

**TABLE 1 Compliance Monitoring Well Ground Water Protection Levels UGW350011**

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NEL532A</b> Class III			Monitoring Well <b>NEL532B</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	8.03	0.18	6.5 - 8.5	7.5	0.17	6.5 - 8.5
Arsenic	0.05	0.199	0.033	0.265 <sup>a</sup>	0.243	0.024	0.292 <sup>a</sup>
Barium	2	0.144	0.084	1.000	1.45	0.12	1.73
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.050
Copper	1.3	nd	n/a	0.650	0.023	0.005	0.650
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	0.002	n/a	0.025
Zinc	5	nd	n/a	2.50	0.021	0.018	2.50
Sulfate	-	715	275	1264	76	17	115
TDS	10,000	7100	444	8834	8382	309	10000 <sup>b</sup>

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NEL536A</b> Class II			Monitoring Well <b>NEL536B</b> Class II		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.6	0.14	6.5 - 8.5	7.9	0.17	6.5 - 8.5
Arsenic	0.05	0.04	0.008	0.056	0.021	0.008	0.027
Barium	2	0.159	0.017	0.500	0.070	0.017	0.500
Cadmium	0.005	nd	n/a	0.0013	nd	n/a	0.0013
Chromium	0.1	nd	n/a	0.025	nd	n/a	0.025
Copper	1.3	nd	n/a	0.325	nd	n/a	0.325
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.002	0.001	0.013	nd	n/a	0.013
Zinc	5	0.027	0.011	1.25	nd	n/a	1.25
Sulfate	-	322	36	402	50	7	64
TDS	3000	2151	449	3000	794	33	993

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NED604A</b> Class II			Monitoring Well <b>NED604B</b> Class II		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.31	0.16	6.5 - 8.5	7.65	0.12	6.5-8.5
Arsenic	0.05	0.084	0.016	0.12 <sup>a</sup>	0.017	0.006	0.029
Barium	2	0.045	0.013	0.500	0.044	0.007	0.500
Cadmium	0.005	nd	n/a	0.0013	nd	n/a	0.0013
Chromium	0.1	nd	n/a	0.025	nd	n/a	0.025
Copper	1.3	nd	n/a	0.325	nd	n/a	0.325
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.003	0.001	0.0125	nd	n/a	0.0125
Zinc	5	0.019	0.014	1.25	0.013	0.01	1.25
Sulfate	-	477	133	750	120	13	150
TDS	3000	2257	522	3000	1271	53	1589

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Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET646A</b> Class IV			Monitoring Well <b>NET646B</b> Class IV		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	6.95	0.18	6.5 - 8.5	7.3	0.13	6.5 - 8.5
Arsenic	0.05	0.078	0.022	0.122 <sup>a</sup>	0.137	0.044	0.225 <sup>a</sup>
Barium	2	0.076	0.017	2.00	0.071	0.01	2.00
Cadmium	0.005	nd	n/a	0.005	nd	n/a	0.005
Chromium	0.1	0.019	0.007	0.100	0.015	0.005	0.100
Copper	1.3	0.084	0.025	1.300	0.093	0.104	1.300
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.009	0.011	0.050	0.005	0.004	0.050
Zinc	5	0.028	0.024	5.00	0.014	0.003	5.00
Sulfate	-	4276	1807	7890	1159	144	1738
TDS	-	72000	20185	none	41920	2878	none

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1380A</b> Class III			Monitoring Well <b>NET1380B</b> Class II		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.68	0.120	6.5 - 8.5	8.22	0.110	6.5 - 8.5
Arsenic	0.05	0.012	0.005	0.025	nd	n/a	0.013
Barium	2	0.138	0.050	1.00	0.056	0.007	0.500
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	0.015	0.006	0.050	nd	n/a	0.025
Copper	1.3	nd	n/a	0.650	nd	n/a	0.325
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.013
Zinc	5	0.013	0.006	2.50	nd	n/a	1.25
Sulfate	-	1140	128	1709	7	1.50	15
TDS	3000	6574	458	8218	1226	55	1532

