



EDMONTON WATERWORKS MONTHLY REPORT

July 2026

PROVIDING MORE

EPCOR

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1.1.1 **Operations – Rosssdale and E.L. Smith Plants**

Plant Bypasses

The number of bypasses shown on Table 1.2.26 “Rosssdale Waste Stream Data” and Table 1.2.27 “E.L. Smith Waste Stream Data” include both planned and unplanned bypasses. A planned bypass is any bypass that is planned for a minimum of one day ahead of the actual bypass. All other bypasses are considered unplanned.

In July, Rosssdale Plant had 0 planned shutdowns and 7 bypasses.

Date	Type	Bypass Description
July 8	Unplanned	4m – unplanned bypass due to power bump
July 8	Unplanned	3m – unplanned bypass due to power bump
July 12	Unplanned	1h 20m – unplanned bypass due to power bump
July 15	Planned	2h 45m – planned bypass for project work
July 25/26	Unplanned	4h 30m – unplanned bypass due to power failure
July 27	Unplanned	1h 50m – unplanned bypass due to power bump
July 28	Unplanned	1h 55m – unplanned bypass due to power bump

In July, E.L. Smith Plant had 0 planned shutdowns and 0 bypasses.

Date	Type	Bypass Description
-	-	-

Clarifier Blowdown Volume

- ◆ The clarifier blowdown volume shown on Table 1.2.26 and Table 1.2.27 include estimated plant leakage.
- ◆ The clarifier blowdown TSS volume in Table 1.2.27 is currently shown as negative and has been identified as incorrect. Work is underway to determine the root cause and resolve the issue. The value will be corrected prior to issuance of the next report.

Dechlorination Highlights

- ◆ During the month of July, there were zero instances of chlorinated waste released at the outfall structure at Rosssdale Water Treatment Plant.
- ◆ During the month of July, there were zero instances of chlorinated waste released at the outfall structure at E.L. Smith Water Treatment Plant.

Monthly Highlights

- ◆ On July 20, both the Rosssdale and E.L. Smith Water Treatment Plants reduced their phosphoric acid dose from 0.9 mg/L to 0.75 mg/L. The initial conditioning period at the higher dose has proven effective, and we are now entering the next phase of the program. This phase involves a controlled dose reduction supported by ongoing monitoring and sampling.
- ◆ On July 13th, the Rosssdale Water Treatment Plant UV Reactor 9 experienced operational issues. This resulted in two brief periods, lasting around 40 seconds, where filtered water received a low UV dose. The UV reactor continued to run because these short periods did not meet the threshold that would trigger an automatic filter shutdown.

Chemical Dosing Highlights

In July, due to high color and turbidity events in the North Saskatchewan River, Rossdale and E.L. Smith Water Treatment Plants exceeded the Maximum Use in the Standard 60, published by the National Sanitation Foundation and the American National Sanitation Standards Institute (NSF/ANSI) for Alum and Caustic Soda.

Date	E.L. Smith		Rossdale	
	Alum (mg/L)	Caustic (mg/L)	Alum (mg/L)	Caustic (mg/L)
July 1 st	377	60.8	273	-
July 2 nd	325	63.6	297	-
July 3 rd	273	58.9	271	-
July 4 th	227	52.0	222	-
July 5 th	218	-	231	-
July 6 th	195	-	-	-

Chemicals Used for the Month

CHEMICAL NAME	MANUFACTURER
Aluminum Sulfate 48.5%	Chemtrade
Aqua Ammonia 19%	Univar
Caustic Soda 50%	Chemtrade
Hydrofluorosilicic Acid 25%	Nutrien
Magnafloc LT27AG / Praestol DW27AG	Solenis
Magnafloc LT-7995	Solenis
Phosphoric Acid 75%	Innophos
Sodium Hypochlorite 12%	ClearTech
Liquid Ammonium Sulphate 41%	Umicore Canada Inc
Salt	Windsor
Sodium Bisulphite 38%	Chemtrade
PAC	Norit Americas Inc.

ENV-1.1.2 EDMONTON INCIDENT REPORT SUMMARY – July 2026

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20260702-988772-v1	About 66 m ³ of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	July 2, 2026	455535
ENV-20260714-613305-v1	About 26 m ³ of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	July 14, 2026	456070
ENV-20260716-238082-v1	About 143 m ³ of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	July 16, 2026	456203
ENV-20260724-456562-v1	About 98 m ³ of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	July 24, 2026	456562
ENV-20260730-268396-v1	About 1 m ³ of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the	July 30, 2026	456901

	water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.		
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1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

ROSSDALE WATER TREATMENT PLANT (LEVEL IV)	
Director, Edmonton Water Treatment Plants	
Senior Manager, Operations	
Manager, Operations	
Title	Alberta Environment Certification Level
Operations Engineer	
Manager, Transmission Operations & Training	WT III
HEI Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT IV
Transmission Foreman	WT III
Training Foreman	WT III
Lead Operator	WT II
Transmisison Operator	WT III
Water Operator	WT II
Water Operator	WT III
Water Operator	WT III
Operations Trainer	WT III
Day Foreman	WT IV
Operator Foreman	WT III
Operator Foreman	WT III
Water Operator	WT III
Water Operator	WT III
Lead Operator	WT IV
Lead Operator	WT III
Water Operator	WT III, WD II
Water Operator	WT III, WWT III
Water Operator	WT III
Water Operator	WT II
Water Operator	WT II, WD II, WWT II, WWC II
Water Operator	WT II, WD I
Water Operator	WT II, WD II, WWT I, WWC II
Water Operator	WT I, WD I, WWT I, WWC I
Water Operator	WT I
Water Operator	Non-certified

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

E.L. SMITH TREATMENT PLANT (LEVEL IV)

Director, Edmonton Water Treatment Plants

Senior Manager, Operations

Manager, Operations

Title	Alberta Environment Certification Level
Operations Engineer	WWC I
Day Foreman	WT IV
HEI Foreman	WT IV
HEI Foreman	WT IV
Training Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT III
Operator Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT IV
Lead Operator	WT IV
Lead Operator	WT III, WWT II,
Lead Operator	WT III, WWT III
Lead Operator	WT II, WD II, WWT I, WWC I
Lead Operator	WT IV
Water Operator	WT III
Water Operator	WT III
Water Operator	WT II, WD I, WWT II, WWC I
Water Operator	WT I
Water Operator	Non-certified
Water Operator	Non-certified
Water Operator - Summer Student	Non-certified

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - CONSTRUCTION

Senior Manager, Maintenance and Construction

Manager, Distribution Maintenance

Manager, Dist. Maint Schedule

Title	Alberta Environment Certification Level
Water Network Operator	WD IV WWC I
Water Network Operator	WD IV
Foreman III	WD III
Foreman III	WD III
Foreman III	WD III
Foreman III	WD III
Foreman III	WD III
Foreman I	WD III WWC I
Foreman I	WD III
Foreman I	WD IV
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Foreman I	WD III
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Foreman I	WD II
Equipment Operator III	WD II
Equipment Operator III	WD I
Equipment Operator III	WD II
Equipment Operator III	WD I
Equipment Operator III	WD II
Equipment Operator III	WD I
Equipment Operator III	WD I
Equipment Operator III	WD II
Equipment Operator III	WD II
Equipment Operator III	WD II
Equipment Operator III	WD II
Labourer II	WD II
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer III	WD III
Labourer II	WD I
Labourer III	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

DISTRIBUTION SYSTEM (LEVEL IV FACILITY) WATER DISTRIBUTION (WD) - CONSTRUCTION

Senior Manager, Maintenance and Construction

Manager, Maintenance and Construction

Manager, Dist. Maint Scheduling

Title	Alberta Environment Certification Level
Labourer III	WD I
Labourer II	WD I
Labourer II	WD II
Labourer II	WD I WWC I
Labourer II	WD II WWC I WT I WWT I
Truck Driver III	WD II
Labourer II	WD II
Truck Driver III	WD II
Truck Driver III	WD II
Truck Driver III	WD I
Truck Driver III	WD I
Welder	WD II
Maintenance Repairman I	WD II
Maintenance Repairman I	WD I
Maintenance Repairman I	WD I
Labourer II	WD I
Foreman I	WD I
Water Sys Tech Support Specialist	WD II
Water Sys Tech Support Specialist	WD IV

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - SYSTEMS MAINTENANCE

Senior Manager, Distribution Operations

Manager, Field Operations

Manager, Metering and Preventative Maintenance **WD I**

Manager, Water Trouble **WD III**

Title Alberta Environment Certification Level

Foreman III	WD IV, WWC I
Foreman III	WD IV
Foreman I	WD II
Foreman I	WD II
Labourer III	WD II
Labourer III	WD I
Labourer III	WD I
Labourer III	WD II
Labourer III	WD I
Foreman I	WD I
Labourer II	WD I
Labourer II	WD II
Labourer II	WD I
Foreman I	WD II
Labourer II	WD II
Labourer II	WD I
Labourer III	WD I
Labourer II	WD II WWC I
Labourer II	WD I
Foreman III	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)	
WATER DISTRIBUTION (WD) - CUSTOMER SERVICE	
Senior Manager, Customer Service	
Manager, Dispatch	WD II
Manager, Customer Service	
Title	Alberta Environment Certification Level

Team Lead, Dispatch	
Dispatcher Coordinator	WD I
Dispatcher Coordinator	WD I WWC I WT I WWT I
Inspector – Water Metering	WD II
Inspector – Water Metering	WD I
Manager, Cross Connections	WD II
Inspector – Cross Connections	WD I

1.1.3 Alberta Environment Operator Certifications

Operator Contact Number: EPCOR Water Services Dispatch (24 hr) (780) 412-4500

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER METERING (WD)

Manager, Metering Operations

WD I

Title

Alberta Environment Certification Level

Foreman III

WD II

Meter Installer I

WD I

Meter Installer I

WD I

Meter Installer II

WD III

Meter Installer I

WD I WWC I

Meter Installer I

WD III

Meter Installer I

WD I

Meter Installer I

WD II

Meter Mechanic II

WD II

Meter Installer II

WD I

Meter Installer I

WD I

Meter Installer I

WD I

1.2.1 Raw Water Intake (ML)

July 2026

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	55	85	140	263	403
2	56	86	142	259	401
3	65	106	171	268	438
4	69	111	180	281	460
5	75	105	180	280	460
6	72	96	168	268	436
7	71	95	166	271	437
8	80	120	200	301	501
9	80	109	189	278	466
10	80	100	180	277	457
11	66	100	166	277	443
12	59	99	158	263	421
13	60	101	161	264	425
14	80	112	192	292	484
15	70	118	188	302	490
16	60	140	200	302	502
17	60	144	204	301	504
18	60	150	210	299	509
19	60	112	172	266	438
20	60	100	160	261	421
21	60	100	160	261	421
22	60	100	160	269	429
23	71	100	171	290	460
24	80	110	189	307	496
25	71	92	163	321	484
26	58	91	149	318	467
27	59	97	157	301	457
28	60	99	159	286	445
29	60	105	165	281	446
30	60	105	165	282	447
31	60	105	165	281	446
Monthly Total	2,035	3,293	5,327	8,768	14,095
Monthly Min	55	85	140	259	
Monthly Max	80	150	210	321	
Monthly Avg	66	106	172	283	455

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

July 2026

Day	Rossdale (Plant 1 & Plant 2)			E.L. Smith			Plants Combined	Reservoir Levels (%)
	Flow Meters			Flow Meters			Flow Meters (Both Plants)	
	Min	Max	Total	Min	Max	Total		
1	67	200	121	209	302	250	372	67.8
2	47	194	118	212	297	240	358	66.1
3	66	202	147	213	291	246	393	58.5
4	70	203	160	205	306	263	423	60.8
5	68	205	160	202	312	261	421	67.6
6	57	208	150	207	312	250	400	71.5
7	93	206	148	208	309	249	397	65.4
8	129	205	183	211	311	281	464	61.5
9	78	208	169	240	311	257	426	67.8
10	90	211	164	207	302	251	414	66.6
11	65	207	149	210	309	255	403	69.2
12	36	203	136	207	316	243	378	72.7
13	81	205	145	208	313	240	384	68.9
14	74	203	170	205	302	267	437	61.7
15	0.0	206	164	205	312	273	437	63.7
16	118	205	187	208	309	276	462	64.8
17	144	205	188	210	310	278	466	66.6
18	134	202	194	211	306	273	467	69.8
19	75	200	157	222	292	240	397	76.3
20	110	199	144	206	279	243	388	74.0
21	48	203	144	208	308	240	385	71.8
22	58	202	146	239	306	247	393	69.8
23	86	212	153	208	312	264	418	63.1
24	81	206	174	243	316	279	453	61.0
25	0.0	202	151	239	305	291	442	65.1
26	0.0	205	121	240	313	292	413	68.1
27	0.0	201	132	211	312	273	406	70.3
28	38	207	134	209	304	260	394	71.6
29	95	210	148	208	315	256	404	69.5
30	79	206	156	210	305	253	408	68.0
31	80	212	155	210	310	255	410	66.2
Monthly Tota			4,769			8,044	12,812	
Monthly Min	0.0			202				
Monthly Max		212			316			
Monthly Avg			154			259	413	

NOTES: ' -- ' indicates plant offline

- Estimated flows are based on UV effluent flow meters to address inaccuracy of highlift flow meters.
- Reservoir levels (%) recorded daily at 7 AM

1.2.3 Raw Water Quality - North Saskatchewan River

July 2026

Day	Rossdale										E.L. Smith											
	Turbidity (NTU)			pH			Colour (TCU)					Turbidity (NTU)			pH			Colour (TCU)				
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg			Min	Max	Avg	Min	Max	Avg	Min	Max			Avg
1	700	3,400	2,400	7.8	7.9	7.8	56.5	90.7	78.8		1,100	3,500	2,600	7.4	7.7	7.5	61.9	75.4	66.7			
2	650	2,100	1,200	7.8	8.0	7.9	56.5	71.6	65.3		600	1,700	1,000	7.6	7.7	7.7	56.2	68.9	62.0			
3	400	950	650	7.9	8.0	7.9	57.5	66.3	62.4		360	600	450	7.7	7.9	7.8	59.9	73.2	62.2			
4	280	400	310	8.0	8.1	8.0	53.5	67.2	60.5		270	700	310	7.8	8.0	7.9	46.2	61.7	57.7			
5	290	1,700	800	8.0	8.1	8.0	37.1	53.5	42.4		320	1,700	750	7.8	7.9	7.9	36.1	46.2	39.4			
6	220	370	280	8.1	8.2	8.1	32.2	40.4	36.2		220	320	250	7.9	8.0	8.0	30.3	46.3	41.2			
7	170	230	200	8.2	8.2	8.2	33.8	40.4	34.8		130	230	180	8.0	8.1	8.1	30.8	33.0	31.5			
8	90	170	120	8.2	8.2	8.2	30.5	34.0	32.6		85	130	100	8.0	8.2	8.1	27.6	31.4	29.1			
9	85	95	90	8.2	8.2	8.2	26.3	30.5	28.7		70	90	85	8.1	8.2	8.1	24.1	27.7	26.3			
10	80	90	85	8.2	8.3	8.2	23.1	26.3	25.2		60	75	70	8.1	8.2	8.2	21.7	24.4	23.1			
11	55	80	65	8.2	8.2	8.2	21.0	23.1	22.4		60	65	60	8.2	8.3	8.2	20.9	22.2	21.7			
12	55	600	100	8.2	8.2	8.2	19.9	21.2	20.8		45	65	60	8.1	8.3	8.2	18.9	21.0	19.8			
13	39	65	55	8.2	8.2	8.2	20.2	29.3	26.1		50	60	55	8.2	8.2	8.2	21.0	30.0	27.8			
14	4.0	70	55	8.2	8.3	8.2	27.3	29.3	29.0		38	50	45	8.1	8.2	8.2	26.5	29.9	28.4			
15	36	45	39	8.2	8.3	8.2	22.3	27.3	25.0		38	40	40	8.1	8.3	8.2	21.1	26.5	24.2			
16	45	90	65	8.2	8.3	8.3	21.9	28.3	24.4		26	85	60	8.2	8.3	8.3	20.9	27.1	24.5			
17	40	60	50	8.2	8.3	8.2	21.6	27.5	25.9		38	50	40	8.3	8.3	8.3	23.1	26.2	24.3			
18	40	45	45	8.2	8.3	8.3	23.1	24.1	23.5		39	70	50	8.3	8.3	8.3	18.1	24.2	22.0			
19	45	60	50	8.2	8.2	8.2	19.8	23.1	21.7		55	70	60	8.3	8.3	8.3	18.1	20.8	19.8			
20	38	55	45	8.2	8.3	8.2	17.6	23.3	20.5		33	55	45	8.3	8.3	8.3	16.3	30.8	20.9			
21	37	70	55	8.2	8.3	8.2	23.3	33.6	31.4		31	55	45	8.3	8.3	8.3	30.2	33.9	31.8			
22	33	37	35	8.2	8.2	8.2	24.5	32.7	30.2		27	50	40	8.3	8.3	8.3	23.4	32.9	27.9			
23	24	33	28	8.2	8.3	8.2	22.8	24.6	24.3		22	29	25	8.3	8.3	8.3	20.2	23.4	22.1			
24	22	24	23	8.3	8.3	8.3	17.9	22.8	19.5		22	26	23	8.3	8.3	8.3	17.5	20.2	18.5			
25	15	23	21	8.3	8.3	8.3	16.8	19.0	18.5		16	22	18	8.3	8.4	8.3	16.1	19.2	17.2			
26	15	100	35	8.3	8.3	8.3	15.3	21.3	16.8		15	28	21	8.3	8.4	8.3	14.0	16.6	14.7			
27	14	90	25	8.2	8.3	8.3	14.2	18.3	15.2		13	15	14	8.4	8.4	8.4	12.3	14.5	13.3			
28	18	45	30	8.2	8.4	8.3	15.3	18.3	16.7		12	14	13	8.4	8.4	8.4	12.2	12.6	12.4			
29	12	18	17	8.4	8.4	8.4	15.3	16.6	16.0		9.9	13	11	8.3	8.5	8.4	11.6	13.5	12.5			
30	8.3	12	9.5	8.4	8.4	8.4	13.9	15.8	15.1		7.0	11	8.3	8.5	8.5	8.5	11.4	12.6	11.9			
31	7.1	9.2	7.9	8.4	8.4	8.4	13.9	15.3	14.9		6.7	7.6	7.0	8.4	8.5	8.4	11.1	11.8	11.4			
Monthly Min/Max/Avg	4.0	3,400	230	7.8	8.4	8.2	13.9	90.7	29.8		6.7	3,500	210	7.4	8.5	8.2	11.1	75.4	27.9			

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

July 2026

Day	Rossdale														E.L. Smith													
	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as CaCO ₃)	Colour (TCU)	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as CaCO ₃)	Colour (TCU)
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg
1	0.08	0.12	0.10	2.01	2.21	2.10	7.8	8.0	7.9	0.65	0.67	0.65	174	1.2	0.07	0.09	0.08	2.04	2.18	2.12	7.6	7.8	7.7	0.65	0.68	0.66	199	1.4
2	0.08	0.13	0.10	2.01	2.21	2.09	7.8	8.2	8.1	0.63	0.68	0.66	259	1.1	0.06	0.07	0.06	2.12	2.18	2.13	7.6	7.8	7.7	0.59	0.68	0.63	264	1.1
3	0.08	0.09	0.09	2.01	2.21	2.09	7.7	7.8	7.7	0.63	0.64	0.64	250	0.7	0.06	0.06	0.06	2.08	2.14	2.11	7.8	7.8	7.8	0.59	0.65	0.62	216	1.2
4	0.08	0.11	0.08	2.11	2.26	2.17	7.7	8.0	7.9	0.63	0.65	0.64	220	0.6	0.06	0.06	0.06	2.10	2.18	2.14	7.8	7.9	7.8	0.63	0.65	0.64	196	1.5
5	0.07	0.08	0.08	2.06	2.26	2.17	7.8	8.1	8.0	0.62	0.65	0.64	196	0.6	0.05	0.06	0.06	2.14	2.22	2.18	7.8	7.9	7.8	0.64	0.66	0.65	197	1.1
6	0.08	0.06	0.06	2.16	2.32	2.24	7.8	8.0	7.9	0.62	0.67	0.65	194	0.6	0.05	0.06	0.05	2.17	2.22	2.18	7.8	7.9	7.8	0.57	0.64	0.62	185	0.7
7	0.07	0.07	0.07	2.16	2.32	2.22	7.8	8.0	7.9	0.67	0.75	0.68	179	0.9	0.05	0.06	0.05	2.11	2.18	2.13	7.9	8.0	7.9	0.57	0.62	0.60	174	1.0
8	0.05	0.07	0.08	2.16	2.36	2.27	7.8	8.0	7.9	0.63	0.69	0.67	181	1.0	0.06	0.06	0.06	2.12	2.20	2.16	7.9	7.9	7.9	0.59	0.62	0.60	173	1.2
9	0.06	0.07	0.08	2.16	2.36	2.24	7.9	8.1	8.0	0.66	0.70	0.68	178	1.0	0.05	0.06	0.06	2.13	2.18	2.15	7.9	7.9	7.9	0.57	0.62	0.60	174	1.5
10	0.06	0.07	0.07	2.11	2.26	2.20	8.0	8.1	8.0	0.69	0.70	0.69	174	1.0	0.05	0.06	0.06	2.13	2.19	2.17	7.8	7.9	7.9	0.57	0.62	0.60	174	1.1
11	0.06	0.08	0.07	2.16	2.32	2.23	7.9	8.1	8.0	0.68	0.70	0.69	172	0.8	0.06	0.06	0.06	2.13	2.18	2.16	7.7	7.8	7.7	0.61	0.65	0.62	172	1.2
12	0.06	0.07	0.06	2.16	2.32	2.22	7.8	7.9	7.9	0.68	0.70	0.69	171	0.6	0.06	0.06	0.06	2.12	2.18	2.15	7.7	7.7	7.7	0.65	0.70	0.67	170	0.7
13	0.06	0.09	0.06	2.11	2.32	2.20	7.7	7.9	7.8	0.68	0.69	0.69	170	0.6	0.06	0.07	0.06	2.12	2.18	2.14	7.6	7.7	7.7	0.67	0.67	0.67	166	1.3
14	0.06	0.09	0.07	2.06	2.32	2.20	7.7	7.8	7.7	0.67	0.68	0.68	173	0.8	0.06	0.06	0.06	2.13	2.18	2.15	7.7	7.7	7.7	0.69	0.70	0.69	174	1.6
15	0.05	0.08	0.06	2.11	2.28	2.20	7.7	7.9	7.8	0.67	0.68	0.67	173	0.9	0.06	0.06	0.06	2.12	2.19	2.15	7.7	7.7	7.7	0.60	0.69	0.63	171	1.4
16	0.03	0.08	0.05	2.06	2.32	2.18	7.8	7.9	7.8	0.67	0.70	0.68	170	0.6	0.06	0.06	0.06	2.12	2.18	2.15	7.6	7.7	7.7	0.60	0.69	0.64	171	1.2
17	0.02	0.08	0.05	2.06	2.26	2.17	7.7	7.9	7.7	0.66	0.69	0.68	173	0.6	0.06	0.06	0.06	2.17	2.23	2.20	7.6	7.7	7.6	0.67	0.71	0.70	169	1.3
18	0.02	0.06	0.03	2.16	2.32	2.23	7.7	7.8	7.8	0.68	0.69	0.69	171	0.6	0.06	0.06	0.06	2.09	2.18	2.13	7.6	7.7	7.6	0.67	0.73	0.70	171	1.5
19	0.02	0.04	0.03	2.11	2.32	2.20	7.8	7.9	7.8	0.67	0.69	0.69	171	0.5	0.06	0.06	0.06	2.08	2.13	2.10	7.6	7.6	7.6	0.69	0.71	0.70	172	1.2
20	0.02	0.05	0.03	2.16	2.32	2.20	7.8	7.8	7.8	0.66	0.67	0.67	168	0.4	0.06	0.06	0.06	2.02	2.18	2.12	7.6	7.6	7.6	0.65	0.69	0.68	169	1.1
21	0.02	0.04	0.03	2.06	2.26	2.13	7.7	7.8	7.8	0.64	0.67	0.67	172	0.4	0.06	0.06	0.06	2.03	2.12	2.09	7.5	7.6	7.6	0.62	0.65	0.64	173	1.4
22	0.03	0.04	0.03	1.65	2.22	2.12	7.7	7.9	7.8	0.63	0.65	0.65	165	0.8	0.05	0.06	0.06	2.05	2.12	2.08	7.5	7.6	7.6	0.67	0.69	0.68	172	1.1
23	0.02	0.03	0.03	2.16	2.32	2.23	7.7	7.9	7.8	0.63	0.67	0.65	174	0.8	0.06	0.06	0.06	2.08	2.12	2.10	7.6	7.6	7.6	0.65	0.67	0.67	170	0.9
24	0.02	0.03	0.03	2.16	2.36	2.25	7.8	7.9	7.8	0.66	0.68	0.67	169	0.6	0.06	0.06	0.06	2.08	2.13	2.10	7.6	7.6	7.6	0.69	0.74	0.72	168	0.8
25	0.02	0.04	0.03	2.16	2.32	2.24	7.8	7.9	7.9	0.68	0.69	0.69	171	0.5	0.06	0.06	0.06	2.08	2.12	2.09	7.5	7.6	7.6	0.67	0.67	0.67	170	1.1
26	0.02	0.06	0.03	2.06	2.32	2.17	7.8	7.9	7.8	0.67	0.68	0.68	171	0.5	0.06	0.06	0.06	2.08	2.12	2.10	7.5	7.6	7.6	0.67	0.70	0.69	172	1.1
27	0.02	0.04	0.03	2.06	2.26	2.13	7.8	7.9	7.8	0.67	0.68	0.67	165	0.6	0.06	0.06	0.06	2.07	2.12	2.08	7.6	7.6	7.6	0.69	0.72	0.71	169	1.0
28	0.02	0.05	0.03	2.11	2.32	2.22	7.8	7.9	7.9	0.67	0.69	0.68	168	0.6	0.06	0.06	0.06	2.08	2.12	2.09	7.6	7.6	7.6	0.73	0.74	0.74	174	1.0
29	0.02	0.05	0.03	2.11	2.32	2.22	7.8	7.8	7.8	0.66	0.67	0.67	170	0.5	0.06	0.06	0.06	2.09	2.16	2.12	7.6	7.6	7.6	0.72	0.74	0.73	170	0.8
30	0.02	0.04	0.03	2.16	2.32	2.20	7.8	7.9	7.8	0.66	0.67	0.67	170	0.6	0.06	0.06	0.06	2.09	2.17	2.12	7.6	7.8	7.7	0.73	0.74	0.73	174	1.0
31	0.03	0.04	0.04	2.06	2.26	2.17	7.8	7.8	7.8	0.66	0.67	0.67	174	0.5	0.06	0.06	0.06	2.10	2.17	2.12	7.7	7.8	7.7	0.72	0.74	0.73	173	0.9
Monthly Min/Max/ Avg	0.02	0.13	0.05	1.65	2.36	2.19	7.7	8.2	7.9	0.62	0.75	0.67	180	0.7	0.05	0.09	0.06	2.02	2.23	2.13	7.5	8.0	7.7	0.57	0.74	0.67	179	1.1

