









Table 4
Sampling and Analysis Schedule

Monitor ID	Location	Groundwater Unit Monitored	Parameters Analyzed
Background Quality Monitoring (Annual Sampling Frequency)			
MW007	Northeast of Main Process Building	Terrace / Shale 1	See Note 1
MW070	NE of DUF4 Building Near Property Boundary	Terrace / Shale 1	See Note 1
MW073	East of OG&E Substation Near Property Line	Terrace / Shale 1	See Note 1
MW007A	Northeast of Main Process Building	Shale 3	See Note 1
MW110A	East of Facility	Shale 4	See Note 1
MW007B	Northeast of Main Process Building	Shale 5	See Note 1
Compliance Monitoring (Annual Sampling Frequency)			
MW008 ²	Between MPB and Administration Building	Terrace / Shale 1	U, NO ₃ (N), F, As
MW010 ²	Southwest of Main Process Building	Terrace / Shale 1	U, NO ₃ (N), F, As
MW014 ²	South of Bechtel Building	Terrace / Shale 1	U, NO ₃ (N), F, As
MW019 ²	South of Loading Dock	Terrace / Shale 1	U, NO ₃ (N), F, As
MW025 ²	SX Yard North of SX Building	Terrace / Shale 1	U, NO ₃ (N), F, As
MW035 ²	North of Pond 1 Spoils Pile	Terrace / Shale 1	U, NO ₃ (N), F, As
MW036 ²	West of Sanitary Lagoon on Pond 1 Spoils Pile	Terrace / Shale 1	U, NO ₃ (N), F, As
MW040	North of Basin 1 of Clarifier A	Terrace / Shale 1	U, NO ₃ (N), F, As, Ba
MW042	South of Yellowcake Sump	Terrace / Shale 1	U, NO ₃ (N), F, As
MW045	Northeast Corner of Pond 2	Terrace / Shale 1	U, NO ₃ (N), F, As
MW049	South of Fluoride Sludge Holding Basin 2 (North)	Terrace / Shale 1	U, NO ₃ (N), F, As
MW053 ²	North of Sanitary Lagoon on Emergency Basin Bank	Terrace / Shale 1	U, NO ₃ (N), F, As
MW054 ²	West of Pond 1 Spoils Pile at Base of Slope	Terrace / Shale 1	U, NO ₃ (N), F, As
MW056	Northwest Corner of '86 Incident Sod Storage Area	Terrace / Shale 1	U, NO ₃ (N), F, As
MW062	South of Fluoride Sludge Holding Basin1 (South)	Terrace / Shale 1	U, NO ₃ (N), F, As
MW075 ²	South of Incinerator	Terrace / Shale 1	U, NO ₃ (N), F, As
MW077 ²	NW of DUF4 Building Near Fence	Terrace / Shale 1	U, NO ₃ (N), F, As
MW079 ²	NE of Bechtel Building on UF6 Cylinder Pad	Terrace / Shale 1	U, NO ₃ (N), F, As
MW080 ²	West of DUF4 Building in Concrete Pad	Terrace / Shale 1	U, NO ₃ (N), F, As
MW086 ²	NE Corner of Cooling Tower	Terrace / Shale 1	U, NO ₃ (N), F, As
MW087	Old Contaminated Solid Waste Burial Area	Terrace / Shale 1	U, NO ₃ (N), F, As
MW014A ²	South of Bechtel Building	Shale 2, 3	U, NO ₃ (N), F, As
MW018A ²	Southwest Corner of MPB	Shale 2	U, NO ₃ (N), F, As
MW042A	South of South Yellowcake Sump in Parking Lot	Shale 2	U, NO ₃ (N), F, As

