

REFERENCES

- ANS 1986. Glossary of Terms in Nuclear Science and Technology, American Nuclear Society.
- ANSI 1969. N13.1, Sampling Airborne Radioactive Materials in Nuclear Facilities, Guide for R (1993), American National Standards Institute.
- Baker, D. A., and J. K. Soldat 1993. *Methods for Estimating Doses to Organisms from Radioactive Materials Released into the Aquatic Environment*, PNL-8150, Pacific Northwest Laboratories, Richland, Wash.
- BJC 1998. *East End VOC Plume and Tracer Technical Memorandum*. Prepared by Science Applications International Corporation (SAIC), (BJC/OR-103), Oak Ridge, Tenn.
- BJC 1999. Federal Facility Agreement Annual Report for Fiscal Year 1998, Oak Ridge, Tenn., DOE/OR/01-1792, Bechtel Jacobs Co. LLC, Oak Ridge, Tenn.
- BJC 1999a. Bear Creek Valley Hydrogeologic Regime Quarterly Progress Report for the Fourth Quarter of Fiscal Year 1998, July–September 1998, Post Closure Permit TNHW-087, Environmental Protection Agency Identification Number TN3 89 009 0001.
- 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.
- 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 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 1996. Remedial Investigation/Feasibility Study of the Clinch River/Poplar Creek Operable Unit, Vol. 1, DOE/OR/01-1393/V1 & D3, Environmental Sciences Division and Jacobs Engineering Group, Inc., Department of Energy, Washington, D.C.
- DOE 1997. Removal Action Report on the Molten Salt Reactor Experiment Time-Critical Removal Action at Oak Ridge National Laboratory, Oak Ridge, Tenn., DOE/OR/01-1623&D1, U.S. Department of Energy, Washington, D.C.
- DOE 1998a. Engineering Evaluation/Cost Analysis for the Core Hole 8 Plume Source (Tank W-1A) Removal Action at Oak Ridge National Laboratory, Oak Ridge, Tenn., DOE/OR/02/1714&D2, U.S. Department of Energy, Washington, D.C.
- DOE 1998b. Fiscal Year 1997 Integrated Water Quality Program Annual Report for the U.S. Department of Energy Oak Ridge Reservation, Oak Ridge, Tenn., BJC/OR-32, U.S. Department of Energy, Washington, D.C., prepared by Science Applications International Corp.
- DOE 1998c. Groundwater Quality Assessment Report for Solid Waste Storage Area 6 at Oak Ridge National Laboratory, Oak Ridge, Tenn., ORNL/ER-436, Oak Ridge, Tenn.

- DOE 1998d. *Environmental Monitoring Plan for the Oak Ridge Reservation*, DOE/OR-1066/R3, U.S. Department of Energy, Washington, D.C.
- DOE 1998e. *Integrated Water Quality Program Plan for the Oak Ridge Reservation*, FY 1998, Oak Ridge, Tenn. Prepared by SAIC, (DOE/OR/01-1672), Oak Ridge, Tenn.
- DOE 1998f. Groundwater Quality Assessment Report for Solid Waste Storage Area 6 at Oak Ridge National Laboratory, ORNL/ER-436, Oak Ridge, Tenn.
- DOE 1999. 1999 Remediation Effectiveness Report for the U. S. Department of Energy Oak Ridge Reservation, Oak Ridge, Tenn. Prepared by SAIC, (DOE/OR/01-1790&D1), Oak Ridge, Tenn.
- 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 1991. *Integrated Risk Information System (IRIS)*, U.S. Environmental Protection Agency Washington, D.C.
- EPA 1991a. *Standard Default Factors*, OSWER Director 9285.6-03, Office of Emergency & Remedial Response, 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 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.
- EPA 1999a. *Mercury Update: Impact on Fish Advisories, Fact Sheet*, EPA-823-F-016, U. S. EPA, Office of Water, Washington, D.C.
- EPA 1999b. *Polychlorinated Biphenyls (PCBs) Update.: Impact on Fish Advisories, Fact Sheet*, EPA 823-F-99-019, U. S. EPA, Office of Water, Washington, D.C.
- FDA 1984a. *Polychlorinated Biphenyls (PCBs) in Fish and Shellfish*, Federal Register 49:21514-20, Nov. 19, 1984, U.S. Food and Drug Administration, Washington, D.C.
- FDA 1984b. *Action Level for Methylmercury in Fish*, Federal Register 49:45663, May 22, 1984, U.S. Food and Drug Administration, Washington, D.C.
- 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.
- Hatcher, R. D., et al. 1989. Field Guide and Perspective on the Geology and Hydrology of the Oak Ridge Reservation, Oak Ridge Natl. Lab./Univ. of Tennessee, Oak Ridge, Tenn.

