

**APPENDIX F**  
**Number of Samples Collected with Valid Analytical Results**  
**versus Planned**

<b>Program Description</b>	<b>Sample Matrix</b>	<b>Analysis Method</b>	<b>Sampling Frequency</b>	<b>Number Completed</b>	<b>Number Planned</b>	<b>Percent Complete</b>
<b>Routine</b>						
Air Particulate	Air Filter	ICP-MS, beryllium	Monthly	146	148	99
Air Particulate	Air Filter	Gross $\alpha$ / $\beta$	Biweekly	674	763	88
Air Particulate	Air Filter	Gamma spec suite of nine radionuclides	Monthly	36	36	100
Air Particulate	Air Filter	Alpha spec isotopes of Pu	Monthly	227	228	99
Air Particulate	Air Filter	ICP-MS isotopes of uranium	Monthly	140	144	97
Air Tritium	Silica gel	Tritium on silica gel by LCS	Biweekly	507	563	90
Liv Valley Annual Wells	Groundwater	Tritium in groundwater by LSC	Annually	14	18	78
Annual Soils	Soil	Tritium by LSC	Annually	4	5	80
Annual Soils	Soil	Gross $\alpha$ / $\beta$	Annually	4	4	100
Annual Soils	Soil	Gamma spectroscopy for a suite of ten radionuclides	Annually	30	31	97
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 $\alpha$ / $\beta$	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	48	53	90
Wine	Wine	Tritium by LSC	Annually	12	12	100
Vegetation	Vegetation	Tritium by LSC	Quarterly	72	72	100
Valley Other Waters	Drinking Water	Gross $\alpha$ / $\beta$	Semi-annually	5	5	100
Valley Other Waters	Drinking Water	Tritium by LSC	Semi-annually	5	5	100

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Valley Other Waters	Groundwater	Gross $\alpha$ / $\beta$	Annually	3	7	43
Valley Other Waters	Groundwater	Tritium by LSC	Annually	3	7	43
Sewer Non-Rad	Wastewater	Solids by Methods 2540 and 160.4	Monthly (increased to weekly mid-year)	34	41	83
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	2	1	200
Sewer Non-Rad	Wastewater	Gross $\alpha$ / $\beta$ and tritium	Weekly plus monthly duplicates	66	66	100
Sewer Non-Rad	Wastewater	Biochemical oxygen demand by SM 5210B	Monthly (increased to weekly mid-year)	35	42	83
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 $\alpha$ / $\beta$	Monthly	37	37	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

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Sewer Rad	Wastewater	Gross $\alpha$ / $\beta$ and tritium	Monthly gross $\alpha$ / $\beta$ , daily tritium, plus duplicates	481	481	100
Sewer Rad	Wastewater	Metals	Monthly, discontinued after February sampling	6	18	33
TLDs all Sites	Dosimeters	Thermoluminescent dosimetry	Quarterly	66	99	67
<b>Non-Routine</b>						
Pre-construction Soils	Soil	Soil reuse analytical suite	As needed	1187	1702	70
Industrial Management Area Storm Water Runoff	Stormwater	NPDES permit analytical suite	Storm dependent	67	162	41
Rain	Rain	Tritium by LSC	Storm dependent	0	16	0

See Chapter 8, Section 8.2.3.2, for more information about completeness. Data date April 29, 2021.

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