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Monitor ID	Location	Groundwater Unit Monitored	Parameters Analyzed
MW047A	Northwest Corner of Pond 2	Shale 2	U, NO ₃ (N), F, As
MW048	West of Pond 2	Shale 2	U, NO ₃ (N), F, As
MW050A ²	North of Fluoride Basin No. 2	Shale 2, 3	U, NO ₃ (N), F, As
MW052A	West of Fluoride Sludge Holding Basin 2 (North)	Shale 2	U, NO ₃ (N), F, As
MW065A ²	South of Fluoride Clarifier	Shale 2	U, NO ₃ (N), F, As
MW067A ²	North Solid Waste Burial Area No. 2	Shale 2	U, NO ₃ (N), F, As
MW081A	N of DUF4 Building Near Perimeter Fence	Shale 2	U, NO ₃ (N), F, As
MW121A ³	Southwest of Pond 2	Shale 2	U, NO ₃ (N), F, As
2303A	North of Clarifier Basins	Shale 3	U, NO ₃ (N), F, As
2346	Southwest of Pond 6	Shale 3	U, NO ₃ (N), F, As
MW012A ²	Northwest of Main Process Building	Shale 3	U, NO ₃ (N), F, As
MW049A ²	South of Fluoride Holding Basin No. 2	Shale 3	U, NO ₃ (N), F, As
MW057A ²	Southwest of Pond 2	Shale 3	U, NO ₃ (N), F, As
MW084A ²	SW of Misc Digestion on YC Pad	Shale 3	U, NO ₃ (N), F, As
MW086A ²	NE Corner of Cooling Tower	Shale 3	U, NO ₃ (N), F, As
MW089A	Northwest of Fluoride Holding Basin No. 2	Shale 3	U, NO ₃ (N), F, As
MW115A	South of Pond 2	Shale 3	U, NO ₃ (N), F, As
MW122A ³	Northwest of Pond 2	Shale 3	U, NO ₃ (N), F, As
MW123A ³	Southwest of Pond 2	Shale 3	U, NO ₃ (N), F, As
MW124A ³	South of Pond 5	Shale 3	U, NO ₃ (N), F, As
MW127A ³	Southwest of Fluoride Holding Basin No. 2	Shale 3	U, NO ₃ (N), F, As
MW130A ³	West of Pond 5	Shale 3	U, NO ₃ (N), F, As
MW059A	Southwest of Pond 2	Shale 4	U, NO ₃ (N), F, As
MW062A	South of Fluoride Holding Basin No. 1	Shale 4, 2	U, NO ₃ (N), F, As
MW097A	West of Pond 2 at Property Boundary	Shale 4	U, NO ₃ (N), F, As
MW099A	Northwest Corner of Industrial Area in Woods	Shale 4	U, NO ₃ (N), F, As
MW107	800 Feet West of Pond 5	Shale 4	U, NO ₃ (N), F, As
MW108	800 Feet Southwest of Pond 5	Shale 4	U, NO ₃ (N), F, As
MW111A	Northeast Portion of Agland	Shale 4	U, NO ₃ (N), F, As
MW112A	Southwest Portion of Facility on Agland Field	Shale 4	U, NO ₃ (N), F, As
MW125A ³	South of Pond 3 East	Shale 4	U, NO ₃ (N), F, As
MW126A ³	Southwest of Pond 5	Shale 4	U, NO ₃ (N), F, As

Table 4
Sampling and Analysis Schedule

Monitor ID	Location	Groundwater Unit Monitored	Parameters Analyzed
MW129A ³	Southwest of Pond 2 Near Facility West Boundary	Shale 4	U, NO ₃ (N), F, As
MW059B	Southwest of Pond 2	Shale 5	U, NO ₃ (N), F, As
MW090B	Northwest of Pond 5 Near Reservoir Weir	Shale 5	U, NO ₃ (N), F, As
STA04	Southwest of Pond 2 Near Port Road Bridge	Shale 5	U, NO ₃ (N), F, As
MW098B	West of Pond 2 at Property Boundary (old 004 Path)	Shale 5	U, NO ₃ (N), F, As
MW100B	West of Fluoride Sludge Holding Basin 2 in 005 Drainage	Shale 5	U, NO ₃ (N), F, As
MW105B	West of Pond 5	Shale 5	U, NO ₃ (N), F, As
MW128B3	SW portion of the Agland	Shale 5	U, NO ₃ (N), F, As
Corrective Action Monitoring (Quarterly Sampling Frequency)			
			
			 [MPI]
2247	95A Collection Trench	Shale 4	U, N03(N), F, As
MW095A	Southwest of Pond 2 Near Facility West Boundary	Shale 4	U, N03(N), F, As
2248	10 Collection Trench	Terrace/Shale 1	U, N03(N), F, As
MW031	South of Main Process Building	Terrace/Shale 1	U, N03(N), F, As
Seep and Drainage Monitoring (Quarterly Sampling Frequency)			
2241	005 Drainage - 25 feet East of COE Property Boundary Fence	Shale 5	See Note 4
2242	005 Drainage - Pool Near MW100B	Shale 4	See Note 4
2243	007 Drainage at Drainage from North Holding Basin	Shale 4	See Note 4
2244	004 Drainage - 20 feet East of COE Property Boundary Fence	Shale 4	See Note 4
2245	Seep North of Port Road Bridge and East of 001 Drainage	Shale 4	See Note 4, F
2246	001 Drainage N of Port Road Bridge	Shale 4	See Note 4
Surface Water Monitoring (Annual Sampling Frequency)			
2201	Illinois River - 1600 feet Upstream of 001 Confluence		U, N03(N), As, Ra-226
2202	Illinois River - 600 feet Downstream of 001 Confluence		U, N03(N), As, Ra-226
2203	Arkansas River - Upstream Towards Highway 64 Bridge		U, N03(N), As, Ra-226
2204	Arkansas River - Downstream Near I-40 Bridge		U, N03(N), As, Ra-226

Note 1: Analyze for antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, lead, molybdenum, nickel, nitrate (as N), radium-226, selenium, thallium, thorium-230 and uranium

Note 2: Well will be abandoned and plugged as necessary to allow reclamation activities

Note 3: Well installed upon approval of GWMP

Note 4: Analyze for antimony, arsenic, nitrate (as N), lead, thallium and uranium.