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1381A</b> Class III			Monitoring Well <b>NET1381B</b> Class IV		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.84	0.14	6.5 - 8.5	7.5	0.16	6.5 - 8.5
Arsenic	0.05	0.047	0.012	0.071	0.131	0.021	0.175 <sup>a</sup>
Barium	2	0.085	0.011	1.00	0.072	0.012	1.00
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.050
Copper	1.3	nd	n/a	0.650	nd	n/a	0.650
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.025
Zinc	5	nd	n/a	2.50	nd	n/a	2.50
Sulfate	-	558	28	837	851	81	1277
TDS	10000	7117	792	10000	12950	979	none

**TABLE 1 Compliance Monitoring Well Ground Water Protection Levels UGW350011**

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NEL1382A</b> Class III			Monitoring Well <b>NEL1382B</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.92	0.21	6.5 - 8.5	8.27	0.170	6.5 - 8.5
Arsenic	0.05	0.199	0.044	0.287 <sup>a</sup>	0.322	0.044	0.41 <sup>a</sup>
Barium	2	0.090	0.030	1.000	0.063	0.007	1.000
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.050
Copper	1.3	nd	n/a	0.650	nd	n/a	0.650
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.025
Zinc	5	nd	n/a	2.50	nd	n/a	2.50
Sulfate	-	188	62	305	70	8	105
TDS	10000	4839	803	6450	1851	136	2314

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NEL1382C</b> Class II			Monitoring Well <b>NEM1387</b> Class II		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	8.51	0.180	6.5 - 8.5	7.37	0.120	6.5 - 8.5
Arsenic	0.05	0.459	0.058	0.575 <sup>a</sup>	0.025	0.008	0.041
Barium	2	0.048	0.018	1.00	0.042	0.007	1.00
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.025
Copper	1.3	nd	n/a	0.650	nd	n/a	0.325
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.013
Zinc	5	0.010	0	2.50	nd	n/a	1.25
Sulfate	-	64	7	96	319	32	400
TDS	3000	1354	193	2000	1486	94	1858

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1383A</b> Class III			Monitoring Well <b>NET1383B</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.88	0.13	6.5 - 8.5	7.94	0.13	6.5 - 8.5
Arsenic	0.05	0.220	0.029	0.278 <sup>a</sup>	0.22	0.037	0.294 <sup>a</sup>
Barium	2	0.053	0.011	1.00	0.057	0.01	1.00
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.050
Copper	1.3	0.03	0.01	0.650	nd	n/a	0.650
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.025
Zinc	5	nd	n/a	2.50	nd	n/a	2.50
Sulfate	-	218	29	327	186	14	279
TDS	10000	7067	162	8834	6558	207	8192

**TABLE 1 Compliance Monitoring Well Ground Water Protection Levels UGW350011**

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1384A</b> Class IV			Monitoring Well <b>NET1384B</b> Class IV		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	6.95	0.21	6.5 - 8.5	7.47	0.16	6.5 - 8.5
Arsenic	0.05	0.063	0.025	0.113 <sup>a</sup>	0.242	0.044	0.329 <sup>a</sup>
Barium	2	0.043	0.02	2	0.026	0.007	2.00
Cadmium	0.005	nd	n/a	0.005	nd	n/a	0.005
Chromium	0.1	0.018	0.004	0.050	0.016	0.005	0.100
Copper	1.3	0.146	0.244	1.3	0.1	0.055	1.3
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.05	nd	n/a	0.05
Zinc	5	0.024	0.021	5.0	0.017	0.012	5.00
Sulfate	-	2850	709	5000	2110	132	3164
TDS	-	74843	9637	none	24000	914	none

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1385A</b> Class III			Monitoring Well <b>NET1385B</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.95	0.12	6.5 - 8.5	7.78	0.15	6.5 - 8.5
Arsenic	0.05	0.106	0.012	0.13 <sup>a</sup>	0.165	0.006	0.199 <sup>a</sup>
Barium	2	0.048	0.01	1.00	0.061	0.014	1.00
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050	nd	n/a	0.050
Copper	1.3	0.028	0.01	0.65	0.026	0.007	0.65
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	nd	n/a	0.025	nd	n/a	0.025
Zinc	5	nd	n/a	2.5	nd	n/a	2.5
Sulfate	-	141	12	212	166	15	249
TDS	10000	4400	341	6600	5839	202	7300

