EDMONTON WATERWORKS
MONTHLY REPORT

August 2025

PROVIDING MORE EPCOR

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1.1.1 Operations – Rossdale and E.L. Smith Plants

Plant Bypasses

The number of bypasses shown on Table 1.2.26 “Rossdale 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 August, Rossdale Plant had 1 planned bypass, 1 unplanned bypass and 1 planned shutdown.

Date	Type	Bypass Description
August 7	Planned	10.7-hour shutdown for maintenance
August 18	Planned	2.1-hour bypass due to project work
August 24	Unplanned	2.8-hour bypass due to power failure

In August, E.L. Smith Plant had 1 unplanned bypass and no shutdowns.

Date	Type	Bypass Description
August 22	Unplanned	0.5-hour bypass due to power failure

Clarifier Blowdown Volume

- The clarifier blowdown volume shown on Table 1.2.26 and Table 1.2.27 include estimated plant leakage.

Dechlorination Highlights

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

Chemical Dosing Highlights

In August, Rossdale and E.L. Smith Water Treatment Plants did not exceed the Maximum Use in the Standard 60, published by the National Sanitation Foundation and the American National Sanitation Standards Institute (NSF/ANSI) for Alum or Caustic Soda.

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%	Univar
Liquid Ammonium Sulphate 41%	Umicore Canada Inc
Salt	Windsor
Sodium Bisulphite 38%	Chemtrade

ENV-1.1.2 EDMONTON INCIDENT REPORT SUMMARY – August 2025

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20250805-040793-v1	About 137 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.	August 5, 2025	443794
ENV-20250807-654973-v1	On August 6, 2025 at 01:15 hrs, EPCOR Operations collected a sample from Hydrant 3122 following a main break repair. On August 7, 2025 at 11:53 hrs, the laboratory results indicated that the sample failed for total coliforms. AEPA was notified of these lab results on August 7, 2025 at 12:00 hrs. Following the failed sample, an EPCOR emergency response member was dispatched to site to collect four (4) resamples. After the samples were collected the hydrant control valve was closed as a precautionary measure. On August 11, 2025, at 11:51 hrs, the lab reported that all resamples passed.	August 7, 2025	443868
ENV-20250808-500468-v1	About 33 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.	August 8,2025	443913
ENV-20250811-184611-v1	About 50 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.	August 11, 2025	444010
ENV-20250824-524937-v1	About 46 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	August 24, 2025	444514

	drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.		
ENV-20250821-631354-v1	On August 19, 2025 a potable water sample was collected at a janitor tap as part of the voluntary home sampling program. Sample collected failed for total coliforms. Resampling of a hydrant at the original site, as well as upstream and downstream was conducted. AEPA was notified of the original failing result at 8:48 hrs on August 21, 2025. On August 21, 2025 at 14:45 hrs, EPCOR Operations collected 2 samples from hydrant 13683 after resampling from the original TC+ failure at 10904 – 111 AVE which occurred from a sample inside the building. On August 23, 2025 at 13:27 hrs, the laboratory results indicated that 1 of the 2 samples failed for total coliforms from H13683. AEPA was notified of these lab results on August 23, 2025 at 13:40 hrs. Following a single failed sample from the initial set of resamples, an EPCOR emergency response member was dispatched to site to collect four (4) resamples. On August 25, 2025 at 12:02 hrs, the lab reported that all resamples passed.	August 21, 2025	444416
ENV-20250830-943087-v1	About 47 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	August 30, 2025	444768
ENV-20250830-938829-v1	About 55 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.	August 30, 2025	444767
ENV-20250831-038926-v1	About 44 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.	August 31, 2025	444769

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	**WT II**
Manager, Operations	**WT III, WWT III**
Title	Alberta Environment Certification Level
Operations Engineer in Training	
Manager, Transmission Operations & Training	WT III
Operator Foreman	WT IV
HEI Foreman	WT IV
Operator 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
Lead Operator	WT II
Operator Foreman	WT III
Water Operator	WT III
Water Operator	WT III
Water Operator	WT III
Lead Operator	WT III
Water Operator	WT III, WD II
Water Operator	WT III, WWT 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	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	**WT II**
Manager, Operations	
Title	Alberta Environment Certification Level
Operations Engineer	
Operations Engineer	WWC I
Day Foreman	WT IV
HEI Foreman	WT IV
Training Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT III
Operator Foreman	WT IV
Operator Foreman	WT IV
Lead Operator	WT IV
Lead Operator	WT IV
Lead Operator	WT II
Lead Operator	WT III
Lead Operator	WT III
Lead Operator	WT II, WD II, WWT I, WWC I
Water Operator	WT III
Water Operator	WT III, WWT II,
Water Operator	WT III
Water Operator	WT III, WWT III
Water Operator	WT III
Water Operator	WT II, WD I, WWT II, WWC 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) - NETWORK MAINTENANCE

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 II
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
Equipment Operator III	WD I
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 III	WD III
Labourer II	WD I
Labourer III	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) - NETWORK MAINTENANCE

Senior Manager, Maintenance and Construction
Manager, Maintenance and Construction
Manager, Dist. Maint Scheduling

Title	Alberta Environment Certification Level
Truck Driver III	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I WWC I
Labourer II	WD I 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 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) - FIELD OPERATIONS

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
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 III	WD III
Labourer II	WD I
Labourer II	WD II
Labourer II	WD I
Foreman I	WD II
Labourer II	WD I
Labourer III	WD II
Labourer II	WD II
Labourer II	WD I
Labourer III	WD I
Labourer II	WD II WWC 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

Manager, Inspections and 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 II	WD III
Meter Installer I	WD I WWC I
Meter Installer I	WD III
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)

August 2025

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	99	129	227	326	553
2	97	128	225	300	525
3	85	93	178	268	446
4	75	76	151	261	411
5	73	100	173	278	452
6	72	112	184	293	476
7	46	69	114	306	420
8	65	95	160	301	461
9	65	95	160	276	436
10	70	110	180	261	441
11	70	110	180	260	440
12	73	113	187	261	448
13	75	115	190	261	451
14	71	111	183	261	444
15	70	110	180	261	441
16	60	100	160	260	420
17	60	100	160	261	421
18	68	97	165	265	430
19	70	110	180	281	461
20	70	110	180	281	461
21	70	110	180	280	460
22	70	110	180	281	461
23	70	110	180	281	461
24	73	98	171	288	459
25	84	113	197	301	498
26	95	125	220	322	542
27	94	140	235	336	570
28	80	140	220	332	552
29	80	140	220	320	540
30	80	126	206	307	513
31	73	113	186	297	483
Monthly Total	2,303	3,409	5,712	8,866	14,578
Monthly Min	46	69	114	260	
Monthly Max	99	140	235	336	
Monthly Avg	74	110	184	286	470