NOTES: ' -- ' indicates plant offline

1.2.5 Rossdale Filters 1 - 9 Particle Counts (no./mL >2um)

July 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	2	8	4	1	5	3	2	13	5	1	3	2	2	7	4	1	6	3	1	6	3	2	7	4	--	--	--
2	1	4	2	1	31	2	1	3	1	1	22	2	1	5	2	1	4	1	2	26	4	1	4	2	1	12	2
3	1	2	1	1	1	1	1	1	1	1	2	1	1	29	3	1	23	3	1	4	1	1	2	1	1	2	1
4	1	20	2	1	1	1	--	--	--	1	1	1	1	1	1	1	1	1	1	1	1	1	26	1	1	1	1
5	1	3	1	1	1	1	1	15	1	--	--	--	1	2	1	1	1	1	1	2	1	1	2	1	1	21	2
6	1	2	1	--	--	--	1	1	1	1	17	1	1	1	1	1	1	1	1	21	1	1	1	1	1	1	1
7	1	1	1	1	4	1	1	1	1	1	5	1	1	19	1	1	14	3	1	1	1	1	24	2	1	4	1
8	1	10	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	2	1	1	1	1
9	1	3	1	1	1	1	1	7	1	1	7	1	1	1	1	1	1	1	1	20	1	1	1	1	1	11	1
10	1	2	1	1	11	2	1	2	1	1	2	1	1	7	3	1	1	1	1	2	1	1	1	1	1	2	1
11	1	2	1	1	2	1	1	1	1	1	2	1	1	3	2	1	14	2	1	5	1	1	11	2	1	2	1
12	1	9	1	1	1	1	1	4	1	1	1	1	1	2	1	1	2	1	1	2	1	1	3	1	2	4	3
13	1	4	2	1	2	1	1	3	1	1	34	2	--	--	--	1	3	1	4	12	7	1	3	1	1	3	1
14	1	10	2	1	11	2	1	2	1	1	3	2	2	14	4	1	14	3	1	6	2	1	7	2	1	4	1
15	1	9	2	1	11	1	1	7	2	1	3	1	1	5	2	1	31	3	1	5	2	1	4	2	--	--	--
16	1	3	2	1	2	1	1	2	1	1	2	1	1	5	2	1	3	2	1	4	2	1	4	2	1	5	2
17	1	2	1	1	11	1	1	1	1	1	10	3	1	15	3	1	2	1	1	13	4	1	2	1	1	2	1
18	1	9	3	1	3	1	1	1	1	1	3	2	1	3	2	1	27	2	1	11	2	1	5	1	1	4	1
19	1	4	2	1	2	1	1	7	1	1	3	2	1	3	2	1	4	2	1	18	2	--	--	--	--	--	--
20	1	8	1	1	2	1	1	15	1	3	5	4	1	4	1	1	2	1	1	22	4	3	11	5	1	8	2
21	1	3	2	--	--	--	1	2	1	1	4	2	2	16	6	1	20	4	--	--	--	2	7	3	1	4	2
22	1	13	3	--	--	--	1	2	1	1	3	1	1	4	2	1	3	2	--	--	--	1	5	2	1	3	1
23	1	2	1	1	12	2	1	4	2	1	2	1	1	3	1	1	2	1	1	2	2	1	2	1	2	6	3
24	1	4	2	1	3	1	1	3	1	1	7	2	1	2	1	1	28	3	1	12	2	1	11	3	1	4	2
25	--	--	--	1	3	2	1	5	2	2	5	3	4	12	7	2	5	3	2	5	3	1	4	3	1	4	2
26	2	7	4	2	6	3	--	--	--	--	--	--	3	8	5	--	--	--	2	8	4	--	--	--	2	23	4
27	2	6	3	1	5	2	3	7	5	4	10	7	3	6	4	5	11	8	2	5	3	--	--	--	1	6	3
28	5	9	6	1	4	2	1	6	3	2	9	4	--	--	--	2	10	5	--	--	--	4	11	7	1	6	3
29	3	12	6	--	--	--	1	6	3	2	6	3	11	33	15	1	10	5	7	8	7	3	11	6	1	4	2
30	3	10	6	3	8	5	1	5	2	--	--	--	5	16	8	4	8	6	4	25	9	2	10	5	--	--	--
31	2	6	4	2	8	4	1	2	1	4	12	6	3	9	6	12	27	19	3	8	5	2	6	4	4	13	6
Monthly Min/Max/Avg	1	20	2	1	31	2	1	15	2	1	34	2	1	33	3	1	31	3	1	26	3	1	26	2	1	23	2

NOTE: '--' indicates filter offline

1.2.6 E.L. Smith Filters 1 - 9 Particle Counts (no./mL >2um)

July 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1	7	3	1	4	1	1	39	3	1	3	1	1	7	2	--	--	--	5	20	8	1	8	2	1	3	1
2	1	1	1	1	8	1	1	12	1	1	5	1	1	8	1	--	--	--	4	9	6	1	1	1	1	6	1
3	1	6	1	1	4	1	1	33	2	1	1	1	1	5	1	--	--	--	4	8	6	1	7	2	1	1	1
4	1	1	1	1	10	1	1	12	1	1	1	1	1	8	1	--	--	--	4	25	6	1	19	1	1	6	2
5	1	1	1	1	3	1	1	6	1	1	6	1	1	4	1	--	--	--	4	28	6	1	1	1	1	4	1
6	1	6	1	1	5	1	1	21	1	1	1	1	1	4	1	--	--	--	4	9	6	1	14	1	1	7	1
7	1	1	1	1	14	1	1	11	1	1	6	1	1	10	1	--	--	--	4	30	7	1	1	1	1	1	1
8	1	10	1	1	2	1	1	7	1	1	1	1	1	12	1	--	--	--	3	8	5	1	11	1	1	10	1
9	1	1	1	1	12	1	1	3	1	1	12	1	1	5	1	--	--	--	3	25	5	1	18	1	1	1	1
10	1	1	1	1	7	1	1	10	2	1	2	1	1	12	2	--	--	--	3	6	4	1	4	2	1	22	3
11	1	14	2	1	11	1	1	5	1	1	1	1	1	8	1	--	--	--	4	27	8	1	27	2	1	2	1
12	1	1	1	1	14	2	1	10	1	1	10	2	1	8	1	--	--	--	3	8	4	1	2	1	1	10	3
13	1	11	2	1	10	1	1	8	1	1	1	1	1	11	2	--	--	--	3	32	7	1	23	2	1	2	1
14	1	5	1	1	37	2	1	42	2	1	9	1	1	8	1	--	--	--	3	27	6	1	2	1	1	13	3
15	1	15	3	1	21	1	1	6	1	1	23	2	1	12	1	--	--	--	2	10	5	1	14	4	1	22	3
16	1	13	2	1	24	2	1	12	3	1	7	1	1	15	3	--	--	--	4	22	8	1	13	2	1	4	1
17	1	3	1	1	11	1	1	12	1	1	9	2	1	20	1	--	--	--	3	29	5	1	4	2	1	11	3
18	1	12	2	1	20	1	1	21	2	1	3	1	1	10	2	--	--	--	3	16	7	1	23	4	1	2	1
19	1	4	1	1	20	2	1	9	1	1	8	2	1	18	1	--	--	--	3	26	9	1	21	2	1	15	4
20	1	1	1	1	14	1	1	11	1	1	2	1	2	10	4	--	--	--	3	9	5	1	9	3	1	2	1
21	1	11	2	1	18	1	1	6	1	1	11	2	1	13	1	--	--	--	3	22	11	1	2	1	1	11	3
22	1	1	1	1	16	2	1	10	2	1	3	1	1	36	1	--	--	--	3	9	5	1	9	3	1	2	1
23	1	18	5	1	24	2	1	3	1	1	14	3	1	11	2	--	--	--	3	29	16	1	25	4	1	16	4
24	1	23	4	1	20	1	1	15	4	1	3	1	1	13	3	--	--	--	3	19	6	1	19	5	1	24	5
25	1	10	3	1	16	4	1	17	4	1	14	3	1	15	1	--	--	--	3	35	12	1	21	8	1	6	2
26	1	24	5	1	24	1	1	11	2	1	19	2	1	27	4	--	--	--	4	34	16	1	6	3	1	24	7
27	1	8	2	1	20	6	1	20	8	1	10	4	1	18	4	--	--	--	5	34	8	3	32	13	1	25	4
28	3	20	9	1	19	3	1	5	2	1	19	8	1	7	3	--	--	--	6	34	15	1	32	14	2	17	6
29	1	6	2	1	22	6	4	26	9	1	8	4	1	7	1	--	--	--	4	45	18	2	17	7	1	27	10
30	1	24	10	1	20	3	1	45	5	1	23	6	1	15	5	--	--	--	4	34	8	1	34	13	1	4	2
31	1	13	3	1	16	3	1	10	1	1	11	3	1	28	4	--	--	--	6	44	14	1	20	6	3	14	7
Monthly Min/Max/Avg	1	24	2	1	37	2	1	45	2	1	23	2	1	36	2	--	--	--	2	45	8	1	34	4	1	27	3

NOTES: ' -- ' indicates filter offline

1.2.7 E.L. Smith Filters 10 - 18 Particle Counts (no./mL >2um)

July 2026

Filter	10			11			12			13			14			15			16			17			18		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1	10	2	1	2	1	1	13	2	1	8	2	1	10	2	1	4	1	1	12	1	--	--	--	1	2	1
2	1	1	1	1	15	1	1	5	1	1	3	1	1	1	1	1	9	1	1	1	1	--	--	--	1	15	1
3	1	7	1	1	1	1	1	20	2	1	7	1	1	9	1	1	2	1	1	7	1	1	5	1	1	1	1
4	1	6	1	1	20	1	1	28	6	1	22	1	1	4	1	--	--	--	1	3	1	1	1	1	1	5	1
5	1	2	1	1	1	1	1	30	1	1	1	1	1	1	1	1	4	1	1	6	1	1	6	1	1	2	1
6	1	1	1	1	23	1	1	10	1	1	5	1	1	9	1	1	1	1	1	6	1	1	2	1	1	4	1
7	1	7	1	1	24	1	1	18	2	1	5	1	1	1	1	1	12	1	1	7	1	1	13	1	1	2	1
8	1	11	1	1	1	1	1	1	1	1	3	1	1	11	1	1	4	1	1	1	1	1	5	1	1	1	1
9	1	1	1	1	24	1	1	19	1	1	7	1	1	1	1	1	1	1	1	4	1	1	1	1	1	6	1
10	1	12	3	1	24	1	1	30	3	1	2	1	1	9	2	1	8	3	1	1	1	1	12	3	1	15	2
11	1	1	1	1	12	3	1	18	2	1	34	3	1	11	2	1	42	1	1	12	2	1	4	1	1	4	1
12	1	13	2	1	27	3	1	3	1	1	2	1	1	7	1	1	7	1	1	1	1	1	10	3	1	1	1
13	1	19	1	1	4	1	1	25	3	1	9	2	1	13	2	1	6	1	1	10	2	1	6	2	2	9	4
14	1	7	2	1	28	3	1	27	2	1	1	1	1	3	1	1	22	1	1	9	2	1	6	2	1	5	1
15	1	24	3	1	32	2	1	3	1	1	18	3	1	13	4	1	10	3	1	2	1	1	18	2	1	14	3
16	1	3	2	1	6	2	1	20	3	1	40	3	1	15	3	1	7	1	1	10	3	1	5	2	1	3	1
17	1	13	3	1	21	3	1	27	3	1	2	1	1	4	1	1	5	2	1	1	1	1	22	2	1	20	4
18	1	13	2	1	21	4	1	23	3	1	12	3	1	43	4	1	9	3	1	19	2	1	5	2	1	2	1
19	1	8	3	1	3	1	1	4	1	1	2	1	1	3	1	1	1	1	1	13	2	1	18	4	1	23	3
20	1	13	2	2	20	8	1	25	4	2	13	6	5	20	10	1	9	3	1	5	2	1	3	1	1	2	1
21	1	14	3	1	2	1	1	22	1	1	3	1	1	7	2	1	2	1	1	21	2	1	10	4	1	17	3
22	1	14	2	1	18	4	1	14	2	1	37	4	1	20	4	1	23	3	1	7	2	1	3	1	1	3	1
23	1	12	4	1	37	6	1	23	7	1	6	2	1	8	3	1	3	1	1	21	5	1	14	5	1	14	4
24	1	30	6	1	13	3	1	26	6	1	34	6	1	19	6	1	18	4	1	6	2	1	16	5	1	26	1
25	1	6	2	2	29	7	1	9	3	1	27	5	1	31	5	1	42	5	1	23	5	1	7	2	1	22	5
26	4	28	9	1	32	8	2	26	6	1	11	4	2	45	6	1	7	2	1	29	2	1	23	8	1	26	6
27	1	31	8	1	15	5	2	39	15	1	45	11	1	33	7	1	30	10	1	33	7	1	7	3	1	13	6
28	2	14	6	2	28	11	2	31	4	2	6	4	3	17	8	1	22	7	1	26	9	2	25	8	1	28	10
29	3	29	12	1	37	7	2	32	9	4	31	11	2	39	15	1	9	3	1	7	3	1	24	7	1	31	7
30	1	5	2	2	24	8	9	32	18	2	43	11	1	12	5	1	35	7	3	21	9	1	11	4	1	13	5
31	2	26	8	1	25	9	1	29	5	1	12	3	1	22	9	1	19	3	1	5	1	1	18	8	1	24	4
Monthly Min/Max/Avg	1	31	3	1	37	3	1	39	4	1	45	3	1	45	3	1	42	3	1	33	2	1	25	3	1	31	3

NOTES: '--' indicates filter offline

1.2.8 Rosedale Filters 1 - 9 Turbidity (NTU)

July 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	0.04	0.05	0.04	0.04	0.05	0.04	0.04	0.06	0.05	0.02	0.03	0.02	0.03	0.05	0.03	0.03	0.04	0.03	0.02	0.03	0.03	0.03	0.06	0.04	--	--	--
2	0.02	0.04	0.02	0.03	0.07	0.04	0.01	0.04	0.02	0.01	0.07	0.03	0.02	0.04	0.03	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.03	0.02	0.02	0.07	0.03
3	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.03	0.02	0.03	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.02
4	0.02	0.03	0.03	0.03	0.03	0.03	--	--	--	0.01	0.01	0.01	0.02	0.03	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.01	0.02	0.01
5	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.03	0.02	--	--	--	0.02	0.04	0.02	0.01	0.02	0.02	0.01	0.03	0.01	0.02	0.02	0.02	0.02	0.04	0.03
6	0.02	0.02	0.02	--	--	--	0.02	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.04	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02
7	0.02	0.03	0.02	0.03	0.04	0.03	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.04	0.03	0.02	0.04	0.03	0.01	0.02	0.02	0.02	0.02	0.04	0.03	0.02	0.02
8	0.02	0.04	0.02	0.03	0.03	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02
9	0.02	0.02	0.02	0.03	0.05	0.03	0.01	0.03	0.02	0.01	0.03	0.01	0.02	0.04	0.02	0.01	0.02	0.01	0.02	0.04	0.02	0.02	0.02	0.02	0.02	0.03	0.02
10	0.02	0.03	0.02	0.03	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02
11	0.02	0.02	0.02	0.03	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.04	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02
12	0.02	0.04	0.02	0.03	0.03	0.03	0.01	0.03	0.02	0.01	0.02	0.01	0.02	0.04	0.02	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.04	0.04	0.04
13	0.02	0.02	0.02	0.03	0.04	0.03	0.01	0.02	0.01	0.01	0.03	0.02	--	--	--	0.01	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.04	0.02
14	0.02	0.06	0.02	0.03	0.05	0.03	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.05	0.03	0.02	0.05	0.02	0.02	0.03	0.02	0.02	0.04	0.02	0.01	0.03	0.02
15	0.02	0.02	0.02	0.03	0.05	0.03	0.01	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	--	--	--
16	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0.03	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
17	0.02	0.03	0.02	0.02	0.05	0.03	0.01	0.01	0.01	0.01	0.08	0.02	0.02	0.04	0.03	0.01	0.04	0.01	0.01	0.04	0.02	0.02	0.02	0.02	0.01	0.02	0.02
18	0.02	0.04	0.02	0.02	0.03	0.03	0.01	0.02	0.01	0.01	0.05	0.02	0.02	0.03	0.02	0.01	0.05	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.03	0.01
19	0.02	0.05	0.02	0.03	0.05	0.03	0.01	0.03	0.01	0.01	0.05	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.02	--	--	--	--	--	--
20	0.02	0.02	0.02	0.03	0.04	0.03	0.01	0.04	0.01	0.02	0.03	0.03	0.02	0.03	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.04	0.02
21	0.02	0.02	0.02	--	--	--	0.01	0.08	0.01	0.01	0.02	0.01	0.02	0.05	0.03	0.01	0.05	0.02	--	--	--	0.02	0.02	0.02	0.01	0.02	0.02
22	0.02	0.04	0.02	--	--	--	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.01	--	--	--	0.01	0.03	0.02	0.01	0.02	0.01
23	0.02	0.02	0.02	0.03	0.05	0.03	0.01	0.03	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.02	0.02	0.02	0.03	0.03
24	0.02	0.03	0.02	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.03	0.01	0.02	0.03	0.02	0.01	0.05	0.02	0.02	0.02	0.02	0.02	0.05	0.02	0.01	0.02	0.02
25	--	--	--	0.03	0.04	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.04	0.03	0.01	0.03	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02
26	0.02	0.03	0.02	0.03	0.03	0.03	--	--	--	--	--	--	0.02	0.04	0.02	--	--	--	0.02	0.02	0.02	--	--	--	0.02	0.07	0.02
27	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.01	0.02	0.02	--	--	--	0.01	0.02	0.02
28	0.02	0.03	0.03	0.03	0.04	0.03	0.01	0.02	0.01	0.01	0.01	0.01	--	--	--	0.01	0.02	0.02	--	--	--	0.02	0.04	0.03	0.02	0.02	0.02
29	0.02	0.04	0.02	--	--	--	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.03	0.01	0.02	0.02	0.04	0.04	0.04	0.02	0.02	0.02	0.01	0.02	0.02
30	0.02	0.03	0.02	0.03	0.05	0.04	0.01	0.01	0.01	--	--	--	0.02	0.03	0.02	0.02	0.04	0.02	0.03	0.04	0.03	0.02	0.02	0.02	--	--	--
31	0.02	0.04	0.02	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.04	0.02	0.02	0.02	0.02	0.05	0.06	0.06	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.05	0.03
Monthly Min/Max/Avg	0.02	0.06	0.02	0.02	0.07	0.03	0.01	0.08	0.01	0.01	0.08	0.01	0.02	0.05	0.02	0.01	0.06	0.02	0.01	0.04	0.02	0.01	0.06	0.02	0.01	0.07	0.02

NOTES: ' -- ' indicates filter offline

1.2.9 E.L. Smith Filters 1 - 9 Turbidity (NTU)

July 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	0.01	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.00	0.02	0.00	--	--	--	0.01	0.04	0.01	0.02	0.05	0.02	0.01	0.01	0.00
2	0.01	0.01	0.01	0.01	0.06	0.02	0.01	0.01	0.00	0.02	0.06	0.02	0.01	0.01	0.01	--	--	--	0.01	0.01	0.01	0.01	0.03	0.02	0.01	0.04	0.01
3	0.01	0.04	0.02	0.01	0.02	0.01	0.00	0.04	0.00	0.01	0.02	0.02	0.00	0.02	0.01	--	--	--	0.01	0.01	0.01	0.01	0.04	0.03	0.01	0.01	0.00
4	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	--	--	--	0.01	0.03	0.00	0.02	0.04	0.02	0.01	0.03	0.01
5	0.01	0.01	0.01	0.01	0.03	0.01	0.01	0.04	0.00	0.02	0.06	0.02	0.01	0.02	0.00	--	--	--	0.01	0.02	0.00	0.01	0.02	0.01	0.01	0.01	0.01
6	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	--	--	--	0.01	0.01	0.01	0.01	0.04	0.02	0.00	0.02	0.01
7	0.01	0.01	0.01	0.02	0.03	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.01	0.01	0.01	--	--	--	0.01	0.04	0.00	0.01	0.02	0.01	0.01	0.01	0.01
8	0.01	0.04	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.02	0.02	0.02	0.01	0.02	0.00	--	--	--	0.01	0.01	0.00	0.02	0.05	0.02	0.01	0.03	0.01
9	0.01	0.02	0.01	0.01	0.04	0.02	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.01	0.01	--	--	--	0.01	0.04	0.00	0.01	0.06	0.02	0.01	0.02	0.01
10	0.01	0.01	0.01	0.02	0.03	0.02	0.00	0.03	0.00	0.02	0.02	0.02	0.01	0.02	0.00	--	--	--	0.01	0.01	0.01	0.02	0.03	0.02	0.01	0.05	0.01
11	0.01	0.04	0.01	0.02	0.02	0.02	0.01	0.04	0.00	0.02	0.05	0.02	0.01	0.01	0.00	--	--	--	0.01	0.04	0.01	0.02	0.07	0.02	0.01	0.02	0.01
12	0.01	0.01	0.01	0.01	0.04	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.01	0.02	0.01	--	--	--	0.01	0.01	0.01	0.02	0.04	0.02	0.00	0.04	0.01
13	0.01	0.03	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.02	0.02	0.02	0.01	0.02	0.00	--	--	--	0.01	0.05	0.01	0.02	0.06	0.02	0.01	0.01	0.01
14	0.01	0.01	0.01	0.02	0.05	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.01	0.02	0.00	--	--	--	0.01	0.04	0.01	0.01	0.02	0.02	0.01	0.05	0.01
15	0.01	0.04	0.01	0.02	0.04	0.02	0.00	0.04	0.00	0.02	0.07	0.02	0.01	0.01	0.00	--	--	--	0.01	0.00	0.00	0.02	0.06	0.02	0.01	0.05	0.00
16	0.01	0.07	0.01	0.02	0.05	0.02	0.00	0.02	0.00	0.02	0.02	0.02	0.01	0.03	0.01	--	--	--	0.01	0.04	0.01	0.02	0.05	0.02	0.01	0.01	0.00
17	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.03	0.00	0.02	0.04	0.02	0.01	0.01	0.01	--	--	--	0.01	0.04	0.00	0.02	0.02	0.02	0.01	0.03	0.01
18	0.01	0.04	0.01	0.02	0.04	0.02	0.01	0.01	0.00	0.02	0.04	0.02	0.01	0.02	0.00	--	--	--	0.01	0.02	0.00	0.02	0.05	0.02	0.01	0.01	0.01
19	0.01	0.05	0.01	0.02	0.04	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.01	0.01	0.01	--	--	--	0.01	0.04	0.01	0.02	0.05	0.02	0.01	0.04	0.01
20	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.02	0.02	0.02	0.00	0.02	0.01	--	--	--	0.01	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.01
21	0.01	0.03	0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.01	0.00	--	--	--	0.01	0.03	0.01	0.02	0.03	0.02	0.01	0.03	0.00
22	0.01	0.02	0.01	0.02	0.04	0.02	0.01	0.03	0.00	0.02	0.02	0.02	0.01	0.01	0.01	--	--	--	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.01	0.01
23	0.01	0.03	0.02	0.01	0.04	0.02	0.01	0.01	0.01	0.02	0.05	0.02	0.01	0.03	0.00	--	--	--	0.01	0.03	0.01	0.02	0.05	0.02	0.01	0.03	0.00
24	0.01	0.03	0.01	0.01	0.02	0.02	0.00	0.02	0.00	0.02	0.02	0.02	0.01	0.02	0.00	--	--	--	0.01	0.03	0.01	0.02	0.03	0.02	0.01	0.03	0.00
25	0.01	0.02	0.01	0.01	0.04	0.02	0.01	0.02	0.00	0.02	0.04	0.02	0.01	0.03	0.01	--	--	--	0.01	0.04	0.00	0.02	0.04	0.02	0.01	0.01	0.01
26	0.01	0.04	0.01	0.01	0.04	0.02	0.01	0.01	0.00	0.02	0.05	0.02	0.00	0.02	0.00	--	--	--	0.01	0.03	0.01	0.02	0.02	0.02	0.01	0.03	0.01
27	0.01	0.02	0.01	0.02	0.05	0.02	0.00	0.03	0.01	0.02	0.03	0.02	0.01	0.02	0.00	--	--	--	0.01	0.04	0.00	0.02	0.05	0.02	0.01	0.04	0.00
28	0.01	0.04	0.02	0.01	0.05	0.02	0.01	0.05	0.00	0.02	0.05	0.03	0.01	0.01	0.00	--	--	--	0.01	0.03	0.00	0.02	0.06	0.03	0.01	0.01	0.00
29	0.01	0.01	0.01	0.02	0.03	0.02	0.00	0.03	0.01	0.02	0.03	0.02	0.01	0.01	0.01	--	--	--	0.01	0.05	0.01	0.01	0.04	0.02	0.01	0.05	0.01
30	0.01	0.04	0.02	0.02	0.07	0.02	0.00	0.04	0.00	0.02	0.08	0.03	0.01	0.02	0.00	--	--	--	0.01	0.01	0.01	0.02	0.05	0.03	0.01	0.03	0.01
31	0.01	0.02	0.01	0.01	0.04	0.02	0.01	0.04	0.00	0.02	0.03	0.02	0.01	0.08	0.00	--	--	--	0.01	0.04	0.01	0.01	0.03	0.02	0.00	0.03	0.01
Monthly Min/Max/Avg	0.01	0.07	0.01	0.01	0.07	0.02	0.01	0.05	0.00	0.01	0.08	0.02	0.01	0.08	0.00	--	--	--	0.01	0.05	0.00	0.01	0.07	0.02	0.01	0.05	0.00

