by MACTEC-ERS for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.
- NAVD88. 1988. North American Vertical Datum of 1988.
- NGVD29. 1929. National Geodetic Vertical Datum of 1929.
- Oakley, D., and N. E. Korte. 1996. "Nickel and Chromium in Ground Water Samples as Influenced by Well Construction and Sampling Methods." *Ground Water Monitoring and Remediation*, Winter 1996, pp. 93-99.
- OSWER-9950.1. 1986. *Resource Conservation and Recovery Act (RCRA) Groundwater Monitoring Technical Enforcement Guidance Document (TEGD)*. U.S. Environmental Protection Agency, Washington, D.C.
- P-GJPO-1779, Rev. 1. 1996. *Vadose Zone Characterization Project at the Hanford Tank Farms, Quality Assurance Project Plan*. Prepared by Rust Geotech for the U.S. Department of Energy, Grand Junction Projects Office, Grand Junction, Colorado.
- PNL-6313. 1987. *An Evaluation of Aquifer Intercommunication Between the Unconfined and Rattlesnake Ridge Aquifers on the Hanford Site*. E. J. Jensen, Pacific Northwest Laboratory, Richland, Washington.
- PNL-6456. 1988. *Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford. Volume I, Evaluation Method and Results*. R. D. Stenner, K. H. Cramer, K. A. Higley, S. J. Jette, D. A. Lamar, T. J. McLaughlin, D. R. Sherwood, and N. C. VanHouten, Pacific Northwest Laboratory, Richland, Washington.
- PNL-6852. 1989. *RCRA Ground-Water Monitoring Projects for Hanford Facilities: Annual Progress Report for 1988*. R. M. Fruland and R. E. Lundgren (eds.), Pacific Northwest Laboratory, Richland, Washington.
- PNL-7147. 1989. *Final Report: Soil Gas Survey at the Solid Waste Landfill*. J.C. Evans, R. M. Freeland, D. W. Glover, and C. Veverka, Pacific Northwest Laboratory, Richland, Washington.
- PNL-7209. 1990. *Field Lysimeter Test Facility: Second Year (FY 1989) Test Results*. M. D. Campbell, G. W. Gee, M. J. Kanyid, and M. L. Rockhold, Pacific Northwest National Laboratory, Richland, Washington.
- PNL-8391. 1993. *Testing and Monitoring Plan for the Permanent Isolation Surface Barrier Prototype*. G. W. Gee, L. L. Cadwell, H. D. Freeman, M. W. Ligothe, S. O. Link, R. A. Romine, and W. H. Walters, Jr., Pacific Northwest Laboratory, Richland, Washington.
- PNL-8580. 1993. *Water Level Measurements for Modeling Hydraulic Properties in the 300-FF-5 and 100 Aggregate Area Operable Units*. M. D. Campbell, W. J. McMahon, and K. R. Simpson, Pacific Northwest Laboratory, Richland, Washington.
- PNL-8869. 1993. *Preliminary Potentiometric Map and Flow Dynamic Characteristics for the Upper-Basalt Confined Aquifer System*. F. A. Spane, Jr. and R. G. Raymond, Pacific Northwest Laboratory, Richland, Washington.
- PNL-8911. 1993. *Field Lysimeter Test Facility Status Report IV: FY 1993*. G. W. Gee, D. G. Felmy, J. C. Ritter, M. D. Campbell, J. L. Downs, M. J. Fayer, R. R. Kirkham, and S. O. Link, Pacific Northwest National Laboratory, Richland, Washington.
- PNL-10082. 1994. *Hanford Site Ground-Water Monitoring for 1993*. P. E. Dresel, S. P. Luttrell, J. C. Evans, W. D. Webber, P. D. Thorne, M. A. Chamness, B. M. Gillespie, B. E. Opitz, J. T. Rieger, and J. K. Merz, Pacific Northwest Laboratory, Richland, Washington.
- PNL-10817. 1995. *Hydrochemistry and Hydrogeologic Conditions Within the Hanford Upper Basalt Confined*

