

APPENDIX C: ENVIRONMENTAL SURVEILLANCE MEDIA AND SAMPLING FREQUENCIES

Appendix Table C-1 SRS Radiological Surveillance Media and Sampling Frequencies

Media		Sampling Frequency				
		Weekly	Bi-Weekly	Monthly	Quarterly	Annually
Air	Airborne particulate matter		✓			
	Gaseous state of radioiodine		✓			
	Tritiated water vapor		✓			
	Tritium in rainwater			✓		
	Wet and dry deposition			✓		
Soil	Airborne pathway for radioactive deposition into the environment					✓
Food Products (Collard, Meats, Fruit)	Radiological contaminants in the food chain					✓
Vegetation	Monitor for trends in radionuclide mobility and uptake by plants					✓
TLDs	Ambient gamma radiation monitoring				✓	
Water	Onsite drinking water				✓	✓
	Offsite drinking water			✓		
	Onsite surface water (Streams and basins)	✓	✓	✓		✓
	Savannah River	✓				✓
Sediment	Measures the movement, deposition, and accumulation of long-lived radionuclides in streambeds and in the Savannah River bed					✓

Media		Sampling Frequency				
		Weekly	Bi-Weekly	Monthly	Quarterly	Annually
Fish and Shellfish	Bass, catfish, bream, mullet, redfish, sea trout, oysters and crabs					✓
Wildlife	Field and lab monitoring of onsite deer, feral hogs, turkey, and coyotes during Site sponsored controlled hunts					✓

Appendix Table C-2 SRS Nonradiological Media and Sampling Frequencies

Media		Sampling Frequency		
		Monthly	Quarterly	Annually
Surface Water	Water quality downstream of NPDES outfalls (stream and river)	✓		
Sediment	Surveillance for existence and possible buildup of the inorganic contaminants			✓
Fish	Bioaccumulation of nonradiological contaminants in fish			✓
Drinking Water	Safe Drinking Water Act compliance	✓	✓	✓