NOTES: ' -- ' indicates filter offline

1.2.10 E.L. Smith Filters 10 - 18 Turbidity (NTU)

July 2026

Filter	10			11			12			13			14			15			16			17			18		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	0.02	0.07	0.02	0.01	0.06	0.01	0.00	0.04	0.01	0.03	0.07	0.03	0.04	0.07	0.04	0.04	0.05	0.05	0.04	0.05	0.04	--	--	--	0.03	0.03	0.03
2	0.02	0.02	0.02	0.01	0.04	0.00	0.00	0.02	0.00	0.03	0.05	0.03	0.03	0.04	0.04	0.05	0.07	0.05	0.03	0.06	0.04	--	--	--	0.03	0.07	0.03
3	0.02	0.05	0.02	0.01	0.01	0.01	0.00	0.03	0.01	0.03	0.03	0.03	0.03	0.07	0.04	0.04	0.05	0.04	0.04	0.07	0.04	0.04	0.07	0.04	0.03	0.03	0.03
4	0.02	0.05	0.03	0.01	0.05	0.00	0.00	0.01	0.00	0.03	0.06	0.03	0.03	0.04	0.04	--	--	--	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.05	0.03
5	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.00	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.07	0.05	0.03	0.06	0.04	0.04	0.07	0.04	0.03	0.04	0.03
6	0.02	0.02	0.02	0.01	0.03	0.00	0.01	0.00	0.01	0.03	0.05	0.03	0.03	0.06	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03
7	0.02	0.05	0.02	0.01	0.04	0.00	0.00	0.04	0.01	0.03	0.07	0.03	0.03	0.04	0.04	0.05	0.07	0.05	0.03	0.07	0.04	0.05	0.07	0.05	0.03	0.03	0.03
8	0.02	0.06	0.02	0.01	0.00	0.01	0.00	0.02	0.00	0.03	0.04	0.03	0.04	0.07	0.04	0.05	0.07	0.05	0.03	0.04	0.04	0.04	0.07	0.05	0.03	0.03	0.03
9	0.01	0.02	0.02	0.01	0.04	0.00	0.00	0.04	0.01	0.03	0.07	0.03	0.03	0.04	0.04	0.04	0.05	0.04	0.03	0.06	0.04	0.04	0.04	0.04	0.02	0.06	0.03
10	0.02	0.06	0.02	0.01	0.05	0.00	0.00	0.06	0.01	0.03	0.03	0.03	0.04	0.07	0.04	0.04	0.08	0.05	0.03	0.04	0.04	0.04	0.07	0.05	0.02	0.06	0.03
11	0.02	0.02	0.02	0.01	0.03	0.00	0.00	0.05	0.01	0.03	0.07	0.04	0.02	0.07	0.04	0.05	0.07	0.05	0.04	0.07	0.04	0.04	0.05	0.04	0.03	0.04	0.03
12	0.02	0.06	0.02	0.01	0.08	0.01	0.00	0.01	0.00	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.08	0.05	0.02	0.03	0.03
13	0.02	0.06	0.02	0.01	0.01	0.01	0.00	0.05	0.01	0.03	0.07	0.04	0.03	0.07	0.04	0.04	0.08	0.05	0.03	0.07	0.04	0.04	0.06	0.05	0.03	0.05	0.04
14	0.02	0.04	0.02	0.01	0.06	0.00	0.00	0.05	0.01	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.03	0.07	0.04	0.04	0.07	0.05	0.03	0.04	0.03
15	0.02	0.06	0.02	0.01	0.06	0.00	0.00	0.01	0.00	0.02	0.06	0.04	0.03	0.07	0.04	0.04	0.08	0.05	0.03	0.04	0.04	0.04	0.07	0.04	0.03	0.07	0.03
16	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.04	0.01	0.03	0.07	0.04	0.03	0.07	0.04	0.05	0.08	0.05	0.04	0.07	0.04	0.04	0.05	0.04	0.02	0.03	0.03
17	0.02	0.06	0.02	0.01	0.04	0.00	0.00	0.04	0.01	0.03	0.04	0.03	0.02	0.04	0.03	0.05	0.06	0.05	0.03	0.04	0.03	0.04	0.07	0.04	0.03	0.05	0.03
18	0.02	0.06	0.02	0.01	0.04	0.00	0.00	0.07	0.01	0.03	0.07	0.04	0.02	0.07	0.04	0.05	0.08	0.05	0.04	0.07	0.04	0.04	0.05	0.04	0.02	0.03	0.03
19	0.02	0.04	0.02	0.01	0.01	0.01	0.00	0.02	0.00	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.03	0.07	0.04	0.04	0.07	0.05	0.03	0.07	0.04
20	0.02	0.06	0.03	0.01	0.04	0.01	0.00	0.04	0.01	0.03	0.06	0.04	0.04	0.07	0.05	0.05	0.08	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03
21	0.02	0.05	0.02	0.01	0.03	0.01	0.00	0.04	0.00	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.04	0.03	0.07	0.04	0.04	0.07	0.05	0.02	0.05	0.03
22	0.02	0.06	0.02	0.01	0.03	0.00	0.00	0.08	0.01	0.02	0.07	0.03	0.03	0.07	0.04	0.05	0.07	0.05	0.03	0.04	0.04	0.04	0.04	0.04	0.02	0.03	0.02
23	0.02	0.04	0.02	0.01	0.05	0.01	0.00	0.04	0.01	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.03	0.07	0.04	0.04	0.07	0.05	0.02	0.06	0.03
24	0.02	0.05	0.02	0.01	0.02	0.01	0.00	0.04	0.01	0.03	0.07	0.04	0.03	0.07	0.04	0.05	0.07	0.05	0.03	0.04	0.04	0.04	0.07	0.05	0.02	0.06	0.03
25	0.02	0.07	0.02	0.01	0.04	0.00	0.00	0.02	0.00	0.03	0.07	0.03	0.04	0.07	0.04	0.04	0.08	0.05	0.03	0.07	0.04	0.04	0.05	0.04	0.02	0.06	0.03
26	0.02	0.06	0.03	0.01	0.04	0.00	0.00	0.04	0.01	0.03	0.04	0.03	0.04	0.05	0.04	0.05	0.05	0.05	0.03	0.08	0.04	0.04	0.07	0.05	0.02	0.05	0.03
27	0.02	0.06	0.02	0.01	0.00	0.01	0.00	0.05	0.01	0.03	0.07	0.04	0.04	0.07	0.04	0.05	0.08	0.05	0.04	0.06	0.04	0.04	0.05	0.04	0.02	0.04	0.03
28	0.02	0.05	0.02	0.01	0.04	0.00	0.00	0.05	0.00	0.02	0.08	0.03	0.04	0.05	0.04	0.05	0.08	0.05	0.04	0.07	0.04	0.04	0.07	0.05	0.02	0.06	0.03
29	0.02	0.06	0.03	0.01	0.05	0.01	0.00	0.05	0.01	0.03	0.07	0.04	0.04	0.07	0.05	0.05	0.05	0.05	0.03	0.04	0.04	0.04	0.08	0.05	0.02	0.06	0.03
30	0.02	0.02	0.02	0.01	0.02	0.00	0.01	0.05	0.02	0.03	0.07	0.05	0.04	0.04	0.04	0.05	0.08	0.05	0.04	0.07	0.04	0.04	0.05	0.04	0.02	0.03	0.02
31	0.02	0.06	0.02	0.01	0.04	0.01	0.00	0.05	0.01	0.03	0.05	0.03	0.04	0.07	0.04	0.04	0.08	0.05	0.03	0.04	0.03	0.04	0.07	0.05	0.02	0.05	0.02
Monthly Min/Max/Avg	0.01	0.07	0.02	0.01	0.08	0.00	0.01	0.08	0.01	0.02	0.08	0.03	0.02	0.07	0.04	0.04	0.08	0.05	0.03	0.08	0.04	0.04	0.08	0.04	0.02	0.07	0.03

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

July 2026

Day	Rossdale						E.L. Smith					
	Particle Counts (no./mL,>2um)			Turbidity (NTU)			Particle Counts (no./mL,>2um)			Turbidity (NTU)		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	2	5	4	0.04	0.11	0.05	1	6	2	0.02	0.02	0.02
2	1	5	2	0.03	0.09	0.04	1	3	1	0.01	0.02	0.02
3	1	4	1	0.03	0.04	0.03	1	4	1	0.02	0.02	0.02
4	1	5	1	0.03	0.06	0.03	1	4	1	0.01	0.02	0.02
5	1	4	1	0.03	0.04	0.03	1	3	1	0.02	0.02	0.02
6	1	3	1	0.03	0.05	0.03	1	3	1	0.01	0.02	0.02
7	1	3	1	0.03	0.06	0.03	1	4	1	0.01	0.02	0.02
8	1	1	1	0.03	0.05	0.03	1	2	1	0.02	0.02	0.02
9	1	3	1	0.03	0.05	0.03	1	2	1	0.01	0.02	0.02
10	1	3	1	0.03	0.07	0.03	1	4	2	0.02	0.02	0.02
11	1	3	1	0.03	0.06	0.04	1	4	2	0.01	0.02	0.02
12	1	2	1	0.03	0.06	0.04	1	4	2	0.02	0.02	0.02
13	1	5	1	0.03	0.05	0.03	1	4	2	0.01	0.02	0.02
14	1	4	2	0.03	0.05	0.03	1	5	2	0.02	0.03	0.02
15	1	5	2	0.03	0.03	0.03	1	6	3	0.02	0.02	0.02
16	1	3	2	0.03	0.07	0.03	2	5	2	0.02	0.02	0.02
17	1	3	1	0.03	0.10	0.03	1	4	2	0.02	0.02	0.02
18	1	3	2	0.03	0.09	0.03	2	5	3	0.02	0.03	0.02
19	1	4	2	0.03	0.05	0.03	1	4	2	0.02	0.03	0.02
20	1	5	2	0.03	0.06	0.03	2	5	3	0.02	0.02	0.02
21	2	5	3	0.03	0.06	0.03	1	4	2	0.02	0.02	0.02
22	1	4	2	0.03	0.17	0.03	1	4	2	0.02	0.02	0.02
23	1	10	2	0.03	0.08	0.03	2	7	4	0.02	0.02	0.02
24	1	5	2	0.03	0.05	0.03	2	8	4	0.02	0.02	0.02
25	1	4	2	0.03	0.08	0.06	3	6	4	0.02	0.02	0.02
26	1	12	4	0.03	0.08	0.06	3	8	5	0.02	0.02	0.02
27	1	11	4	0.03	0.12	0.03	5	9	7	0.02	0.03	0.02
28	1	6	4	0.03	0.20	0.04	6	9	7	0.01	0.03	0.02
29	3	10	5	0.03	0.05	0.04	6	11	8	0.02	0.03	0.02
30	4	10	6	0.03	0.05	0.03	5	8	6	0.02	0.03	0.02
31	4	8	5	0.03	0.06	0.03	3	9	5	0.02	0.02	0.02
Monthly Min/Max/Avg	1	12	2	0.03	0.20	0.04	1	11	3	0.01	0.03	0.02

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

July 2026

Filter	1						2						3						Transmittance (%)		
Day	Dosage (mJ/cm ²)			Flow (MLD)			Dosage (mJ/cm ²)			Flow (MLD)			Dosage (mJ/cm ²)			Flow (MLD)			Min	Max	Avg
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total			
1	34.8	36.3	35.4	17.5	18.9	18.0	34.7	36.5	35.5	17.5	18.4	17.8	34.4	36.2	35.4	17.2	18.4	11.7	88.2	89.9	89.1
2	34.7	36.3	35.4	17.3	21.1	18.1	35.0	37.9	36.3	15.7	21.0	7.1	34.5	36.3	35.5	17.1	18.4	17.7	88.6	92.2	90.7
3	35.0	36.1	35.6	20.7	25.3	8.3	34.9	36.3	35.6	20.6	31.1	24.5	34.7	36.5	35.5	17.9	23.7	14.4	92.2	93.2	92.8
4	35.0	36.1	35.5	25.3	25.9	7.8	34.8	36.1	35.5	26.4	30.5	28.9	--	--	--	--	--	--	92.9	93.3	93.0
5	34.6	36.2	35.5	25.0	29.6	26.5	34.9	36.1	35.5	26.6	29.5	3.5	33.9	36.1	35.5	17.1	28.9	24.1	92.0	93.9	92.5
6	35.0	36.8	35.6	23.5	29.7	26.0	--	--	--	--	--	--	34.8	36.2	35.5	25.0	28.5	26.4	92.6	93.9	93.5
7	34.9	36.1	35.6	23.3	25.0	12.6	34.0	40.1	35.5	16.0	25.8	22.7	34.9	36.2	35.5	24.3	25.7	25.1	91.8	92.6	92.4
8	34.9	36.2	35.5	21.0	25.8	14.7	34.8	36.2	35.5	21.7	29.4	25.9	35.0	35.9	35.5	23.8	24.5	1.6	92.0	92.5	92.3
9	35.0	36.1	35.5	23.4	25.3	24.2	34.8	36.1	35.5	23.3	24.8	11.0	34.3	36.1	35.5	18.0	24.0	17.6	92.2	92.4	92.3
10	34.9	36.3	35.5	22.6	24.3	23.4	34.9	36.0	35.5	25.3	25.9	9.0	34.7	36.4	35.5	21.7	23.1	22.4	92.3	93.3	92.7
11	35.1	36.1	35.5	22.2	23.2	2.4	34.8	36.5	35.5	24.3	28.8	25.1	34.8	36.1	35.5	21.6	22.4	6.4	92.4	92.6	92.5
12	34.9	36.3	35.5	20.9	25.8	18.0	34.8	36.8	35.8	24.2	28.8	25.1	34.7	36.5	35.5	18.0	23.9	12.8	92.4	93.1	92.8
13	34.6	36.2	35.5	24.1	29.0	27.0	34.7	36.1	35.5	23.7	25.1	16.5	34.8	36.2	35.5	22.2	23.3	22.6	91.9	93.1	92.4
14	34.7	36.4	35.5	21.4	34.7	20.4	34.4	36.0	35.5	26.9	34.8	11.3	34.7	36.4	35.5	21.8	27.2	22.7	92.0	92.5	92.1
15	34.8	36.1	35.5	20.4	33.7	20.0	34.3	36.1	35.5	24.5	34.1	22.4	34.6	36.2	35.5	18.8	29.2	19.8	92.4	92.5	92.5
16	33.9	36.2	35.5	20.3	24.3	23.3	34.5	36.0	35.5	26.9	29.0	27.8	34.8	36.2	35.5	25.9	27.7	26.7	92.3	92.7	92.5
17	34.9	36.2	35.5	22.0	26.6	23.6	34.8	36.3	35.5	20.5	27.6	17.9	34.6	36.4	35.5	24.1	26.8	25.6	92.3	93.2	92.8
18	34.8	36.2	35.5	21.3	29.2	13.1	34.5	36.7	35.5	20.5	32.1	27.9	34.6	36.5	35.5	23.7	25.3	12.1	93.0	93.8	93.4
19	34.8	36.2	35.5	23.6	29.7	26.1	34.6	36.1	35.5	25.5	26.9	26.1	34.8	36.3	35.5	18.2	23.5	21.0	92.8	93.2	93.0
20	34.9	36.2	35.5	22.2	24.9	24.0	34.8	36.1	35.5	23.2	25.9	24.2	34.6	36.2	35.5	21.4	23.1	22.3	92.8	93.7	93.1
21	34.8	36.2	35.5	21.9	24.1	12.8	--	--	--	--	--	--	34.8	36.5	35.5	21.0	25.2	22.5	92.6	93.7	92.9
22	35.0	37.0	35.5	16.4	25.7	22.0	--	--	--	--	--	--	34.9	36.1	35.5	22.8	23.7	3.0	92.6	93.8	92.9
23	34.9	36.2	35.6	23.5	25.5	24.5	34.7	41.0	35.6	16.2	26.3	12.9	34.8	36.5	35.5	13.9	23.7	8.5	93.5	93.8	93.6
24	34.8	36.4	35.5	22.2	29.8	23.1	34.7	36.3	35.6	21.5	25.5	24.8	34.8	36.2	35.5	20.0	23.4	22.8	92.3	93.7	93.6
25	--	--	--	--	--	--	34.6	36.5	35.6	21.3	25.0	21.3	34.7	36.3	35.4	19.9	22.9	19.7	92.3	93.9	93.3
26	34.6	36.2	35.5	28.0	31.1	28.6	34.8	36.4	35.5	29.0	31.7	29.2	--	--	--	--	--	--	93.4	93.9	93.6
27	35.6	36.2	35.5	28.3	32.3	16.8	35.6	36.0	35.5	27.4	29.6	27.9	34.6	36.1	35.5	27.5	28.9	11.8	93.5	94.0	93.7
28	34.9	36.3	35.6	23.8	27.0	3.5	34.6	36.3	35.5	27.9	31.5	23.2	35.3	36.1	35.5	23.8	28.5	26.4	90.9	93.7	93.0
29	34.7	36.4	35.5	23.9	33.9	27.2	--	--	--	--	--	--	34.3	36.4	35.5	20.0	30.6	25.5	93.2	94.0	93.5
30	34.7	36.2	35.5	25.5	32.8	29.2	34.9	42.6	35.7	16.0	26.0	9.7	34.7	36.2	35.5	23.9	29.7	27.0	93.2	93.7	93.4
31	34.8	36.3	35.5	24.6	29.3	26.4	34.7	36.1	35.5	25.6	34.0	27.4	34.9	35.9	35.5	22.7	24.3	1.6	93.3	93.8	93.6
Monthly Total						591.4						551.3						521.8			
Monthly Min/Max/Avg	33.9	37.0	35.5	16.4	34.7		34.0	42.6	35.6	15.7	34.8		33.9	36.5	35.5	13.9	30.6		88.2	94.0	92.8

NOTES: - Each filter has a UV reactor
- Transmittance (%) is a grab sample of the filter effluent prior to the UV reactor of a random online filter
' -- ' indicates filter and UV reactor offline

1.2.13 Rossdale UV Disinfection - Filters 4 - 6

July 2026

Filter	4						5						6						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	35.1	37.2	35.7	17.2	17.8	5.9	34.6	36.5	35.5	16.5	17.4	16.8	35.1	36.1	35.5	17.4	18.1	17.7	88.2	89.9	89.1
2	35.1	36.7	35.7	13.8	18.7	14.6	34.6	36.4	35.5	16.6	17.3	10.2	34.4	36.7	35.6	17.4	21.4	17.4	88.6	92.2	90.7
3	34.9	36.8	35.7	17.9	28.3	21.7	35.0	36.0	35.6	20.4	29.1	14.9	35.2	35.9	35.6	21.8	27.8	9.0	92.2	93.2	92.8
4	35.0	36.7	35.7	26.3	27.8	18.9	35.0	36.4	35.6	25.7	27.4	26.7	35.1	36.0	35.6	24.1	27.2	26.4	92.9	93.3	93.0
5	--	--	--	--	--	--	34.9	36.2	35.6	26.2	28.1	27.4	35.1	36.0	35.6	25.3	26.9	26.3	92.0	93.9	92.5
6	34.3	37.8	35.7	18.0	23.3	10.1	35.2	35.9	35.5	26.1	27.5	1.0	34.9	36.1	35.6	25.0	31.4	15.0	92.6	93.9	93.5
7	34.9	36.7	35.7	22.0	23.2	22.6	34.8	36.1	35.5	20.0	24.8	10.4	35.2	36.0	35.6	21.0	22.0	4.4	91.8	92.6	92.4
8	34.8	36.6	35.6	21.6	26.7	25.0	34.9	36.3	35.5	22.0	27.5	24.8	35.1	36.1	35.6	21.0	31.5	28.0	92.0	92.5	92.3
9	33.9	36.1	35.5	18.0	27.2	20.0	35.0	36.7	35.6	21.3	26.1	12.8	35.0	36.0	35.6	24.1	30.3	27.0	92.2	92.4	92.3
10	34.8	36.1	35.5	24.2	25.8	25.0	34.9	36.3	35.5	24.1	24.8	13.4	35.1	36.0	35.5	24.0	24.9	10.9	92.3	93.3	92.7
11	34.7	36.7	35.7	23.3	24.9	24.0	33.2	36.4	35.5	22.8	24.7	23.6	35.1	38.8	35.6	21.5	27.3	23.1	92.4	92.6	92.5
12	35.0	37.2	36.1	19.1	24.8	4.3	34.7	36.2	35.4	22.7	24.6	23.0	35.1	36.0	35.6	24.1	28.3	26.9	92.4	93.1	92.8
13	34.9	36.2	35.6	23.0	23.8	6.9	--	--	--	--	--	--	35.0	36.7	35.6	24.3	25.8	25.1	91.9	93.1	92.4
14	33.2	36.1	35.5	23.2	34.1	27.5	35.0	36.1	35.5	20.1	29.0	17.0	34.2	36.1	35.5	21.6	32.5	20.9	92.0	92.5	92.1
15	34.6	36.0	35.5	30.2	33.9	31.8	35.0	36.3	35.5	21.8	31.2	29.5	35.1	36.0	35.6	21.1	28.5	12.9	92.4	92.5	92.5
16	35.0	36.0	35.5	28.9	30.8	4.9	34.9	36.3	35.6	26.3	29.5	27.5	34.5	36.2	35.5	26.0	28.2	27.0	92.3	92.7	92.5
17	34.7	42.0	35.6	13.6	28.2	21.4	34.9	36.6	35.6	18.1	28.8	12.0	35.1	36.0	35.6	25.8	31.8	21.8	92.3	93.2	92.8
18	34.7	36.9	35.6	25.5	29.5	27.4	34.6	36.3	35.5	26.1	29.1	27.7	34.4	42.9	38.5	15.7	27.2	14.5	93.0	93.8	93.4
19	34.8	36.0	35.5	27.6	30.1	7.7	34.8	36.2	35.5	25.0	29.1	26.4	35.1	36.0	35.6	25.3	31.7	27.6	92.8	93.2	93.0
20	35.0	44.2	37.2	13.7	22.8	1.5	34.9	36.2	35.6	23.8	25.4	15.6	35.2	36.0	35.6	24.2	26.4	25.5	92.8	93.7	93.1
21	34.9	36.8	35.7	21.9	23.7	22.5	34.6	38.3	35.6	15.1	25.7	18.3	35.2	36.0	35.6	24.2	33.9	20.2	92.6	93.7	92.9
22	34.7	36.7	35.7	21.3	25.7	21.7	34.7	36.5	35.5	22.8	23.8	23.1	35.0	36.5	35.6	24.8	26.4	25.3	92.6	93.8	92.9
23	34.9	36.8	35.7	24.1	26.0	22.5	34.8	36.7	35.6	21.9	23.3	22.6	34.4	36.1	35.6	24.5	26.0	25.3	93.5	93.8	93.6
24	34.7	37.4	35.7	18.3	23.5	14.6	34.8	36.1	35.6	21.4	22.2	7.6	34.1	42.5	36.3	16.2	26.9	14.3	92.3	93.7	93.6
25	34.5	36.9	35.6	20.7	26.7	20.6	34.9	40.1	35.5	15.1	24.9	6.0	34.2	36.4	35.5	20.5	27.0	22.7	92.3	93.9	93.3
26	--	--	--	--	--	--	34.9	36.3	35.6	27.4	32.2	29.1	--	--	--	--	--	--	93.4	93.9	93.6
27	34.9	36.6	35.6	22.7	28.3	11.1	35.9	36.1	35.5	28.4	30.1	16.1	35.1	36.0	35.6	26.9	34.6	13.7	93.5	94.0	93.7
28	36.0	36.7	35.6	23.7	27.9	26.4	--	--	--	--	--	--	35.7	36.7	35.5	19.2	34.1	29.8	90.9	93.7	93.0
29	34.9	36.7	35.7	22.9	25.2	17.2	34.9	36.3	35.5	21.1	32.7	12.5	35.1	36.3	35.6	21.2	33.9	26.6	93.2	94.0	93.5
30	--	--	--	--	--	--	34.9	36.2	35.6	25.4	31.4	28.1	35.1	35.9	35.6	26.2	32.3	4.6	93.2	93.7	93.4
31	35.0	37.9	35.7	18.0	28.1	22.4	34.9	36.3	35.6	23.5	29.0	25.2	35.4	35.9	35.6	27.1	27.8	0.6	93.3	93.8	93.6
Monthly Total						500.3						549.4						590.3			
Monthly Min/Max/ Avg	33.2	44.2	35.7	13.6	34.1		33.2	40.1	35.5	15.1	32.7		34.1	42.9	35.7	15.7	34.6		88.2	94.0	92.8

NOTES: - Each filter has a UV reactor
 - Transmittance (%) is a grab sample of the filter effluent prior to the UV reactor of a random online filter
 ' -- ' indicates filter and UV reactor offline

1.2.14 Rossdale UV Disinfection - Filters 7 - 9

July 2026

Filter	7						8						9						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	35.0	36.3	35.5	17.1	18.0	17.4	34.8	36.1	35.5	18.1	19.4	18.7	--	--	--	--	--	--	88.2	89.9	89.1
2	34.9	36.3	35.6	15.8	21.2	3.9	35.0	36.1	35.6	18.0	21.3	18.7	34.8	36.9	35.5	16.9	22.4	16.9	88.6	92.2	90.7
3	34.7	36.4	35.6	20.9	31.6	24.8	35.0	36.0	35.6	20.8	26.9	12.2	34.6	36.3	35.5	21.6	27.3	24.5	92.2	93.2	92.8
4	34.4	36.2	35.5	23.3	30.4	27.5	35.0	36.1	35.6	20.4	27.3	20.3	34.4	36.1	35.5	23.8	26.3	6.0	92.9	93.3	93.0
5	34.6	36.1	35.5	27.8	30.3	19.2	34.1	36.1	35.6	25.5	27.2	26.5	34.6	36.2	35.5	26.2	27.7	9.7	92.0	93.9	92.5
6	34.3	39.3	35.6	25.3	26.6	25.2	35.1	36.2	35.6	23.5	31.9	25.5	34.2	36.4	35.5	24.8	27.9	26.1	92.6	93.9	93.5
7	34.3	36.2	35.6	24.7	26.5	25.8	35.1	36.0	35.6	23.7	26.8	2.7	34.2	36.2	35.5	24.9	27.7	26.4	91.8	92.6	92.4
8	34.4	36.2	35.5	24.1	30.0	28.0	34.9	36.1	35.6	23.1	32.0	27.6	33.9	36.2	35.5	23.8	29.9	11.3	92.0	92.5	92.3
9	34.7	36.1	35.6	25.3	29.6	17.2	35.0	36.1	35.6	22.4	29.4	25.7	34.8	36.3	35.5	21.5	27.5	21.3	92.2	92.4	92.3
10	34.3	36.9	35.5	23.7	26.1	25.3	34.9	36.1	35.6	22.3	23.3	14.4	33.4	36.2	35.5	24.2	25.5	24.9	92.3	93.3	92.7
11	34.2	37.0	35.5	23.4	25.2	24.5	35.1	36.1	35.6	20.9	27.4	4.9	34.9	36.2	35.5	23.5	25.4	19.3	92.4	92.6	92.5
12	34.5	37.1	35.5	24.0	26.2	11.4	35.0	36.1	35.5	20.1	27.0	21.4	35.1	35.8	35.5	21.4	21.9	0.4	92.4	93.1	92.8
13	35.4	35.8	35.6	21.6	26.2	0.7	35.0	36.3	35.6	23.3	26.6	25.8	30.8	36.5	35.3	20.6	27.4	25.2	91.9	93.1	92.4
14	32.8	36.4	34.9	25.7	31.8	28.0	34.9	36.0	35.6	24.8	38.0	26.2	35.3	36.1	35.0	17.7	20.7	4.7	92.0	92.5	92.1
15	34.7	36.2	35.6	26.2	30.8	28.7	35.0	36.0	35.6	33.8	37.3	13.8	--	--	--	--	--	--	92.4	92.5	92.5
16	34.9	36.1	35.6	27.4	29.8	15.2	35.0	36.1	35.6	26.0	31.4	26.0	34.9	36.2	35.5	26.4	27.5	12.0	92.3	92.7	92.5
17	35.2	36.2	35.6	20.9	31.6	15.0	34.8	36.0	35.6	27.1	31.0	29.8	34.7	36.2	35.5	25.0	31.2	27.1	92.3	93.2	92.8
18	34.6	36.1	35.6	23.7	32.1	29.3	34.9	36.5	35.6	25.8	29.6	19.9	34.4	36.1	35.6	18.4	31.1	27.8	93.0	93.8	93.4
19	35.1	36.2	35.6	23.0	28.8	25.3	--	--	--	--	--	--	--	--	--	--	--	--	92.8	93.2	93.0
20	35.0	36.0	35.6	24.3	29.1	8.2	35.1	36.0	35.6	21.2	32.5	10.3	34.8	36.3	35.5	21.8	28.0	16.8	92.8	93.7	93.1
21	--	--	--	--	--	--	34.9	36.1	35.6	24.9	27.5	25.9	34.9	36.2	35.5	25.6	29.9	27.3	92.6	93.7	92.9
22	--	--	--	--	--	--	34.9	36.1	35.6	24.5	25.6	25.0	34.9	36.2	35.6	23.7	28.9	27.9	92.6	93.8	92.9
23	35.1	36.2	35.6	21.0	26.6	25.5	35.0	36.1	35.6	24.4	25.4	14.7	34.7	36.1	35.5	21.7	26.4	2.0	93.5	93.8	93.6
24	34.4	36.2	35.6	22.9	30.2	25.6	34.9	36.1	35.6	21.1	27.4	21.6	34.5	36.4	35.5	24.2	27.0	26.4	92.3	93.7	93.6
25	33.6	36.2	35.3	22.8	33.6	19.6	34.9	36.1	35.5	23.3	26.7	22.9	34.6	36.3	35.5	24.2	27.0	23.3	92.3	93.9	93.3
26	33.9	36.8	35.6	29.0	33.0	29.6	--	--	--	--	--	--	33.3	36.2	35.5	22.8	33.0	20.0	93.4	93.9	93.6
27	35.3	36.2	35.4	29.3	30.9	16.6	--	--	--	--	--	--	35.9	36.1	35.5	25.9	34.5	30.5	93.5	94.0	93.7
28	--	--	--	--	--	--	35.6	36.0	35.4	26.0	32.2	7.1	35.4	36.1	35.5	24.8	33.1	30.9	90.9	93.7	93.0
29	--	--	--	--	--	0.0	35.0	36.0	35.6	23.8	36.5	30.5	34.8	37.4	35.6	23.0	28.4	13.8	93.2	94.0	93.5
30	35.0	41.1	35.6	15.8	35.1	28.4	35.0	36.1	35.6	27.2	35.5	31.1	--	--	--	--	--	--	93.2	93.7	93.4
31	35.0	36.1	35.6	27.4	34.6	29.0	35.0	37.0	35.6	25.6	34.5	16.5	34.7	36.0	35.5	21.6	28.6	10.2	93.3	93.8	93.6
Monthly Total						575.1						565.3						512.8			
Monthly Min/Max/ Avg	32.8	41.1	35.5	15.8	35.1		34.1	37.0	35.6	18.0	38.0		30.8	37.4	35.5	16.9	34.5		88.2	94.0	92.8