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

August 2025

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	172	286	218	273	337	299	518	70.2
2	107	255	212	251	320	274	486	73.5
3	79	263	164	198	296	247	411	81.5
4	75	212	141	202	304	240	381	82.8
5	76	211	163	157	298	256	419	78.4
6	73	212	163	149	300	270	433	73.3
7	5.4	208	87	263	299	285	373	70.0
8	68	205	149	150	299	275	425	64.2
9	87	212	148	208	298	255	403	70.0
10	90	207	169	206	298	239	408	70.5
11	80	209	169	128	300	236	405	72.0
12	91	266	176	205	295	238	415	69.8
13	88	261	178	208	300	241	419	66.9
14	124	212	171	165	299	239	410	72.4
15	54	210	171	202	296	240	411	71.1
16	92	212	149	202	295	241	389	74.1
17	71	211	148	202	296	242	390	76.6
18	47	212	145	203	292	244	389	73.0
19	101	212	170	232	295	258	428	70.2
20	88	213	168	200	295	257	426	70.1
21	98	212	169	217	296	260	429	71.3
22	125	211	166	198	301	252	417	73.4
23	73	211	166	203	297	258	423	71.8
24	0.0	211	135	199	296	265	399	73.5
25	94	307	187	246	325	277	464	65.5
26	176	281	211	263	327	297	508	64.1
27	187	213	220	269	319	306	527	64.5
28	175	216	212	283	343	302	514	68.8
29	176	291	209	171	337	292	502	66.9
30	108	213	193	261	298	282	475	70.5
31	124	214	176	231	330	269	445	70.0
Monthly Tota			5,301			8,140	13,440	
Monthly Min	0.0			128				
Monthly Max		307			343			
Monthly Avg			171			263	434	

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

August 2025

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	24	40	33	8.3	8.4	8.4	15.3	16.2	15.4		21	32	28	8.3	8.4	8.3	15.9	16.9	16.2	
2	24	33	27	8.4	8.4	8.4	15.3	17.0	15.7		17	31	23	8.4	8.4	8.4	15.8	18.0	17.0	
3	18	24	21	8.4	8.5	8.4	15.5	17.4	16.5		14	21	17	8.4	8.4	8.4	16.3	18.3	17.2	
4	16	26	20	8.4	8.4	8.4	13.1	16.1	14.9		15	25	18	8.4	8.4	8.4	14.3	16.3	15.1	
5	21	400	190	8.3	8.4	8.3	13.1	15.5	14.2		25	400	200	8.3	8.4	8.3	14.3	17.9	16.5	
6	120	200	160	8.3	8.3	8.3	14.2	17.2	15.3		85	180	130	8.3	8.4	8.3	16.2	18.5	17.5	
7	50	120	90	8.3	8.3	8.3	16.2	17.4	17.1		45	85	65	8.3	8.4	8.3	16.6	18.2	17.3	
8	45	60	50	8.3	8.4	8.3	14.9	16.2	15.3		35	45	40	8.3	8.4	8.3	15.6	16.7	15.9	
9	35	45	40	8.4	8.4	8.4	14.4	15.1	14.6		24	45	35	8.4	8.4	8.4	15.7	16.2	15.8	
10	21	35	27	8.4	8.4	8.4	13.1	14.9	13.9		22	27	25	8.4	8.5	8.4	14.6	15.7	14.9	
11	24	34	31	8.4	8.4	8.4	13.6	15.0	14.0		22	37	34	8.4	8.5	8.4	14.2	16.0	15.2	
12	18	35	26	8.4	8.4	8.4	14.5	15.4	14.8		18	32	22	8.3	8.4	8.3	15.7	16.3	15.9	
13	17	50	24	8.4	8.4	8.4	14.8	15.5	15.2		18	24	20	8.4	8.4	8.4	15.4	16.3	15.6	
14	16	20	19	8.4	8.5	8.4	13.5	15.3	14.5		11	19	15	8.4	8.4	8.4	14.4	15.8	14.7	
15	13	18	16	8.5	8.5	8.5	13.6	15.6	14.0		14	18	16	8.4	8.4	8.4	13.4	20.1	15.6	
16	16	20	17	8.5	8.5	8.5	15.6	20.8	19.2		15	20	17	8.4	8.4	8.4	19.5	20.4	19.9	
17	14	19	16	8.4	8.5	8.4	17.1	18.8	18.6		11	15	14	8.4	8.4	8.4	18.4	19.9	19.2	
18	9.8	14	13	8.5	8.5	8.5	15.7	17.6	17.0		10	13	12	8.4	8.5	8.4	16.5	18.4	17.3	
19	9.8	11	11	8.5	8.5	8.5	14.6	15.9	15.6		10	18	14	8.4	8.5	8.4	15.5	16.5	15.9	
20	8.3	13	11	8.4	8.5	8.4	14.4	16.2	15.1		10	12	11	8.4	8.5	8.4	14.9	15.7	15.2	
21	8.3	9.6	8.6	8.4	8.5	8.5	13.3	14.5	14.0		9.1	12	10	8.4	8.5	8.5	14.2	14.9	14.5	
22	5.2	8.3	7.4	8.5	8.5	8.5	12.0	13.6	13.0		6.5	9.1	7.4	8.4	8.5	8.5	12.8	14.8	13.7	
23	5.2	6.4	5.9	8.5	8.5	8.5	11.4	12.2	11.8		6.4	7.4	6.8	8.4	8.5	8.4	11.8	13.3	12.3	
24	5.8	6.1	5.9	8.5	8.5	8.5	10.9	11.5	11.2		5.2	8.5	6.8	8.4	8.5	8.5	11.5	12.5	11.9	
25	6.1	7.7	6.8	8.4	8.5	8.4	10.6	11.7	11.1		8.0	9.9	8.8	8.4	8.5	8.4	11.5	12.7	12.0	
26	5.3	7.7	6.2	8.4	8.4	8.4	10.3	12.2	11.5		6.3	8.5	7.3	8.4	8.4	8.4	11.4	13.1	12.0	
27	6.0	7.0	6.6	8.4	8.4	8.4	10.3	12.2	11.5		6.5	7.7	7.1	8.4	8.4	8.4	10.9	12.0	11.4	
28	6.1	8.8	7.2	8.4	8.4	8.4	10.6	10.9	10.7		6.5	9.3	8.2	8.4	8.5	8.4	10.6	12.0	11.4	
29	8.8	11	9.3	8.3	8.4	8.4	9.0	10.8	9.6		7.2	13	9.7	8.4	8.5	8.4	8.6	11.7	9.7	
30	10	13	12	8.4	8.4	8.4	9.2	10.3	9.5		8.7	13	10	8.3	8.4	8.4	9.0	10.7	9.9	
31	7.8	10	9.8	8.4	8.4	8.4	8.0	10.3	9.1		6.7	9.7	8.9	8.4	8.4	8.4	8.3	10.3	9.0	
Monthly Min/Max/Avg	5.2	400	30	8.3	8.5	8.4	8.0	20.8	14.0		5.2	400	28	8.3	8.5	8.4	8.3	20.4	14.7	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

