

APPENDIX G
Number of Samples Collected with Valid Analytical Results versus Planned

Program Description	Sample Matrix	Analysis Method	Sampling Frequency	Number Completed	Number Planned	Percent Complete
Routine						
Air Particulate	Air Filter	ICP-MS, beryllium	Monthly	149	149	100
Air Particulate	Air Filter	Gross α / β	Biweekly	744	756	98
Air Particulate	Air Filter	Gamma spec suite of nine radionuclides	Monthly	36	36	100
Air Particulate	Air Filter	Alpha spec isotopes of Pu	Monthly	228	228	100
Air Particulate	Air Filter	ICP-MS isotopes of uranium	Monthly	144	144	100
Air Tritium	Silica gel	Tritium on silica gel by LCS	Biweekly	536	552	97
Liv Valley Annual Wells	Groundwater	Tritium in groundwater by LSC	Annually	15	15	100
Annual Soils	Soil	Tritium by LSC	Annually	5	5	100
Annual Soils	Soil	Gross α / β	Annually	5	5	100
Annual Soils	Soil	Gamma spectroscopy for a suite of ten radionuclides	Annually	30	30	100
Annual Soils	Soil	Alpha spectroscopy for isotopes or plutonium	Annually	18	18	100
Annual Soils	Soil	Total metals	Annually	12	12	100
B581 STACK data	Air Filter	Gross α / β	Weekly	48	52	92
B581 STACK data	Air Filter	Tritium by LSC	Weekly	48	52	92
B581 STACK data	Air Filter	Gamma spectroscopy for a suite of five radionuclides	Weekly	48	52	92
B581 STACK data	Air Filter	Iodine 131 by gamma spectroscopy	Weekly	48	52	92
TEDA Air Filter	Air Filter	Iodine 131 by gamma spectroscopy	Weekly	46	52	88
Wine	Wine	Tritium by LSC	Annually	12	12	100
Vegetation	Vegetation	Tritium by LSC	Quarterly	72	72	100
Valley Other Waters	Drinking Water	Gross α / β	Semi-annually	4	4	100
Valley Other Waters	Drinking Water	Tritium by LSC	Semi-annually	4	4	100

G. Number of Samples Collected with Valid Analytical Results versus Planned

Program Description	Sample Matrix	Analysis Method	Sampling Frequency	Number Completed	Number Planned	Percent Complete
Valley Other Waters	Groundwater	Gross α / β	Annually	5	6	83
Sewer Non-Rad	Wastewater	Solids by Methods 2540 and 160.4	Monthly	17	17	100
Sewer Non-Rad	Wastewater	Cyanide by Method 335.4	Quarterly	4	4	100
Sewer Non-Rad	Wastewater	Organochlorine pesticides by Method 608	Monthly	13	13	100
Sewer Non-Rad	Wastewater	Volatile organic compounds by Method 624	Monthly	13	13	100
Sewer Non-Rad	Wastewater	Semi-volatile organics by Method 625	Monthly	13	13	100
Sewer Non-Rad	Wastewater	Tritium by LSC	Monthly	1	1	100
Sewer Non-Rad	Wastewater	Gross α / β , tritium and average dose	Weekly plus monthly duplicates	64	64	100
Sewer Non-Rad	Wastewater	Biochemical oxygen demand by SM 5210B	Monthly	16	16	100
Sewer Non-Rad	Wastewater	Metals by Method 200.8	Quarterly	4	4	100
Sewer Rad	Wastewater	Cesium 137 by gamma spectroscopy	Monthly	36	36	100
Sewer Rad	Wastewater	Gross α / β	Monthly	36	36	100
Sewer Rad	Wastewater	Gamma spectroscopy suite of nine radionuclides	Quarterly	4	3	133
Sewer Rad	Wastewater	Plutonium isotopes by alpha spectroscopy	Monthly (quarterly for L-WRDC-SW)	40	39	103
Sewer Rad	Wastewater	Tritium by LSC	Monthly composite of daily	12	12	100
Sewer Rad	Wastewater	Tritium by LSC	Monthly	36	36	100
Sewer Rad	Wastewater	Gross α / β , tritium and average dose		447	452	99
Sewer Rad	Wastewater	Metals	Monthly	30	36	83
Non-Routine						
Pre-construction Soils	Soil	Soil reuse analytical suite	As needed	649	884	73

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Program Description	Sample Matrix	Analysis Method	Sampling Frequency	Number Completed	Number Planned	Percent Complete
Industrial Management Area Storm Water Runoff	Stormwater	NPDES permit analytical suite	Storm dependent	162	162	100
Rain	Rain	Tritium by LSC	Storm dependent	9	16	56

See Chapter 8, Section 8.2.3.2, for more information about completeness.

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