NOTES: - Each filter has a UV reactor
 - Transmittance (%) is a grab sample of the filter effluent prior to the UV reactor of a random online filter
 ' -- ' indicates filter and UV reactor offline

1.2.15 E.L. Smith UV Disinfection - UV Reactors 1 - 4

July 2026

Filter	1						2						3						4						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Min	Max	Avg
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total			
1	45.9	77.8	56.1	55.8	71.3	65.6	49.3	68.4	55.6	51.6	66.0	60.6	47.5	61.3	53.9	54.7	67.6	63.6	49.2	49.5	49.4	55.7	64.4	61.4	90.2	91.5	90.8
2	58.5	64.2	60.9	51.9	70.7	64.6	63.1	73.9	66.0	48.1	65.9	59.7	60.8	65.6	63.0	52.1	68.3	62.9	49.2	49.6	49.4	56.8	64.1	60.3	91.4	92.1	91.8
3	57.0	63.5	60.4	54.2	73.7	66.1	60.4	68.0	64.6	49.7	68.3	61.0	59.3	65.3	62.4	54.3	70.4	64.4	49.1	49.6	49.4	54.9	66.8	62.0	91.7	92.2	91.9
4	56.5	66.6	59.2	61.9	75.1	70.1	60.3	70.3	63.8	56.2	69.2	64.6	58.3	67.2	61.2	60.1	72.0	67.9	49.1	49.5	49.4	60.3	67.5	65.3	91.6	92.2	91.8
5	59.4	91.8	76.5	60.7	74.0	69.5	48.1	92.4	69.3	56.6	68.7	64.3	60.7	91.1	78.3	59.9	71.9	68.1	49.2	49.6	49.4	58.7	68.1	65.3	92.0	94.4	93.2
6	77.2	90.3	85.1	56.0	73.5	66.6	46.2	69.6	51.2	51.3	68.1	61.4	80.0	92.0	87.6	54.2	71.0	64.8	49.1	49.6	49.4	56.2	65.7	62.3	93.1	94.7	94.0
7	54.0	77.2	64.2	56.2	76.9	66.9	57.8	79.3	68.4	51.3	72.0	61.8	55.5	80.0	66.2	53.5	74.9	65.1	49.2	49.6	49.3	56.8	70.2	62.8	91.8	93.1	92.2
8	51.2	59.2	54.9	65.1	79.3	74.4	53.9	60.7	57.4	59.9	73.3	68.6	52.8	61.4	56.6	63.3	76.5	72.4	49.2	49.7	49.3	62.9	71.7	69.8	91.4	92.0	91.7
9	50.5	71.3	60.9	58.4	97.2	72.9	59.5	76.3	68.8	54.2	71.6	51.0	52.3	76.0	62.9	56.6	91.8	70.7	49.1	49.5	49.3	58.8	86.9	68.3	91.6	92.2	92.0
10	57.4	66.5	60.7	57.1	74.7	68.3	59.5	70.0	63.9	52.5	68.7	62.9	59.2	68.3	62.6	55.2	71.7	65.6	49.1	49.5	49.3	56.7	67.1	64.0	91.5	92.1	91.8
11	57.8	66.0	61.0	57.5	72.8	68.1	60.8	74.6	65.4	51.6	67.9	62.8	60.0	67.8	62.8	54.5	70.5	65.5	49.2	49.6	49.4	60.0	67.5	64.1	91.6	92.0	91.8
12	59.5	66.2	62.7	53.9	72.4	64.8	61.1	72.7	66.4	49.8	66.1	60.0	60.8	67.6	64.3	53.5	69.4	62.6	49.1	49.5	49.3	57.4	65.3	61.0	91.8	92.2	92.0
13	55.3	64.6	61.0	55.2	77.0	65.3	59.9	71.1	64.3	51.4	69.7	60.2	57.8	67.2	63.0	53.3	71.0	62.5	49.2	49.6	49.3	53.4	67.6	61.2	91.2	91.9	91.6
14	54.0	65.2	58.2	59.3	78.6	71.7	58.1	67.3	61.0	56.6	72.0	66.2	55.6	66.0	60.1	59.1	75.3	69.3	49.1	49.5	49.3	65.1	71.8	67.3	91.6	91.9	91.7
15	55.2	63.6	57.8	62.9	81.2	73.8	57.4	66.3	60.4	58.6	74.7	68.1	56.1	65.6	59.5	60.4	77.6	71.4	49.0	49.6	49.3	62.0	72.2	69.4	91.7	91.9	91.8
16	49.9	65.0	56.2	63.3	80.1	74.3	51.4	63.7	59.0	58.0	73.4	68.4	51.0	64.7	58.0	60.2	77.3	71.8	49.0	49.6	49.3	59.8	72.6	69.7	91.5	92.0	91.8
17	55.9	64.3	60.0	63.6	81.0	74.6	57.7	67.9	62.7	59.5	73.5	68.8	57.3	66.1	61.4	62.9	76.1	72.1	49.1	49.4	49.3	62.1	72.7	70.0	91.7	92.8	92.1
18	55.7	72.8	60.5	63.2	80.7	73.7	57.5	76.2	63.5	59.2	72.5	67.8	57.0	76.3	62.4	62.4	75.7	70.7	49.1	49.6	49.3	64.6	71.7	69.6	91.8	92.4	92.1
19	64.5	75.7	69.6	55.9	72.8	65.8	66.5	78.1	72.2	50.3	67.8	60.7	65.8	78.4	71.5	53.7	70.7	63.4	49.2	49.5	49.3	55.0	66.9	61.6	92.2	92.9	92.5
20	67.0	84.1	76.6	43.4	68.8	53.6	51.0	93.5	75.8	49.8	88.9	62.9	55.6	85.9	74.9	52.6	84.4	64.8	49.1	49.5	49.3	53.2	88.1	64.1	92.0	93.5	92.8
21	--	--	--	--	--	--	50.4	59.2	54.4	73.2	88.6	83.1	53.8	65.4	58.3	69.0	84.8	79.3	49.1	49.5	49.3	79.3	87.1	83.5	92.0	92.5	92.2
22	--	--	--	--	--	--	50.5	68.3	58.4	73.2	94.6	85.1	52.7	71.4	62.2	69.8	90.8	81.4	49.2	49.5	49.4	78.9	92.1	86.2	91.9	93.4	92.6
23	57.7	64.4	65.1	66.9	77.5	72.6	49.3	67.9	56.8	61.9	97.4	85.1	49.1	62.1	56.9	72.2	98.5	85.7	49.1	49.5	49.3	65.9	95.9	85.7	92.2	92.8	92.5
24	52.0	69.4	60.6	62.8	81.2	73.5	56.3	77.4	67.3	57.3	74.3	67.8	52.5	68.0	61.5	66.1	85.3	77.5	49.1	49.5	49.3	62.3	74.0	69.0	92.1	92.9	92.6
25	52.4	69.9	60.1	61.8	82.4	76.9	58.8	76.5	66.6	57.0	76.1	70.8	53.4	66.1	60.9	64.7	86.4	80.7	49.0	49.6	49.3	63.6	75.4	72.1	92.1	93.0	92.5
26	58.0	67.9	62.7	61.5	83.8	76.9	64.3	75.0	69.0	57.6	78.2	70.8	60.1	68.5	63.1	64.0	87.2	80.9	49.1	49.5	49.3	59.4	76.2	72.2	92.7	93.5	93.1
27	60.3	76.2	68.7	61.8	80.6	72.4	66.5	80.3	75.0	56.3	71.8	66.8	61.8	77.0	69.5	64.2	82.1	75.9	49.2	49.5	49.3	60.6	70.9	67.9	92.6	93.5	93.1
28	69.6	82.5	75.2	57.5	77.5	68.9	76.0	94.0	82.9	53.1	71.6	63.4	70.5	86.9	75.6	61.5	80.1	72.5	49.1	49.5	49.3	58.2	70.1	64.5	93.5	93.6	93.5
29	53.5	79.2	69.1	58.0	96.3	73.4	51.0	72.2	66.3	55.5	68.8	64.1	57.6	89.0	72.9	57.9	89.5	73.0	49.1	49.5	49.3	56.8	86.3	68.5	92.8	93.6	93.2
30	65.8	79.9	72.8	56.2	75.2	68.0	46.6	57.6	52.1	51.9	68.9	62.8	68.6	105.4	77.9	55.2	71.2	65.6	49.0	49.5	49.3	56.7	67.0	63.8	93.0	93.4	93.2
31	65.6	80.2	72.9	57.6	75.5	69.0	46.6	90.0	62.2	53.7	70.4	63.5	64.7	82.9	74.5	56.9	72.4	66.4	49.1	49.5	49.3	56.9	68.6	64.7	92.8	93.6	93.3
Monthly Total						2,022.3						2,045.3						2,178.6						2,097.4			
Monthly Min/Max/ Avg	45.9	91.8	64.5	43.4	97.2		46.2	94.0	64.2	48.1	97.4		47.5	105.4	65.4	52.1	98.5		49.0	49.7	49.3	53.2	95.9		90.2	94.7	92.4

NOTES: ' -- ' indicates UV reactor offline

- Transmittance (%) is a grab sample of the combined filter effluent prior to the UV reactor

1.2.16 Log Removal

July 2026

Day	Rossdale									E.L. Smith								
	Log Removal									Log Removal								
	Giardia			Virus			Cryptosporidium			Giardia			Virus			Cryptosporidium		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	12.4	14.0	13.2	38	47	44	7.0	7.0	7.0	7.4	7.6	7.5	18	26	22	7.0	7.0	7.0
2	12.0	12.8	12.5	38	46	43	7.0	7.0	7.0	7.4	7.6	7.5	19	23	21	7.0	7.0	7.0
3	11.3	12.5	11.8	27	38	33	7.0	7.0	7.0	7.4	7.5	7.4	17	21	19	7.0	7.0	7.0
4	11.3	12.1	11.7	29	34	31	7.0	7.0	7.0	7.4	7.5	7.5	19	24	21	7.0	7.0	7.0
5	11.7	12.1	11.9	31	33	32	7.0	7.0	7.0	7.4	7.5	7.5	20	23	21	7.0	7.0	7.0
6	11.6	12.4	12.1	29	33	31	7.0	7.0	7.0	7.4	7.5	7.5	19	24	21	7.0	7.0	7.0
7	11.1	12.4	12.0	32	34	33	7.0	7.0	7.0	7.4	7.5	7.4	19	23	20	7.0	7.0	7.0
8	10.9	11.6	11.3	30	35	33	7.0	7.0	7.0	7.4	7.6	7.5	20	26	22	7.0	7.0	7.0
9	11.2	11.9	11.6	35	37	36	7.0	7.0	7.0	7.4	7.5	7.5	20	24	21	7.0	7.0	7.0
10	11.7	12.1	12.0	35	38	37	7.0	7.0	7.0	7.4	7.6	7.5	19	25	21	7.0	7.0	7.0
11	11.9	12.3	12.1	36	40	39	7.0	7.0	7.0	7.5	7.6	7.5	19	24	22	7.0	7.0	7.0
12	11.7	12.1	11.9	34	40	37	7.0	7.0	7.0	7.5	7.7	7.5	20	28	23	7.0	7.0	7.0
13	11.4	12.3	11.9	33	39	36	7.0	7.0	7.0	7.5	7.6	7.5	19	24	22	7.0	7.0	7.0
14	11.2	12.2	11.8	31	39	36	7.0	7.0	7.0	7.5	7.6	7.6	21	26	24	7.0	7.0	7.0
15	7.0	12.5	11.4	33	35	33	7.0	7.0	7.0	7.5	7.7	7.6	22	28	25	7.0	7.0	7.0
16	10.8	11.5	11.1	34	41	38	7.0	7.0	7.0	7.5	7.6	7.6	21	27	24	7.0	7.0	7.0
17	10.9	11.6	11.4	38	41	40	7.0	7.0	7.0	7.5	7.7	7.6	21	28	24	7.0	7.0	7.0
18	10.9	11.7	11.2	35	40	38	7.0	7.0	7.0	7.5	7.7	7.6	22	28	26	7.0	7.0	7.0
19	10.8	13.1	12.1	34	44	39	7.0	7.0	7.0	7.5	7.7	7.6	23	29	26	7.0	7.0	7.0
20	12.1	12.6	12.4	39	43	41	7.0	7.0	7.0	7.6	7.7	7.6	24	29	26	7.0	7.0	7.0
21	11.8	12.9	12.3	33	42	38	7.0	7.0	7.0	7.5	7.7	7.6	21	27	24	7.0	7.0	7.0
22	12.2	13.1	12.6	36	43	39	7.0	7.0	7.0	7.5	7.6	7.6	21	27	24	7.0	7.0	7.0
23	12.4	13.0	12.7	39	42	40	7.0	7.0	7.0	7.5	7.6	7.6	22	26	24	7.0	7.0	7.0
24	11.3	12.9	12.3	34	44	41	7.0	7.0	7.0	7.5	7.7	7.6	20	28	24	7.0	7.0	7.0
25	12.5	13.0	12.7	36	45	39	6.9	7.0	7.0	7.5	7.6	7.6	21	26	24	7.0	7.0	7.0
26	12.1	14.3	12.9	28	34	32	7.0	7.0	7.0	7.5	7.6	7.5	21	26	23	7.0	7.0	7.0
27	11.9	13.7	12.2	29	41	35	7.0	7.0	7.0	7.5	7.6	7.6	22	28	25	7.0	7.0	7.0
28	7.0	12.5	12.1	37	42	36	7.0	7.0	7.0	7.5	7.7	7.6	24	29	25	7.0	7.0	7.0
29	11.5	12.1	11.9	31	42	38	7.0	7.0	7.0	7.5	7.7	7.6	22	29	25	7.0	7.0	7.0
30	11.3	12.3	11.9	31	43	37	7.0	7.0	7.0	7.5	7.6	7.5	21	29	25	7.0	7.0	7.0
31	11.5	12.3	12.1	32	42	39	7.0	7.0	7.0	7.5	7.7	7.6	22	30	26	7.0	7.0	7.0
Monthly Min/Max/Avg	7.0	14.3	12.0	27	47	37	6.9	7.0	7.0	7.4	7.7	7.5	17	30	23	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

July 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	273	273	377	30,914	47,795	78,709	204,998
2	297	296	325	34,205	52,407	86,612	173,664
3	271	269	273	36,122	58,907	95,029	150,389
4	222	221	227	31,683	50,447	82,130	131,296
5	231	229	218	35,761	49,572	85,334	125,967
6	151	151	195	22,392	29,887	52,279	107,407
7	127	127	141	18,474	24,886	43,360	78,645
8	119	119	125	19,629	29,441	49,070	77,196
9	97.6	97.9	121	16,104	21,947	38,051	69,495
10	86.2	86.2	99.1	14,212	17,765	31,977	56,617
11	85.2	85.0	92.2	11,562	17,532	29,094	52,752
12	77.1	77.1	82.4	9,396	15,737	25,133	44,664
13	84.0	84.0	115	10,390	17,502	27,892	62,359
14	94.5	94.6	117	15,490	21,889	37,379	70,379
15	82.6	81.5	99.7	11,901	19,831	31,732	61,978
16	80.5	80.5	101	9,961	23,246	33,206	63,002
17	86.2	86.2	101	10,663	25,507	36,170	62,778
18	81.2	81.5	94.0	10,013	25,215	35,228	58,008
19	75.0	75.0	86.0	9,216	17,378	26,594	47,126
20	73.8	73.8	91.7	9,136	15,226	24,362	49,320
21	106	106	124	13,065	21,781	34,846	66,462
22	107	107	118	13,212	22,022	35,233	65,289
23	83.2	83.7	91.4	12,123	17,257	29,380	54,605
24	69.7	69.2	77.7	11,445	15,639	27,083	49,185
25	65.0	64.5	72.0	9,554	12,219	21,773	47,616
26	65.2	64.8	64.2	7,757	12,174	19,931	42,072
27	56.3	56.4	59.7	6,871	11,320	18,191	37,040
28	63.8	63.8	57.2	7,881	13,015	20,896	33,749
29	54.3	54.3	58.8	6,720	11,759	18,479	34,077
30	55.0	55.0	51.6	6,804	11,907	18,711	29,991
31	50.3	50.3	50.5	6,217	10,880	17,097	29,231
Monthly Total				468,872	742,089	1,210,961	2,237,356
Monthly Avg	112	112	126	15,125	23,938	39,063	72,173

NOTES : ' -- ' indicates system offline

- Liquid alum consumption (kg) at 48.5% by weight (solution delivered to sites at a concentration of 48.5%)
- NSF limit for liquid alum is **194 mg/L**

1.2.18 Primary Polymer (Magnaflow LT 27AG) Chemical Consumption

July 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	0.50	0.50	0.24	27	42	70	63
2	0.50	0.50	0.27	28	43	71	69
3	0.47	0.47	0.26	30	50	80	70
4	0.48	0.48	0.27	33	53	86	76
5	0.50	0.50	0.25	37	52	90	70
6	0.46	0.46	0.28	33	44	77	74
7	0.38	0.38	0.28	27	36	63	74
8	0.40	0.40	0.25	32	48	80	76
9	0.39	0.39	0.27	31	42	74	76
10	0.35	0.35	0.30	28	35	63	84
11	0.35	0.35	0.26	23	35	58	72
12	0.33	0.33	0.20	20	33	53	53
13	0.36	0.36	0.22	22	36	58	58
14	0.37	0.37	0.23	30	42	71	67
15	0.35	0.35	0.23	24	41	66	68
16	0.33	0.33	0.21	20	46	66	63
17	0.34	0.34	0.21	20	49	69	63
18	0.35	0.35	0.21	21	53	73	63
19	0.35	0.35	0.21	21	39	60	56
20	0.32	0.32	0.21	19	32	51	55
21	0.35	0.35	0.20	21	35	56	53
22	0.35	0.35	0.19	21	35	56	51
23	0.35	0.35	0.19	25	35	60	55
24	0.35	0.35	0.19	28	38	66	58
25	0.29	0.29	0.19	20	26	47	61
26	0.28	0.28	0.19	16	25	41	60
27	0.25	0.23	0.19	15	22	36	57
28	0.25	0.23	0.19	15	23	38	55
29	0.25	0.25	0.18	15	26	41	51
30	0.25	0.25	0.15	15	26	41	42
31	0.25	0.25	0.15	15	26	41	42
Monthly Total				732	1,170	1,903	1,936
Monthly Avg	0.36	0.36	0.22	24	38	61	62

NOTES: ' -- ' indicates system offline or primary polymer not being used

- Primary polymer consumption (kg) at 100% by weight mixed at the sites to required solution
- NSF limit for Magnafloc LT 27AG is 1.00 mg/L

1.2.19 Carbon Chemical Consumption

July 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	26.4	26.5	19.1	1,453	2,252	3,705	5,029
2	24.0	24.0	12.7	1,343	2,060	3,403	3,282
3	20.1	20.0	9.99	1,295	2,128	3,422	2,672
4	13.5	13.9	10.0	932	1,532	2,465	2,816
5	10.1	10.1	10.8	755	1,057	1,812	3,023
6	3.69	3.87	3.73	265	371	636	997
7	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--
Monthly Total				6,044	9,399	15,443	17,820
Monthly Avg	16.3	16.4	11.1	1,007	1,567	2,574	2,970

NOTES: ' -- ' indicates carbon not being used

- Carbon consumption (kg) at 100% by weight (mixed at the sites)

- NSF limit for Carbon is **250 mg/L**

1.2.20 Sodium Hypochlorite Chemical Consumption

July 2026

Day							
	Rossdale					E.L. Smith	
	Dosage (mg/L)		Consumption (kg)			Dosage (mg/L)	Consumption (kg)
	Plant 1	Plant 2	Plant 1	Plant 2	Plant Total		
1	3.67	3.41	25,257	36,240	66,105	4.24	147,063
2	3.34	3.05	23,357	32,660	58,989	4.00	136,132
3	3.23	2.82	26,030	37,525	67,457	3.93	138,475
4	3.04	2.73	26,304	37,778	69,175	3.94	145,595
5	3.05	2.78	28,607	36,448	72,605	3.92	144,365
6	3.04	2.93	27,366	35,095	67,551	3.83	135,083
7	3.07	2.99	27,179	35,591	68,263	4.01	143,009
8	3.10	3.00	31,034	45,028	82,357	3.96	156,470
9	3.08	2.96	30,822	40,253	77,708	3.93	143,392
10	3.15	3.13	31,472	39,106	76,979	4.07	148,337
11	3.22	3.13	26,446	39,087	71,908	4.15	151,601
12	3.19	3.05	23,581	37,781	66,763	4.20	145,363
13	3.18	3.08	23,854	38,827	67,956	4.25	147,711
14	3.17	3.16	31,478	44,325	83,201	4.09	157,459
15	3.16	3.19	27,568	46,995	81,052	4.14	164,415
16	3.13	3.21	23,493	56,208	85,713	4.18	166,138
17	3.08	3.07	23,091	55,120	84,232	4.24	167,790
18	3.03	3.03	22,623	56,793	86,062	4.08	160,668
19	3.12	3.10	23,201	43,492	72,824	4.16	145,288
20	3.10	3.05	23,251	38,124	65,578	4.05	139,041
21	3.41	3.35	25,544	41,918	71,430	4.02	137,857
22	3.51	3.29	26,308	41,143	72,038	3.87	137,143
23	3.21	3.13	28,334	39,075	74,426	3.99	152,228
24	3.18	3.10	31,643	42,544	80,832	4.22	170,429
25	3.12	3.06	27,807	35,166	67,270	4.28	180,488
26	3.11	3.04	22,415	34,685	59,387	4.21	176,093
27	2.99	2.93	22,100	35,657	61,394	4.19	165,621
28	3.06	3.07	22,861	37,921	64,723	4.24	159,607
29	3.03	3.01	22,718	39,474	66,817	4.32	159,829
30	3.05	3.05	22,896	40,069	67,715	4.33	160,697
31	3.09	3.05	23,151	40,030	68,166	4.28	158,278
Monthly Total			801,790	1,260,156	2,226,677		4,741,667
Monthly Avg	3.16	3.06	25,864	40,650	71,828	4.11	152,957

NOTES: ' -- ' indicates system offline

- Sodium hypochlorite consumption (kg) at 0.8% by weight (sodium hypochlorite generated onsite at a concentration of 0.8%)
- Plant Total Consumption is the combined addition of Plant 1, Plant 2 and Post Filter Trim.
- NSF limit for Sodium Hypochlorite generated onsite is **10 mg/L**

1.2.21 Filter Polymer Chemical Consumption

July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.36	0.12	44	32
2	0.39	0.12	48	31
3	0.33	0.11	50	30
4	0.29	0.09	47	25
5	0.28	0.08	46	22
6	0.24	0.08	37	21
7	0.19	0.08	30	22
8	0.19	0.08	36	25
9	0.19	0.12	34	32
10	0.19	0.11	33	30
11	0.19	0.10	30	28
12	0.19	0.10	28	26
13	0.19	0.10	29	26
14	0.19	0.10	35	29
15	0.19	0.10	35	30
16	0.19	0.10	37	30
17	0.19	0.10	38	30
18	0.19	0.10	39	30
19	0.19	0.10	31	27
20	0.19	0.10	29	26
21	0.19	0.10	29	26
22	0.19	0.10	29	27
23	0.19	0.10	31	29
24	0.19	0.10	35	31
25	0.19	0.10	30	32
26	0.19	0.10	26	32
27	0.19	0.12	28	36
28	0.19	0.16	28	46
29	0.19	0.17	30	46
30	0.22	0.17	35	48
31	0.24	0.18	38	52
Monthly Total			1,072	957
Monthly Avg	0.22	0.11	35	31

NOTES: ' -- ' indicates system offline

- Filter polymer consumption (kg) at 100% by weight mixed at the sites to required solution
- NSF limit for Magnafloc LT 7981 is **20 mg/L**
- NSF limit for Magnafloc LT 7995 is **25 mg/L**

1.2.22-1 LAS Ammonia Chemical Consumption

July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.65	0.63	828	1,617
2	0.68	0.64	867	1,610
3	0.69	0.64	1,079	1,643
4	0.68	0.64	1,128	1,739
5	0.68	0.64	1,137	1,747
6	0.70	0.64	1,110	1,672
7	0.70	0.63	1,092	1,654
8	0.70	0.64	1,336	1,857
9	0.70	0.65	1,264	1,748
10	0.70	0.65	1,205	1,739
11	0.70	0.66	1,097	1,741
12	0.70	0.65	1,029	1,651
13	0.70	0.65	1,070	1,648
14	0.70	0.64	1,277	1,796
15	0.70	0.64	1,278	1,851
16	0.70	0.64	1,360	1,860
17	0.70	0.66	1,388	1,915
18	0.70	0.65	1,427	1,874
19	0.70	0.65	1,145	1,672
20	0.70	0.65	1,060	1,634
21	0.68	0.66	1,039	1,641
22	0.70	0.66	1,053	1,706
23	0.70	0.66	1,134	1,838
24	0.70	0.66	1,292	1,944
25	0.70	0.66	1,117	2,027
26	0.69	0.66	956	2,032
27	0.70	0.66	1,031	1,904
28	0.70	0.65	1,054	1,773
29	0.70	0.65	1,096	1,744
30	0.70	0.66	1,129	1,741
31	0.70	0.66	1,131	1,781
Monthly Total			35,208	54,795
Monthly Avg	0.69	0.65	1,136	1,768

