

# List of Tables

---

## Chapter 1 Environmental Compliance

Table 1–1	Releases and Offsite Transfers of Toxic Chemicals (in Pounds) by SRS During 1998, 1999, and 2000 Reporting Years (Reported Under EPCRA Section 313) .....	7
Table 1–2	2001 SRS Reporting Compliance with Executive Order 12856 .....	8
Table 1–3	Types/Quantity of NEPA Activities at SRS During 2001 .....	8
Table 1–4	SRS Project NEPA Documentation Activities During 2001 .....	9
Table 1–5	Environmentally Related Unusual Occurrence Reported Through SIRIM in 2001 .....	19
Table 1–6	SRS Construction and Operating Permits, 1997–2001 .....	21
Table 1–7	SRS 2001 Environmental Restoration Activities .....	22

## Chapter 3 Radiological Effluent Monitoring

Table 3–1	Radioactive Atmospheric Releases by Source .....	37
Table 3–2	Radioactive Liquid Releases by Source (Including Direct and Seepage Basin Migration Releases) .....	40

## Chapter 4 Radiological Environmental Surveillance

Table 4–1	Average Gross Alpha and Gross Beta Measured in Air (pCi/m <sup>3</sup> ), 1997–2001 .....	43
Table 4–2	TLD Surveillance Results Summary for 2001 .....	46
Table 4–3	Average 2001 Concentration of Radioactivity in SRS Streams (pCi/L) .....	49
Table 4–4	Average 2001 Concentration of Radioactivity in the Savannah River (pCi/L) .....	55
Table 5–1	2001 Radioactive Liquid Release Source Term and 12-Month Average Downriver Radionuclide Concentrations Compared to EPA's Drinking Water Maximum Contaminant Levels (MCLs) .....	75

## Chapter 5 Potential Radiation Doses

Table 5–2	Potential Dose to the Maximally Exposed Individual from SRS Liquid Releases in 2001 .....	77
Table 5–3	Ten-Year History of SRS Atmospheric Tritium and Tritium Oxide Releases and Average Measured Tritium Oxide Concentrations in Air Compared to Calculated Concentrations in Air .....	79
Table 5–4	Potential Dose to the Maximally Exposed Individual from SRS Atmospheric Releases in 2001 .....	80
Table 5–5	2001 Maximum Potential All-Pathway and Sportsman Doses Compared to the DOE All-Pathway Dose Standard .....	83

Table 5–6	Potential Lifetime Risks from the Consumption of Savannah River Fish Compared to Dose Standards .....	86
<b>Chapter 6 Nonradiological Effluent Monitoring</b>		
Table 6–1	SRS Power Plant Boiler Capacities .....	90
Table 6–2	Boiler Stack Test Results (A-Area) .....	91
Table 6–3	SRS Package Steam Boiler Capacities .....	91
Table 6–4	2000 Criteria Pollutant Air Emissions .....	91
Table 6–5	2001 Exceedances of SCDHEC-Issued NPDES Permit Liquid Discharge Limits at SRS .....	96
<b>Chapter 9 Quality Assurance</b>		
Table 9–1	Subcontract Laboratories for 2001 .....	131
Table 9–2	Subcontract Laboratory Performance in ERA Water Pollution and Water Supply Studies .....	132
Table 9–3	Subcontract Laboratory Performance on ERA Standards .....	134
<b>Appendix A Applicable Guidelines, Standards, and Regulation</b>		
Table A–1	Criteria Air Pollutants .....	142
Table A–2	Airborne Emission Standards for SRS Coal-Fired Boilers .....	142
Table A–3	Airborne Emission Standards for SRS Fuel Oil-Fired Package Boilers ....	143
Table A–4	South Carolina Water Quality Standards for Freshwaters .....	144