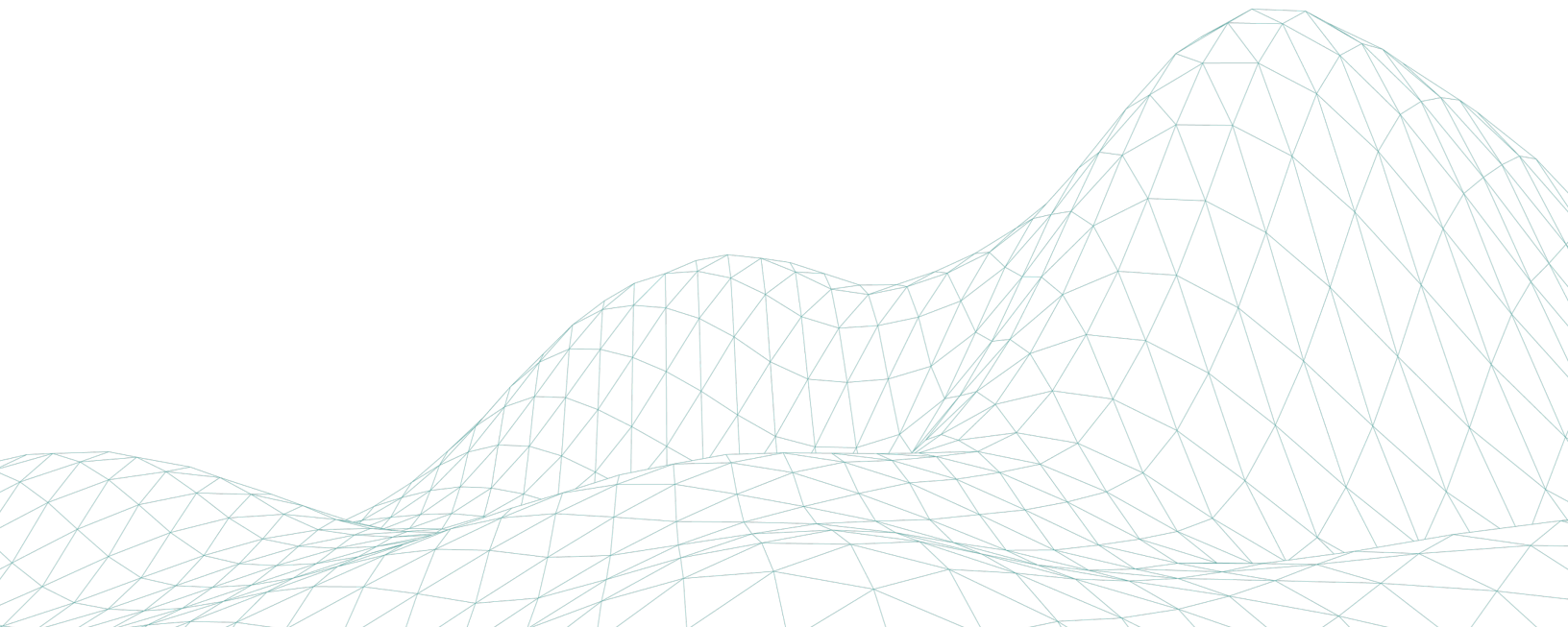




April 2026

Appendix B:

