

# Appendix G: References

---

**Aucott et al. 2017.** Aucott, T.J., A.D. Brand, D.P. DiPrete, T.S. Whiteside. "Improvements to the Hunter Dose Tracking System," SRNL-STI-2017-00091, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**Bell 2020.** Bell, E.S. "Creation of CAP88 and MAXDOSE Meteorological Datasets (2014-2018) for Regulatory Dose Assessment," SRNL-STI-2020-00259, July 2020, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**Carlton et al. 1994.** Carlton, W.H., C.E. Murphy, Jr., and A.G. Evans. "Radiocesium in the Savannah River Site Environment," *Health Physics*, Volume 67, Number 3, Williams & Wilkins, Baltimore, MD

**Cherry 2006.** Cherry, G.S. "Simulation and Particle Tracking Analysis of Ground-Water Flow near the Savannah River Site, Georgia and South Carolina, 2002, and for Selected Ground-Water Management Scenarios, 2002 and 2020," *Scientific Investigations Report*, 2006-5195, U.S. Geological Survey, Reston, VA

**Denham 1995.** Denham, M.E. "SRS Geology/Hydrogeology Environmental Information Document," WSRC-TR-95-0046, Westinghouse Savannah River Company, Savannah River Site, Aiken, SC

**DOE 2006.** U.S. Department of Energy. "Section 3116 Determination for Salt Waste Disposal at the Savannah River Site," DOE-WD-2005-001, January 2006. Savannah River Site, Aiken, SC

**DOE 2011.** U.S. Department of Energy. "DOE Derived Concentration Technical Standard," DOE-STD-1196-2011, Washington, DC

**DOE 2012.** U.S. Department of Energy. "Section 3116 Determination for Closure of F-Tank Farm at the Savannah River Site," DOE-WD-2012-001, March 2012. Savannah River Site, Aiken, SC

**DOE 2013.** U.S. Department of Energy. "Radiation Protection of the Public and the Environment," DOE Order 458.1, Change 3; 2013, Washington, DC

**DOE 2014.** U.S. Department of Energy. "Section 3116 Determination for Closure of H-Tank Farm at the Savannah River Site," DOE-WD-2014-001, December 2014, Savannah River Site, Aiken, SC

**DOE 2015.** U.S. Department of Energy. "Environmental Radiological Effluent Monitoring and Environmental Surveillance," DOE Handbook, DOE-HDBK-1216-2015, Washington, DC

**DOE 2019.** U.S. Department of Energy. "A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota," DOE-STD-1153-2019, Washington, DC

**EPA 1993.** U.S. Environmental Protection Agency. "External Exposure to Radionuclides in Air, Water, and Soil," Federal Guidance Report No. 12, USEPA 402-R-93-081, Sept. 1993, Washington, DC

**EPA 1999.** U.S. Environmental Protection Agency. "Cancer Risk Coefficients for Environmental Exposure to Radionuclides," Federal Guidance Report No.13, USEPA 402-R-99-001, Sept. 1999, Washington, DC

**EPA 2000.** U.S. Environmental Protection Agency. “National Primary Drinking Water Regulations,” Title 40 Code of Federal Regulations, Part 141, December 2000, Washington, DC

**EPA 2002.** U.S. Environmental Protection Agency. “National Emission Standards for Hazardous Air Pollutants,” Title 40 Code of Federal Regulations, Part 61, Subpart H, July 2002, Washington, DC

**EPA 2011.** U.S. Environmental Protection Agency. “Exposure Factor Handbook,” National Center for Environmental Assessment, Office of Research and Development, Sept. 2011, Washington, DC

**EPA 2019.** U.S. Environmental Protection Agency. “External Exposure to Radionuclides in Air, Water and Soil,” Federal Guidance Report No. 15, USEPA402/R19/002 Aug. 2019, Washington, DC

**FFA 1993.** “Federal Facility Agreement for the Savannah River Site,” Administrative Docket Number 89-05-FF, WSRC-OS-94-42, Effective Date: August 16, 1993, Savannah River Site, Aiken, SC

**ICRP 2002.** International Commission on Radiation Protection, “Basic Anatomical and Physiological Data for Use in Radiological Protection Reference Values,” Annals of the ICRP 32, Publication 89, Elmsford, NY