- Aquifer System*. F. A. Spane, Jr. and W. D. Webber, Pacific Northwest Laboratory, Richland, Washington.
- PNNL-10886. 1995. *Development of a Three-Dimensional Ground-Water Model of the Hanford Site Unconfined Aquifer System: FY 1995 Status Report*. S. K. Wurstner, P. D. Thorne, M. A. Chamness, M. D. Freshley, and M. D. Williams, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11367. 1996. *Hanford Protective Barrier Status Report. FY 1996*. G. W. Gee, A. L. Ward, B. G. Gilmore, S. O. Link, G. W. Dennis, and T. K. O'Neil, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11470. 1997. *Hanford Site Groundwater Monitoring for Fiscal Year 1996*. M. J. Hartman and P. E. Dresel (eds.), Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11472. 1997. *Hanford Site Environmental Report for Calendar Year 1996*. R. L. Dirkes and R. W. Hanf (eds.), Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11573. 1997. *Groundwater Monitoring Plan for the 183-H Solar Evaporation Basins*. M. J. Hartman, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11574. 1997. *Results of RCRA Groundwater Quality Assessment Program at the 216-U-12 Crib*. B. A. Williams and C. J. Chou, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11604. 1997. *Results of RCRA Groundwater Quality Assessment at the 216-B-3 Pond Facility*. D. B. Barnett and S. S. Teel, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11633. 1997. *Origin of Increased Sulfate in Groundwater at the ETF Disposal Site*. E. C. Thornton, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11665. 1997. *Tritium Monitoring in Groundwater and Evaluation of Model Predictions for the Hanford Site 200 Area Effluent Treatment Facility*. D. B. Barnett, M. P. Bergeron, C. R. Cole, M. D. Freshley, and S. K. Wurstner, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11793. 1998. *Hanford Site Groundwater Monitoring for Fiscal Year 1997*. M. J. Hartman and P. E. Dresel, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11801. 1998. *Three-Dimensional Analysis of Future Groundwater Flow Conditions and Contaminant Plume Transport in the Hanford Site Unconfined Aquifer System: FY 1996 and 1997 Status Report*. C. R. Cole, S. K. Wurstner, M. P. Bergeron, M. D. Williams, and P. D. Thorne, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11809. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Areas T and TX-TY at the Hanford Site*. F. N. Hodges, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11810. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Area S-SX at the Hanford Site*. V. G. Johnson and C. J. Chou, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11826. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Areas B-BX-BY at the Hanford Site*. S. M. Narbutovskih, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11885. 1998. *Groundwater Quality Assessment Plan for the 1324-N/NA Site — Phase I (First Determination)*. M. J. Hartman, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-11958, Rev. 2. 1999. *Monitoring Guidance for Vadose Zone Monitoring of Liquid Waste Disposal Facilities for the Hanford Groundwater Project*. D. G. Horton,

S. P. Reidel, and G. V. Last, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-11986. 1998. *Evaluation of Groundwater Monitoring Results at the Hanford Site 200 Area Treated Effluent Disposal Facility*. D. B. Barnett, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12023. 1998. *Groundwater Monitoring for the 100-K Area Fuel-Storage Basins: July 1996 through April 1998*. V. G. Johnson, C. J. Chou, M. J. Hartman, and W. D. Webber, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12067. 1998. *Upper Basalt-Confined Aquifer System in the Southern Hanford Site*. P. Thorne, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12086. 1999. *Hanford Site Groundwater Monitoring for Fiscal Year 1998*. M. J. Hartman (ed.), Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12087. 1999. *Hanford Site Climatological Data Summary 1998 With Historical Data*. D. J. Hoitink, K. W. Burk, and J. V. Ramsdell, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12088. 1999. *Hanford Site 1998 Environmental Report*. R. L. Dirkes, R. W. Hanf, and T. M. Poston (eds.), Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12114. 1999. *RCRA Assessment Plan for Single-Shell Tank Waste Management Area S-SX at the Hanford Site*. V. G. Johnson and C. J. Chou, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12125. 1999. *Borehole Data Package for 1998 Wells Installed at Single-Shell Tank Waste Management Area T*. D. G. Horton and F. N. Hodges, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12153. 1999. *100-D Area In Situ Redox Treatability Test for Chromate-Contaminated Groundwater: FY-1998 Year-End Report*. M. D. Williams, V. R. Vermeul, J. E. Szecsody, J. S. Fruchter, and C. R. Cole. Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12192. May 1999. *Anoxic Plume Attenuation in a Fluctuating Water Table System: Impact of 100-D Area In Situ Redox Manipulation on Downgradient Dissolved Oxygen Concentrations*. M. D. Williams, V. R. Vermeul, M. Oostrom, J. C. Evans, J. S. Fruchter, J. D. Istok, M. D. Humphrey, D. C. Lanigan, J. E. Szecsody, M. D. White, T. W. Wietsma, and C. R. Cole, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12222. 1999. *Monitoring Plan for Fiscal Year 1999 Borehole Logging at 200 East Area Specific Retention Facilities*. D. G. Horton, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-12261. 1999. *Revised Hydrogeology for the Suprabasalt Upper Aquifer System, 200 East Area, Hanford Site, Washington*. B. A. Williams, B. N. Bjornstad, R. Schalla, and W. D. Webber, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-13021. 1999. *Water-Level Monitoring Plan for the Hanford Groundwater Monitoring Project*. J. P. McDonald, M. A. Chamness, and D. R. Newcomer, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-13058. 1999. *Results of Tritium Tracking and Groundwater Monitoring at the Hanford Site 200 Area State-Approved Land Disposal Site--FY 1999*. D. B. Barnett, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-13077. 1999. *Results of 1999 Spectral Gamma-Ray and Neutron Moisture Monitoring of Boreholes at Specific Retention Facilities in the 200 East Area, Hanford Site*. D. G. Horton and R. R. Randall, Pacific Northwest National Laboratory, Richland, Washington.