Water Quality Data



Raw & Clarified Turbidity Data by Month and Year

	Turbidity (NTU)					
	Raw Water			Clarified		
	Average	Minimum	Maximum	Average	Minimum	Maximum
2023						
May	7.07	6.69	20.21	0.94	0.82	3.63
Jun	1.64	1.47	31.59	0.57	0.51	3.53
Jul	1.40	1.25	8.92	0.55	0.48	5.41
Aug	1.22	1.09	3.84	0.46	0.43	2.68
Sep	1.51	1.20	5.05	0.45	0.41	5.00
Oct	1.72	1.32	9.60	0.39	0.35	8.46
Nov	2.82	2.09	11.42	0.47	0.44	1.47
Dec	3.19	2.58	11.71	0.53	0.50	1.06
2024						
Jan	1.48	1.32	3.79	0.56	0.52	11.18
Feb	0.94	0.81	2.27	0.56	0.53	5.41
Mar	0.90	0.77	2.01	0.47	0.44	1.25
Apr	0.65	0.61	4.55	0.30	0.28	1.35
May	1.20	1.12	2.06	0.40	0.35	1.07
Jun	1.91	1.64	7.84	0.37	0.34	4.50
Jul	1.88	1.78	18.45	0.41	0.36	1.64
Aug	1.51	1.43	4.46	0.37	0.33	4.29
Sep	1.16	1.11	2.48	0.32	0.30	0.82
Oct	1.31	1.20	7.44	0.34	0.32	1.82
Nov	1.35	1.30	3.35	0.32	0.30	0.80
Dec	1.46	1.40	6.52	0.37	0.34	1.40
2025						
Jan	1.58	1.51	2.77	0.40	0.38	1.16
Feb	1.71	1.66	15.42	0.44	0.41	1.03
Mar	1.27	1.23	3.19	0.36	0.34	0.94
Apr	0.88	0.84	1.35	0.38	0.36	0.59
May	1.02	0.97	1.80	0.43	0.40	0.72
Jun	2.56	2.37	38.46	0.52	0.49	1.53
Jul	1.31	1.25	1.80	0.43	0.40	0.82
Aug	1.32	1.24	5.85	0.45	0.42	0.94
Sep	1.31	1.11	2.76	0.47	0.42	1.19
Oct	1.62	1.35	3.07	0.55	0.50	1.26
Nov	1.18	1.05	3.36	0.38	0.35	1.71
Dec	1.38	1.25	3.84	0.47	0.45	0.78
2026						
Jan	1.51	1.40	3.59	0.52	0.49	1.21
Feb	1.44	1.35	2.09	0.64	0.61	1.54
Mar	1.52	1.37	3.06	0.61	0.57	1.74
Apr	1.33	1.21	6.46	0.49	0.46	0.57

Raw Water Analyses - 2025 and 2026

Parameter	Number of Samples	Average Concentration	Minimum Concentration	Maximum Concentration	Units
Bicarbonate	16	112	104	120	mg/L
Calculated TDS	16	113	103	133	mg/L
Carbonate	16	2.50	2.50	2.50	mg/L
Chloride	16	0.706	0.500	2.200	mg/L
Colour, Apparent	1	18.0	18.0	18.0	mg/L
Colour, True	5	5.4	2.5	8	mg/L
Dissolved Aluminum	15	0.015	0.001	0.198	mg/L
Dissolved Antimony	15	0.34	0.1	0.5	ug/L
Dissolved Arsenic	15	0.38	0.2	0.5	ug/L
Dissolved Barium	15	0.027	0.025	0.033	mg/L
Dissolved Beryllium	15	0.122	0.005	0.25	ug/L
Dissolved Boron	15	0.0038	0.001	0.007	mg/L
Dissolved Cadmium	15	0.0068	0.005	0.008	ug/L
Dissolved Calcium	29	31.8	25.7	39.9	mg/L
Dissolved Chromium	15	0.32	0.25	1.3	ug/L
Dissolved Cobalt	15	0.028	0.025	0.03	ug/L
Dissolved Copper	15	0.607	0.400	1.000	ug/L
Dissolved Iron	29	6.86	0.50	50.00	ug/L
Dissolved Lead	15	0.0447	0.0250	0.1100	ug/L
Dissolved Lithium	15	1.26	0.25	2.00	ug/L
Dissolved Magnesium	29	7.40	6.05	11.10	mg/L
Dissolved Manganese	29	0.554	0.025	2.500	ug/L
Dissolved Mercury	22	0.00595	0.00500	0.02590	ug/L
Dissolved Molybdenum	15	0.681	0.500	1.660	ug/L
Dissolved Nickel	15	1.2	0.5	3.4	ug/L
Dissolved Organic Carbon (DOC)	16	2.51	2.10	3.10	mg/L
Dissolved Potassium	29	0.494	0.300	0.600	mg/L
Dissolved Selenium	15	0.251	0.210	0.300	ug/L
Dissolved Silver	15	0.018	0.010	0.025	ug/L
Dissolved Sodium	30	1.28	1.05	1.76	mg/L
Dissolved Strontium	15	0.114	0.091	0.140	mg/L
Dissolved Thallium	15	0.026	0.005	0.05	ug/L
Dissolved Tin	15	0.133	0.025	0.250	ug/L
Dissolved Titanium	15	0.4	0.25	0.5	ug/L
Dissolved Tungsten	15	0.026	0.005	0.05	ug/L
Dissolved Uranium	15	0.377	0.200	0.500	ug/L
Dissolved Vanadium	15	0.367	0.250	0.500	ug/L
Dissolved Zinc	15	0.003	0.001	0.011	mg/L
Electrical Conductivity	16	203	115	247	mg/L
Fluoride	16	0.03	0.005	0.07	mg/L
Hardness	29	110	91	145	mg/L
Hardness, Total	7	104	97	115	mg/L
Hydroxide	16	2.5	2.5	2.5	mg/L
Ion Balance	16	102	89	120	mg/L