August 2025

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	0.06	0.08	0.07	2.01	2.16	2.09	7.8	7.8	7.8	0.75	0.76	0.75	169	0.6	0.06	0.06	0.06	1.98	2.06	2.02	7.8	7.8	7.8	0.63	0.63	0.63	170	1.1
2	0.06	0.08	0.07	1.96	2.11	2.04	7.8	7.8	7.8	0.75	0.78	0.76	166	0.7	0.06	0.06	0.06	1.98	2.02	2.00	7.8	7.8	7.8	0.63	0.63	0.63	166	1.1
3	0.06	0.08	0.07	1.96	2.11	2.03	7.8	7.9	7.8	0.76	0.79	0.78	168	0.7	0.06	0.06	0.06	1.94	2.02	1.98	7.8	7.8	7.8	0.63	0.63	0.63	174	1.2
4	0.07	0.08	0.07	2.01	2.11	2.04	7.8	7.8	7.8	0.76	0.77	0.76	173	0.8	0.05	0.06	0.06	1.94	2.02	1.98	7.8	7.8	7.8	0.62	0.63	0.62	173	1.1
5	0.06	0.08	0.07	1.96	2.22	2.08	7.8	7.9	7.8	0.76	0.78	0.77	168	0.6	0.06	0.06	0.06	1.97	2.02	1.99	7.8	7.8	7.8	0.61	0.63	0.62	169	1.1
6	0.06	0.08	0.07	1.91	2.22	2.08	7.8	7.9	7.9	0.75	0.76	0.76	182	0.5	0.06	0.06	0.06	1.98	2.07	2.01	7.8	7.8	7.8	0.61	0.61	0.61	180	1.1
7	0.06	0.08	0.07	1.96	2.22	2.10	7.8	7.9	7.8	0.76	0.78	0.76	178	0.4	0.06	0.06	0.06	1.98	2.03	2.01	7.8	7.8	7.8	0.60	0.61	0.61	177	1.2
8	0.08	0.08	0.08	2.06	2.22	2.15	7.8	7.8	7.8	0.77	0.78	0.77	174	0.8	0.06	0.06	0.06	1.98	2.04	2.01	7.8	7.8	7.8	0.60	0.61	0.61	174	1.3
9	0.08	0.08	0.08	2.11	2.26	2.20	7.8	7.9	7.8	0.76	0.77	0.76	170	0.4	0.06	0.06	0.06	1.96	2.02	1.98	7.8	7.8	7.8	0.60	0.61	0.61	169	1.2
10	0.06	0.08	0.07	2.11	2.22	2.19	7.8	7.9	7.8	0.76	0.77	0.76	169	0.6	0.06	0.06	0.06	1.93	2.00	1.97	7.8	7.8	7.8	0.61	0.61	0.61	172	0.9
11	0.07	0.08	0.07	2.11	2.22	2.17	7.8	7.9	7.8	0.76	0.77	0.77	169	0.3	0.06	0.06	0.06	1.93	1.98	1.95	7.8	7.8	7.8	0.61	0.62	0.61	170	0.9
12	0.07	0.08	0.08	2.06	2.16	2.13	7.8	7.9	7.8	0.77	0.78	0.77		0.6	0.06	0.06	0.06	1.93	1.99	1.96	7.8	7.8	7.8	0.61	0.62	0.62		1.1
13	0.06	0.08	0.07	2.06	2.21	2.15	7.8	7.8	7.8	0.77	0.78	0.78	171	0.8	0.06	0.06	0.06	1.93	1.98	1.94	7.8	7.8	7.8	0.61	0.63	0.62	170	1.2
14	0.06	0.08	0.07	2.11	2.26	2.21	7.8	7.8	7.8	0.76	0.77	0.77	169	0.9	0.06	0.06	0.06	1.93	1.98	1.96	7.8	7.8	7.8	0.61	0.61	0.61	170	1.1
15	0.08	0.08	0.08	2.16	2.26	2.22	7.8	7.9	7.9	0.75	0.76	0.76	168	0.9	0.06	0.06	0.06	1.94	2.04	1.99	7.8	7.8	7.8	0.60	0.61	0.61	170	1.1
16	0.07	0.08	0.08	2.16	2.32	2.24	7.8	7.8	7.8	0.74	0.76	0.75	173	0.6	0.06	0.06	0.06	2.03	2.08	2.06	7.8	7.8	7.8	0.60	0.60	0.60	174	1.4
17	0.07	0.08	0.08	2.16	2.32	2.25	7.8	7.8	7.8	0.73	0.74	0.74	172	0.8	0.06	0.06	0.06	2.03	2.10	2.07	7.8	7.8	7.8	0.60	0.60	0.60	173	1.1
18	0.08	0.08	0.08	2.16	2.32	2.24	7.8	7.8	7.8	0.72	0.75	0.74	170	0.7	0.06	0.06	0.06	2.05	2.12	2.09	7.8	7.8	7.8	0.60	0.62	0.61	169	0.9
19	0.07	0.08	0.07	2.16	2.32	2.21	7.8	7.9	7.9	0.73	0.73	0.73	169	0.8	0.06	0.06	0.06	2.02	2.12	2.09	7.8	7.8	7.8	0.61	0.62	0.61	170	0.9
20	0.06	0.08	0.07	2.16	2.26	2.19	7.8	7.9	7.8	0.73	0.74	0.74	170	1.0	0.06	0.06	0.06	2.03	2.09	2.05	7.8	7.8	7.8	0.61	0.62	0.62	169	1.3
21	0.07	0.08	0.08	2.21	2.26	2.23	7.8	7.9	7.9	0.73	0.74	0.74	170	1.1	0.06	0.06	0.06	2.04	2.12	2.08	7.8	7.8	7.8	0.61	0.62	0.61	171	1.1
22	0.07	0.08	0.07	2.21	2.26	2.26	7.9	7.9	7.9	0.73	0.74	0.73	170	0.8	0.06	0.06	0.06	2.08	2.12	2.09	7.8	7.9	7.8	0.61	0.62	0.61	170	0.8
23	0.07	0.08	0.07	2.11	2.26	2.18	7.8	7.9	7.9	0.73	0.74	0.74	172	0.7	0.06	0.06	0.06	2.09	2.19	2.14	7.9	7.9	7.9	0.62	0.63	0.63	170	1.0
24	0.07	0.08	0.07	2.06	2.26	2.22	7.8	7.9	7.9	0.73	0.75	0.74	171	0.7	0.06	0.06	0.06	2.16	2.22	2.18	7.9	7.9	7.9	0.62	0.63	0.63	170	0.9
25	0.04	0.05	0.04	2.06	2.16	2.12	7.8	7.9	7.8	0.74	0.75	0.75	173	0.9	0.06	0.06	0.06	2.12	2.21	2.15	7.9	7.9	7.9	0.62	0.63	0.63	173	0.9
26	0.07	0.08	0.07	2.06	2.26	2.16	7.8	7.8	7.8	0.74	0.75	0.74	172	0.7	0.06	0.06	0.06	2.14	2.22	2.18	7.9	7.9	7.9	0.61	0.63	0.62	170	1.3
27	0.07	0.08	0.07	2.16	2.26	2.22	7.8	7.8	7.8	0.75	0.77	0.76	169	0.6	0.06	0.06	0.06	2.13	2.22	2.17	7.5	7.9	7.7	0.61	0.63	0.63	169	0.9
28	0.07	0.08	0.07	2.11	2.22	2.16	7.8	7.8	7.8	0.75	0.76	0.76	170	0.9	0.06	0.06	0.06	2.08	2.17	2.11	7.5	7.6	7.5	0.61	0.63	0.62	170	0.9
29	0.07	0.08	0.07	2.11	2.26	2.16	7.8	7.9	7.8	0.75	0.76	0.76	171	0.5	0.06	0.06	0.06	2.08	2.15	2.10	7.6	7.7	7.7	0.61	0.63	0.63	168	1.0
30	0.07	0.08	0.07	2.11	2.22	2.16	7.9	7.9	7.9	0.75	0.80	0.78	162	0.5	0.06	0.06	0.06	2.08	2.15	2.10	7.7	7.7	7.7	0.61	0.62	0.61	164	1.0
31	0.06	0.08	0.07	2.11	2.22	2.15	7.9	7.9	7.9	0.78	0.80	0.79	162	0.4	0.06	0.06	0.06	2.08	2.15	2.11	7.7	7.7	7.7	0.61	0.61	0.61	163	0.8
Monthly Min/Max/ Avg	0.04	0.08	0.07	1.91	2.32	2.16	7.8	7.9	7.8	0.72	0.80	0.76	170	0.7	0.05	0.06	0.06	1.93	2.22	2.05	7.5	7.9	7.8	0.60	0.63	0.62	171	1.1

