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

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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 2021a. Savannah River Nuclear Solutions, LLC. "Annual 2020 M-Area and Metallurgical Laboratory Hazardous Waste Management Facilities Groundwater Monitoring and Corrective Action Report (U)," SRNS-RP-2021-00825, Savannah River Site, Aiken, SC

SRNS 2021b. 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-2021-00513, 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, Jannik, LaBone, and Dixon 2021. Stagich, B.H., G.T. Jannik, E. LaBone, and K.L. Dixon. "Radiological Impact of 2020 Operations at the Savannah River Site," SRNL-STI-2020-00284, Rev. 0, June 2021, 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