Raw Water Analyses - 2025 and 2026

Parameter	Number of Samples	Average Concentration	Minimum Concentration	Maximum Concentration	Units
Mercury, Dissolved, Ultra-low Level	1	0.00125	0.00125	0.00125	ug/L
Mercury, Total, Ultra-low Level	15	0.127	0.00000125	0.800	mg/L
Nitrate	16	0.25	0.25	0.25	mg/L
Nitrate+Nitrite - Nitrogen	16	0.01	0.01	0.01	mg/L
Nitrate-N	16	0.01	0.01	0.01	mg/L
Nitrite	16	0.025	0.025	0.025	mg/L
Nitrite-N	16	0.005	0.005	0.005	mg/L
p - Alkalinity (as CaCO3)	16	2.5	2.5	2.5	mg/L
pH	16	7.86	7.47	8.34	mg/L
SAR	4	0.1	0.1	0.1	mg/L
Sodium Adsorption Ratio	12	0.0533	0.0500	0.0700	mg/L
Sulfate	16	16.9	12.3	29.1	mg/L
T - Alkalinity (as CaCO3)	16	90.4	83.0	98.0	mg/L
Total Aluminum	15	0.0595	0.0100	0.5970	mg/L
Total Antimony	15	0.5	0.5	0.5	ug/L
Total Arsenic	15	0.5	0.5	0.5	ug/L
Total Barium	15	0.025	0.025	0.025	mg/L
Total Beryllium	15	0.25	0.25	0.25	ug/L
Total Boron	15	0.00733	0.00500	0.04000	mg/L
Total Cadmium	15	0.00993	0.00800	0.01800	ug/L
Total Calcium	15	31.4	27.7	36.2	mg/L
Total Chromium	15	0.00062	0.00025	0.003	mg/L
Total Cobalt	15	0.04	0.01	0.19	ug/L
Total Copper	15	0.00085	0.00040	0.00130	mg/L
Total Iron	7	0.02957	0.01300	0.04300	mg/L
Total Iron	8	0.0263	0.0100	0.0700	mg/L
Total Lead	15	0.0700	0.0500	0.3000	ug/L
Total Lithium	15	0.0032	0.0005	0.0270	mg/L
Total Magnesium	15	7.48	6.38	10.50	mg/L
Total Manganese	15	0.00153	0.00060	0.00220	mg/L
Total Mercury	23	0.00522	0.00500	0.01000	ug/L
Total Mercury- Ultra Low Level	1	0.00125	0.00125	0.00125	ug/L
Total Molybdenum	15	0.00057	0.00050	0.00100	mg/L
Total Nickel	15	0.00167	0.00150	0.00400	mg/L
Total Potassium	7	0.475	0.429	0.508	mg/L
Total Potassium	8	0.48	0.44	0.52	mg/L
Total Selenium	15	0.25	0.25	0.25	ug/L
Total Silver	15	0.025	0.025	0.025	ug/L
Total Sodium	15	1.29	1.13	1.56	mg/L
Total Strontium	15	0.113	0.101	0.137	mg/L
Total Thallium	15	0.05	0.05	0.05	ug/L
Total Tin	15	0.18	0.1	0.25	ug/L
Total Titanium	15	0.6	0.5	2	ug/L
Total Tungsten	15	0.05	0.05	0.05	ug/L