NOTES: ' -- ' indicates plant offline

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

August 2025

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	16	1	1	2	1	1	2	1	1	8	2	1	2	1	1	2	1	1	7	2	1	11	1	1	2	1
2	1	4	2	1	1	1	1	8	1	1	5	1	1	13	3	1	12	1	1	11	2	1	3	1	1	2	1
3	1	5	3	1	1	1	1	7	3	1	12	2	2	8	4	2	6	4	1	5	3	1	3	2	1	9	2
4	1	6	1	1	11	2	1	3	1	2	10	3	1	4	2	1	5	1	--	--	--	1	10	2	1	4	1
5	--	--	--	1	2	1	1	1	1	1	3	1	6	11	8	1	3	1	1	15	2	1	3	1	1	2	1
6	1	19	3	1	1	1	1	10	1	1	3	1	1	8	2	--	--	--	1	2	1	1	2	1	1	11	1
7	1	3	2	1	11	2	1	5	1	1	2	1	1	2	2	--	--	--	1	17	2	1	21	2	1	3	1
8	1	3	2	--	--	--	1	3	1	--	--	--	--	--	--	2	27	4	1	4	2	1	4	2	1	3	2
9	1	2	1	1	5	1	1	2	1	2	6	3	--	--	--	1	4	2	1	3	1	1	3	1	--	--	--
10	1	9	3	1	2	1	--	--	--	1	4	2	1	14	3	1	3	1	1	2	1	1	2	1	1	11	2
11	1	4	2	1	2	1	2	11	4	1	4	2	2	5	3	1	2	1	--	--	--	2	9	3	1	4	2
12	1	3	2	--	--	--	1	4	2	1	3	2	1	4	2	2	26	4	1	20	3	1	4	2	1	4	1
13	1	2	1	1	10	2	1	3	1	2	11	3	--	--	--	1	4	2	1	4	2	1	3	1	1	10	3
14	2	11	4	1	4	2	1	2	1	2	7	4	6	19	8	1	4	3	1	4	2	--	--	--	2	6	4
15	1	5	2	1	3	1	3	7	4	1	5	2	2	9	4	1	4	2	--	--	--	1	14	4	1	5	2
16	1	3	1	--	--	--	1	5	2	1	3	2	1	5	3	7	21	12	1	13	4	1	4	2	1	3	1
17	1	1	1	1	9	2	1	3	1	2	9	3	1	3	1	1	8	3	1	3	2	1	3	1	--	--	--
18	1	17	3	1	2	1	1	2	1	1	4	2	--	--	--	1	3	1	1	2	1	1	2	1	1	11	2
19	1	4	2	1	1	1	--	--	--	1	3	1	2	21	4	1	2	1	1	14	3	2	16	4	1	3	2
20	1	2	1	1	13	1	1	11	2	1	5	1	1	5	2	--	--	--	1	6	2	1	4	2	1	7	1
21	1	2	1	1	3	1	1	3	1	1	8	1	1	3	1	1	23	2	1	3	1	1	3	1	1	1	1
22	1	8	2	1	2	1	1	2	1	1	3	1	1	16	2	1	3	1	1	2	1	1	1	1	2	3	2
23	1	3	1	1	20	1	1	12	1	1	38	1	1	4	2	1	2	1	--	--	--	1	14	2	1	3	1
24	1	2	1	1	7	3	1	3	1	1	5	2	1	4	2	1	6	4	1	20	3	1	3	2	1	12	2
25	7	11	9	1	3	2	1	3	1	1	5	2	2	18	4	1	5	3	1	4	2	--	--	--	1	10	2
26	1	7	2	1	1	1	1	12	1	1	3	1	1	4	2	1	2	1	1	2	1	1	16	3	1	2	1
27	1	2	1	1	8	1	1	5	1	1	8	1	1	3	1	1	14	1	1	18	3	1	2	1	1	1	1
28	1	2	1	1	2	1	1	1	1	1	3	1	1	2	1	1	5	3	1	3	2	1	2	1	1	12	2
29	1	9	2	1	1	1	1	25	1	1	3	1	1	19	3	1	3	1	1	2	1	1	1	1	1	3	1
30	1	3	1	1	12	1	1	11	1	1	3	1	1	4	2	1	2	1	1	15	2	1	5	3	1	2	1
31	1	2	1	1	20	1	1	2	1	--	--	--	1	3	1	--	--	--	1	4	2	1	3	1	1	2	1
Monthly Min/Max/Avg	1	19	2	1	20	1	1	25	1	1	38	2	1	21	3	1	27	2	1	20	2	1	21	2	1	12	2