PNNL-13080. 1999. *Hanford Site Groundwater: Settings, Sources, and Methods*. M. J. Hartman (ed.), Pacific Northwest National Laboratory, Richland, Washington.

PNNL-13107. 2000. *Identification of a Hanford Waste Site for Initial Deployment of the In Situ Gaseous Reduction Approach*. E. C. Thornton, K. J. Cantrell, J. M.

- Faurote, T. J. Gilmore, K. B. Olsen, and R. Schalla, Pacific Northwest National Laboratory, Richland, Washington.
- PNNL-13177. 2000. *Hanford-Derived Strontium-90 Contamination and its Potential for Ecological Impacts*. R. E. Peterson and T. M. Poston. Pacific Northwest National Laboratory, Richland, Washington.
- Poeter, E., and M. Hill. 1998. *Documentation of UCODE, A Computer Code for Universal Inverse Modeling*. U.S. Geological Survey Water Resources Investigation Report 98-4080, Denver, Colorado.
- Poreda, R. J., T. E. Cerling, and D. K. Salomon. 1988. "Tritium and Helium Isotopes as Hydrologic Tracers in a Shallow Unconfined Aquifer." *Journal of Hydrology* 103:1-9.
- Record of Decision (ROD). 1995. *Declaration of the Record of Decision, USDOE Hanford 200 Area, Hanford Site, Benton County, Washington (200-ZP-1)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Record of Decision (ROD). 1996a. *Record of Decision for the 300-FF-1 and 300-FF-5 Operable Units*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Record of Decision (ROD). 1996b. *Declaration of the Record of Decision, USDOE Hanford 100 Area, 100-HR-3 and 100-KR-4 Operable Units, Hanford Site, Benton County, Washington, April 1996*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Record of Decision (ROD). 1997. *Declaration of the Record of Decision, U.S. DOE Hanford 200 Area, Hanford Site, Benton County, Washington (200-UP-1)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Record of Decision (ROD). 1999a. *Record of Decision for the USDOE Hanford 100-KR-2 Operable Unit K Basins Interim Remedial Action*. (EPA 541-R99-059). Agreement between the U.S. Department of Energy and the U.S. Environmental Protection Agency, with concurrence by the Washington State Department of Ecology, Olympia, Washington.
- Record of Decision (ROD). 1999b. *Amended Record of Decision, Decision Summary and Responsiveness Summary for the 100-HR-3 Operable Unit*. U.S. Environmental Protection Agency, Region X, Seattle, Washington.
- RHO-BWI-LD-5. 1978. *Geology of Gable Mountain - Gable Butte Area*. K. R. Fecht, Rockwell Hanford Operations, Richland, Washington.
- RHO-CD-673. 1979. *Handbook 200 Areas Waste Sites. Vols. 1 and 3*. H. L. Maxfield, Rockwell Hanford Operations, Richland, Washington.
- RHO-RE-ST-12P. 1984. *An Assessment of Aquifer Intercommunication in the B Pond-Gable Mountain Pond Area of the Hanford Site*. M. J. Graham, G. V. Last, and K. R. Fecht, Rockwell Hanford Operations, Richland, Washington.
- RHO-ST-14. 1979. *High-Level Waste Leakage from the 241-T-106 Tank at Hanford*. R. C. Routson, D. J. Brown, and K. R. Fecht, Rockwell Hanford Operations, Richland, Washington.
- Rose, A. W., and W. Guo. 1995. "Thermal Convection of Soil Air on Hillsides." *Environ. Geology* 25:258-262.
- Schalla, R., A. K. Lewis, and D. J. Bates. 1991. I. A. Johnson, C. B. Petterson, and J. Fulton (eds.). "Accuracy and Precision of Well Casing Surveys and Water Level Measurements and Their Impact on Water-Level Contour Maps." In *Mapping and Geographic*

Information Systems. ASTM Special Technical Publication 1126, American Society for Testing and Materials, Philadelphia, Pennsylvania. pp. 295-309.