Treated Water Analyses - October 29, 2025

Sample Description		Treated Water - WTP	
Date Sampled		10/29/2025	
Parameter	Unit	Lab Detection Limit	Result
Total Aluminum	mg/L	0.004	0.127
Total Antimony	mg/L	0.001	<0.001
Total Arsenic	mg/L	0.001	<0.001
Total Barium	mg/L	0.05	<0.05
Total Beryllium	mg/L	0.0005	<0.0005
Total Boron	mg/L	0.01	<0.01
Total Cadmium	mg/L	0.000016	<0.000016
Total Calcium	mg/L	0.05	31.7
Total Chromium	mg/L	0.0005	0.0006
Total Cobalt	mg/L	0.00001	<0.00001
Total Copper	mg/L	0.0008	0.0014
Total Iron	mg/L	0.01	<0.01
Total Lead	mg/L	0.0001	<0.0001
Total Lithium	mg/L	0.001	0.001
Total Magnesium	mg/L	0.005	6.69
Total Manganese	mg/L	0.0002	0.0003
Total Mercury	mg/L	0.00001	<0.00001
Total Molybdenum	mg/L	0.001	<0.001
Total Nickel	mg/L	0.003	<0.003
Total Potassium	mg/L	0.02	0.46
Total Selenium	mg/L	0.0005	<0.0005
Total Silver	mg/L	0.00005	<0.00005
Total Sodium	mg/L	0.02	4.43
Total Strontium	mg/L	0.001	0.105
Total Thallium	mg/L	0.0001	<0.0001
Total Tin	mg/L	0.0005	<0.0005
Total Titanium	mg/L	0.001	<0.001
Total Tungsten	mg/L	0.0001	<0.0001
Total Uranium	mg/L	0.001	<0.001
Total Vanadium	mg/L	0.001	<0.001
Total Zinc	mg/L	0.004	<0.004
pH	pH Units	N/A	7.12
p - Alkalinity (as CaCO3)	mg/L	5	<5
T - Alkalinity (as CaCO3)	mg/L	5	96
Bicarbonate	mg/L	5	117
Carbonate	mg/L	5	<5
Hydroxide	mg/L	5	<5
Electrical Conductivity	uS/cm	5	194
Chloride	mg/L	1.0	5.3
Fluoride	mg/L	0.01	0.03