1.2.22-1 LAS Ammonia Chemical Consumption

July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith

NOTES: ' -- ' indicates system offline

- LAS ammonia consumption (kg) at 100% by weight (solution delivered to sites at a concentration of **41.0%**)

- NSF limit for LAS Ammonia is **16.4 mg/L**

1.2.23 Caustic Soda Chemical Consumption

July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	35.5	60.8	7,695	30,553
2	27.6	63.6	5,750	31,485
3	40.5	58.9	10,960	29,884
4	41.3	52.0	11,981	27,860
5	36.2	49.2	10,605	26,267
6	31.5	48.1	8,627	24,572
7	24.2	37.0	6,390	19,005
8	23.5	32.5	7,749	18,530
9	20.0	31.5	6,315	16,548
10	16.8	25.6	5,070	13,380
11	13.9	22.9	3,880	11,951
12	12.8	20.1	3,300	9,988
13	13.1	26.3	3,412	13,087
14	17.5	29.3	5,626	16,100
15	16.8	25.5	5,509	14,435
16	13.8	23.8	4,798	13,538
17	16.7	25.1	5,708	14,342
18	16.1	22.8	5,810	12,856
19	13.3	20.0	3,901	10,075
20	13.2	20.1	3,412	9,876
21	17.5	29.7	4,638	14,581
22	21.0	29.5	5,477	14,907
23	18.0	22.7	5,101	12,356
24	14.6	18.7	4,718	10,752
25	12.3	16.0	3,445	9,616
26	11.3	13.9	2,724	8,369
27	10.2	12.2	2,608	6,888
28	10.5	11.6	2,742	6,250
29	9.90	12.3	2,677	6,498
30	8.54	11.9	2,430	6,198
31	8.13	10.9	2,288	5,737
Monthly Total			165,347	466,484
Monthly Avg	18.9	28.5	5,334	15,048

NOTES: ' -- ' indicates system offline

- Caustic soda consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 50.0%)
- NSF limit for Caustic Soda is **50 mg/L**

1.2.24 Fluoride Chemical Consumption
July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.69	0.65	393	749
2	0.68	0.65	391	738
3	0.68	0.65	481	756
4	0.68	0.66	507	807
5	0.68	0.66	510	809
6	0.69	0.66	494	773
7	0.69	0.66	484	781
8	0.69	0.68	587	888
9	0.68	0.69	552	831
10	0.68	0.72	526	861
11	0.68	0.73	479	876
12	0.68	0.74	445	842
13	0.66	0.71	453	813
14	0.66	0.71	541	895
15	0.70	0.71	576	921
16	0.67	0.71	585	926
17	0.67	0.71	597	930
18	0.67	0.71	613	918
19	0.67	0.71	492	820
20	0.66	0.71	450	800
21	0.66	0.72	453	808
22	0.66	0.72	449	836
23	0.66	0.72	480	900
24	0.66	0.72	547	951
25	0.66	0.71	472	979
26	0.64	0.71	403	980
27	0.66	0.71	437	922
28	0.66	0.71	444	878
29	0.66	0.71	464	861
30	0.66	0.71	478	848
31	0.65	0.71	478	859
Monthly Total			15,261	26,556
Monthly Avg	0.67	0.70	492	857

NOTES: ' -- ' indicates system offline

- Fluoride consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 21.8%)
- NSF limit for Fluoride is **1.308 mg/L**

1.2.25 Sodium Bisulfite (SBS) Chemical Consumption

July 2026

Day	Dosage (mg/L)		Consumption (kg)		De-chlorinated Waste Stream to Outfall (ML)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	7.37	12.8	354	688	18	15
2	12.8	11.8	784	802	23	19
3	12.9	10.3	789	846	23	23
4	8.61	11.6	449	789	20	19
5	8.88	11.4	457	591	20	21
6	9.69	10.7	444	587	18	19
7	12.1	10.2	564	656	18	24
8	8.51	8.65	363	574	16	21
9	14.5	9.97	723	635	19	25
10	13.9	10.1	586	1,012	16	28
11	13.0	11.7	576	1,001	17	24
12	17.2	12.3	1,003	880	22	20
13	10.9	8.27	461	603	16	28
14	21.7	8.10	1,238	584	22	27
15	21.9	10.2	1,360	847	24	32
16	14.7	8.20	504	635	13	29
17	18.2	10.0	727	717	15	27
18	17.8	10.5	723	1,083	16	29
19	12.8	12.5	491	1,252	15	28
20	14.8	5.41	594	421	15	20
21	15.2	15.5	613	967	15	24
22	9.23	15.9	339	1,073	14	27
23	16.1	12.5	715	1,297	17	29
24	15.3	12.0	582	1,367	15	32
25	30.2	10.3	930	909	12	33
26	19.8	11.2	1,438	893	28	30
27	16.2	9.38	1,024	769	24	31
28	20.7	11.5	1,329	874	25	29
29	14.0	10.7	601	816	16	29
30	15.1	14.5	360	1,235	9.2	32
31	23.4	11.2	601	818	9.9	29
Monthly Total			21,721	26,223	551	806
Monthly Avg	15.1	11.0	701	846	18	26

NOTES: ' -- ' indicates plant offline

- Sodium bisulfite consumption (kg) at 38% by weight (solution delivered to sites at a concentration of 38.0%)

1.2.26 Rossdale Waste Stream Data

July 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	Total	De-Chlorin'd Waste Stream 3			De-Chlorin'd Waste Stream 7		
Volume (ML)		375	0.0	100	39	42	556	60.14			491.34		
Solids (kg)	TSS	2,857,804	0	6,281			2,864,085						
	Aluminium	53,577	0	2,174			55,751						
# of Bypasses						7		Min	Max	Avg	Min	Max	Avg
pH								5.4	8.0	7.5	6.5	7.5	7.2
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								0.93	20.0	6.40	1.43	20.0	3.39

NOTES: * Estimate value for the waste stream volume and calculated value for the waste stream solids
 - Clarifier washdown volume(s) estimated for clarifier cleaning
 - LLP flush, HLP cooling are not applicable to the Rossdale WTP

1.2.27 E.L. Smith Waste Stream Data

July 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		192	13	321	118	12	0.6	23	679	806		
Solids (kg)	TSS	-72,841	969	39,931					-31,941			
	Aluminium	96,613	84	13,822					110,520			
# of Bypasses						0				Min	Max	Avg
pH										6.34	8.13	6.81
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.03	19.4	5.41

NOTES: * Estimate value for the waste stream volume and calculated value for the waste stream solids

- Clarifier washdown volume(s) estimated for clarifier cleaning
- Estimated chlorinated waste stream to outfall for dechlorination

1.2.28 Demand/Production Statistics

July 2026

Month	ROSSDALE ZONE			E.L.SMITH ZONE			SYSTEM TOTAL			RESERVOIR PUMPAGE		
	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Rosssdale Zone (ML)	E.L.Smith Zone (ML)	Total (ML)
JANUARY	4,071	169	213	7,613	276	290	11,684	428	384	1,094	2,830	3,923
FEBRUARY	3,477	162	180	6,861	276	307	10,338	424	384	868	2,558	3,425
MARCH	4,039	188	168	7,780	277	323	11,819	461	392	891	2,838	3,729
APRIL	4,250	205	242	7,065	267	262	11,315	464	395	935	2,855	3,790
MAY	5,005	210	230	8,485	324	341	13,490	532	522	1,119	3,228	4,524
JUNE	4,289	214	189	7,711	312	282	11,999	526	457	1,008	2,883	4,004
JULY	4,769	194	199	8,044	292	286	12,813	467	461	1,189	3,133	4,323

2026 - HIGH 5-DAY DEMAND

	PLANTS PROD (ML/d)	RES. GAIN / LOSS (%)	RES. GAIN / LOSS (ML)	TOTAL DEMAND (ML)
25-May-2026	483	0.5	2.9	480
26-May-2026	466	-4.9	-30.6	496
27-May-2026	516	-0.9	-6.0	522
28-May-2026	532	3.5	21.9	510
29-May-2026	516	7.1	44.6	471

AVERAGE: 496

Year to Date Data	2026	2025	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	83,457	84,595	(1.3)
AVG. DAILY DEMAND TO DATE (ML)	393	399	(1.4)
PEAK DAILY DEMAND TO DATE (ML)	522	520	0.3
PEAK HOURLY DEMAND TO DATE (ML)	663	691	(4.1)
HIGH 5-DAY AVERAGE TO DATE (ML)	496	496	0.0

Peak daily demand of 522 ML/d occurred on May 27, 2026

Peak hourly demand of 663 ML/d occurred on May 27, 2026 @ 20:00

1.2.29 Reservoir Chlorine Residual (mg/L) - Part 1

July 2026

Reservoir	Papaschase 1			Ormsby			Clareview Discharge			Millwoods Discharge			Kaskitayo			Discovery Park		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1.29	1.51	1.32	1.53	1.62	1.58	1.05	1.21	1.15	1.44	1.73	1.66	1.45	1.87	1.59	0.90	0.99	0.95
2	1.27	1.79	1.31	1.58	1.80	1.71	1.09	1.54	1.21	1.63	1.86	1.70	1.57	1.98	1.64	0.87	1.44	1.02
3	1.28	1.83	1.33	1.62	1.72	1.67	1.03	1.45	1.13	1.66	1.79	1.71	1.42	1.79	1.67	1.05	1.23	1.14
4	1.27	1.90	1.38	1.60	1.82	1.73	1.10	1.44	1.20	1.61	1.78	1.70	1.53	1.73	1.66	1.11	1.22	1.16
5	1.37	1.86	1.48	1.62	1.80	1.72	1.20	1.70	1.37	1.61	1.88	1.73	1.46	1.75	1.66	1.07	1.20	1.13
6	1.46	1.82	1.53	1.66	1.75	1.71	1.39	1.84	1.48	1.68	1.83	1.74	1.59	1.81	1.71	1.04	1.14	1.10
7	1.22	1.41	1.33	1.62	1.77	1.69	1.33	1.56	1.46	1.66	1.83	1.76	1.61	1.77	1.73	1.03	1.14	1.08
8	1.20	1.59	1.24	1.74	1.86	1.76	1.48	1.68	1.59	1.70	1.84	1.77	1.73	1.98	1.74	1.03	1.14	1.09
9	1.27	1.99	1.43	1.76	1.88	1.83	1.27	1.66	1.59	1.62	1.89	1.76	1.59	1.78	1.72	0.99	1.11	1.04
10	1.35	2.02	1.52	1.57	1.86	1.80	1.44	1.88	1.66	1.65	1.82	1.74	1.58	1.80	1.71	0.99	1.16	1.06
11	1.49	1.79	1.77	1.74	1.89	1.83	1.44	1.82	1.58	1.67	1.80	1.73	1.66	1.76	1.72	1.03	1.14	1.09
12	1.64	2.02	1.75	1.77	1.90	1.84	1.48	1.88	1.61	1.66	1.89	1.75	1.70	2.01	1.73	1.00	1.13	1.07
13	1.69	2.01	1.78	1.61	1.87	1.82	1.52	1.58	1.56	1.68	1.84	1.74	1.66	1.77	1.74	0.99	1.15	1.06
14	1.52	1.94	1.63	1.70	1.77	1.75	1.51	1.63	1.56	1.45	1.90	1.74	1.72	1.86	1.75	1.02	1.13	1.07
15	1.60	1.99	1.62	1.71	1.86	1.78	1.48	1.67	1.63	1.60	1.85	1.76	1.65	1.95	1.75	0.98	1.11	1.05
16	1.51	1.99	1.60	1.71	1.87	1.82	1.49	1.90	1.75	1.70	1.87	1.79	1.66	1.82	1.76	0.96	1.21	1.10
17	1.55	1.94	1.61	1.66	1.89	1.80	1.53	1.84	1.63	1.73	1.82	1.76	1.66	1.78	1.75	1.06	1.19	1.12
18	--	--	--	1.67	1.82	1.77	1.41	1.67	1.61	1.66	1.83	1.75	1.71	2.09	1.74	1.02	1.15	1.09
19	--	--	--	1.61	1.80	1.75	1.49	1.72	1.64	1.65	1.84	1.72	1.66	1.86	1.70	0.99	1.12	1.05
20	1.36	1.59	1.47	1.64	1.75	1.70	1.44	1.87	1.68	1.63	1.80	1.69	1.64	1.72	1.67	1.00	1.37	1.15
21	1.45	1.97	1.53	1.63	1.73	1.67	1.38	1.59	1.55	1.61	1.76	1.69	1.52	1.71	1.63	1.24	1.41	1.32
22	1.41	1.95	1.49	1.57	1.69	1.63	1.42	1.72	1.58	1.62	1.78	1.69	1.52	1.78	1.66	1.24	1.39	1.31
23	1.43	2.05	1.55	1.50	1.63	1.60	1.29	1.77	1.52	1.65	1.81	1.74	1.64	1.94	1.71	1.21	1.36	1.30
24	1.47	2.04	1.60	1.51	1.87	1.68	1.28	1.77	1.49	1.56	1.80	1.75	1.55	1.97	1.70	1.16	1.33	1.27
25	2.02	2.02	2.02	1.75	1.92	1.85	1.42	1.56	1.52	1.54	1.92	1.76	1.66	1.87	1.74	1.16	1.31	1.22
26	1.48	1.69	1.58	1.74	1.83	1.79	1.41	1.63	1.53	1.63	1.93	1.74	1.68	1.83	1.73	1.10	1.26	1.17
27	1.45	1.48	1.19	1.68	1.80	1.75	1.40	1.75	1.56	1.68	1.82	1.74	1.68	1.84	1.72	1.07	1.22	1.16
28	1.38	1.80	1.42	1.48	1.82	1.73	1.44	1.62	1.56	1.57	1.82	1.74	1.63	1.75	1.69	1.06	1.25	1.15
29	1.29	1.96	1.49	1.67	1.78	1.73	1.40	1.87	1.62	1.69	1.82	1.76	1.67	1.78	1.70	1.09	1.19	1.14
30	1.32	2.05	1.68	1.68	1.83	1.77	1.27	1.69	1.48	1.67	1.89	1.77	1.55	1.97	1.70	1.05	1.16	1.11
31	1.56	1.71	1.64	1.50	1.85	1.78	1.40	1.83	1.55	1.66	1.84	1.76	1.60	1.75	1.70	1.04	1.24	1.14
Monthly Min/Max/Avg	1.20	2.05	1.53	1.48	1.92	1.74	1.03	1.90	1.52	1.44	1.93	1.74	1.42	2.09	1.70	0.87	1.44	1.13

NOTES: '--' Indication Analyzer Offline

1.2.30 Reservoir Chlorine Residual (mg/L) - Part 2

July 2026

Reservoir	Rosslyn 1			Londonderry			N. Jasper Place			Rosslyn 2			Thornccliffe			Blackmud Creek		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1				1.19	1.48	1.29	1.35	1.97	1.37	1.13	1.46	1.16	1.37	2.09	1.38	1.86	2.02	1.93
2	1.12	1.23	1.17	1.21	1.52	1.34	1.36	1.91	1.37	1.05	1.63	1.10	1.33	2.13	1.35	1.89	1.98	1.92
3	1.13	1.19	1.17	1.24	1.57	1.37	1.31	1.92	1.35	0.99	1.08	1.03	1.32	2.10	1.34	1.89	1.96	1.92
4				1.26	1.63	1.43	1.46	1.91	1.48	1.11	2.02	1.20	1.46	2.12	1.63	1.86	1.97	1.90
5	--	--	--	1.26	1.62	1.41	--	--	--	1.11	2.02	1.38	1.57	2.15	1.59	1.84	1.94	1.87
6	1.37	1.45	1.44	1.23	1.66	1.40	1.41	2.06	1.44	1.29	2.05	1.37	1.63	2.16	1.65	1.83	1.93	1.89
7	1.27	1.46	1.41	1.27	1.71	1.46	1.34	1.86	1.35	1.18	2.01	1.42	1.57	2.12	1.64	1.88	1.98	1.93
8	--	--	--	1.34	1.72	1.48	--	--	--	1.20	2.04	1.37	--	--	--	1.90	1.94	1.92
9	--	--	--	1.37	1.76	1.52	--	--	--	1.25	1.53	1.48	--	--	--	1.87	1.95	1.91
10	--	--	--	1.44	1.75	1.54	1.34	1.89	1.35	1.29	1.95	1.43	1.49	2.14	1.51	1.86	1.95	1.91
11	--	--	--	1.37	1.68	1.50	--	--	--	1.30	2.08	1.48	1.49	1.49	1.49	1.87	1.95	1.91
12	1.49	1.55	1.54	1.35	1.73	1.47	1.41	2.03	1.43	1.21	1.42	1.36	1.60	2.14	1.66	1.84	1.94	1.88
13	1.42	1.51	1.46	1.38	1.75	1.55	1.41	1.99	1.56	1.29	1.53	1.34	1.61	2.14	1.75	1.85	1.95	1.61
14	1.43	1.46	1.44	1.37	1.66	1.51	1.45	2.03	1.46	1.20	1.33	1.30	1.61	2.14	1.61	1.89	1.95	1.92
15	1.44	1.51	1.47	1.39	1.67	1.53	1.41	1.99	1.43	1.17	1.42	1.31	1.54	2.15	1.56	1.89	1.98	1.95
16	--	--	--	1.37	1.72	1.53	1.25	1.94	1.42	1.19	1.38	1.27	1.57	2.14	1.63	1.91	1.99	1.96
17	--	--	--	1.45	1.70	1.56	1.42	1.96	1.43	1.14	1.60	1.26	1.56	2.18	1.59	1.94	1.99	1.96
18	--	--	--	1.41	1.69	1.53	--	--	--	1.10	1.32	1.26	--	--	--	1.96	2.01	1.98
19	--	--	--	1.37	1.70	1.51	1.33	1.98	1.44	1.09	1.30	1.29	1.54	2.08	1.55	1.89	2.00	1.95
20	--	--	--	1.35	1.64	1.47	1.36	2.01	1.44	1.14	1.30	1.29	1.45	2.13	1.56	1.74	1.94	1.85
21				1.32	1.63	1.48	1.28	2.03	1.52	1.05	1.28	1.27	1.41	2.13	1.66	1.72	1.80	1.75
22				1.34	1.62	1.46	1.37	1.97	1.40	1.07	1.28	1.24	1.42	2.15	1.46	1.73	1.80	1.77
23				1.34	1.70	1.52	1.27	2.06	1.34	1.14	1.23	1.19	1.36	2.18	1.46	1.73	1.86	1.81
24	1.28	1.32	1.31	1.31	1.70	1.51	1.32	2.06	1.47	1.12	1.20	1.15	1.32	1.80	1.39	1.78	1.87	1.83
25				1.38	1.77	1.55	1.46	1.89	1.50	1.10	1.21	1.16				1.78	1.88	1.82
26				1.33	1.76	1.56	1.50	2.06	1.50	1.15	1.24	1.14				1.77	1.87	1.81
27				1.40	1.75	1.57	1.33	2.07	1.41	1.19	1.42	1.20				1.76	1.83	1.79
28				1.39	1.70	1.51	1.38	2.04	1.41	1.20	1.23	1.22	1.29	2.15	1.30	1.76	1.84	1.79
29	1.42	1.44	1.42	1.37	1.66	1.50	1.37	2.06	1.39	1.19	1.22	1.21	1.26	2.17	1.34	1.76	1.82	1.79
30	--	--	--	1.36	1.67	1.47	1.23	1.90	1.43	1.18	1.23	1.21	1.35	2.18	1.47	1.74	1.82	1.79
31	--	--	--	1.29	1.56	1.42	1.39	1.98	1.40	1.17	1.20	1.18	1.47	2.19	1.48	1.72	1.78	1.76
Monthly Min/Max/Avg	1.12	1.55	1.38	1.19	1.77	1.48	1.23	2.07	1.43	0.99	2.08	1.27	1.26	2.19	1.52	1.72	2.02	1.86

NOTES: '--' Indication Analyzer Offline

1.2.31 Phosphoric Acid Chemical Consumption
July 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	446	941
2	0.90	0.90	461	914
3	0.90	0.90	529	907
4	0.90	0.90	602	991
5	0.90	0.90	612	955
6	0.90	0.90	583	995
7	0.90	0.90	570	955
8	0.90	0.90	697	976
9	0.90	0.90	616	1,063
10	0.90	0.88	618	874
11	0.90	0.90	573	1,032
12	0.90	0.90	504	841
13	0.90	0.90	582	980
14	0.90	0.90	613	988
15	0.90	0.90	610	1,031
16	0.90	0.90	736	1,046
17	0.90	0.90	735	1,030
18	0.90	0.90	715	1,023
19	0.90	0.90	595	980
20	0.81	0.84	547	764
21	0.75	0.72	443	727
22	0.75	0.75	427	863
23	0.75	0.75	486	802
24	0.75	0.75	510	900
25	0.75	0.71	565	859
26	0.74	0.75	361	915
27	0.75	0.75	398	845
28	0.75	0.75	414	844
29	0.75	0.75	452	816
30	0.75	0.75	526	748
31	0.75	0.75	493	847
Monthly Total			17,021	28,453
Monthly Avg	0.84	0.84	549	918

NOTES: ' -- ' indicates plant offline

- Phosphoric acid consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 75%)
- Phosphoric Acid dosage is reported mg/L as P (Phosphorous)
- NSF limit for Phosphoric acid (75%) is 13 mg/l

1.2.32 Summary of Mainbreaks July 2026

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
7/2/2026 12:36	5132-126 STREET NW	7/3/2026 10:00	150	AC
7/2/2026 20:12	11626-111 AVENUE NW	7/3/2026 17:16	610	Steel
7/5/2026 12:31	2353-MILLBOURNE ROAD WEST NW	7/6/2026 8:55	250	AC
7/14/2026 16:56	9825-103 STREET NW	7/15/2026 18:00	150	CI
7/15/2026 9:20	11263-79 STREET NW	7/15/2026 17:36	250	PVC
7/16/2026 10:20	9825-103 STREET NW	7/16/2026 20:30	150	CI
7/16/2026 16:50	11411-135 ST NW	7/17/2026 17:52	250	CI
7/17/2026 10:35	12004-97 ST NW	8/5/2026 13:15	150	CI
7/18/2026 9:30	7040-ADA BOULEVARD NW	7/18/2026 16:45	100	CI
7/19/2026 9:02	7611-ROWLAND ROAD NW	7/19/2026 15:49	200	CI
7/19/2026 16:46	10203-157 STREET NW	7/20/2026 11:18	150	CI
7/20/2026 7:22	11601-96 STREET NW	7/20/2026 20:43	150	CI
7/21/2026 13:24	6705-111 STREET NW	7/23/2026 9:15	406	Steel
7/24/2026 0:44	8716-163 STREET NW	7/24/2026 16:43	200	CI
7/24/2026 3:59	9148-82 AVENUE NW	7/24/2026 20:25	150	CI
7/24/2026 20:32	9148-82 AVENUE NW	7/25/2026 12:47	150	CI
7/25/2026 12:47	9148-82 AVENUE NW	7/25/2026 14:06	150	CI
7/27/2026 15:22	9821-41 AVENUE NW	7/27/2026 20:30	200	CI
7/31/2026 17:05	10342-117 ST NW	7/31/2026 18:09	200	CI

Month	Total Breaks By Month
Jan-26	31
Feb-26	23
Mar-26	24
Apr-26	17
May-26	14
Jun-26	12
Jul-26	19
Aug-26	
Sep-26	
Oct-26	
Nov-26	
Dec-26	
YTD 2026	140

CI	Cast Iron Pipe
COP	Copper Pipe
CCP	Concrete Cylinder Pipe
PVC	Poly Vinyl Chloride Pipe
AC	Asbestos Cement Pipe
HPLCP	Hyperscon Cylinder Prestressed Lined Concrete Cylinder Pipe
FRP	Fibre Glass Pipe
STL	Steel Pipe
HDP	High Density Polyethylene

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

July 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO ₃ /L)	62	113.7	89.0 - 143.0	422	116.2	79.0 - 143.0		
Aluminum (mg/L)	2	0.015	0.011 - 0.018	14	0.057	0.011 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	8	<0.005	<0.005	64	0.005	<0.005 - 0.010	0.010	
Bromodichloromethane (µg/L)	62	1.9	1.1 - 3.9	422	1.2	<0.5 - 3.9		
Cadmium (mg/L)	2	0.00003	0.00002 - 0.00003	14	0.00002	<0.00002 - 0.00003	0.00700	
Calcium Hardness (mg/L CaCO ₃)	62	122.6	107.0 - 215.0	422	117.8	96.0 - 215.0		
Chlorate Dissolved (mg/L)	8	0.07	0.03 - 0.13	64	0.18	0.03 - 0.50	1.00	
Chloride Dissolved (mg/L)	8	6.6	5.0 - 8.9	64	7.4	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	62	2.15	1.91 - 2.28	423	2.05	1.54 - 2.28		
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	64	0.007	<0.005 - 0.136	1.000	
Chloroform (µg/L)	62	34.1	18.4 - 48.5	422	17.1	3.8 - 48.5	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002	0.0500	
Colour (TCU)	62	0.9	<0.5 - 1.6	422	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	429.1	385.0 - 501.0	61	415.1	357.0 - 609.0		
Copper (mg/L)	2	<0.002	<0.002	14	0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	14	<0.1	<0.1		
Fluoride (mg/L)	62	0.69	0.60 - 0.78	422	0.70	0.60 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	14	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	19.3	18.8 - 19.7	14	16.7	11.3 - 19.7	80.0	40.0
Iron (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	0.003	<0.002 - 0.004	14	0.002	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	16	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	8	0.07	0.04 - 0.08	64	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	8	0.02	0.02	64	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.0022	0.0022	14	0.00221	<0.0009 - 0.0022	0.0400	0.0100
pH	62	8	8	422	8	8		7 - 8
Potassium (mg/L)	2	1.3	1.2 - 1.4	14	1.1	0.7 - 2.0		
Sodium (mg/L)	2	28.3	21.9 - 34.7	14	13.8	6.6 - 34.7	(200.0)	
Sulphate Dissolved (mg/L)	8	91.5	78.2 - 123.0	64	79.4	62.0 - 123.0	(500.0)	
Total Dissolved Solids (mg/L)	2	302.00	287.00 - 317.00	14	238.43	213.00 - 317.00	(500.00)	
Total Hardness (mg/L CaCO ₃)	62	179.5	165.0 - 264.0	422	176.7	146.0 - 264.0		
Total Organic Carbon (mg/L)	8	2.2	1.7 - 2.7	60	1.7	0.9 - 3.3		
Trihalomethanes (µg/L)	62	36.2	20.0 - 51.5	422	18.5	5.3 - 51.5	100.0	50.0
Turbidity (NTU)	62	0.05	<0.04 - 0.10	422	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005	(5.000)	

2.1.2 EXPLANATION OF NOTATIONS USED

Water Treatment Plants

July 2026



Concentrations are reported as mg/L unless otherwise indicated.
Alkalinity and Hardness (Ca and Total) are reported as mg CaCO₃/L

%T	= % Transmittance
- ve	= Absent
+ ve	= Present
ng/L	= Nanograms per litre (1 ng/L)
µg/L	= Micrograms per litre (1 µg/L)
µS/cm	= Microsiemens per centimeter (unit of conductivity)
2/Y	= Twice per Year
AO	= Aesthetic Objective
Bq/L	= Becquerel(s) per litre (unit of radionuclide concentration)
CCPP	= Calcium Carbonate Precipitation Potential
CFU	= Colony Forming Units
Comm	= Commercial Laboratories
D	= Daily
EWSI	= EPCOR Water Services Inc.
FPA	= Flavour Profile Analysis
GCDWQ	= Guidelines for Canadian Drinking Water Quality
GM	= Geometric Mean
inoff	= Inoffensive (no objectionable odour)
M	= Monthly
MAC	= Maximum Acceptable Concentration
MDL	= Method Detection Limit
N/A	= Not Available
ND	= Not Detected
NTU	= Nephelometric Turbidity Units
PA	= Presence/Absence Testing
PBR	= Performance Based Rates
PHP	= phenolphthalein
PLPH	= Provincial Laboratory of Public Health
ppb	= Parts Per Billion
ppm	= Parts Per Million
Q	= Quarterly
QA	= Quality Assurance
QC	= Quality Control
RDL	= Reportable Detection Limit
TCU	= True Colour Units
TDS	= Total Dissolved Solids
TOC	= Total Organic Carbon
UV Abs/cm	= UV Absorbance per centimeter
WL	= Water Laboratory
WTP	= Water Treatment Plant

2.1.3 QUALITY ASSURANCE – July 2026

Drinking water quality must meet the requirements in the Alberta Environment and Protected Areas *Approval-to-Operate* (638-04-02) and the limits set out in the latest version of the Health Canada *Guidelines for Canadian Drinking Water Quality* (GCDWQ). The latest internet edition of the GCDWQ was issued in December 2025. Health Canada updates their on-line document regularly, but they recommend always consulting individual guideline technical documents and guidance documents on Health Canada's website, "Water Quality—Reports and Publications" for the most current information. Guideline limits are listed as Maximum Acceptable Concentrations (MAC), Aesthetic Objectives (AO) or Operational Guidelines (OG). The latest edition of Health Canada's Guidelines includes parameter types, common sources, health considerations and application of the guideline.

