

## References



# References

*Note: In this report we refer to a number of documents (e.g., plans, reports) that are intended for internal use. For the most part, these documents function as a means of communication between governmental agencies and the tenant companies on the Oak Ridge Reservation or as the means by which analytical laboratories deliver results. As such, these documents are not readily available to the public and therefore are not cited in the list of references.*

Adams, S. M., et al. 2000. *Oak Ridge Y-12 Plant Biological Monitoring and Abatement Program (BMAP) Plan*. Y/TS-1613-R2. Oak Ridge Y-12 National Security Complex, Oak Ridge, Tennessee.

Alter, Harry. 1986. *A Glossary of Terms in Nuclear Science and Technology*, American Nuclear Society, La Grange Park, Illinois.

ANSI. 1969. *Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities*, ANSI N13.1-1969 R (1969), American National Standards Institute, Washington, D.C.

Beres, D. A. 1990. *The Clean Air Act Assessment Package–1998 (CAP-88): A Dose and Risk Assessment Methodology for Radionuclide Emissions to Air*, SC&A, Inc., McLean, Va.

Birdwell, Kevin R. 1996. *A Climatology of Winds over a Ridge and Valley Terrain within the Great Valley of Eastern Tennessee*. Murray State University, Murray, Kentucky.

BJC. 2000a. *East Tennessee Technology Park Blair Road Wetland Monitoring Report*. BJC/OR-77R1. Bechtel Jacobs Co. LLC, Oak Ridge, Tennessee.

BJC. 2000b. *Water Resources Restoration Program Sampling and Analysis Plan for Fiscal Year 2001 Oak Ridge Reservation, Oak Ridge, Tennessee*. BJC/OR-743. Bechtel Jacobs Company, LLC, Oak Ridge, Tennessee.

BJC 2001a. *Groundwater Quality Assessment Report for Solid Waste Storage Area 6 at Oak Ridge National Laboratory, Oak Ridge, Tennessee, CY 2001*. BJC/OR-895. Bechtel Jacobs Company LLC, Oak Ridge, Tennessee. February 2001.

BJC. 2001b. *Water Resources Restoration Program Sampling and Analysis Plan for Fiscal Year 2002 Oak Ridge Reservation, Oak Ridge, Tennessee*. BJC/OR-960. Bechtel Jacobs Company, LLC, Oak Ridge, Tennessee.

BJC 2002a. *ETTP Storm Water Pollution Prevention Program Baseline Document*. BJC/OR-777. Bechtel Jacobs Company LLC, Oak Ridge, Tennessee.

BJC. 2002b. *Calendar Year 2001, Annual Resource Conservation and Recovery Act Groundwater Monitoring Report for the Chestnut Ridge Hydrogeologic Regime at the U. S. Department of Energy Y-12 National Security Complex, Oak Ridge, Tennessee*. BJC/OR-1041. Bechtel Jacobs Company, LLC, Oak Ridge, Tennessee.

BJC. 2002c. *Calendar Year 2001, Annual Resource Conservation and Recovery Act Groundwater Monitoring Report for the Upper East Fork Poplar Creek Hydrogeologic Regime at the U. S. Department of Energy Y-12 National Security Complex, Oak Ridge, Tennessee*. BJC/OR-1042. Bechtel Jacobs Company, LLC, Oak Ridge, Tennessee.