NOTE: ' -- ' indicates filter offline

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

August 2025

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	23	6	1	18	6	1	14	2	1	4	2	1	8	3	1	20	4	1	8	3	2	17	5	1	23	4
2	1	27	3	1	14	1	1	10	4	2	13	5	1	17	4	1	6	2	1	27	9	1	2	2	1	24	4
3	1	18	3	1	23	4	1	5	1	1	3	1	1	5	2	1	16	6	1	4	2	2	20	5	1	16	1
4	2	23	4	1	16	1	4	12	6	1	16	5	1	4	1	1	5	3	7	29	12	1	5	2	2	14	6
5	1	4	1	1	11	4	1	6	2	1	8	2	1	10	3	1	2	1	1	10	3	3	16	5	1	5	2
6	2	12	4	1	18	2	1	19	2	1	4	1	1	5	1	1	14	3	1	25	4	1	3	2	1	12	3
7	1	4	1	1	14	1	1	8	2	1	10	3	1	10	3	1	3	1	1	5	2	1	19	3	1	2	1
8	1	20	2	1	14	3	1	3	1	1	2	1	1	3	1	1	17	5	1	28	6	1	5	2	1	19	4
9	1	11	3	1	16	1	2	11	4	2	11	4	1	12	6	1	4	1	2	6	3	1	25	7	1	3	1
10	1	2	1	4	14	8	1	4	2	1	3	2	1	7	5	1	15	5	6	30	12	1	8	4	3	19	8
11	10	23	15	2	7	4	1	4	1	1	17	6	1	4	2	2	10	4	2	10	5	2	22	13	1	5	2
12	3	14	7	1	4	2	3	15	7	2	11	5	4	18	8	1	4	2	2	33	15	2	13	6	5	21	11
13	1	5	3	4	15	8	1	5	2	1	4	2	1	6	3	3	18	8	2	11	5	1	3	2	1	8	3
14	4	20	7	1	10	3	1	15	4	3	14	6	1	12	1	1	5	2	2	31	10	3	18	7	1	19	7
15	1	6	3	1	5	1	2	11	5	1	5	3	4	22	7	7	21	12	4	12	6	1	5	3	2	6	3
16	1	27	13	3	17	8	1	7	3	5	19	9	1	7	3	1	9	4	3	14	4	5	23	9	1	25	8
17	3	15	8	1	8	3	3	17	8	1	8	4	4	18	8	1	16	3	5	30	10	1	5	3	1	7	3
18	1	5	2	1	15	7	1	9	3	1	16	3	2	7	4	2	16	6	2	7	4	1	20	10	1	22	7
19	5	27	13	1	8	3	1	16	7	2	11	5	1	18	5	1	4	2	7	28	11	3	10	5	3	12	5
20	2	12	5	5	16	9	1	14	3	1	5	2	2	13	5	3	18	7	2	10	4	3	41	10	2	21	8
21	1	17	7	1	8	3	1	15	5	1	15	5	1	6	2	1	5	2	8	26	13	2	10	5	2	10	4
22	1	6	2	1	15	4	1	7	2	1	16	5	1	17	4	1	18	4	2	10	5	1	24	9	1	20	7
23	4	30	9	1	5	2	1	15	7	1	11	4	1	18	4	1	19	7	8	33	12	2	11	4	2	9	3
24	1	7	3	7	18	10	2	8	3	1	24	4	2	11	5	2	12	5	3	10	5	8	39	11	2	22	11
25	5	23	9	1	13	4	1	14	5	2	15	5	1	18	5	1	25	8	7	40	11	3	11	5	2	12	4
26	1	30	5	3	21	8	1	9	3	1	19	4	1	10	4	1	10	3	2	11	4	1	27	9	1	27	7
27	3	16	7	1	25	3	1	19	10	1	7	3	1	16	7	1	24	6	6	31	10	3	9	4	1	34	5
28	1	29	8	1	18	5	1	16	3	1	22	5	1	20	4	1	28	6	2	34	8	4	32	11	1	15	5
29	1	7	3	1	18	5	1	9	5	1	16	5	1	8	4	1	6	2	2	12	4	1	6	3	1	24	6
30	1	28	5	1	7	2	1	11	1	1	6	2	1	12	4	1	22	5	1	22	8	2	19	5	1	4	2
31	1	2	1	1	13	3	1	12	3	1	13	4	1	5	1	1	26	4	1	6	2	1	19	6	1	19	4
Monthly Min/Max/Avg	1	30	5	1	25	4	1	19	4	1	24	4	1	22	4	1	28	4	1	40	7	1	41	6	1	34	5