Treated Water Analyses - October 29, 2025

Parameter	Unit	Lab Detection Limit	Result
Nitrate	mg/L	0.5	<0.5
Nitrate-N	mg/L	0.02	<0.02
Nitrite	mg/L	0.05	<0.05
Nitrite-N	mg/L	0.01	<0.01
Nitrate+Nitrite - Nitrogen	mg/L	0.02	<0.02
Sulfate	mg/L	1.0	15.1
Dissolved Calcium	mg/L	0.07	27.8
Dissolved Iron	mg/L	0.001	0.003
Dissolved Magnesium	mg/L	0.05	6.80
Dissolved Manganese	mg/L	0.00005	0.00086
Dissolved Potassium	mg/L	0.05	0.50
Dissolved Sodium	mg/L	0.05	5.50
Sodium Adsorption Ratio			0.24
Calculated TDS	mg/L	0.6	119
Hardness	mg CaCO3/L	0.5	97.4
Ion Balance	%	1	92
Dissolved Aluminum	mg/L	0.004	0.120
Dissolved Antimony	mg/L	0.001	<0.001
Dissolved Arsenic	mg/L	0.001	<0.001
Dissolved Barium	mg/L	0.05	<0.05
Dissolved Beryllium	mg/L	0.00005	<0.00005
Dissolved Boron	mg/L	0.002	0.004
Dissolved Cadmium	mg/L	0.000016	<0.000016
Dissolved Chromium	mg/L	0.0005	0.0007
Dissolved Cobalt	mg/L	0.00006	0.00006
Dissolved Copper	mg/L	0.0003	0.0011
Dissolved Lead	mg/L	0.00005	<0.00005
Dissolved Lithium	mg/L	0.001	0.001
Dissolved Mercury	mg/L	0.00001	<0.00001
Dissolved Molybdenum	mg/L	0.001	0.001
Dissolved Nickel	mg/L	0.0004	0.0011
Dissolved Selenium	mg/L	0.00005	0.00028
Dissolved Silver	mg/L	0.00003	<0.00003
Dissolved Strontium	mg/L	0.001	0.110
Dissolved Thallium	mg/L	0.00001	0.00001
Dissolved Tin	mg/L	0.0001	<0.0001
Dissolved Titanium	mg/L	0.001	<0.001
Dissolved Tungsten	mg/L	0.00001	0.00001
Dissolved Uranium	mg/L	0.00001	0.00027
Dissolved Vanadium	mg/L	0.0005	<0.0005
Dissolved Zinc	mg/L	0.004	0.004
Dissolved Organic Carbon (DOC)	mg/L	0.5	2.2
Turbidity	NTU	0.2	<0.2

Raw, Clarified, Clarifier Waste, Distribution, and Backwash Water Analyses - December 3, 2025

Sample Description	Unit	Lab Detection Limit	Raw Water	Clarified Water	Clarified Waste Water	Distribution Water	Backwash Water
Parameter							
Total Aluminum	mg/L	0.004	0.013	0.401	6.08	0.082	30.4
Total Antimony	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Arsenic	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	0.003
Total Barium	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Beryllium	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Boron	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Cadmium	mg/L	0.000012	0.000015	<0.000012	0.000056	<0.000012	0.000253
Total Calcium	mg/L	0.05	24.9	27.4	27.7	27.2	28.7
Total Chromium	mg/L	0.0005	0.0013	0.0006	0.0006	<0.0005	0.0013
Total Cobalt	mg/L	0.00001	0.00002	0.00002	0.00008	0.00001	0.00024
Total Copper	mg/L	0.0008	<0.0008	<0.0008	0.0019	<0.0008	0.0083
Total Iron	mg/L	0.01	0.03	<0.01	0.08	<0.01	0.21
Total Lead	mg/L	0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0007
Total Lithium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Magnesium	mg/L	0.005	6.41	6.52	6.66	6.18	6.90
Total Manganese	mg/L	0.0002	0.0018	0.0007	0.0084	0.0003	0.0264
Total Mercury	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Molybdenum	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L	0.003	<0.003	<0.003	<0.003	<0.003	0.005
Total Potassium	mg/L	0.02	0.43	0.43	0.46	0.39	0.50
Total Selenium	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008
Total Silver	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Total Sodium	mg/L	0.02	1.08	1.69	1.81	3.35	3.23
Total Strontium	mg/L	0.001	0.103	0.105	0.112	0.101	0.123
Total Thallium	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Tin	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Titanium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	0.002
Total Tungsten	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Uranium	mg/L	0.001	<0.001	<0.001	0.001	<0.001	0.005
Total Vanadium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	0.002
Total Zinc	mg/L	0.004	<0.004	<0.004	<0.004	<0.004	0.013
pH	pH Units	N/A	7.52	7.46	7.42	7.40	7.39
p - Alkalinity (as CaCO3)	mg/L	5	<5	<5	<5	<5	<5