## Oak Ridge Reservation

---

- BJC. 2002d. *Calendar Year 2001, Annual Resource Conservation and Recovery Act Groundwater Monitoring Report for the Bear Creek Hydrogeologic Regime at the U. S. Department of Energy Y-12 National Security Complex, Oak Ridge, Tennessee*. BJC/OR-1043. Bechtel Jacobs Company, LLC, Oak Ridge, Tennessee.
- Bonine, T. M. 2002. *Operational Monitoring Plan for the High Flux Isotope Reactor Site: Final Design*. Oak Ridge National Laboratory, Oak Ridge, Tennessee. January 2002.
- BWXT Y-12. 2002. *Calendar Year 2001 Groundwater Monitoring Report, U. S. Department of Energy Y-12 National Security Complex, Oak Ridge, Tennessee*. Y/SUB/02-012529/1. BWXT Y-12, LLC, Oak Ridge, Tennessee.
- Chan, P. K., G. P. O'Hara, and A. W. Hayes. 1982. "Principles and Methods for Acute and Subchronic Toxicity." *Principles and Methods of Toxicology*. Raven Press, New York.
- DOE. 1988a. *External Dose-Rate Conversion Factors for Calculation of Dose to the Public*. DOE/EH-0070. U.S. Department of Energy, Washington, D.C.
- DOE. 1988b. *Internal Dose Conversion Factors for Calculation of Dose to the Public*. DOE/EH-0071. U.S. Department of Energy, Washington D.C.
- DOE. 1989. *Radioactive Decay Data Tables: A Handbook of Decay Data for Application to Radioactive Dosimetry and Radiological Assessments*. DOE/TIC-11026 U.S. Department of Energy, Washington, D.C.
- DOE. 1998. *Report on the Remedial Investigation of the Upper East Fork Poplar Creek Characterization Area at the Oak Ridge Y-12 Plant, Oak Ridge, Tennessee, U. S. Department of Energy, Office of Environmental Management, Oak Ridge, Tennessee*. DOE/OR/01-1641/V1-V4&D2. U.S. Department of Energy, Washington, D.C.
- DOE. 1999. *Accelerating Clean-Up: Paths to Closure*. U.S. Department of Energy Oak Ridge Operations Office, Oak Ridge, Tennessee. February 1999.
- DOE. 2000. *Implementation Plan for U.S. Department of Energy Order 435.1, U.S. Department of Energy—Oak Ridge, Tennessee*. DOE/OR/01-1879. U.S. Department of Energy, Washington, D.C. June 2000.
- DOE. 2001a. *Oak Ridge Reservation Annual Site Environmental Report for 2000*. DOE/ORO/2119. Oak Ridge National Laboratory (UT-Battelle LLC), Oak Ridge Y-12 National Security Complex (BWXT Y-12, LLC), and East Tennessee Technology Park (Bechtel Jacobs Company LLC), Oak Ridge, Tenn. September 2001.
- DOE. 2001b. *Final Site-Wide Environmental Impact Statement for the Y-12 National Security Complex*. DOE/EIS-0309. U.S. Department of Energy, Washington, D.C.
- DOE. 2001c. *Oak Ridge Reservation Environmental Impact Assessment for Transportation of Low-Level Radioactive Wastes from the Oak Ridge Reservation to Off-Site Treatment or Disposal Facilities*. DOE/EA-1315. U.S. Department of Energy, Washington, D.C.
- DOE. 2001d. *Cultural Resource Management Plan, DOE Oak Ridge Reservation, Anderson and Roane Counties, Tennessee*. DOE/ORO 2085. U.S. Department of Energy, Washington, D.C.

- DOE. 2002a. *Environmental Monitoring on the Oak Ridge Reservation: 2001 Results*. DOE/ORO/2135. Oak Ridge National Laboratory (UT-Battelle LLC), Oak Ridge Y-12 National Security Complex (BWXT Y-12, LLC), and East Tennessee Technology Park (Bechtel Jacobs Company LLC), Oak Ridge, Tenn. September 2002.
- DOE. 2002b. *2002 Remediation Effectiveness Report for the U. S. Department of Energy, Oak Ridge Reservation, Oak Ridge, Tennessee*. DOE/OR/01-2011&D0. U.S. Department of Energy, Washington, D.C.
- DOE 2002c. *Federal Facility Agreement Annual Progress Report for Fiscal Year 2001, Oak Ridge, Tennessee*. DOE/OR/01-2009&D1. U.S. Department of Energy, Washington, D.C. January 2002.
- DOE. 2002d. *Cleanup Progress: Annual Report to the Oak Ridge Community*. U.S. Department of Energy, Washington, D.C. March 2002.
- DOE. 2002e. *A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota*. DOESTD-1153-2002. U.S. Department of Energy, Washington, D.C.  
<http://tis.eh.doe.gov/techstds/standard/std1153/1153.htm>.
- DOE-EPA. 1995. *Policy on Decommissioning of Department of Energy Facilities Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)*. U.S. Department of Energy, Washington, D.C., and U.S. Environmental Protection Agency, Washington, D.C. May 22, 1995 (<http://www.em.doe.gov/dd/inqbt.html>).
- EPA. 1989. *Risk Assessments Methodology, Environmental Impact Statement, NESHAPs for Radionuclides, Background Information*. Vol. 1. EPA/520/1-89-005. U.S. Environmental Protection Agency, Washington, D.C.
- EPA. 1993. *External Exposure to Radionuclides in Air, Water, and Soil, Federal Guidance Report No. 12*. EPA 402-R-93-081. U.S. Environmental Protection Agency, Washington, D.C.
- EPA. 1995. *Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources*. U.S. Environmental Protection Agency, Research Triangle Park, NC. January 1995.
- EPA. 1997. *Exposure Factors Handbook*, vol. II. Food Ingestion Factors, EPA/600/P-95/002Fb, U.S. Environmental Protection Agency, Office of Research and Development, Washington, D.C.
- ersys. 2000. "Tennessee." <http://www.ersys.com>.
- Farnsworth, R. K., E. S. Thompson, and E. L. Peck. 1982. *Evaporation Atlas for the Contiguous 48 United States*. NOAA Technical Report NWS 33. National Weather Service, Office of Hydrology, Washington, D.C.
- Hamby, D. M. 1991. *LADTAP XL: An Improved Electronic Spreadsheet Version of LADTAP II*. DE93003179. Westinghouse Savannah River Company, Aiken, South Carolina.
- Hatcher, R. D., et al. 1989. *Field Guide and Perspective on the Geology and Hydrology of the Oak Ridge Reservation*. Oak Ridge National Laboratory/University of Tennessee, Oak Ridge, Tenn.