In addition, for treated water in the distribution system, total chlorine residual values under 0.5 mg/L are not necessarily violations of the approval but do require immediate follow-up action and re-sampling. A violation of the current *Approval-to-Operate* (638-04-02) requirements occurs if the chlorine residual in more than 25% of follow-up samples are < 0.5 mg/L. Alberta Environment and Protected Areas is to be notified of any single positive total coliform sample and follow-up sampling is done according to the *Communication and Action Protocol for Failed Bacteriological Results in Drinking Water*. Any sample that is positive for *E. coli* is also considered a violation and requires follow-up action and re-sampling. A repeat total coliform positive from the same location is also considered a violation.

Critical water quality parameters (e.g. turbidity, residual chlorine, fluoride, pH, & particle counts) in the treated water are monitored continuously using on-line instruments at the water treatment plants. In addition, water quality samples are collected daily at the two Water Treatment Plants, and 210 to 300 samples per month are collected throughout the distribution system (routine and random sampling sites, reservoirs, following system depressurizations and in response to customer complaints).

The EPCOR Water Laboratory is nationally accredited by CALA (Canadian Association for Laboratory Accreditation) to ISO/IEC 17025 for specific water quality analyses, and it also provides quality assurance support for Water Plant Operations labs and on-line analytical monitoring.

"Violations" occur when the concentration of a measured parameter exceeds the AEPA *Approval-to-Operate* limits, including the MACs for the GCDWQ parameters listed Schedule 4.

"Variances" occur when the concentration of a measured parameter exceeds EPCOR's own internal water quality objectives.

2.1.3.1 **Total Water Quality Violations of AEP Approval-to-Operate:**

Current month: **0**

YTD Total: **1**

2.1.3.2 **Water Quality Violations for Water Plants (Treated Water)**

Current month: **0**

YTD Total: **0**

2.1.3.3 **Water Quality Violations (Environmental): Plants Waste Streams**

Current month: **0**

YTD Total: **0**

2.1.3.4 **Violations for Water Quality in the Field Reservoirs and Distribution System**

Sample Type	This Month	YTD
Depressurization Samples	0	0
Complaint Samples	0	0
Random Samples	0	1
Reservoirs	0	0
TOTAL (Distribution) ¹	0	1

2.1.3.5 **Variances from EPCOR Water Services Water Quality Objectives at the Water Treatment Plants**

Variance Category ¹	This Month	YTD
Aluminum ² > 0.20 or 0.10 mg/L	0	0
Turbidity > 1 NTU	0	0
Chlorine < 1 mg/L or > 2.4 mg/L	0	0
<i>Cryptosporidium</i> ≥ 1/1000 L	0	0
<i>Giardia</i> ≥ 1/1000 L	0	0
Other	2	2
Total Variances + Violations	2	2

Notes: 1) Variance statistics include any violations.

2) YTD variances in the 'Other' category includes 2 variances for THM in July 2026

2.1.3.6

Variances from EPCOR Water Services Water Quality Objectives in the Field Reservoirs and Distribution System

Variance Category ¹	This Month	YTD
Turbidity > 1 NTU	16	58
Chlorine < 1 mg/L or > 2.4 mg/L	1	7
Single Positive Coliform	1	3
THMs > 50 µg/L	0	0
Pipe Lube, Odour, UV positive	0	0
Aluminum ² > 0.20 (or 0.1) mg/L	1	9
Iron > 0.10 mg/L	2	11
Other	1	2
Total Variances + Violations	22	90 + 1 = 91

Notes: 1) Variance statistics include any violations.

2) YTD variances in the 'Other' category included 1 variance for Manganese in June 2026 and 1 variance for Colour in July 2026

2.2.1 BACTERIOLOGICAL DATA

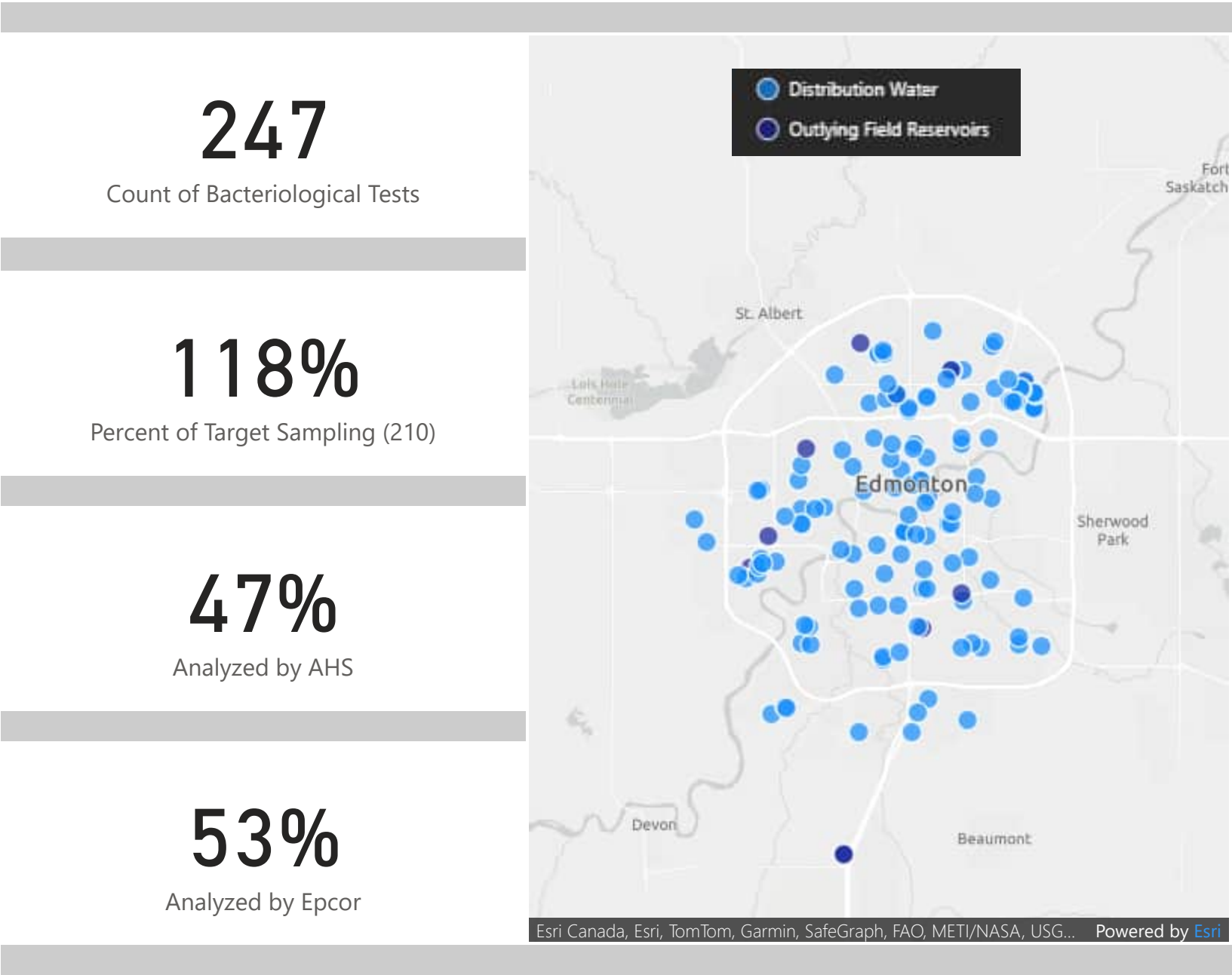
Water Treatment Plants

July 2026



Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Coliforms total (MPN/100 mL)	5	3222.6	648.8 - 11588.0	30	1083.8	22.8 - 11588.0
E. coli (MPN/100 mL)	5	150.8	11.0 - 550.0	30	55.6	1.0 - 636.0
Rossdale Raw						
Cellular ATP (pg/mL)	1	274.2	274.2	8	153.9	14.6 - 303.8
Coliforms total (MPN/100 mL)	31	8411.4	185.0 - 92080.0	208	2298.6	23.1 - 92080.0
E. coli (MPN/100 mL)	31	344.9	21.3 - 1580.0	208	193.4	1.0 - 9768.0
EL Smith Treated						
Cellular ATP (pg/mL)	2	0.1	<0.10 - 0.1	183	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	210	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	210	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	3	0.2	<0.10 - 0.3	181	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	207	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	207	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.3	212	0.1	<0.10 - 0.7
Coliforms total (PA/100mL)	31	-VE	-VE	210	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	210	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.3	210	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	209	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	209	-VE	-VE

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	116	0.3	<0.10 - 2.6	822	0.2	<0.10 - 9.4
Chlorine total (mg/L)	247	1.66	0.65 - 2.19	1619	1.78	0.35 - 2.42
Coliforms total (MPN/100 mL)	4	Not Detected	Not Detected	26	17.7	461.1
Coliforms total (PA/100mL)	243	-VE	+VE	1588	-VE	+VE - -VE
E. coli (MPN/100 mL)	4	Not Detected	Not Detected	26	Not Detected	Not Detected
E. coli (PA/100mL)	243	-VE	-VE	1588	-VE	-VE
Turbidity (NTU)	247	0.25	<0.04 - 2.53	1619	0.18	<0.04 - 4.62

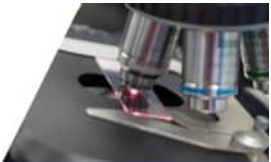




2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

July 2026



Location Date	EL Smith Reservoir Cryptosporidium	Giardia	Rossdale Reservoir Cryptosporidium	Giardia
Jan 12	<0.1	<0.1	<0.1	<0.1
Feb 09	<0.1	<0.1		
Feb 11			<0.1	<0.1
Mar 02			<0.1	<0.1
Mar 10	<0.1	<0.1		
Apr 13	<0.1	<0.1		
Apr 14			<0.1	<0.1
May 11	<0.1	<0.1		
May 13			<0.1	<0.1
Jun 01			<0.1	<0.1
Jun 08	<0.1	<0.1		
Jul 13	<0.1	<0.1		
Jul 15			<0.1	<0.1

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	209	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	7	<0.1	<0.1		
E. coli (PA/100mL)	31	-VE	-VE	209	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	7	<0.1	<0.1		
Physical								
Colour (TCU)	31	0.8	<0.5 - 1.4	210	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	410.5	385.0 - 458.0	30	407.7	357.0 - 497.0		
pH	31	8	8	210	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	287.00	287.00	7	236.71	214.00 - 287.00	(500.00)	
Turbidity (NTU)	31	0.05	<0.04 - 0.10	210	0.05	<0.04 - 0.32	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.101	0.101	7	0.066	0.053 - 0.101	2.000	
Boron (mg/L)	1	0.014	0.014	7	0.011	0.009 - 0.014	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	32	0.005	<0.005 - 0.010	0.010	
Cadmium (mg/L)	1	0.00002	0.00002	7	0.00002	<0.00002 - 0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.04	0.03 - 0.04	32	0.24	0.03 - 0.50	1.00	
Chlorine total (mg/L)	31	2.14	1.92 - 2.28	211	2.04	1.54 - 2.28		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	32	0.009	<0.005 - 0.136	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.200	
Fluoride (mg/L)	31	0.70	0.68 - 0.78	210	0.71	0.65 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	7	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	8	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.07	0.06 - 0.08	32	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	32	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	7	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	7	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	5.0	
Benzene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	30.00	
Carbon Tetrachloride (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	3	0.1	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	3	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	19.7	19.7	7	17.3	13.4 - 19.7	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.7	<0.5 - 1.0	210	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	3	0.1	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	3	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	3	0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	0.0022	0.0022	7	0.00217	<0.0009 - 0.0022	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	3	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	3	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Tetrachloroethylene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	10.0	
Toluene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	3	<12.0	<12.0		
Trichloroethylene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	31	37.8	24.2 - 51.5	210	19.8	6.4 - 51.5	100.0	50.0
Vinyl Chloride (µg/L)	31	1.5	<1.0 - 2.0	210	1.06	<0.50 - 2.00	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rosssdale Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	31	110.8	89.0 - 138.0	210	114.3	79.0 - 138.0		
Aluminum (mg/L)	1	0.011	0.011	7	0.062	0.011 - 0.172	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	15	0.12	0.09 - 0.15	104	0.10	<0.05 - 0.19		
Beryllium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	32	0.03	<0.03 - 0.06		
Calcium (mg/L)	1	55.2	55.2	7	49.9	40.9 - 55.2		
Calcium Hardness (mg/L CaCO ₃)	31	123.3	107.0 - 206.0	210	118.0	96.0 - 206.0		
Chloride Dissolved (mg/L)	4	5.3	5.0 - 5.6	32	7.4	4.8 - 16.2	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	9	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	7	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	7	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0015	0.0015	7	0.0032	0.0015 - 0.0037		
Magnesium (mg/L)	1	13.6	13.6	7	14.5	12.4 - 15.9		
Molybdenum (mg/L)	1	0.0008	0.0008	7	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0010	0.0010	7	0.0006	<0.0005 - 0.0010		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	7	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	7	<0.02	<0.02		
Potassium (mg/L)	1	1.4	1.4	7	1.1	0.7 - 2.0		
Silicon (mg/L)	1	3.01	3.01	7	2.34	1.82 - 3.01		
Silver (mg/L)	1	<0.00002	<0.00002	7	<0.00002	<0.00002		
Sodium (mg/L)	1	21.9	21.9	7	12.3	6.6 - 21.9	(200.0)	
Strontium (mg/L)	1	0.367	0.367	7	0.439	0.367 - 0.476	7.000	
Sulphate Dissolved (mg/L)	4	89.5	78.2 - 114.0	32	77.7	62.4 - 115.0	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	3	0.0015	<0.0015 - 0.0016	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	31	180.2	165.0 - 259.0	210	176.8	146.0 - 259.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	7	<0.005	<0.005	(5.000)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	31	<1.0	<1.0	210	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	31	0.7	<0.5 - 1.0	210	0.53	<0.40 - 1.00		
Xylene (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.53	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	10.2	10.2	7	9.2	7.2 - 11.2		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 2.2	208	1.4	<1.0 - 4.6		
Total Organic Carbon (mg/L)	4	2.4	2.3 - 2.7	30	1.8	1.1 - 3.3		
Tetrachloroethane (1,1,2,2) (µg/L)	31	1.6	<0.5 - 5.0	210	<5.0	<0.5 - <5.0		
Styrene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	1.5	<1.0 - 2.0	210	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Dichloroethylene (1,1) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	14.0	
Dichloroethane (1,2) (µg/L)	31	0.7	<0.5 - 1.0	208	0.5	<0.5 - 1.0	5.0	
Dichlorobenzene (1,3) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	9.5	9.5	7	8.1	6.1 - 9.5		
Dibromochloromethane (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Chloroform (µg/L)	31	35.4	22.1 - 48.5	210	18.2	4.6 - 48.5	(40.0)	
Chlorobenzene (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Bromoform (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	31	2.2	1.6 - 3.9	210	1.4	0.5 - 3.9		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	0.09	0.09	1.00	
Gross Alpha (Bq/L)				1	<0.11	<0.11	0.50	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	210	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	7	<0.1	<0.1		
E. coli (PA/100mL)	31	-VE	-VE	210	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	7	<0.1	<0.1		
Physical								
Colour (TCU)	31	0.9	<0.5 - 1.6	212	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	447.8	402.0 - 501.0	31	422.3	363.0 - 609.0		
pH	31	8	8	212	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	317.00	317.00	7	240.14	213.00 - 317.00	(500.00)	
Turbidity (NTU)	31	0.05	<0.04 - 0.09	212	0.05	<0.04 - 0.28	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.096	0.096	7	0.066	0.057 - 0.096	2.000	
Boron (mg/L)	1	0.014	0.014	7	0.011	0.008 - 0.017	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	32	0.005	<0.005 - 0.010	0.010	
Cadmium (mg/L)	1	0.00003	0.00003	7	0.00002	<0.00002 - 0.00003	0.00700	
Chlorate Dissolved (mg/L)	4	0.11	0.10 - 0.13	32	0.12	0.09 - 0.17	1.00	
Chlorine total (mg/L)	31	2.17	1.91 - 2.26	212	2.06	1.83 - 2.27		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	32	0.006	<0.005 - 0.023	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.200	
Fluoride (mg/L)	31	0.67	0.60 - 0.71	212	0.68	0.60 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.004	0.004	7	0.002	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	8	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.07	0.04 - 0.08	32	0.08	0.02 - 0.19	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	32	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	7	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	7	0.0005	<0.0005 - 0.0005	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	5.0	
Benzene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	30.00	
Carbon Tetrachloride (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	3	0.1	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	3	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	18.8	18.8	7	16.1	11.3 - 18.8	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.7	<0.5 - 1.0	212	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	3	0.1	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	3	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	3	0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	0.0022	0.0022	7	0.0011	<0.0009 - 0.0022	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	3	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	3	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Tetrachloroethylene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	10.0	
Toluene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	3	<12.0	<12.0		
Trichloroethylene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	31	34.6	20.0 - 45.8	212	17.3	5.3 - 45.8	100.0	50.0
Vinyl Chloride (µg/L)	31	1.4	<1.0 - 2.0	212	1.05	<0.50 - 2.00	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	31	116.6	108.0 - 143.0	212	118.1	92.0 - 143.0		
Aluminum (mg/L)	1	0.018	0.018	7	0.052	0.018 - 0.081	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	15	0.09	0.06 - 0.15	106	0.08	<0.05 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	32	0.03	<0.03 - 0.06		
Calcium (mg/L)	1	53.1	53.1	7	49.5	41.3 - 53.1		
Calcium Hardness (mg/L CaCO ₃)	31	122.0	110.0 - 215.0	212	117.5	98.0 - 215.0		
Chloride Dissolved (mg/L)	4	8.0	7.3 - 8.9	32	7.4	5.5 - 14.0	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	8	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	7	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	7	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0021	0.0021	7	0.0030	0.0021 - 0.0037		
Magnesium (mg/L)	1	13.3	13.3	7	14.4	12.0 - 15.7		
Molybdenum (mg/L)	1	0.0007	0.0007	7	0.0006	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0009	0.0009	7	0.0006	<0.0005 - 0.0009		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	7	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	7	<0.02	<0.02		
Potassium (mg/L)	1	1.2	1.2	7	1.0	0.7 - 2.0		
Silicon (mg/L)	1	2.94	2.94	7	2.30	1.74 - 2.94		
Silver (mg/L)	1	<0.00002	<0.00002	7	<0.00002	<0.00002		
Sodium (mg/L)	1	34.7	34.7	7	15.3	7.2 - 34.7	(200.0)	
Strontium (mg/L)	1	0.360	0.360	7	0.438	0.360 - 0.478	7.000	
Sulphate Dissolved (mg/L)	4	93.6	78.3 - 123.0	32	81.1	62.0 - 123.0	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	7	0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	31	178.8	166.0 - 264.0	212	176.5	148.0 - 264.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	7	<0.005	<0.005	(5.000)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	31	<1.0	<1.0	212	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	31	0.7	<0.5 - 1.0	212	0.53	<0.40 - 1.00		
Xylene (1,2) (µg/L)	31	0.7	<0.5 - 1.0	212	0.52	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	8.9	8.9	7	8.3	5.8 - 9.6		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 1.8	210	1.4	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	2.1	1.7 - 2.4	30	1.6	0.9 - 3.1		
Tetrachloroethane (1,1,2,2) (µg/L)	31	1.5	<0.5 - 5.0	212	<5.0	<0.5 - <5.0		
Styrene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	1.4	<1.0 - 2.0	212	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Dichloroethylene (1,1) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	14.0	
Dichloroethane (1,2) (µg/L)	31	0.7	<0.5 - 1.0	210	0.5	<0.5 - 1.0	5.0	
Dichlorobenzene (1,3) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	9.9	9.9	7	7.8	5.5 - 9.9		
Dibromochloromethane (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Chloroform (µg/L)	31	32.8	18.4 - 43.3	212	16.0	3.8 - 43.3	(40.0)	
Chlorobenzene (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Bromoform (µg/L)	31	0.7	<0.5 - 1.0	212	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	31	1.7	1.1 - 2.4	212	1.1	<0.5 - 2.4		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	<0.05	<0.05	1.00	
Gross Alpha (Bq/L)				1	<0.12	<0.12	0.50	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
EL Smith Combined Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	93.8	91.4	212	97.4	90.8 - 97.4		
UV Absorbance (UV Abs/cm)	31	0.033	0.028 - 0.039	212	0.026	0.011 - 0.042		
EL Smith Treated								
Turbidity (NTU)	31	0.05	<0.04 - 0.13	212	0.04	<0.04 - 0.13	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	93.5	89.3	209	96.9	89.3 - 96.9		
UV Absorbance (UV Abs/cm)	31	0.036	0.029 - 0.049	209	0.027	0.014 - 0.049		
Rossdale Treated								
Turbidity (NTU)	31	0.04	<0.04 - 0.07	209	0.04	<0.04 - 0.10	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	<0.5	<0.5	212	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	25.4	15.4 - 32.3	212	13.5	4.2 - 32.3	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	212	<1.0	<0.50 - <1.0	2.00	
Rossdale Treated								
Benzene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	<0.5	<0.5	209	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	28.3	17.9 - 34.8	209	15.8	4.8 - 34.8	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	209	<1.0	<0.50 - <1.0	2.00	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Inorganics								
EL Smith Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	32	0.005	<0.005 - 0.010	0.010	
Chlorate Dissolved (mg/L)	4	0.12	0.11 - 0.13	32	0.12	0.08 - 0.17	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	32	0.005	<0.005 - 0.010	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.06	0.03 - 0.08	32	0.09	0.02 - 0.41	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	32	0.02	<0.02 - 0.02	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	32	0.005	<0.005 - 0.010	0.010	
Chlorate Dissolved (mg/L)	4	0.04	0.03 - 0.04	32	0.25	0.03 - 0.48	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	32	0.006	<0.005 - 0.037	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.07	0.05 - 0.08	32	0.08	0.01 - 0.21	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	32	0.02	0.02	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	15	0.09	0.07 - 0.12	106	0.08	<0.05 - 0.13		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	32	0.03	<0.03 - 0.06		
Chloride Dissolved (mg/L)	4	8.0	7.0 - 8.9	32	7.5	5.6 - 13.0	(250.0)	
Sulphate Dissolved (mg/L)	4	92.8	79.1 - 111.0	32	82.4	62.1 - 147.0	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	15	0.10	0.07 - 0.13	103	0.08	<0.05 - 0.19		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	32	0.03	<0.03 - 0.06		
Chloride Dissolved (mg/L)	4	5.2	4.9 - 5.7	32	7.8	4.9 - 14.7	(250.0)	
Sulphate Dissolved (mg/L)	4	88.0	77.7 - 109.0	32	77.8	62.4 - 118.0	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	31	1.3	0.7 - 2.0	212	0.9	<0.5 - 2.0		
Bromoform (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	24.0	14.6 - 30.8	212	12.4	3.2 - 30.8	(40.0)	
Dibromochloromethane (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	212	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	1.4	<0.5 - 5.0	212	<5.0	<0.5 - <5.0		
Total Volatile Organics (Non THM) (µg/L)	31	1.0	<1.0 - 1.4	210	1.4	<1.0 - 3.9		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	212	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	212	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	<0.5	<0.5	212	<0.5	<0.40 - <0.5		
Xylenes total (µg/L)	31	<1.0	<1.0	212	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Bromodichloromethane (µg/L)	31	1.8	1.2 - 2.5	209	1.2	0.5 - 2.5		
Bromoform (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	26.4	16.5 - 32.7	209	14.4	3.5 - 32.7	(40.0)	
Dibromochloromethane (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	209	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	1.4	<0.5 - 5.0	209	<5.0	<0.5 - <5.0		
Total Volatile Organics (Non THM) (µg/L)	31	1.0	<1.0 - 1.2	207	1.4	<1.0 - 4.2		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	209	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	209	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	<0.5	<0.5	209	0.50	<0.40 - 0.70		
Xylenes total (µg/L)	31	<1.0	<1.0	209	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	3	Not Detected	Not Detected	25	18.4	461.1	0.0	
Coliforms total (PA/100mL)	192	-VE	-VE	1204	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	3	Not Detected	Not Detected	25	Not Detected	Not Detected	0.0	
E. coli (PA/100mL)	192	-VE	-VE	1204	-VE	-VE	0.0	
Physical								
Colour (TCU)	1	0.6	0.6	3	0.6	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				1	387.0	387.0		
pH	3	8	8	15	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	358.00	358.00	3	236.33	127.00 - 358.00	(500.00)	
Turbidity (NTU)	195	0.29	<0.04 - 2.53	1233	0.21	<0.04 - 4.62	(3.00)	1.00
UV Absorbance (UV Abs/cm)	1	0.046	0.046	3	0.036	0.029 - 0.046		
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.094	0.094	4	0.068	0.054 - 0.094	2.000	
Boron (mg/L)	1	0.026	0.026	4	0.015	0.010 - 0.026	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	13	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.12	0.11 - 0.14	13	0.17	0.10 - 0.34	1.00	
Chlorine total (mg/L)	195	1.68	0.65 - 2.15	1233	1.79	0.35 - 2.42		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	13	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.200	
Fluoride (mg/L)	1	0.68	0.68	4	0.67	0.64 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.014	0.014	4	0.005	<0.002 - 0.014	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	65	0.08	0.02 - 0.12	107	0.10	0.02 - 0.44	10.00	
Nitrite (as N) dissolved (mg/L)	65	0.02	0.01 - 0.02	107	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0005	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	5.0	
Benzene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	30.00	
Carbon Tetrachloride (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	3	0.1	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	3	0.1	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	3	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	5.0	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	2	28.3	26.9 - 29.6	21	19.5	9.3 - 29.6	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	3	0.1	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	3	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	3	0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.0055	0.0043 - 0.0067	19	0.0022	<0.0009 - 0.0067	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	3	0.05	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	3	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	3	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	3	<2.0	<2.0		
Tetrachloroethylene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	10.0	
Toluene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	3	<12.0	<12.0		
Trichloroethylene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	3	0.2	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	4	31.0	27.6 - 34.6	39	19.2	7.7 - 35.3	100.0	50.0
Vinyl Chloride (µg/L)	4	<1.0	<1.0	39	<1.0	<1.0	2.0	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	120.0	120.0	4	114.8	101.0 - 123.0		
Aluminum (mg/L)	1	0.019	0.019	4	0.037	0.009 - 0.083	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	65	0.18	0.07 - 0.33	107	0.16	0.07 - 0.33		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	13	0.03	<0.03		
Calcium (mg/L)	1	62.1	62.1	4	50.5	41.9 - 62.1		
Calcium Hardness (mg/L CaCO ₃)				1	105.0	105.0		
Chloride Dissolved (mg/L)	2	8.4	8.0 - 8.7	13	7.1	5.3 - 8.7	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	3	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	0.003	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)	1	0.058	0.058	4	0.018	<0.005 - 0.058	(0.100)	
Lithium (mg/L)	1	0.0021	0.0021	4	0.0030	0.0021 - 0.0037		
Magnesium (mg/L)	1	12.9	12.9	4	13.7	12.5 - 15.5		
Molybdenum (mg/L)	1	0.0006	0.0006	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0012	0.0012	4	0.0008	<0.0005 - 0.0012		
Phosphate Ortho (as P) (mg/L as P)	2	0.84	0.78 - 0.90	12	0.88	0.78 - 0.92		
Phosphorus (mg/L)	1	0.99	0.99	4	0.98	0.94 - 1.01		
Potassium (mg/L)	1	1.6	1.6	4	1.3	0.7 - 1.7		
Silicon (mg/L)	1	3.44	3.44	4	2.46	1.91 - 3.44		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	40.8	40.8	4	20.7	7.9 - 40.8	(200.0)	
Strontium (mg/L)	1	0.362	0.362	4	0.425	0.362 - 0.474	7.000	
Sulphate Dissolved (mg/L)	2	149.0	148.0 - 150.0	13	84.2	64.8 - 150.0	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	194.0	194.0	4	175.3	156.0 - 194.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