- ICRP 1975. *Task Group on Reference Man*, Publication 23, International Commission on Radiological Protection, Pergamon Press, Oxford.
- ICRP 1977. *Recommendations of the International Commission on Radiological Protection*, Publication 26, International Commission on Radiological Protection, Pergamon Press, Oxford.
- ICRP 1978. *Recommendations of the International Commission on Radiological Protection*, Publication 30, International Commission on Radiological Protection, Pergamon Press, Oxford.
- Kumazawa S., et al. 1984. Occupational Exposure to Ionizing Radiation in the United States: A Comprehensive Review for the Year 1980 and a Summary of Trends for the Years 1960–1985, EPA/520/1-8-005, U.S. Government Printing Office, Washington, D.C.
- LMER 1999. Oak Ridge Reservation Annual Site Environmental Report for 1998, DOE/ORO/2091, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- LMER 1999a. Environmental Monitoring on the Oak Ridge Reservation: 1998 Results, DOE/ORO/2092, Lockheed Martin Energy Research Corp., Oak Ridge, Tenn.
- LMES 1995a. *Radiological Monitoring Plan for the Oak Ridge Y-12 Plant: Surface Water*, Y/SUB/92-TK532C/4, Lockheed Martin Energy Systems, Inc. Prepared by H&R Technical Associates, Inc.
- LMES 1996. *Oak Ridge Reservation Annual Site Environmental Report for 1995*, ES/ESH-69, Oak Ridge National Lab., Oak Ridge, Tenn.
- LMES 1997a. Wetland Survey of Selected Areas in the Oak Ridge Y-12 Plant Area of Responsibility, Oak Ridge, Tenn., Y/ER-279, Lockheed Martin Energy Systems, Inc., Oak Ridge, Tenn.
- LMES 1997e. *Radiological Monitoring Plan for the Oak Ridge Y-12 Plant: Surface Water*, Y/TS-1704, Lockheed Martin Energy Systems, Inc., Oak Ridge, Tenn.
- LMES 1997g. Oak Ridge Reservation Annual Site Environmental Report for 1996, ES/ESH-73, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- LMES 1998. *Oak Ridge Reservation Annual Site Environmental Report for 1997*, ES/ESH-78, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- LMES 1998a. Storm Water Pollution Prevention Plan for the Oak Ridge Y-12 Plant, Y/TS-1180/R3, Lockheed Martin Energy Systems, Inc., Oak Ridge, Tenn.
- LMES 1998b. Evaluation of Calendar Year 1997 Groundwater and Surface Water Quality Data for the Chestnut Ridge Hydrogeologic Regime at the U. S. Department of Energy Y-12 Plant,
 Oak Ridge, Tenn. Prepared by AJA Technical Services, Inc. (Y/SUB/98-MVM64V/2), Oak
 Ridge, Tenn.

- LMES 1999b. Groundwater Protection Program Calendar Year 1998 Groundwater Monitoring Report, U. S. Department of Energy Y-12 Plant, Oak Ridge, Tenn.. Prepared by AJA Technical Services, Inc. (Y/SUB/99-MVM64V/1), Oak Ridge, Tenn.
- MMES 1993. Identification and Characterization of Wetlands in the Bear Creek Watershed, Y/TS-1016, Martin Marietta Energy Systems, Inc., Oak Ridge, Tenn.
- MMES 1994. 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, Tenn.
- Moore, G. K. 1988. Concepts of Groundwater Occurrence and Flow Near Oak Ridge National Laboratory, Tenn., ORNL/TM-11368, Oak Ridge, Tenn.
- Myrick, T. E., et al. 1981. State Background Radiation Levels: Results of Measurements Taken During 1975–1979, ORNL/TM-7343, Oak Ridge, Tenn.
- 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, Md.
- NOAA 1997. Local Climatological Data Annual Survey With Comparative Data, Oak Ridge, Tenn., National Oceanic and Atmospheric Administration, National Climatic Data Center, Asheville, N.C.
- 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.
- Nativ, R., A. Halleron, 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. Oak Ridge National Laboratory. (ORNL/GWPO-18).
- Rosensteel, B. A. 1996. Wetland Survey of the X-10 Bethel Valley and Groundwater Operable Units at Oak Ridge National Laboratory, ORNL/ER-350, Martin Marietta Energy Systems, Inc., Oak Ridge National Laboratory.
- TDEC 1993. Current Fish Advisories—News, Tennessee Department of Environment and Conservation, Wednesday, March 24, 1993.
- TDEC 1999. Environmental Monitoring Report, January through December 1998, Tennessee Department of Environment and Conservation, DOE Oversight Division, Oak Ridge, Tenn.
- TDECD 1996a. Population Estimates of Tennessee Cities and Counties, 1990–1996, Tennessee Department of Economic and Community Development.

- TDECD 1996b. *Population Estimates for Tennessee Counties*, 1990–1996, Tennessee Department of Economic and Community Development.
- Tsakeres, F. S. 1980. *Radiological Assessment of Residences in the Oak Ridge Area*, ORNL/TM-7392/V1, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- Tucci, P. 1992. *Hydrology of Melton Valley at Oak Ridge National Laboratory, Tennessee*, U. S. Geological Survey Water Resources Investigation Report 92-4131, Nashville, Tenn.
- 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, Tenn.
- USFWS 1995. Preliminary Estimates of Waterfowl Harvest and Hunter Activity in the United States, U.S. Fish and Wildlife Service.
- Westinghouse Savannah River Company 1994. *Savannah River Site Environmental Report for 1993*, Summary Pamphlet, SSRC-TR-076, Aiken, S.C.