

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	
		Monthly	Annually
Surface Water	Water quality downstream of National Pollutant Discharge and Elimination System (NPDES) outfalls (stream and river)	✓	
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					✓