List of Figures

Figure 1-1	Timeline Depicting Key Milestones in SRS History	1-3
Figure 1-2	The Savannah River Site and Surrounding Areas	1-5
Figure 2-1	Integrated Safety Management System Continual Improvement Framework within the ISO 14001 Environmental Management System	2-3
Figure 2-2	Impact of Education Outreach Programs in 2024	2-16
Figure 3-1	SST Closure Plan, from Certification to Postclosure	3-13
Figure 3-2	Soil Sample Locations at Building 716-A	3-17
Figure 3-3	904-44G Spill Release Area	3-20
Figure 3-4	Operations and Maintenance Soil Sample Locations at the 904-44G Spill Release Area	3-21
Figure 3-5	Processing and Dispositioning Radioactive Liquid Waste at SRS	3-22
Figure 4-1	Types and Typical Locations of Nonradiological Sampling	4-3
Figure 4-2	NPDES Industrial Wastewater Outfall Sampling Locations	4-6
Figure 4-3	NPDES Industrial Stormwater Outfall Sampling Locations	4-7
Figure 4-4	Nonradiological Surface Water Sampling Locations	4-10
Figure 4-5	Nonradiological Sediment Sampling Locations	4-12
Figure 4-6	Average Mercury Concentration of Fish Species in the Savannah River, Adjacent to the Savannah River Site	4-14
Figure 5-1	Types and Typical Locations of Radiological Sampling	5-3
Figure 5-2	10-Year History of SRS Annual Tritium Releases to the Air	5-7
Figure 5-3	Percent of Tritium Released to the Air for 2023 and 2024	5-7
Figure 5-4	Air Sampling Locations Surrounding SRS Up to 25 Miles	5-8
Figure 5-5	Radiological Liquid Effluent Sampling Locations	5-14
Figure 5-6	10-Year History of Direct Releases of Tritium to SRS Streams	5-16
Figure 5-7	Radiological Surface Water Sampling Locations	5-17
Figure 5-8	10-Year Trend of Tritium in Pen Branch and Fourmile Branch	5-20
Figure 5-9	10-Year History of Tritium Migration from SRS Seepage Basins and SWDF to SRS Streams	5-21
Figure 5-10	History of SRS Tritium Transport (1960–2024)	5-24

Figure 5-11	Offsite Drinking Water Sampling Locations	5-27
Figure 5-12	Tritium in Offsite Drinking Water and River Mile 141.5	5-27
Figure 5-13	Yearly Average Cesium-137 Concentration in Wildlife, 1965–2024	5-31
Figure 6-1	Exposure Pathways to Humans from Air and Liquid Effluents	. 6-4
Figure 6-2	2014–2018 Wind Rose Plot for H Area	.6-6
Figure 6-3	Savannah River Annual Average Flow Rates Measured by USGS at River Mile 118.8	.6-7
Figure 6-4	Radionuclide Contributions to the 2024 SRS Total Liquid Pathway Dose of 0.32 mrem (0.0032 mSv)	6-11
Figure 6-5	Radionuclide Contributions to the 2024 SRS Air Pathway Dose of 0.016 mrem (0.00016 mSv)	6-13
Figure 6-6	10-Year History of SRS Maximum Potential All-Pathway Doses	6-15
Figure 7-1	Groundwater at SRS	. 7-3
Figure 7-2	How Contamination Gets to Soil and Groundwater	. 7-4
Figure 7-3	Groundwater Plumes at SRS	. 7-6
Figure 7-4	Locations of Tritium Monitoring Wells in Burke and Screven Counties, Georgia	7-12
Figure 7-5	Solvent Removed from A/M Area Groundwater Plume	7-14
Figure 8-1	Interrelationship between QA and QC Activities	. 8-3
Figure 9-1	Key Dates in the Development and Regulation of PFAS in the United States	.9-2

xiv Savannah River Site