**ICRP 2008.** International Commission on Radiation Protection, “Nuclear Decay Data for Dosimetric Calculation,” Annals of the ICRP 38(3), Publication 107, Elmsford, NY

**Jannik 2017.** Jannik, G.T. “Environmental Dose Assessment Manual,” SRNL-TR-2010-00274, Revision 2, October 25, 2017, Savannah River National Laboratory, Savannah River Site, Aiken SC

**Jannik and Stagich 2017.** Jannik, G.T., B. Stagich. “Land and Water Use Characteristics and Human Health Input Parameters for Use in Environmental Dosimetry and Risk Assessments at the Savannah River Site—2017 Update,” SRNL-STI-2016-00456, Revision 1, May 2017, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**Laird and Jannik 2020.** Laird, M.G., G.T. Jannik. “Updated External Exposure Dose Coefficients,” SRNL-L3200-2020-00014, May 2020, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**Minter et al 2018.** Minter, K.M., G.T. Jannik, B.H. Stagich, K.L. Dixon, and J.R. Newton. “Comparison of the Current Center of the Site Annual NESHAP Dose Modeling at the Savannah River Site with Other Assessment Methods,” Health Physics Society, Health-Physics.com, 408-413

**Morrison et al 2019.** Morrison, C., S. Hitchens, T. Edwards, J. Mayer, and K. Minter. “Determining CS-137 Background Bodyburdens for Wild Pigs at Savannah River Site,” SRNL-TR-2019-00193, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**NCRP 2009.** National Council on Radiation Protection and Measurements, “Ionizing Radiation Exposure of the Population of the United States.” NCRP Report 160, Bethesda, MD check

**NRC 1977.** U.S. Nuclear Regulatory Commission. “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 50, Appendix I,” Revision 1, Washington, DC

**SCDHEC 2014.** South Carolina Department of Health and Environmental Control. "Water Classifications and Standards," South Carolina Code of Regulations, R.61-68, Columbia, SC

**SRNS 2018.** Savannah River Nuclear Solutions, LLC. "Environmental Report for 2017," SRNS-RP-2018-00470, Savannah River Site, Aiken, SC

**SRNS 2020.** Savannah River Nuclear Solutions, LLC. "Groundwater Management Strategy and Implementation Plan (U)," WSRC-RP-2006-4074, Updated October 2020, Savannah River Site, Aiken, SC

**SRNS 2022a.** Savannah River Nuclear Solutions, LLC. "Annual 2021 M-Area and Metallurgical Laboratory Hazardous Waste Management Facilities Groundwater Monitoring and Corrective Action Report (U)," SRNS-RP-2022-05328, Savannah River Site, Aiken, SC

**SRNS 2022b.** Savannah River Nuclear Solutions, LLC. "Annual Corrective Action Report for the F-Area Hazardous Waste Management Facility, the H-Area Hazardous Waste Management Facility, and the Mixed Waste Management Facility (U)," SRNS-RP-2022-00276, Savannah River Site, Aiken, SC

**SRS EDAM 2017.** Savannah River National Laboratory. "Environmental Dose Assessment Manual," SRNL-TR-2010-00274, Revision 2, October 2017, Savannah River National Laboratory, Aiken, SC

**Stagich, Dixon, and LaBone 2022.** Stagich, B.H., K.L. Dixon, and E.D. LaBone. "Radiological Impact of 2021 Operations at the Savannah River Site," SRNL-STI-2022-00323, Rev. 0, July 2022, Savannah River National Laboratory, Savannah River Site, Aiken, SC

**Stone and Jannik 2013.** Stone, D.K. and G.T. Jannik. "Site Specific Reference Person Parameters and Derived Concentration Standards for the Savannah River Site," SRNL-STI-2013-00115, Savannah River National Laboratory, Aiken, SC

**Yu et al. 2001.** C. Yu, A.J. Zielen, J.J. Cheng, D.J. LePoire, E. Gnanapragasam, S. Kamboj, Amish, A. Wallo III, W.A. Williams, and H. Peterson. "User's Manual for RESRAD," Version 6, Environmental Assessment Division, Argonne National Laboratory, Argonne, IL, July 2001