## Oak Ridge Reservation

---

- ISO. 1996. *Environmental Management Systems—Specification with Guidance*. ISO 14001:1996. International Organization for Standardization (<http://www.iso.ch/>).
- Jones, S. B. 1999. *Technical Explanation for the Detected Increase in Nickel in Groundwater Monitoring Well GW-305 at the Industrial Landfill IV, IDL-47-103-0075, Department of Energy Y-12 Plant, Anderson County, TN*. Y/TS-1774. Oak Ridge Y-12 Security Complex, Oak Ridge, Tennessee.
- Kszos et al. 1997. *Biological Monitoring and Abatement Program Plan for the Oak Ridge National Laboratory*. ORNL/TM-13432. Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- LMER. 1996. *Oak Ridge Reservation Annual Site Environmental Report for 1995*. ES/ESH-69. Lockheed Martin Energy Systems, Inc., Oak Ridge, Tennessee.
- LMES. 1995. *Oak Ridge Reservation Annual Site Environmental Report for 1994*. ES/ESH-57. Lockheed Martin Energy Systems, Inc., Oak Ridge, Tennessee.
- LMES. 1997a. *Wetland Survey of Selected Areas in the Oak Ridge Y-12 Plant Area of Responsibility, Oak Ridge, Tenn.* Y/ER-27. Lockheed Martin Energy Systems, Inc., Oak Ridge, Tennessee.
- LMES. 1997b. *Radiological Monitoring Plan for the Oak Ridge Y-12 Plant: Surface Water*. Y/TS-1704. Lockheed Martin Energy Systems, Inc., Oak Ridge, Tennessee.
- LMES. 1998. *Storm Water Pollution Prevention Plan for the Oak Ridge Y-12 Plant*. Y/TS-1180/R3. Lockheed Martin Energy Systems, Inc., Oak Ridge, Tennessee.
- LMES and H&R. 1995. *Radiological Monitoring Plan for the Oak Ridge Y-12 Plant: Surface Water*. Y/SUB/92-TK532C/4. Lockheed Martin Energy Systems, Inc. and H&R Technical Associates, Inc., Oak Ridge, Tennessee.
- Loar, J. M., et al. 1991. *Oak Ridge National Laboratory Biological Monitoring and Abatement Program for White Oak Creek Watershed and the Clinch River*. ORNL/TM-10370. Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- MMES. 1993. *Identification and Characterization of Wetlands in the Bear Creek Watershed*. Y/TS-1016. Martin Marietta Energy Systems, Inc., Oak Ridge, Tennessee.
- MMES. 1994a. *Compliance Plan: National Emission Standards for Hazardous Air Pollutants for Airborne Radionuclides on the Oak Ridge Reservation, Oak Ridge, Tennessee*. ES/ESH-45. Martin Marietta Energy Systems, Inc., Oak Ridge, Tennessee.
- MMES 1994b. *Evaluation of the Ambient Air Monitoring Program at the Oak Ridge Y-12 Plant*. Y/TS-1157/R1. Martin Marietta Energy Systems, Inc. Oak Ridge, Tennessee.
- Moore, G. K. 1988. *Concepts of Groundwater Occurrence and Flow Near Oak Ridge National Laboratory, Tennessee*. ORNL/TM-10969. Martin Marietta Energy Systems, Inc., Oak Ridge, Tennessee.
- Myrick, T. E., et al. 1981. *State Background Radiation Levels: Results of Measurements Taken During 1975–1979*. ORNL/TM-7343. Oak Ridge National Laboratory, Oak Ridge, Tennessee.

