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-2020-0025bell 20209, 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 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

DOE 2022. U.S. Department of Energy. "DOE Derived Concentration Technical Standard," DOE-STD-1196-2022, Washington, DC

DOE 2025. U.S. Department of Energy. "Radiation Protection of the Public and the Environment," DOE Order 458.1, Change 5; 2025, 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 2018a. U.S. Environmental Protection Agency. "Update for Chapter 11 of the Exposure Factors Handbook – Intake of Meats, Dairy Products, and Fats," Washington, DC: U.S. Environmental Protection Agency; EPA/600/R-17/485F

EPA 2018b. U.S. Environmental Protection Agency. "Update for Chapter 12 of the Exposure Factors Handbook – Intake of Grain Products," Washington, DC: U.S. Environmental Protection Agency; EPA/600/R-18/095F; 2018

EPA 2018c. U.S. Environmental Protection Agency. "Update for Chapter 9 of the Exposure Factors Handbook – Intake of Fruits and Vegetables," Washington, DC: U.S. Environmental Protection Agency; EPA/600/R-18/098F

EPA 2019a. U.S. Environmental Protection Agency. "Update for Chapter 3 of the Exposure Factors Handbook – Ingestion of Water and Other Select Liquids," U.S. Environmental Protection Agency; EPA/600/R-18/259F, Washington, DC

EPA 2019b. 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

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

G-2 Savannah River Site

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

SCDES 2023. South Carolina Department of Environmental Services. "Water Classifications and Standards," South Carolina Code of Regulations, R.61-68, Columbia, SC

SRNL 2023. Savannah River National Laboratory. "Environmental Dose Assessment Manual," SRNL-TR-2010-00274, Revision 3, Savannah River National Laboratory, Aiken, 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 2025a. Savannah River Nuclear Solutions, LLC. "Annual 2024 M-Area and Metallurgical Laboratory Hazardous Waste Management Facilities Groundwater Monitoring and Corrective Action Report (U)," SRNS-RP-2024-01594, Savannah River Site, Aiken, SC

SRNS 2025b. 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-2025-00773, 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 2021. Stagich, B.H. "Land and Water Use Characteristics and Human Health Input Parameters for Use in Environmental Dosimetry and Risk Assessments at the Savannah River Site -2021 Update," SRNL-STI-2016-00456, Revision 2, Savannah River National Laboratory, Savannah River Site, Aiken, SC

Stagich and Dixon 2025. Stagich, B.H. and K.L. Dixon. "Radiological Impact of 2024 Operations at the Savannah River Site," SRNL-STI-2025-00311, Revision 0, 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

This Page Intentionally Left Blank

G-4 Savannah River Site