Schlösser, P., M. Stute, H. D. C. Sonntag, and K. O. Munnich. 1988. "Tritium/³He Dating of Shallow Groundwater." *Earth and Planetary Science Letters* pp. 89, 353.

Stiff, H. A., Jr. 1951. "The Interpretation of Chemical Water Analyses by Means of Patterns." *J. Petrol. Tech.* 3:15-17.

Stormont, J. C., M. D. Ankeny, and M. K. Tansey. 1994. "Water Removal from a Dry Barrier Cover System in In-Situ Remediation: Scientific Basis for Current and Future Technologies." G. W. Gee and N. R. Wing (eds.), pp. 325-346. Parts 1-2. *Thirty-Third Hanford Symposium on Health and the Environment*, November 7-11, Pasco, Washington, Battelle Press, Columbus, Ohio.

SW-846. 1986. *Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods*, 3rd ed. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

U.S. Army Corps of Engineers. 1997. *Corpson, Version 5.x, Technical Documentation and Operating Instructions*. Geodetic Applications Division, Topographic Applications Laboratory, U.S. Army Topographic Engineering Center, Alexandria, Virginia.

U.S. Department of Commerce. 1959, as amended 1963. "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure." *National Bureau of Standards Handbook 69*, National Bureau of Standards, Washington, D.C.

Ward, A. L., and G. W. Gee. 1997. "Performance Evaluation of a Field-Scale Surface Barrier." *J. Environ. Qual.* 26:694-705.

Washington State Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy. 1989. *Hanford Federal Facility Agreement and Consent Order Between the U.S. Environmental*

Protection Agency, the U.S. Department of Energy, and the State of Washington Department of Ecology, May 15, 1989, as amended. Olympia, Seattle, and Richland, Washington.

Washington State Department of Ecology. 1995. *State Waste Discharge Permit (216 Permit) for the 200 Area Treated Effluent Disposal Facility (TEDF)*. Permit No. ST 4502, issued in compliance with the provisions of Chapter 90.48 RCW, as amended, and Chapter 173-216 WAC, as amended, Olympia, Washington.

Washington State Department of Ecology. 1999. *Interim Remedial Action Record of Decision for the 100-NR-1 and -NR-2 Operable Units of the Hanford 100-N Area*. Olympia, Washington.

WDOH/320-023. 2000. *Hanford Site Shoreline Vegetation Study 1999*. S. P. Van Verst, Washington State Department of Health, Division of Radiation Protection, Olympia, Washington.

WHC-EP-0133. 1988. *U1/U2 Uranium Plume Characterization, Remedial Action Review and Recommendation for Future Action*. S. M. Baker, J. L. Devary, R. P. Elmore, R. L. Lorang, A. J. Rossi, and M. D. Freshley, Westinghouse Hanford Company, Richland, Washington.

WHC-EP-0142-3. 1989. *Groundwater Maps of the Hanford Site Separations Area, June 1989*. G. L. Kasza, S. P. Reidel, and A. L. Schatz, Westinghouse Hanford Company, Richland, Washington.

WHC-EP-0142-4. 1990. *Ground Water Maps of Hanford Site Separations Area, December 1989*. G. L. Kasza, Westinghouse Hanford Company, Richland, Washington.

WHC-EP-0394-3. 1991. *Ground Water Maps of the Hanford Site, June 1991*. G. L. Kasza, M. J. Hartman, F. N. Hodges, and D. C. Weekes, Westinghouse Hanford Company, Richland, Washington.

WHC-EP-0587. 1992. *Groundwater Impact Assessment Report for the 400 Area Ponds*. D. K. Tyler, Westinghouse Hanford Company, Richland, Washington.