NOTES: ' -- ' indicates filter offline

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

August 2025

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	8	4	1	18	5	1	24	3	1	21	6	1	6	3	1	3	2	1	6	2	1	13	5	1	4	2
2	1	18	4	1	3	1	1	8	3	1	7	3	1	21	7	1	18	6	1	20	7	1	4	2	1	27	6
3	1	7	3	1	21	5	2	22	6	1	2	1	1	11	2	1	2	1	1	4	2	1	15	5	1	3	1
4	1	1	1	1	2	1	1	4	2	3	38	7	1	2	1	3	10	7	1	1	1	1	3	2	1	20	6
5	1	18	4	2	11	4	1	2	1	1	7	2	2	11	4	1	7	2	1	15	4	1	18	5	1	16	3
6	1	11	2	1	3	1	1	19	2	2	17	4	1	4	1	1	9	3	1	4	1	1	5	2	1	2	1
7	1	7	2	1	15	3	1	19	2	1	4	1	1	11	4	1	4	1	1	11	3	1	1	1	1	9	3
8	1	30	2	1	2	1	1	4	2	2	11	4	1	4	2	1	11	3	1	13	1	1	10	3	1	3	1
9	2	4	3	3	17	5	1	23	4	1	3	2	1	15	9	1	5	2	1	10	3	1	2	1	2	12	3
10	1	2	1	1	5	2	1	12	5	4	19	9	2	9	5	1	15	9	1	3	2	3	28	7	1	6	2
11	1	17	6	2	21	7	1	25	5	1	7	3	1	19	4	1	9	4	3	29	6	1	8	2	1	19	7
12	1	7	2	1	4	2	1	14	5	7	22	12	3	16	8	1	16	6	1	6	2	3	19	8	1	8	3
13	2	17	6	2	21	6	1	22	6	1	10	5	1	5	2	2	12	5	3	16	7	1	5	2	1	15	6
14	1	3	1	1	4	2	2	9	4	1	19	3	5	15	8	1	3	2	1	5	3	4	16	8	1	10	3
15	7	19	12	3	16	6	1	24	9	3	12	6	2	7	3	5	15	9	1	18	2	1	6	3	1	7	2
16	2	10	5	2	4	2	1	12	5	1	5	3	7	21	11	1	8	4	2	17	7	1	15	3	3	15	6
17	1	4	2	4	18	7	1	3	2	3	19	7	2	13	5	1	14	6	1	5	3	2	12	6	1	5	3
18	4	12	6	1	6	3	4	16	5	2	6	3	1	4	2	2	9	4	5	13	8	1	6	2	1	17	7
19	1	5	3	4	20	9	1	25	4	1	22	10	5	17	8	1	4	2	1	7	3	4	16	7	2	7	4
20	3	20	7	1	7	3	3	14	5	2	11	5	1	7	3	3	13	6	4	17	7	1	6	2	1	19	3
21	1	6	2	3	21	6	1	23	5	1	21	3	4	16	7	1	6	2	1	7	3	4	18	8	2	10	4
22	1	25	6	1	22	4	2	12	4	3	23	6	1	23	4	3	38	6	1	17	8	1	7	3	1	3	1
23	2	5	2	2	12	4	1	27	8	1	22	3	4	16	7	1	5	2	2	10	4	4	16	7	3	16	6
24	4	19	7	1	3	2	2	8	4	4	15	7	2	20	11	5	15	7	1	21	5	1	7	3	1	6	3
25	2	6	3	3	27	7	2	22	8	1	29	5	3	14	6	1	8	4	2	13	5	4	19	7	2	21	7
26	3	18	6	1	29	5	1	29	3	3	19	6	1	24	7	2	19	6	3	18	7	1	6	3	1	7	3
27	1	28	7	2	10	4	2	24	5	1	32	8	2	9	5	1	35	6	1	6	3	4	17	9	1	24	7
28	1	10	3	1	25	6	1	29	5	1	10	3	2	18	7	1	11	4	1	26	6	1	34	4	1	7	2
29	1	22	6	1	22	3	1	29	5	2	22	6	1	19	2	1	20	6	1	22	5	1	9	4	2	19	5
30	1	3	1	1	7	3	1	27	3	1	33	5	2	16	5	1	4	1	1	7	2	1	20	6	1	18	2
31	1	18	4	1	14	4	1	5	1	1	6	2	1	25	4	2	33	5	1	16	5	1	4	1	1	8	3
Monthly Min/Max/Avg	1	30	4	1	29	4	1	29	4	1	38	5	1	25	5	1	38	4	1	29	4	1	34	4	1	27	4