- National Park Service. 2002. "Anderson County, Tennessee." *National Register of Historic Places*. <http://www.nationalregisterofhistoricplaces.com/>.
- Nativ, R., A. Halleran, and A. Hunley. 1997. *The Deep Hydrogeologic Flow System Underlying the Oak Ridge Reservation—Assessing the Potential for Active Groundwater Flow and Origin of the Brine*. ORNL/GWPO-18. Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- NCRP. 1987. *Ionizing Radiation Exposure of the Population of the United States*. NCRP Report No. 93. National Council on Radiation Protection and Measurements, Washington, D.C.
- NCRP. 1989. *1989 Exposure of the U.S. Population from Diagnostic Medical Radiation*. NCRP Report No. 100. National Council on Radiation Protection and Measurements, Bethesda, Maryland.
- NOAA. 2001. *Local Climatological Data Annual Survey With Comparative Data, Oak Ridge, Tenn.* National Oceanic and Atmospheric Administration, National Climatic Data Center, Asheville, North Carolina.
- NRC. 1977. *Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR 50*. Regulatory Guide 1.109, Appendix I, Revision 1. NRC Office of Standards Development, U.S. Nuclear Regulatory Commission, Washington, D.C.
- ORO. 1997. *Final Environmental Assessment, Lease of Land and Facilities Within the East Tennessee Technology Park, Oak Ridge, Tennessee*. DOE/EA-1175. U.S. DOE Oak Ridge Operations Office, Oak Ridge, Tennessee.
- Rosensteel, B. 1996. *Wetland Survey of the X-10 Bethel Valley and Groundwater Operable Units at Oak Ridge National Laboratory*, ORNL/ER-350, Oak Ridge National Laboratory, Oak Ridge, Tennessee.
- SNS. 1999a. *Construction and Operation of the Spallation Neutron Source Facility: Final Environmental Impact Statement*. Vol. 1 and 2. DOE/EIS-0247. U.S. Department of Energy Office of Science, Washington, D.C.
- SNS. 1999b. *Construction and Operation of the Spallation Neutron Source Facility: Final Environmental Impact Statement Summary*. DOE/EIS-0247. U.S. Department of Energy Office of Science, Washington, D.C.
- SNS. 2001. *Project Description and Wetland Mitigation Plan, Spallation Neutron Source Bethel Valley Access Road, Anderson County and Roane County*. Spallation Neutron Source, Oak Ridge, Tennessee.
- TDEC. 1993. *Current Fish Advisories—News*. Tennessee Department of Environment and Conservation. Wednesday, Nashville, Tennessee, March 24, 1993.
- TDEC. 2002. *Tennessee Department of Environment and Conservation DOE Oversight Division Environmental Monitoring Report: January through December 2001*. Tennessee Department of Environment and Conservation, Nashville, Tennessee. February 2002. (<http://www.state.tn.us/environment/doeco/EMR2001.pdf>).
- Tsakeres, F. S. 1980. *Radiological Assessment of Residences in the Oak Ridge Area*. ORNL/TM-7392/V1. Oak Ridge National Laboratory, Oak Ridge, Tennessee.

## Oak Ridge Reservation

---

- Tucci, P. 1992. *Hydrology of Melton Valley at Oak Ridge National Laboratory, Tennessee*. U.S. Geological Survey Water Resources Investigation Report 92-4131. Nashville, Tennessee.
- TVA. 1972. *Upper Bear Creek Experimental Project: A Continuous Daily-Streamflow Model*. Research Paper No. 8, Tennessee Valley Authority Division of Water Control Planning, Knoxville, Tennessee.
- U.S. Census. 2000. [www.census.gov](http://www.census.gov).
- USFWS. 1995. *Preliminary Estimates of Waterfowl Harvest and Hunter Activity in the United States*. U.S. Fish and Wildlife Service, Washington, D.C.
- UTCBER. 2000. *Population Projection for Tennessee Counties and Municipalities, 2000–2020*. University of Tennessee Center for Business and Economic Research, Knoxville, Tennessee. (March).
- WSRC. 1994. *Savannah River Site Environmental Report for 1993*. Summary Pamphlet. SSRC-TR-076. Westinghouse Savannah River Company, Aiken, South Carolina.