- WHC-EP-0595. 1993. *Westinghouse Hanford Company Operational Groundwater Status Report 1990-1992*. V. G. Johnson, Westinghouse Hanford Company, Richland, Washington.
- WHC-EP-0666. 1993. *Groundwater Impact Assessment Report for the 100-D Ponds*. D. J. Alexander, Westinghouse Hanford Company, Richland, Washington.
- WHC-EP-0674. 1993. *Groundwater Impact Assessment Report for 216-Z-20 Crib, 200 West Area*. V. G. Johnson, Westinghouse Hanford Company, Richland, Washington.
- WHC-EP-0815. 1995. *Groundwater Impact Assessment Report for the 216-T-4-2 Ditch*. D. J. Alexander, S. D. Evelo, V. G. Johnson, and M. D. Sweeney, Westinghouse Hanford Company, Richland, Washington.
- WHC-MR-0227. 1991. *Tank Wastes Discharged Directly to the Soil at the Hanford Site*. J. L. Waite, Westinghouse Hanford Company, Richland, Washington.
- WHC-SA-1674-VA. 1992. *Characterization of a Chromium Plume in Groundwater Along the Columbia River Shoreline, Hanford Site, Washington*. R. E. Peterson and M. P. Connelly, Westinghouse Hanford Company, Richland, Washington. (Presented at 1992 Fall Meeting, American Geophysical Union, San Francisco, December 7-11, 1992.)
- WHC-SD-EN-AP-012. 1989. *40 CFR 265 Interim-Status Ground-Water Monitoring Plan for the Single-Shell Tanks*. E. J. Jensen, S. P. Airhart, M. A. Chamness, T. J. Gilmore, D. R. Newcomer, and K. R. Oster, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-AP-012, Rev. 1. 1991. *Interim-Status Groundwater Monitoring Plan for the Single-Shell Tanks*. J. A. Caggiano and S. M. Goodwin, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-AP-024. 1990. *Interim Status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Retention Facility*. J. S. Schmid, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-AP-038, Rev. 2. 1996. *Groundwater Monitoring Plan for the 1301-N, 1325-N, and 1324-N/NA Sites*. M. J. Hartman, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-AP-174. 1995. *Groundwater Monitoring and Assessment Plan for the 100-K Area Fuel Storage Basins*. V. G. Johnson, C. J. Chou, and J. W. Lindberg, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-AP-191. 1996. *Groundwater Quality Assessment Monitoring Plan for Single Shell Tank Waste Management Area S-SX*. J. A. Caggiano, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-DP-030. 1992. *Unconfined Aquifer Hydrologic Test Data Package for the 200 East Groundwater Aggregate Area Management Study*. D. R. Newcomer, M. A. Chamness, D. L. McAlister, A. W. Pearson, R. J. Brockman, S. S. Teel, and J. P. McDonald. Prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-EV-033. 1996. *100-D Ponds Groundwater Quality Assessment*. M. J. Hartman, Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-TI-019. 1992. *Hydrogeologic Model for the 200 East Groundwater Aggregate Area*. M. P. Connelly, B. H. Ford, J. W. Lindberg, S. J. Trent, C. D. Delaney, and J. V. Borghese, Westinghouse Hanford Company and Pacific Northwest Laboratory, Richland, Washington.
- WHC-SD-EN-TI-101. 1993. *Carbon Tetrachloride Evaporative Losses and Residual Inventory Beneath 200 West Area at the Hanford Site*. Prepared by Ebasco Services for Westinghouse Hanford Company, Richland, Washington.
- WHC-SD-EN-TI-181. 1993. *100-D Technical Baseline Report*. R. W. Carpenter, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-EN-TI-221, Rev. 0. 1994. *Geology of the 100-FR-3 Operable Unit, Hanford Site, South-Central Washington*. R. F. Raidl, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-EN-TI-239. 1994. *100-K Area Technical Baseline Report*. R. W. Carpenter and S. L. Cotè, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-EN-TI-248. 1994. *1994 Conceptual Model of the Carbon Tetrachloride Contamination in the 200 West Area at the Hanford Site*. V. J. Rohay, K. J. Swett, and G. V. Last, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-EN-TI-280, Rev. 0. 1994. *Groundwater Monitoring Results for the 100-K Area Fuel Storage Basins: January 1 to March 31, 1994*. R. E. Peterson, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-EN-TI-280, Rev. 2. 1995. *Groundwater Monitoring Results for the 100-K Area Fuel Storage Basins: January to June, 1995*. V. G. Johnson and S. D. Evelo, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-ENV-AP-002. 1996. *Assessment Groundwater Monitoring Plan for Single-Shell Tank Waste Management Area B-BX-BY*. J. A. Caggiano, Westinghouse Hanford Company, Richland, Washington.

WHC-SD-SNF-TI-013, Rev. 0. 1995. *K-Basins Environmental Impact Statement Technical Input*. K. E. Bergsman, T. B. Bergman, D. W. Bergmann, G. E. Costley, M. T. Jansky, D. S. Leach, R. L. McCormick, M. J. Monthey, A. N. Praga, I. K. Ullah, W. L. Willis, and A. G. Hosler, Westinghouse Hanford Company, Richland, Washington.

WMNW-CM-004. 1998. Section 17.0, "Geophysical Logging" and Section 18.0, "Geophysical Log Data Analysis." In *Operational Environmental Monitoring, Waste Management Federal Services, Inc. Northwest Operations*, Richland, Washington.