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

August 2025

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

NOTES: ' -- ' indicates filter offline

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

August 2025

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

NOTES: ' -- ' indicates filter offline

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

August 2025

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

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

August 2025

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

August 2025

Filter	1						2						3						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	34.8	36.2	35.5	26.1	30.8	28.0	34.8	36.1	35.5	26.8	34.4	32.1	34.8	36.1	35.5	26.2	30.5	28.2	91.9	92.7	92.2
2	34.8	35.4	35.5	25.8	30.7	19.4	34.9	36.2	35.6	23.9	31.6	27.6	34.6	43.2	35.5	16.2	27.1	21.4	92.5	94.0	93.2
3	34.6	36.2	35.5	26.1	31.8	29.7	34.9	35.6	35.6	23.1	24.3	6.6	34.7	36.0	35.5	18.5	32.9	23.7	90.1	92.7	90.9
4	34.8	36.0	35.5	25.2	31.2	10.4	34.9	37.8	35.8	20.8	31.4	8.5	34.8	36.2	35.5	24.4	32.5	25.9	91.2	92.9	92.1
5	--	--	--	--	--	--	35.2	36.3	35.7	26.0	27.8	27.0	34.9	36.1	35.6	23.0	24.7	24.0	92.2	93.8	92.9
6	34.8	36.1	35.5	25.7	33.6	8.2	34.8	36.2	35.7	25.0	32.3	26.9	34.8	55.2	35.6	12.5	33.1	4.9	92.3	93.8	93.2
7	34.7	36.2	35.5	30.7	32.6	19.1	34.9	36.2	35.5	29.2	34.7	8.4	34.8	35.7	35.5	30.2	32.9	19.3	92.0	92.3	92.0
8	34.8	36.2	35.5	29.1	32.2	30.4	--	--	--	--	--	--	34.9	36.2	35.5	30.1	32.2	31.0	92.0	92.9	92.5
9	34.9	36.1	35.5	29.1	30.3	6.1	34.8	36.0	35.5	25.3	33.4	24.9	34.8	38.2	35.5	23.6	30.8	19.3	91.9	92.9	92.4
10	34.7	36.2	35.5	28.0	30.1	10.1	34.8	36.0	35.5	27.8	33.3	29.5	--	--	--	--	--	--	91.9	92.9	92.3
11	34.7	36.1	35.5	27.9	30.1	28.9	34.8	36.8	35.5	26.1	28.5	15.1	34.7	36.1	35.5	22.8	28.8	12.8	91.6	92.9	92.0
12	34.6	36.2	35.5	25.8	30.2	28.4	--	--	--	--	--	--	34.8	36.2	35.5	26.6	32.0	29.9	91.6	92.6	92.3
13	34.7	38.1	35.5	16.5	29.2	13.6	34.4	36.0	35.5	25.2	34.7	28.3	34.6	36.2	35.5	26.6	30.1	28.3	89.5	92.8	92.0
14	34.6	36.2	35.5	21.4	29.8	23.9	34.9	36.2	35.5	28.7	32.9	29.9	34.9	35.9	35.4	24.6	27.0	5.2	91.7	92.5	92.2
15	34.8	36.1	35.5	26.7	30.9	28.6	34.8	44.8	35.5	15.6	29.3	27.1	34.9	36.1	35.6	17.8	18.8	0.8	91.6	93.3	92.8
16	34.8	36.0	35.5	23.5	28.6	24.5	--	--	--	--	--	--	34.6	36.4	35.5	17.9	23.2	21.5	91.2	93.8	91.7
17	34.9	35.9	35.6	22.2	24.0	10.6	34.9	36.0	35.5	26.2	34.1	18.3	34.8	36.2	35.5	21.2	23.1	22.2	91.6	93.8	92.2
18	34.8	36.0	35.5	21.9	31.3	13.0	34.7	36.1	35.5	21.1	31.0	27.2	34.8	54.1	35.5	20.3	24.5	9.1	90.9	93.2	91.9
19	34.7	36.1	35.5	23.8	29.7	27.4	34.8	36.2	35.5	23.1	28.4	26.7	--	--	--	--	--	--	91.8	93.2	92.5
20	34.8	36.2	35.5	21.9	24.5	23.3	35.0	53.5	35.7	14.2	26.0	14.8	34.9	36.2	35.5	17.8	28.4	16.4	89.7	92.8	92.2
21	35.0	38.1	35.6	17.3	22.5	8.5	34.9	36.5	35.6	24.7	29.8	26.2	35.0	36.7	35.6	24.0	27.3	25.0	89.7	92.7	92.0
22	34.8	36.0	35.6	21.1	28.8	20.7	35.1	36.1	35.7	23.3	26.7	25.6	34.8	36.1	35.5	22.5	24.5	23.5	91.8	93.3	92.8
23	34.8	36.0	35.5	24.5	27.1	25.5	35.4	37.9	36.5	21.8	25.4	13.9	34.9	36.0	35.6	22.2	23.7	13.6	93.1	93.4	93.3
24	34.9	36.0	35.5	19.4	24.6	13.3	34.7	37.7	35.7	20.9	30.1	12.5	34.8	38.0	35.5	19.6	26.3	21.9	92.7	93.5	93.2
25	35.3	35.7	35.6	21.4	21.7	0.1	34.9	36.0	35.5	27.3	32.3	28.9	34.7	36.2	35.5	24.7	29.5	26.9	92.5	93.2	92.9
26	34.9	36.2	35.6	21.2	28.8	25.1	35.0	37.1	35.8	23.6	27.7	25.7	34.3	36.2	35.5	23.0	27.7	16.6	92.0	93.9	93.3
27	34.8	36.1	35.5	25.4	31.8	28.9	34.4	57.1	35.6	12.7	34.7	19.8	34.7	36.3	35.5	27.3	36.0	32.4	93.0	93.9	93.3
28	34.8	36.2	35.6	22.0	27.2	24.2	34.8	36.2	35.6	27.6	31.0	29.2	34.8	36.0	35.5	24.2	27.7	25.7	92.4	93.6	93.0
29	34.8	36.0	35.4	21.7	30.0	14.1	34.9	40.4	37.1	25.0	28.1	26.3	34.8	36.2	35.6	23.3	25.3	24.1	93.3	94.8	93.7
30	34.8	36.0	35.5	25.9	30.0	28.2	35.1	40.1	38.4	24.3	29.5	11.4	34.9	36.3	35.6	22.9	28.1	17.1	93.8	94.7	94.2
31	34.8	36.2	35.5	25.3	31.1	26.5	34.9	36.3	35.6	29.3	34.0	32.6	35.0	36.6	35.6	26.2	30.5	27.3	92.8	94.9	94.0
Monthly Total						598.7						631.0						598.1			
Monthly Min/Max/ Avg	34.6	38.1	35.5	16.5	33.6		34.4	57.1	35.8	12.7	34.7		34.3	55.2	35.5	12.5	36.0		89.5	94.9	92.6