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1386A</b> Class IV			Monitoring Well <b>NET1386B</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.68	0.140	6.5 - 8.5	7.59	0.150	6.5 - 8.5
Arsenic	0.05	0.012	0.009	0.030	0.057	0.007	0.077 <sup>a</sup>
Barium	2	1.330	0.140	2	0.214	0.032	1.00
Cadmium	0.005	nd	n/a	0.003	nd	n/a	0.003
Chromium	0.1	0.016	0.005	0.050	nd	n/a	0.050
Copper	1.3	0.040	0.015	0.650	nd	n/a	0.650
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.004	0.003	0.025	nd	n/a	0.025
Zinc	5	0.016	0.006	2.50	nd	n/a	2.5
Sulfate	-	30	18	150	48	10	72
TDS	10000	10075	529	none	8396	426	10000 <sup>b</sup>

**TABLE 1 Compliance Monitoring Well Ground Water Protection Levels UGW350011**

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1393A</b> Class IV			Monitoring Well <b>NET1393B</b> Class IV		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.65	0.17	6.5 - 8.5	7.55	0.17	6.5 - 8.5
Arsenic	0.05	0.041	0.015	0.071	0.062	0.014	0.096 <sup>a</sup>
Barium	2	2.21	0.273	3.00	0.194	0.035	2.00 <sup>b</sup>
Cadmium	0.005	nd	n/a	0.005	nd	n/a	0.005
Chromium	0.1	nd	n/a	0.100	nd	n/a	0.100
Copper	1.3	nd	n/a	1.300	nd	n/a	1.300
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.024	0.013	0.05	nd	n/a	0.050
Zinc	5	nd	n/a	5.00	nd	n/a	5.00
Sulfate	-	52	18	150	97	19	150
TDS	-	12123	363	none	10963	352	none

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1490</b> Class II			Monitoring Well <b>NET1491</b> Class II		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)	Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev		mean	stdev	
pH (units)	6.5-8.5	7.17	0.018	6.5 - 8.5	7.17	0.09	6.5 - 8.5
Arsenic	0.05	0.005	0.001	0.013	0.006	0.001	0.013
Barium	2	0.05	0.007	0.500	0.023	0.003	0.500
Cadmium	0.005	nd	n/a	0.005	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.025	nd	n/a	0.025
Copper	1.3	nd	n/a	0.325	nd	n/a	0.325
Lead	0.015	nd	n/a	0.008	nd	n/a	0.008
Se (hydride)	0.05	0.006	0.002	0.013	0.007	0.002	0.013
Zinc	5	0.015	0.015	1.25	nd	n/a	1.25
Sulfate	-	266	48	361	492	158	808
TDS	3000	1684	111	2105	2501	519	3020

Parameter	Utah Ground Water Quality Standard (mg/L)	Monitoring Well <b>NET1492</b> Class III		
		Background Level (mg/L)		Groundwater Protection Level (mg/L)
		mean	stdev	
pH (units)	6.5-8.5	7.14	0.11	6.5 - 8.5
Arsenic	0.05	0.006	0.002	0.025
Barium	2	0.022	0.004	0.500
Cadmium	0.005	nd	n/a	0.003
Chromium	0.1	nd	n/a	0.050
Copper	1.3	nd	n/a	0.65
Lead	0.015	nd	n/a	0.008
Se (hydride)	0.05	0.006	0.002	0.025
Zinc	5	nd	n/a	2.5
Sulfate	-	515	215	945
TDS	3000	2705	342	3838

**TABLE 1 Compliance Monitoring Well Ground Water Protection Levels UGW350011**

nd = non-detect            n/a = not applicable
Groundwater Protection Levels established in accordance with R317-6-4.
<b>a</b> - Background value exceeds ground water standard; Groundwater Protection Level = background (no net increase approach)
<b>b</b> - 1.X times background exceeds ground water quality standard; Grounwater Protection Level = ground water quality standard

Sulfate in NET1386 & NET1393 raised to reflect Class IV groundwater