July 2026



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)	2	<1.00	<1.00	21	<1.00	<1.00		
Bromodichloromethane (µg/L)	4	1.8	1.3 - 2.2	39	1.3	<0.5 - 2.2		
Bromoform (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Chlorobenzene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Chloroform (µg/L)	4	29.1	25.9 - 32.3	39	17.7	6.8 - 33.3		
Dibromoacetic acid (µg/L)	2	<1.00	<1.00	21	<1.00	<1.00		
Dibromochloromethane (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Dichloroacetic acid (µg/L)	2	14.5	14.0 - 15.0	21	9.7	4.6 - 15.0		
Dichlorobenzene (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	4	<1.0	<1.0	39	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	2	<1.00	<1.00	21	<1.00	<1.00		
Monochloroacetic acid (µg/L)	2	1.3	1.2 - 1.3	21	1.0	<1.00 - 1.3		
Styrene (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	4	1.6	<0.5 - 5.0	39	<5.0	<0.5 - <5.0		
Total Organic Carbon (mg/L)	2	2.7	2.5 - 2.8	13	1.7	1.2 - 2.8		
Total Volatile Organics (Non THM) (µg/L)	4	<1.0	<1.0	39	1.4	<1.0 - 3.9		
Trichloroacetic acid (µg/L)	2	12.5	11.7 - 13.3	21	9.6	4.7 - 14.4		
Trichlorobenzene (1,2,4) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Xylene (1,2) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Xylene (1,4) (µg/L)	4	<0.5	<0.5	39	<0.5	<0.5		
Xylenes total (µg/L)	4	<1.0	<1.0	39	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	8	7.7	0.5 - 49.7	62	1.7	<0.5 - 49.7	(15.0)	10.0
pH	8	8	8	62	8	8		7 - 8
Turbidity (NTU)	8	0.43	0.06 - 1.31	62	0.37	<0.04 - 2.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	8	<0.0005	<0.0005	62	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	8	0.0002	<0.0002	62	0.0002	<0.0002 - 0.0003	0.0100	
Barium (mg/L)	8	0.075	0.065 - 0.105	62	0.066	<0.002 - 0.135	2.000	
Boron (mg/L)	8	0.013	0.010 - 0.022	62	0.023	0.009 - 0.095	5.000	
Cadmium (mg/L)	8	<0.00002	<0.00002	62	0.00002	<0.00002 - 0.00004	0.00700	
Chlorine total (mg/L)	8	1.76	1.36 - 2.06	62	1.80	1.30 - 2.09		1.00 - 2.40
Chromium (mg/L)	8	0.0002	<0.0002	62	0.0002	<0.0002	0.0500	
Lead (mg/L)	8	0.0002	<0.0002	62	0.0002	<0.0002 - 0.0009	0.0050	
Manganese (mg/L)	8	0.004	<0.002 - 0.008	62	0.005	<0.002 - 0.104	0.120 (0.020)	
Selenium (mg/L)	8	0.0003	0.0002 - 0.0003	62	0.0003	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	8	<0.0005	<0.0005	62	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	2.0	
Dichlorobenzene (1,4) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	5.0	
Ethylbenzene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	10.0	
Toluene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	8	39.8	28.2 - 49.8	62	20.9	7.6 - 49.8	100.0	50.0
Vinyl Chloride (µg/L)	8	1.6	<1.0 - 2.0	62	1.1	<1.0 - 2.0	2.0	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	8	2.1	1.5 - 2.9	62	1.4	<0.5 - 2.9		
Bromoform (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Chlorobenzene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Chloroform (µg/L)	8	37.5	26.6 - 47.7	62	19.3	6.1 - 47.7		
Dibromochloromethane (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Dichloroethylene (1,1) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	14.0	
Dichloroethylene cis (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	8	1.6	<1.0 - 2.0	62	1.1	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	8	1.0	<1.0 - 1.1	62	1.4	<1.0 - 4.0		
Trichlorobenzene (1,2,4) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Xylene (1,2) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Xylene (1,4) (µg/L)	8	0.8	<0.5 - 1.0	62	0.5	<0.5 - 1.0		
Xylenes total (µg/L)	8	<1.0	<1.0	62	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	8	0.050	0.019 - 0.164	62	0.065	<0.005 - 0.516	2.900 (0.100)	
Beryllium (mg/L)	8	0.0002	<0.0002	62	0.0002	<0.0002		
Calcium (mg/L)	8	50.1	46.8 - 60.0	62	48.1	<0.1 - 60.0		
Cobalt (mg/L)	8	0.0002	<0.0002 - 0.0003	62	0.0002	<0.0002 - 0.0006		
Copper (mg/L)	8	0.003	<0.002 - 0.008	62	0.003	<0.002 - 0.013	2.000 (1.000)	
Iron (mg/L)	8	0.061	<0.005 - 0.214	62	0.081	<0.005 - 1.240	(0.100)	
Lithium (mg/L)	8	0.0032	0.0016 - 0.0039	62	0.0034	0.0003 - 0.0045		
Magnesium (mg/L)	8	13.9	13.2 - 14.3	62	13.9	<0.1 - 16.5		
Molybdenum (mg/L)	8	0.0007	0.0007 - 0.0008	62	0.0007	0.0004 - 0.0010		
Nickel (mg/L)	8	0.0008	<0.0005 - 0.0012	62	0.0008	<0.0005 - 0.0044		
Phosphorus (mg/L)	8	0.90	0.82 - 0.99	62	0.97	0.82 - 1.29		
Potassium (mg/L)	8	1.3	1.0 - 1.7	62	1.6	<0.1 - 5.2		
Silicon (mg/L)	8	2.84	2.23 - 3.20	62	2.46	1.85 - 3.47		
Silver (mg/L)	8	<0.00002	<0.00002	62	0.00002	<0.00002		
Sodium (mg/L)	8	21.5	16.2 - 28.3	62	19.7	7.0 - 102.0	(200.0)	
Strontium (mg/L)	8	0.383	0.361 - 0.417	62	0.422	<0.002 - 0.481	7.000	
Thallium (mg/L)	8	0.0002	<0.0002	62	0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	8	182.3	175.0 - 204.0	62	177.5	<2 - 206.0		
Vanadium (mg/L)	8	<0.0005	<0.0005	62	0.0005	<0.0005		
Zinc (mg/L)	8	<0.005	<0.005	62	0.005	<0.005 - 0.008	(5.000)	

2.2.8 Castledowns Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				3	421.3	402.0 - 453.0		
pH				3	8	8		7 - 8
Turbidity (NTU)	4	0.13	<0.04 - 0.30	30	0.08	<0.04 - 0.30	(3.00)	1.00
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)	1	28.1	28.1	1	28.1	28.1	80.0	40.0
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	0.0052	0.0052	1	0.0052	0.0052	0.0400	0.0100
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	27.9	27.9	4	19.9	7.9 - 27.9	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				3	0.066	0.056 - 0.075	2.000	
Boron (mg/L)				3	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.11	0.09 - 0.13	1.00	
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.67	0.65 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				3	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.000	
Selenium (mg/L)				3	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0006	0.0200	
Chlorine total (mg/L)	4	1.66	1.62 - 1.71	30	1.83	1.58 - 1.97		1.00 - 2.40
Nitrate (as N) dissolved (mg/L)	4	0.08	0.06 - 0.09	10	0.09	0.06 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.02	1.00	

2.2.8 Castledowns Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	120.0	120.0	4	118.8	110.0 - 129.0		
Aluminum (mg/L)				3	0.037	0.016 - 0.076	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.18	0.16 - 0.19	10	0.15	0.08 - 0.19		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				3	49.7	47.3 - 52.3		
Calcium Hardness (mg/L CaCO ₃)				3	124.3	118.0 - 131.0		
Chloride Dissolved (mg/L)				3	7.7	6.8 - 8.7	(250.0)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0034	0.0032 - 0.0036		
Magnesium (mg/L)				3	14.6	13.4 - 15.9		
Molybdenum (mg/L)				3	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.78 - 0.94	30	0.89	0.78 - 0.94		
Phosphorus (mg/L)				3	0.97	0.94 - 1.01		
Potassium (mg/L)				3	1.1	0.8 - 1.2		
Silicon (mg/L)				3	2.47	2.08 - 2.67		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	17.4	8.2 - 29.4	(200.0)	
Strontium (mg/L)				3	0.435	0.398 - 0.460	7.000	
Sulphate Dissolved (mg/L)				3	84.4	67.4 - 110.0	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				3	184.0	177.0 - 196.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	

2.2.8 Castledowns Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	1	<1.00	<1.00		
Bromodichloromethane (µg/L)	1	1.2	1.2	4	1.2	1.1 - 1.3		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	26.7	26.7	4	18.6	6.3 - 26.7		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	1	<1.00	<1.00		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroacetic acid (µg/L)	1	14.8	14.8	1	14.8	14.8		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	1	<1.00	<1.00		
Monochloroacetic acid (µg/L)	1	1.6	1.6	1	1.6	1.6		
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.1	1.8 - 2.5	10	2.0	1.0 - 2.5		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.0	<1.0 - 1.1		
Trichloroacetic acid (µg/L)	1	11.7	11.7	1	11.7	11.7		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	4	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	429.0	429.0	4	405.5	379.0 - 429.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.15	0.12 - 0.21	29	0.16	0.06 - 0.45	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.078	0.078	4	0.068	0.062 - 0.078	2.000	
Boron (mg/L)	1	0.013	0.013	4	0.011	0.009 - 0.013	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.04	0.04	4	0.21	0.04 - 0.30	1.00	
Chlorine total (mg/L)	4	1.61	1.49 - 1.67	29	1.59	1.17 - 1.88		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.71	0.71	4	0.71	0.68 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.000005	<0.000005	1	<0.000005	<0.000005		
Nitrate (as N) dissolved (mg/L)	4	0.09	0.07 - 0.10	10	0.09	0.03 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	38.6	38.6	4	25.4	20.3 - 38.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.9 Clareview Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	110.0	110.0	4	119.3	110.0 - 129.0		
Aluminum (mg/L)	1	0.021	0.021	4	0.057	0.021 - 0.077	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.18	0.17 - 0.19	10	0.15	0.10 - 0.19		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	51.7	51.7	4	51.5	47.7 - 53.7		
Calcium Hardness (mg/L CaCO ₃)	1	129.0	129.0	4	128.5	119.0 - 134.0		
Chloride Dissolved (mg/L)	1	5.4	5.4	4	6.3	5.4 - 7.3	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.016	0.016	4	0.017	0.010 - 0.031	(0.100)	
Lithium (mg/L)	1	0.0028	0.0028	4	0.0034	0.0028 - 0.0036		
Magnesium (mg/L)	1	13.6	13.6	4	14.9	13.6 - 16.0		
Molybdenum (mg/L)	1	0.0008	0.0008	4	0.0008	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0008	0.0008	4	0.0006	<0.0005 - 0.0008		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.78 - 1.00	29	0.91	0.78 - 1.00		
Phosphorus (mg/L)	1	0.99	0.99	4	0.98	0.95 - 1.01		
Potassium (mg/L)	1	1.3	1.3	4	1.0	0.8 - 1.3		
Silicon (mg/L)	1	3.14	3.14	4	2.53	1.91 - 3.14		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	18.4	18.4	4	11.7	7.5 - 18.4	(200.0)	
Strontium (mg/L)	1	0.363	0.363	4	0.441	0.363 - 0.481	7.000	
Sulphate Dissolved (mg/L)	1	93.5	93.5	4	75.4	67.0 - 93.5	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	185.0	185.0	4	189.8	177.0 - 199.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	0.005	<0.005 - 0.006	(5.000)	

2.2.9 Clareview Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.8	1.8	4	1.4	1.0 - 1.8		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	36.8	36.8	4	23.9	19.1 - 36.8		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	1.9 - 2.6	10	2.1	1.3 - 2.9		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.7	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.6	0.6	4	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	541.0	541.0	4	434.5	398.0 - 541.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.17	30	0.10	0.05 - 0.19	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.106	0.106	4	0.072	0.055 - 0.106	2.000	
Boron (mg/L)	1	0.027	0.027	4	0.016	0.009 - 0.027	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	5	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	0.00003	0.00003	4	0.00002	<0.00002 - 0.00003	0.00700	
Chlorate Dissolved (mg/L)	1	0.12	0.12	5	0.11	0.09 - 0.12	1.00	
Chlorine total (mg/L)	4	1.19	1.14 - 1.24	30	1.27	0.98 - 1.90		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	5	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)								
Fluoride (mg/L)	1	0.63	0.63	4	0.67	0.63 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.019	0.019	4	0.006	<0.002 - 0.019	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.000005	<0.000005	1	<0.000005	<0.000005		
Nitrate (as N) dissolved (mg/L)	4	0.10	0.09 - 0.12	11	0.10	0.09 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.01 - 0.02	11	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	4	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)								
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				2	19.85	17.80 - 21.90	80.00	40.00
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	50.0	
Microcystin total (µg/L)								
Nitrilotriacetic acid (NTA) (mg/L)								
Nitrosodimethylamine, N- [NDMA] (µg/L)				1	0.00357	0.00357	0.04000	0.01000
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	26.0	26.0	5	18.3	10.5 - 26.0	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	5	<1.0	<1.0	2.0	

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)								
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)								
Atrazine + metabolites (µg/L)								
Bromoxynil (µg/L)								
Chlorpyrifos (µg/L)								
Cyanazine (µg/L)								
Dicamba (µg/L)								
Dichlorophenol (2,4) (µg/L)								
Dimethoate (µg/L)								
Diquat (µg/L)								
Glyphosate (µg/L)								
Malathion (µg/L)								
Metribuzin (µg/L)								
Omethoate (µg/L)								
Omethoate (as dimethoate) (µg/L)								
Pentachlorophenol (µg/L)								
Perfluorooctanesulfonic acid (PFOS) (ng/L)								
Perfluorooctanoic Acid (PFOA) (ng/L)								
Total PFAS (ng/L)								
Trichlorophenol (2,4,6) (µg/L)								

2.2.10 Discovery Park Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	113.0	113.0	4	117.5	105.0 - 128.0		
Aluminum (mg/L)	1	0.031	0.031	4	0.053	0.025 - 0.080	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.24	0.22 - 0.25	9	0.20	0.14 - 0.25		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	5	<0.03	<0.03		
Calcium (mg/L)	1	58.5	58.5	4	52.1	44.9 - 58.5		
Calcium Hardness (mg/L CaCO ₃)	1	146.0	146.0	4	130.3	112.0 - 146.0		
Chloride Dissolved (mg/L)	1	8.8	8.8	5	7.2	5.8 - 8.9	(250.0)	
Cobalt (mg/L)	1	0.0002	0.0002	4	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0022	0.0022	4	0.0031	0.0022 - 0.0035		
Magnesium (mg/L)	1	12.7	12.7	4	14.4	12.7 - 15.8		
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0013	0.0013	4	0.0007	<0.0005 - 0.0013		
Phosphate Ortho (as P) (mg/L as P)	4	0.98	0.94 - 1.02	30	0.90	0.84 - 1.02		
Phosphorus (mg/L)	1	1.01	1.01	4	0.97	0.92 - 1.01		
Potassium (mg/L)	1	1.7	1.7	4	1.3	0.8 - 1.8		
Silicon (mg/L)	1	3.22	3.22	4	2.56	2.06 - 3.22		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	37.9	37.9	4	18.0	7.4 - 37.9	(200.0)	
Strontium (mg/L)	1	0.380	0.380	4	0.442	0.380 - 0.495	7.000	
Sulphate Dissolved (mg/L)	1	145.0	145.0	5	84.6	64.8 - 145.0	(500.0)	
Sulphide (mg/L)								
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	199.0	199.0	4	189.3	166.0 - 199.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.10 Discovery Park Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)				2	<1.00	<1.00		
Bromodichloromethane (µg/L)	1	1.3	1.3	5	1.2	0.9 - 1.3		
Bromoform (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Chloroform (µg/L)	1	24.7	24.7	5	17.0	8.7 - 24.7		
Dibromoacetic acid (µg/L)				2	<1.00	<1.00		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Dichloroacetic acid (µg/L)				2	10.55	9.10 - 12.00		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	5	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)				2	<1.00	<1.00		
Monochloroacetic acid (µg/L)				2	<1.00	<1.00		
Styrene (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.5	2.3 - 3.1	10	2.0	1.1 - 3.1		
Total Volatile Organics (Non THM) (µg/L)	1	1.1	1.1	5	1.5	<1.0 - 3.6		
Trichloroacetic acid (µg/L)				2	9.27	8.65 - 9.89		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	5	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	5	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.7	0.7	4	0.7	0.6 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	432.0	432.0	4	415.0	405.0 - 432.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.05	<0.04 - 0.07	30	0.08	<0.04 - 0.16	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.069	0.069	4	0.067	0.064 - 0.069	2.000	
Boron (mg/L)	1	0.011	0.011	4	0.010	0.009 - 0.011	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.13	0.13	4	0.13	0.11 - 0.15	1.00	
Chlorine total (mg/L)	4	1.86	1.81 - 1.92	30	1.91	1.72 - 2.11		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.65	0.65	4	0.69	0.65 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				3	0.0054	<0.0050 - 0.0061	1.0000	
Nitrate (as N) dissolved (mg/L)	4	0.07	0.05 - 0.08	10	0.07	0.02 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	37.4	37.4	4	22.9	15.8 - 37.4	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.11 Kaskitayo Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	115.0	115.0	4	122.8	115.0 - 130.0		
Aluminum (mg/L)	1	0.023	0.023	4	0.061	0.023 - 0.093	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.17	0.15 - 0.21	9	0.14	0.07 - 0.21		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	48.0	48.0	4	51.5	48.0 - 54.4		
Calcium Hardness (mg/L CaCO ₃)	1	120.0	120.0	4	128.5	120.0 - 136.0		
Chloride Dissolved (mg/L)	1	8.5	8.5	4	7.1	5.7 - 8.5	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0029	0.0029	4	0.0033	0.0029 - 0.0036		
Magnesium (mg/L)	1	13.6	13.6	4	15.1	13.6 - 16.6		
Molybdenum (mg/L)	1	0.0008	0.0008	4	0.0008	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0007	0.0007	4	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.99	0.80 - 1.14	30	0.91	0.80 - 1.14		
Phosphorus (mg/L)	1	1.02	1.02	4	0.99	0.96 - 1.02		
Potassium (mg/L)	1	1.0	1.0	4	0.9	0.8 - 1.0		
Silicon (mg/L)	1	2.90	2.90	4	2.51	1.89 - 2.90		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	22.4	22.4	4	13.4	7.5 - 22.4	(200.0)	
Strontium (mg/L)	1	0.374	0.374	4	0.441	0.374 - 0.475	7.000	
Sulphate Dissolved (mg/L)	1	88.3	88.3	4	76.1	67.3 - 88.3	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	176.0	176.0	4	191.0	176.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.11 Kaskitayo Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.6	1.6	4	1.2	1.0 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	35.6	35.6	4	21.4	14.5 - 35.6		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	2.1 - 2.6	10	2.0	1.6 - 2.6		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.8	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.12 Londonderry Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.6	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				3	410.7	403.0 - 420.0		
pH				3	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.04 - 0.08	30	0.10	0.04 - 0.37	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				3	0.065	0.056 - 0.073	2.000	
Boron (mg/L)				3	0.014	0.010 - 0.018	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.24	0.21 - 0.28	1.00	
Chlorine total (mg/L)	4	1.63	1.49 - 1.70	30	1.79	1.45 - 1.95		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.70	0.67 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.06 - 0.10	10	0.10	0.06 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				3	0.0003	0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	20.2	10.5 - 26.9	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	

2.2.12 Londonderry Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)				3	115.7	105.0 - 131.0		
Aluminum (mg/L)				3	0.039	0.019 - 0.069	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.17	0.16 - 0.18	10	0.15	0.09 - 0.18		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				3	49.7	46.5 - 53.0		
Calcium Hardness (mg/L CaCO ₃)				3	124.0	116.0 - 132.0		
Chloride Dissolved (mg/L)				3	8.5	7.2 - 9.8	(250.0)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0035	0.0032 - 0.0038		
Magnesium (mg/L)				3	14.7	13.9 - 15.9		
Molybdenum (mg/L)				3	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.80 - 0.94	30	0.91	0.80 - 0.94		
Phosphorus (mg/L)				3	0.99	0.98 - 1.00		
Potassium (mg/L)				3	1.1	0.8 - 1.4		
Silicon (mg/L)				3	2.47	2.13 - 2.73		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	14.0	8.5 - 19.5	(200.0)	
Strontium (mg/L)				3	0.435	0.410 - 0.448	7.000	
Sulphate Dissolved (mg/L)				3	79.3	67.8 - 92.6	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				3	184.7	175.0 - 198.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	

2.2.12 Londonderry Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.5	1.4 - 1.6		
Bromoform (µg/L)				3	<0.5	<0.5		
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	18.5	8.6 - 25.2		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	2.0 - 2.6	10	2.1	1.1 - 2.7		
Total Volatile Organics (Non THM) (µg/L)				3	1.2	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.13 Millwoods Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				3	444.7	403.0 - 519.0		
pH				3	8	8		7 - 8
Turbidity (NTU)	4	0.05	<0.04 - 0.06	30	0.08	<0.04 - 0.21	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				3	0.066	0.057 - 0.075	2.000	
Boron (mg/L)				3	0.015	0.010 - 0.021	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.13	0.09 - 0.15	1.00	
Chlorine total (mg/L)	4	1.85	1.82 - 1.90	30	1.93	1.74 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.67	0.62 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				3	0.003	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.07	0.05 - 0.08	10	0.08	0.05 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.02	1.00	
Selenium (mg/L)				3	0.0003	0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	16.7	7.1 - 23.7	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	

2.2.13 Millwoods Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)				3	117.0	109.0 - 128.0		
Aluminum (mg/L)				3	0.041	0.020 - 0.078	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.16	0.15 - 0.18	9	0.14	0.08 - 0.18		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				3	50.0	47.2 - 53.7		
Calcium Hardness (mg/L CaCO ₃)				3	125.0	118.0 - 134.0		
Chloride Dissolved (mg/L)				3	8.1	7.7 - 8.9	(250.0)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0035	0.0034 - 0.0038		
Magnesium (mg/L)				3	14.5	13.3 - 16.0		
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.80 - 0.98	30	0.90	0.80 - 0.98		
Phosphorus (mg/L)				3	0.99	0.97 - 1.02		
Potassium (mg/L)				3	1.1	0.8 - 1.2		
Silicon (mg/L)				3	2.55	2.11 - 2.82		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	17.7	8.7 - 29.8	(200.0)	
Strontium (mg/L)				3	0.433	0.391 - 0.457	7.000	
Sulphate Dissolved (mg/L)				3	85.2	67.8 - 112.0	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				3	184.3	176.0 - 200.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	

