

Appendix B: Environmental Surveillance Media and Sampling Frequencies

Appendix Table B-1 SRS Routine Nonradiological Surveillance Sampling Media and Frequencies

Media	Environmental Surveillance	Sampling Frequency		
		Weekly	Monthly	Annually
Surface Water	Water quality (river and stream)	✓	✓	
Sediment	Surveillance for the existence and possible buildup of inorganic contaminants			✓
Fish	Bioaccumulation of nonradiological contaminants in fish			✓

Appendix Table B-2 SRS Routine Radiological Surveillance Sampling Media and Frequencies

Media	Environmental Surveillance	Sampling Frequency				
		Weekly	Bi-Weekly	Monthly	Quarterly	Annually
Air	Airborne particulate matter		✓			
	Tritiated water vapor		✓			
	Tritium in rainwater			✓		
Soil	Radionuclide deposition into soils					✓
Food Products	Radionuclide uptake in the food chain					✓
Vegetation	Radionuclide uptake in plants					✓
Optically Stimulated Luminescence	Ambient gamma radiation monitoring				✓	
Water	Onsite drinking water					✓
	Offsite drinking water			✓		
	Onsite surface water (streams and basins)			✓		✓
	Savannah River	✓				✓
Sediment	Radionuclides in streambeds, the Savannah Riverbed, and Savannah River Site (SRS) basin beds					✓
Fish and Shellfish	Radionuclides in freshwater fish, saltwater fish, and shellfish					✓
Wildlife	Radionuclides in onsite deer, feral hogs, turkey, and coyotes during SRS-sponsored hunts					✓