2.2.13 Millwoods Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.1	1.0 - 1.2		
Bromoform (µg/L)				3	<0.5	<0.5		
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	15.4	5.6 - 22.4		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	2.0 - 2.6	10	2.1	1.0 - 2.6		
Total Volatile Organics (Non THM) (µg/L)				3	1.1	<1.0 - 1.2		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	4	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	491.0	491.0	4	425.3	394.0 - 491.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.06 - 0.21	30	0.11	0.05 - 0.44	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.084	0.084	4	0.070	0.061 - 0.084	2.000	
Boron (mg/L)	1	0.018	0.018	4	0.012	0.009 - 0.018	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.13	0.13	4	0.12	0.11 - 0.14	1.00	
Chlorine total (mg/L)	4	1.38	1.29 - 1.45	30	1.64	1.29 - 1.82		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.64	0.64	4	0.67	0.64 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.009	0.009	4	0.004	<0.002 - 0.009	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.000005	<0.000005	1	<0.000005	<0.000005		
Nitrate (as N) dissolved (mg/L)	4	0.09	0.07 - 0.10	10	0.09	0.03 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.01 - 0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	37.0	37.0	4	23.0	16.2 - 37.0	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.14 North Jasper Place Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	116.0	116.0	4	122.3	114.0 - 131.0		
Aluminum (mg/L)	1	0.029	0.029	4	0.092	0.029 - 0.221	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.21	0.20 - 0.23	10	0.18	0.10 - 0.23		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	53.9	53.9	4	52.3	47.0 - 55.2		
Calcium Hardness (mg/L CaCO ₃)	1	135.0	135.0	4	130.5	117.0 - 138.0		
Chloride Dissolved (mg/L)	1	8.6	8.6	4	7.0	5.8 - 8.6	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.010	0.010	4	0.008	<0.005 - 0.011	(0.100)	
Lithium (mg/L)	1	0.0026	0.0026	4	0.0032	0.0026 - 0.0037		
Magnesium (mg/L)	1	13.6	13.6	4	15.0	13.6 - 16.3		
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0007		
Nickel (mg/L)	1	0.0009	0.0009	4	0.0006	<0.0005 - 0.0009		
Phosphate Ortho (as P) (mg/L as P)	4	0.95	0.84 - 1.08	30	0.91	0.82 - 1.08		
Phosphorus (mg/L)	1	1.02	1.02	4	0.98	0.92 - 1.04		
Potassium (mg/L)	1	1.3	1.3	4	1.0	0.8 - 1.3		
Silicon (mg/L)	1	3.13	3.13	4	2.53	1.88 - 3.13		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	31.2	31.2	4	15.7	7.4 - 31.2	(200.0)	
Strontium (mg/L)	1	0.372	0.372	4	0.444	0.372 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	113.0	113.0	4	81.5	66.2 - 113.0	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	190.0	190.0	4	192.0	175.0 - 205.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.14 North Jasper Place Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.6	1.6	4	1.2	0.9 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	35.4	35.4	4	21.5	15.1 - 35.4		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.4	1.9 - 3.1	10	2.0	1.3 - 3.1		
Total Volatile Organics (Non THM) (µg/L)	1	1.2	1.2	4	1.8	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.15 Ormsby Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.9	<0.5 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				2	404.5	403.0 - 406.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.06	<0.04 - 0.07	28	0.09	<0.04 - 0.48	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.062	0.058 - 0.066	2.000	
Boron (mg/L)				2	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.10	0.09 - 0.11	1.00	
Chlorine total (mg/L)	4	1.69	1.60 - 1.82	28	1.88	1.60 - 2.21		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.70	0.68 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	4	0.08	0.06 - 0.09	9	0.09	0.06 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	9	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	13.3	7.4 - 19.1	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.15 Ormsby Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)				2	121.5	114.0 - 129.0		
Aluminum (mg/L)				2	0.051	0.020 - 0.082	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.18	0.16 - 0.21	8	0.15	0.08 - 0.21		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	50.1	47.4 - 52.8		
Calcium Hardness (mg/L CaCO ₃)				2	125.0	118.0 - 132.0		
Chloride Dissolved (mg/L)				2	7.3	6.8 - 7.7	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0034 - 0.0038		
Magnesium (mg/L)				2	15.2	14.4 - 15.9		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.80 - 0.94	28	0.90	0.80 - 1.00		
Phosphorus (mg/L)				2	0.96	0.96		
Potassium (mg/L)				2	1.0	0.8 - 1.2		
Silicon (mg/L)				2	2.42	2.06 - 2.77		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.5	8.2 - 14.7	(200.0)	
Strontium (mg/L)				2	0.454	0.452 - 0.455	7.000	
Sulphate Dissolved (mg/L)				2	71.7	67.5 - 75.9	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				2	187.5	178.0 - 197.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.15 Ormsby Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	12.1	6.0 - 18.1		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.4	2.0 - 2.9	9	2.1	0.9 - 2.9		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.16 Papaschase Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				3	432.7	399.0 - 492.0		
pH				3	8	8		7 - 8
Turbidity (NTU)	4	0.13	0.04 - 0.17	30	0.13	0.04 - 0.27	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				3	0.064	0.055 - 0.074	2.000	
Boron (mg/L)				3	0.013	0.010 - 0.015	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.23	0.21 - 0.25	1.00	
Chlorine total (mg/L)	4	1.49	1.39 - 1.68	30	1.71	1.30 - 1.98		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.69	0.66 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.08 - 0.10	10	0.10	0.08 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	19.1	10.4 - 25.2	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	

2.2.16 Papaschase Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)				3	116.3	106.0 - 128.0		
Aluminum (mg/L)				3	0.044	0.023 - 0.065	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.20	0.18 - 0.21	9	0.16	0.10 - 0.21		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				3	50.0	47.5 - 53.0		
Calcium Hardness (mg/L CaCO ₃)				3	125.0	119.0 - 132.0		
Chloride Dissolved (mg/L)				3	7.9	6.0 - 9.3	(250.0)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	0.010	0.006 - 0.016	(0.100)	
Lithium (mg/L)				3	0.0035	0.0033 - 0.0037		
Magnesium (mg/L)				3	14.7	13.5 - 15.8		
Molybdenum (mg/L)				3	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.84 - 0.90	30	0.90	0.84 - 0.92		
Phosphorus (mg/L)				3	0.98	0.95 - 1.01		
Potassium (mg/L)				3	1.1	0.8 - 1.3		
Silicon (mg/L)				3	2.50	2.12 - 2.69		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	14.5	7.6 - 22.3	(200.0)	
Strontium (mg/L)				3	0.440	0.406 - 0.458	7.000	
Sulphate Dissolved (mg/L)				3	81.1	67.2 - 99.0	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				3	185.0	179.0 - 197.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	

2.2.16 Papaschase Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.5	1.2 - 1.7		
Bromoform (µg/L)				3	<0.5	<0.5		
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	17.5	8.4 - 23.5		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	2.1 - 2.6	10	2.1	1.2 - 2.6		
Total Volatile Organics (Non THM) (µg/L)				3	1.1	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.6	0.6	4	1.0	0.6 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	429.0	429.0	4	412.0	392.0 - 429.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.08 - 0.15	30	0.09	0.05 - 0.17	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.079	0.079	4	0.069	0.065 - 0.079	2.000	
Boron (mg/L)	1	0.014	0.014	4	0.011	0.009 - 0.014	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.06	0.06	4	0.19	0.06 - 0.29	1.00	
Chlorine total (mg/L)	4	1.71	1.66 - 1.73	30	1.84	1.45 - 1.97		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.69	0.69	4	0.73	0.69 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.002	0.002	4	0.002	<0.002 - 0.002	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	4	0.08	0.06 - 0.09	10	0.08	0.02 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	38.4	38.4	4	24.3	16.4 - 38.4	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.17 Papaschase Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	110.0	110.0	4	121.0	110.0 - 130.0		
Aluminum (mg/L)	1	0.025	0.025	4	0.058	0.025 - 0.076	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.18	0.17 - 0.18	9	0.14	0.08 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	51.4	51.4	4	51.7	48.7 - 54.6		
Calcium Hardness (mg/L CaCO ₃)	1	128.0	128.0	4	129.0	122.0 - 136.0		
Chloride Dissolved (mg/L)	1	6.0	6.0	4	6.7	5.5 - 8.6	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.009	0.009	4	0.006	<0.005 - 0.009	(0.100)	
Lithium (mg/L)	1	0.0028	0.0028	4	0.0034	0.0028 - 0.0036		
Magnesium (mg/L)	1	13.5	13.5	4	15.1	13.5 - 16.4		
Molybdenum (mg/L)	1	0.0008	0.0008	4	0.0008	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0008	0.0008	4	0.0006	<0.0005 - 0.0008		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.82 - 0.92	30	0.90	0.80 - 0.94		
Phosphorus (mg/L)	1	0.99	0.99	4	0.97	0.95 - 0.99		
Potassium (mg/L)	1	1.3	1.3	4	1.0	0.8 - 1.3		
Silicon (mg/L)	1	3.12	3.12	4	2.55	1.92 - 3.12		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	20.0	20.0	4	12.5	7.4 - 20.0	(200.0)	
Strontium (mg/L)	1	0.366	0.366	4	0.442	0.366 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	97.6	97.6	4	77.4	67.3 - 97.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	184.0	184.0	4	191.0	181.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.17 Papaschase Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	2.2	2.2	4	1.6	1.0 - 2.2		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	36.1	36.1	4	22.6	14.9 - 36.1		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.3	1.9 - 2.6	10	2.0	1.5 - 2.6		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.6	<1.0 - 3.5		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.18 Rosslyn Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.6	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				3	410.0	401.0 - 423.0		
pH				3	8	8		7 - 8
Turbidity (NTU)	3	0.17	0.10 - 0.27	28	0.14	0.06 - 0.63	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				3	0.064	0.057 - 0.070	2.000	
Boron (mg/L)				3	0.014	0.010 - 0.019	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.20	0.18 - 0.22	1.00	
Chlorine total (mg/L)	3	1.53	1.49 - 1.57	28	1.74	1.34 - 1.89		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.69	0.67 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	3	0.08	0.06 - 0.09	8	0.09	0.06 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	3	0.02	0.02	8	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	19.2	11.3 - 26.4	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	

2.2.18 Rosslyn Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)				3	117.3	109.0 - 129.0		
Aluminum (mg/L)				3	0.045	0.028 - 0.072	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	3	0.19	0.18 - 0.21	8	0.16	0.08 - 0.21		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				3	50.3	47.5 - 53.5		
Calcium Hardness (mg/L CaCO ₃)				3	125.7	119.0 - 134.0		
Chloride Dissolved (mg/L)				3	8.1	7.1 - 8.7	(250.0)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	0.007	<0.005 - 0.009	(0.100)	
Lithium (mg/L)				3	0.0035	0.0032 - 0.0037		
Magnesium (mg/L)				3	14.8	14.0 - 15.9		
Molybdenum (mg/L)				3	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	3	0.92	0.80 - 1.02	28	0.91	0.80 - 1.02		
Phosphorus (mg/L)				3	0.98	0.97 - 1.00		
Potassium (mg/L)				3	1.1	0.8 - 1.4		
Silicon (mg/L)				3	2.44	2.14 - 2.71		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	14.4	8.4 - 20.1	(200.0)	
Strontium (mg/L)				3	0.445	0.429 - 0.459	7.000	
Sulphate Dissolved (mg/L)				3	79.6	67.7 - 93.3	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)				3	186.3	178.0 - 199.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	

2.2.18 Rosslyn Reservoir 1

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.4	1.0 - 1.6		
Bromoform (µg/L)				3	<0.5	<0.5		
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	17.6	9.5 - 24.6		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	3	2.2	1.9 - 2.5	8	2.0	1.1 - 2.5		
Total Volatile Organics (Non THM) (µg/L)				3	1.3	<1.0 - 1.5		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	4	0.7	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	472.0	472.0	4	415.8	382.0 - 472.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.12	30	0.11	0.06 - 0.27	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.087	0.087	4	0.070	0.063 - 0.087	2.000	
Boron (mg/L)	1	0.017	0.017	4	0.012	0.009 - 0.017	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.08	0.08	4	0.19	0.08 - 0.28	1.00	
Chlorine total (mg/L)	4	1.35	1.25 - 1.45	30	1.63	1.25 - 2.06		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	4	0.70	0.68 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.004	0.004	4	0.003	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.000005	<0.000005	1	<0.000005	<0.000005		
Nitrate (as N) dissolved (mg/L)	4	0.09	0.08 - 0.10	10	0.09	0.02 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	39.0	39.0	4	25.1	18.8 - 39.0	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.19 Rosslyn Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	110.0	110.0	4	118.5	110.0 - 127.0		
Aluminum (mg/L)	1	0.025	0.025	4	0.060	0.025 - 0.073	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.21	0.18 - 0.25	10	0.16	0.09 - 0.25		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	54.0	54.0	4	52.0	47.1 - 54.6		
Calcium Hardness (mg/L CaCO ₃)	1	135.0	135.0	4	129.8	118.0 - 136.0		
Chloride Dissolved (mg/L)	1	6.7	6.7	4	6.4	5.5 - 6.9	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.010	0.010	4	0.007	<0.005 - 0.010	(0.100)	
Lithium (mg/L)	1	0.0025	0.0025	4	0.0032	0.0025 - 0.0037		
Magnesium (mg/L)	1	13.7	13.7	4	14.9	13.7 - 16.0		
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0010	0.0010	4	0.0006	<0.0005 - 0.0010		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.92	30	0.91	0.86 - 0.96		
Phosphorus (mg/L)	1	1.01	1.01	4	0.98	0.95 - 1.01		
Potassium (mg/L)	1	1.5	1.5	4	1.0	0.8 - 1.5		
Silicon (mg/L)	1	3.27	3.27	4	2.56	1.86 - 3.27		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	25.7	25.7	4	13.4	7.2 - 25.7	(200.0)	
Strontium (mg/L)	1	0.364	0.364	4	0.445	0.364 - 0.495	7.000	
Sulphate Dissolved (mg/L)	1	111.0	111.0	4	80.0	66.3 - 111.0	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	191.0	191.0	4	191.3	176.0 - 202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.19 Rosslyn Reservoir 2

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.9	1.9	4	1.5	1.0 - 1.9		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	37.1	37.1	4	23.4	17.4 - 37.1		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.2	2.0 - 2.5	10	2.0	1.3 - 2.5		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.6	<1.0 - 3.2		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.1	1.1	4	0.9	<0.5 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	466.0	466.0	4	419.8	401.0 - 466.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	5	0.06	0.04 - 0.10	31	0.08	0.04 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.080	0.080	4	0.069	0.062 - 0.080	2.000	
Boron (mg/L)	1	0.016	0.016	4	0.011	0.009 - 0.016	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.13	0.13	4	0.12	0.11 - 0.14	1.00	
Chlorine total (mg/L)	5	1.67	1.38 - 2.19	31	1.74	1.38 - 2.19		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.64	0.64	4	0.70	0.64 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.004	0.004	4	0.003	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	4	0.08	0.06 - 0.09	10	0.08	0.03 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.02	0.02	10	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	36.0	36.0	4	23.2	18.1 - 36.0	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.20 Thorncliff Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO ₃ /L)	1	116.0	116.0	4	122.3	115.0 - 129.0		
Aluminum (mg/L)	1	0.024	0.024	4	0.061	0.024 - 0.089	2.900 (0.100)	
Ammonia as NH ₃ (mg/L)	4	0.20	0.17 - 0.22	9	0.16	0.10 - 0.22		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	51.4	51.4	4	51.8	48.6 - 54.2		
Calcium Hardness (mg/L CaCO ₃)	1	128.0	128.0	4	129.0	121.0 - 135.0		
Chloride Dissolved (mg/L)	1	8.5	8.5	4	7.0	5.7 - 8.5	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0027	0.0027	4	0.0032	0.0027 - 0.0035		
Magnesium (mg/L)	1	13.4	13.4	4	14.9	13.4 - 16.2		
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0007		
Nickel (mg/L)	1	0.0008	0.0008	4	0.0006	<0.0005 - 0.0008		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.82 - 1.04	30	0.90	0.82 - 1.04		
Phosphorus (mg/L)	1	1.00	1.00	4	0.97	0.94 - 1.00		
Potassium (mg/L)	1	1.2	1.2	4	1.0	0.8 - 1.2		
Silicon (mg/L)	1	3.05	3.05	4	2.51	1.91 - 3.05		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	27.8	27.8	4	14.8	7.4 - 27.8	(200.0)	
Strontium (mg/L)	1	0.372	0.372	4	0.443	0.372 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	107.0	107.0	4	79.9	66.4 - 107.0	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO ₃)	1	184.0	184.0	4	190.8	180.0 - 202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.20 Thorncliff Reservoir

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.6	1.6	4	1.3	0.7 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	34.2	34.2	4	21.6	16.7 - 34.2		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.4	2.1 - 2.9	10	2.0	1.5 - 2.9		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	4	1.8	<1.0 - 4.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	36	7690.8	185.0 - 92080.0	238	2145.5	22.8 - 92080.0
Cryptosporidium (oocysts/100L)	2	28.50	<14.0 - 43.00	14	68.8	<1.0 - 580.0
E. coli (MPN/100 mL)	36	318.0	11.0 - 1580.0	238	176.0	1.0 - 9768.0
Giardia (cysts/100L)	2	28.50	<14.0 - 43.00	14	92.4	<14.0 - 520.0
Physical						
Colour (TCU)	62	28.3	11.1 - 69.4	421	15.3	3.8 - 110.0
Conductivity (µS/cm)	8	332.4	323.0 - 348.0	60	350.4	272.0 - 415.0
pH	2	8	8	14	8	8
Total Dissolved Solids (mg/L)	2	211.50	207.00 - 216.00	14	204.43	176.00 - 225.00
Total Suspended Solids (mg/L)	2	291.5	250.0 - 333.0	14	83.6	<1.0 - 333.0
Turbidity (NTU)	62	72.74	6.26 - 266.00	421	30.16	0.68 - 266.00
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005 - 0.0007
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005
Arsenic (mg/L)	2	0.0035	0.0032 - 0.0038	14	0.0012	<0.0002 - 0.0038
Arsenic dissolved (mg/L)	2	0.0006	0.0005 - 0.0006	14	0.0003	<0.0002 - 0.0006
Barium (mg/L)	2	0.199	0.184 - 0.213	14	0.103	0.062 - 0.213
Barium dissolved (mg/L)	2	0.080	0.080	14	0.064	0.053 - 0.080
Boron (mg/L)	2	0.021	0.019 - 0.022	14	0.013	0.009 - 0.022
Boron dissolved (mg/L)	2	0.013	0.012 - 0.013	14	0.010	0.008 - 0.013
Bromate Dissolved (mg/L)	8	<0.005	<0.005	64	0.005	<0.005
Cadmium (mg/L)	2	0.00015	0.00013 - 0.00016	14	0.00005	<0.00002 - 0.00016
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	14	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	64	0.01	<0.01
Chlorine total (mg/L)	2	<0.03	<0.03	14	0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	64	0.005	<0.005
Chromium (mg/L)	2	0.0107	0.0100 - 0.0114	14	0.0038	<0.0002 - 0.0139
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Cyanide (mg/L)	2	<0.002	<0.002	6	<0.002	<0.002
Fluoride (mg/L)	8	0.12	0.12 - 0.13	60	0.12	0.05 - 0.14
Lead (mg/L)	2	0.0045	0.0041 - 0.0049	14	0.0015	<0.0002 - 0.0058
Lead dissolved (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Manganese (mg/L)	2	0.214	0.191 - 0.237	14	0.064	<0.002 - 0.237
Manganese dissolved (mg/L)	1	<0.002	<0.002	7	0.003	<0.002 - 0.007
Mercury (µg/L)	2	0.083	0.077 - 0.089	16	0.017	<0.0050 - 0.089
Mercury dissolved (µg/L)				12	<0.0050	<0.0050
Nitrate (as N) dissolved (mg/L)	8	0.06	0.02 - 0.08	64	0.09	<0.01 - 0.50
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	64	0.01	<0.01 - 0.02
Selenium (mg/L)	2	0.0005	0.0005	14	0.0003	0.0002 - 0.0005
Selenium dissolved (mg/L)	2	0.0003	0.0003	14	0.0003	<0.0002 - 0.0003
Uranium (mg/L)	2	0.0009	0.0009	14	0.0007	0.0005 - 0.0013
Uranium dissolved (mg/L)	2	0.0006	0.0006	14	0.0006	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)	2	<0.050	<0.050	6	<0.050	<0.050
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	2	<0.050	<0.050	6	<0.050	<0.050
Atrazine + metabolites (µg/L)	2	<0.10	<0.10	6	<0.10	<0.10
Benzene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)	2	<0.005	<0.005	6	<0.005	<0.005
Bromoxynil (µg/L)	2	<0.050	<0.050	6	<0.050	<0.050
Carbon Tetrachloride (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)	2	<0.10	<0.10	6	<0.10	<0.10
Cyanazine (µg/L)	2	<0.100	<0.100	6	<0.100	<0.100
Dicamba (µg/L)	2	<1.00	<1.00	6	<1.00	<0.10 - <1.00
Dichlorobenzene (1,4) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)	2	<0.20	<0.20	6	<0.20	<0.20
Dimethoate (µg/L)	2	<0.050	<0.050	6	<0.050	<0.050
Diquat (µg/L)	2	<1.0	<1.0	6	<1.0	<1.0
Ethylbenzene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Glyphosate (µg/L)	2	<1.00	<1.00	6	<1.00	<1.00
Malathion (µg/L)	2	<0.0250	<0.0250	6	<0.0250	<0.0250
Manganese dissolved (mg/L)	1	<0.002	<0.002	7	0.006	<0.002 - 0.023
Methylene Chloride (Dichloromethane) (µg/L)	62	<0.5	<0.5	421	<1.00	<0.5 - <1.00
Metribuzin (µg/L)	2	<0.100	<0.100	6	<0.100	<0.100
Microcystin total (µg/L)	2	<0.15	<0.15	6	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)	2	<0.4	<0.4	6	<0.4	<0.4
Omethoate (µg/L)	2	<0.050	<0.050	6	<0.050	<0.050
Omethoate (as dimethoate) (µg/L)	2	<0.16	<0.16	6	<0.16	<0.16
Pentachlorophenol (µg/L)	2	<0.50	<0.50	6	<0.50	<0.50
Tetrachloroethylene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Toluene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)	2	<0.20	<0.20	6	<0.20	<0.20
Trihalomethanes (µg/L)	62	<1.0	<1.0	421	<1.0	<1.0
Vinyl Chloride (µg/L)	62	<1.0	<1.0	421	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Gross Alpha (Bq/L)				2	<0.11	<0.11
Gross Beta (Bq/L)				2	0.06	<0.05 - 0.06
Secondary Organics						
Bromodichloromethane (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Bromoform (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Chloroform (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichlorobenzene (1,2) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	62	<1.0	<1.0	421	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Styrene (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	62	1.4	<0.5 - 5.0	421	<5.0	<0.5 - <5.0
Total Organic Carbon (mg/L)	8	5.3	3.0 - 6.5	62	4.1	1.4 - 26.0
Total Volatile Organics (Non THM) (µg/L)	62	1.0	<1.0 - 1.4	417	1.4	<1.0 - 4.1
Trichlorobenzene (1,2,4) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	62	<0.5	<0.5	421	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	62	<0.5	<0.5	421	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	62	<0.5	<0.5	421	<0.5	<0.40 - <0.5
Xylenes total (µg/L)	62	<1.0	<1.0	421	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO ₃ /L)				6	<3	<3
Alkalinity total (mg CaCO ₃ /L)	8	132.1	125.0 - 144.0	60	127.5	104.0 - 162.0
Aluminum (mg/L)	2	8.580	8.040 - 9.120	14	2.906	0.052 - 11.100
Ammonia as NH ₃ (mg/L)	30	<0.05	<0.05	211	0.05	<0.05 - 0.30
Beryllium (mg/L)	2	0.0003	0.0003	14	0.0002	<0.0002 - 0.0004
Bromide Dissolved (mg/L)	8	<0.03	<0.03	64	0.03	<0.03
Calcium (mg/L)	2	61.8	59.0 - 64.5	14	52.4	41.3 - 64.5
Calcium Hardness (mg/L CaCO ₃)	8	105.3	88.0 - 112.0	60	113.5	88.0 - 138.0
Chloride Dissolved (mg/L)	8	1.3	0.7 - 2.2	64	2.2	0.5 - 12.2
Cobalt (mg/L)	2	0.0039	0.0036 - 0.0042	14	0.0013	<0.0002 - 0.0044
Copper (mg/L)	2	0.012	0.011 - 0.012	14	0.008	<0.002 - 0.046
Iron (mg/L)	2	9.725	8.950 - 10.500	14	2.819	0.042 - 10.500
Lithium (mg/L)	2	0.0107	0.0105 - 0.0109	14	0.0057	0.0034 - 0.0114
Magnesium (mg/L)	2	18.3	17.4 - 19.2	14	16.0	12.8 - 19.2
Molybdenum (mg/L)	2	0.0012	0.0012	14	0.0008	0.0006 - 0.0012
Nickel (mg/L)	2	0.0131	0.0121 - 0.0140	14	0.0041	<0.0005 - 0.0140
Nitrogen Total Kjeldahl (TKN) (mg/L N)	2	0.7	0.6 - 0.7	119	0.3	<0.1 - 0.9
Phosphate Ortho (as P) (mg/L as P)	2	0.02	<0.02	14	0.02	<0.02 - 0.03
Phosphorus (mg/L)	2	0.24	0.21 - 0.27	14	0.10	<0.02 - 0.27
Potassium (mg/L)	2	3.3	3.2 - 3.3	14	1.8	0.7 - 4.0
Silicon (mg/L)	2	20.15	19.30 - 21.00	14	8.54	2.17 - 28.50
Silver (mg/L)	2	0.00006	0.00005 - 0.00006	14	0.00004	<0.00002 - 0.00016
Sodium (mg/L)	2	5.2	4.6 - 5.7	14	5.1	3.3 - 10.2
Strontium (mg/L)	2	0.392	0.386 - 0.398	14	0.450	0.386 - 0.499
Sulphate Dissolved (mg/L)	8	46.1	42.3 - 49.7	64	54.7	39.6 - 69.3
Sulphide (mg/L)	2	0.0141	0.0113 - 0.0169	6	0.0065	<0.0015 - 0.0169
Thallium (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Total Hardness (mg/L CaCO ₃)	8	165.3	159.0 - 170.0	60	171.2	141.0 - 204.0
Vanadium (mg/L)	2	0.0186	0.0175 - 0.0197	14	0.0066	<0.0005 - 0.0244
Zinc (mg/L)	2	0.031	0.028 - 0.033	14	0.013	<0.005 - 0.044

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

July 2026



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.027	0.011 - 0.042	14	0.021	<0.005 - 0.086
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Calcium dissolved (mg/L)	2	44.4	44.1 - 44.7	14	47.4	38.8 - 53.7
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Copper dissolved (mg/L)	2	<0.002	<0.002	14	0.002	<0.002 - 0.003
Iron dissolved (mg/L)	2	0.046	0.039 - 0.053	14	0.020	<0.005 - 0.071
Lithium dissolved (mg/L)	2	0.0042	0.0039 - 0.0044	14	0.0037	0.0034 - 0.0046
Magnesium dissolved (mg/L)	2	13.2	13.2	14	14.3	12.1 - 16.1
Molybdenum dissolved (mg/L)	2	0.0009	0.0009	14	0.0007	0.0006 - 0.0009
Nickel dissolved (mg/L)	2	0.0013	0.0012 - 0.0013	14	0.0007	<0.0005 - 0.0013
Phosphorus dissolved (mg/L)	2	0.04	0.03 - 0.05	14	0.03	<0.02 - 0.05
Potassium dissolved (mg/L)	2	1.3	1.1 - 1.4	14	1.1	0.7 - 2.1
Silicon dissolved (mg/L)	2	3.11	3.05 - 3.16	14	2.21	1.65 - 3.16
Silver dissolved (mg/L)	2	<0.00002	<0.00002	14	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	4.9	4.3 - 5.4	14	4.9	3.3 - 10.3
Strontium dissolved (mg/L)	2	0.348	0.346 - 0.350	14	0.432	0.346 - 0.485
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Titanium dissolved (mg/L)	2	0.0007	0.0007	14	0.0005	<0.0005 - 0.0007
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005