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

August 2025

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	34.5	36.1	35.8	23.0	27.6	10.1	34.7	36.2	35.5	24.5	29.0	27.4	35.1	36.2	35.6	25.2	34.9	28.6	91.9	92.7	92.2
2	34.6	36.6	35.6	25.4	27.7	26.9	34.8	35.6	35.6	19.9	28.9	15.4	35.2	36.8	35.6	21.1	29.9	26.4	92.5	94.0	93.2
3	34.2	36.1	35.6	22.5	28.0	10.2	34.5	36.1	35.5	26.0	30.7	27.4	34.8	36.0	35.6	26.0	35.6	30.2	90.1	92.7	90.9
4	35.1	36.5	35.7	22.9	23.8	2.3	34.9	36.0	35.5	25.1	28.3	17.7	35.2	35.9	35.6	28.0	31.9	29.7	91.2	92.9	92.1
5	34.9	37.0	35.8	21.9	23.3	22.7	35.3	36.3	35.8	19.6	21.7	0.3	35.2	39.6	35.6	17.1	29.0	25.6	92.2	93.8	92.9
6	34.3	37.1	35.7	21.7	30.6	26.4	34.8	36.3	35.5	21.6	30.5	26.9	--	--	--	--	--	--	92.3	93.8	93.2
7	34.9	36.0	35.5	28.8	29.4	1.1	34.9	36.1	35.5	28.7	30.3	5.7	--	--	--	--	--	--	92.0	92.3	92.0
8	--	--	--	--	--	--	--	--	--	--	--	--	35.3	36.0	35.6	26.2	32.0	13.7	92.0	92.9	92.5
9	34.8	36.5	35.5	23.0	32.0	12.4	--	--	--	--	--	--	35.2	36.0	35.6	27.9	31.8	30.7	91.9	92.9	92.4
10	34.8	36.5	35.6	27.6	32.0	29.3	34.1	36.1	35.5	21.3	27.7	26.1	35.1	36.0	35.6	27.1	30.3	28.5	91.9	92.9	92.3
11	34.7	36.7	35.6	25.6	28.5	27.2	34.9	36.1	35.5	25.8	29.1	27.3	35.3	35.9	35.6	26.9	28.2	5.3	91.6	92.9	92.0
12	34.8	36.6	35.5	24.7	27.0	3.8	35.0	57.0	35.6	25.5	28.4	15.0	35.1	36.0	35.6	26.1	32.1	13.8	91.6	92.6	92.3
13	34.7	36.6	35.5	22.9	32.3	16.0	--	--	--	--	--	--	35.2	36.0	35.6	29.4	33.8	31.0	89.5	92.8	92.0
14	34.8	36.5	35.6	27.6	31.4	29.0	35.1	36.1	35.5	24.3	28.8	9.5	35.1	36.5	35.6	27.2	33.2	29.3	91.7	92.5	92.2
15	34.8	37.1	35.7	24.8	28.8	27.0	34.9	36.0	35.5	26.7	30.0	27.9	35.2	52.4	35.7	12.5	28.1	4.9	91.6	93.3	92.8
16	34.7	36.3	35.8	21.1	25.4	5.7	35.0	36.0	35.5	23.5	27.3	24.8	35.4	35.8	35.6	26.9	27.4	0.8	91.2	93.8	91.7
17	35.0	36.7	35.7	23.1	23.8	5.9	34.9	47.5	35.5	10.3	23.9	15.9	35.2	36.0	35.6	25.5	27.4	26.5	91.6	93.8	92.2
18	34.9	36.6	35.6	20.9	30.6	25.7	--	--	--	--	--	--	34.8	36.1	35.6	23.7	31.6	27.9	90.9	93.2	91.9
19	34.8	37.0	35.7	22.8	27.6	26.1	34.9	36.1	35.5	24.3	31.0	23.3	35.1	43.9	35.6	12.8	29.8	17.0	91.8	93.2	92.5
20	34.7	64.8	35.7	19.6	23.1	15.8	34.9	36.1	35.5	23.3	25.0	24.3	--	--	--	--	--	--	89.7	92.8	92.2
21	36.4	38.9	37.6	17.8	18.5	9.8	34.7	36.1	35.5	21.8	24.0	22.8	35.3	35.9	35.6	26.6	31.3	24.7	89.7	92.7	92.0
22	34.8	39.5	37.0	17.6	26.3	20.6	34.9	36.0	35.6	19.7	22.2	14.3	35.2	36.0	35.6	26.7	29.4	28.4	91.8	93.3	92.8
23	34.8	36.9	35.7	21.8	24.6	23.3	35.0	38.8	35.5	19.8	24.4	22.7	35.2	35.9	35.6	24.3	27.0	25.3	93.1	93.4	93.3
24	34.7	36.7	35.7	21.3	29.2	19.7	35.0	36.2	35.4	21.6	25.3	13.7	34.7	35.9	35.7	23.6	32.0	11.5	92.7	93.5	93.2
25	34.9	36.6	35.6	26.3	31.9	28.8	35.0	36.1	35.5	20.3	28.2	16.8	35.2	36.7	35.6	27.8	35.6	30.9	92.5	93.2	92.9
26	34.8	36.8	35.7	22.2	26.7	24.6	34.8	36.1	35.5	24.1	27.5	25.8	35.2	36.1	35.6	24.2	28.6	26.5	92.0	93.9	93.3
27	34.5	49.4	35.7	13.5	28.1	18.4	34.0	36.6	35.5	22.5	25.9	24.4	34.8	36.0	35.6	21.1	28.4	22.2	93.0	93.9	93.3
28	35.0	36.6	35.7	25.0	27.5	26.3	34.9	37.9	35.5	17.5	23.7	11.7	35.1	36.1	35.6	26.7	31.7	29.5	92.4	93.6	93.0
29	34.9	38.5	36.2	23.1	26.3	24.6	35.1	36.1	35.6	20.0	28.3	22.4	35.2	36.0	35.6	26.8	30.2	28.3	93.3	94.8	93.7
30	34.6	43.9	36.1	17.9	27.3	17.5	35.0	36.2	35.6	23.6	26.0	24.8	35.0	52.8	35.6	14.7	31.6	28.4	93.8	94.7	94.2
31	--	--	--	--	--	--	35.1	36.2	35.6	23.8	28.4	25.5	--	--	--	--	--	--	92.8	94.9	94.0
Monthly Total						537.2						539.5						625.5			
Monthly Min/Max/ Avg	34.2	64.8	35.8	13.5	32.3		34.0	57.0	35.5	10.3	31.0		34.7	52.8	35.6	12.5	35.6		89.5	94.9	92.6

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

August 2025

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	32.8	36.0	35.3	25.5	27.5	17.0	34.4	36.2	35.6	20.6	30.4	23.1	32.0	36.2	35.5	25.2	35.0	28.9	91.9	92.7	92.2
2	34.2	36.4	35.5	20.4	26.6	23.2	34.4	36.2	35.6	27.3	30.7	29.3	33.0	36.6	35.3	28.0	32.9	31.1	92.5	94.0	93.2
3	33.8	38.1	35.4	22.9	34.6	20.9	34.7	46.3	35.6	10.4	28.3	8.1	31.8	63.2	34.7	22.7	35.7	15.1	90.1	92.7	90.9
4	--	--	--	--	--	--	33.6	36.1	35.6	21.2	33.0	23.8	32.0	36.2	35.4	24.4	32.7	26.4	91.2	92.9	92.1
5	34.9	36.3	35.6	21.0	26.8	14.5	34.9	36.9	35.6	22.5	29.6	25.7	34.8	36.1	35.6	23.5	27.0	26.1	92.2	93.8	92.9
6	34.8	36.2	35.5	24.6	34.8	28.7	35.0	36.0	35.6	22.7	34.3	25.8	34.7	36.1	35.6	23.6	32.4	22.6	92.3	93.8	93.2
7	34.9	36.1	35.6	25.9	36.1	13.0	35.0	36.0	35.6	30.8	35.0	15.9	34.5	36.5	35.5	28.7	32.7	18.9	92.0	92.3	92.0
8	35.0	36.2	35.5	29.6	31.3	30.4	35.1	36.2	35.6	30.3	32.0	31.1	35.0	36.1	35.5	30.3	32.0	17.9	92.0	92.9	92.5
9	34.5	36.2	35.5	28.1	30.7	29.7	35.0	36.2	35.6	28.7	31.4	30.4	--	--	--	--	--	--	91.9	92.9	92.4
10	35.0	37.9	35.5	18.0	29.3	18.5	35.1	50.5	35.7	11.0	30.0	3.9	35.0	36.2	35.5	27.4	32.1	26.8	91.9	92.9	92.3
11	--	--	--	--	--	--	35.1	36.0	35.6	26.4	32.6	25.8	33.1	36.4	35.4	29.7	31.7	30.7	91.6	92.9	92.0
12	34.1	36.4	35.4	26.2	34.9	28.6	34.5	36.1	35.6	28.5	34.8	31.6	33.0	36.5	35.3	27.3	32.9	30.8	91.6	92.6	92.3
13	33.5	36.1	35.1	31.0	34.5	32.9	35.1	37.2	35.6	27.9	31.9	22.5	34.2	43.7	35.4	14.6	32.1	12.6	89.5	92.8	92.0
14	35.0	37.7	35.5	20.7	31.7	19.4	--	--	--	--	--	--	31.1	36.7	35.4	28.9	35.5	30.4	91.7	92.5	92.2
15	--	--	--	--	--	--	34.6	36.5	35.6	20.3	36.2	26.5	33.6	36.4	35.4	29.3	33.9	31.6	91.6	93.3	92.8
16	34.9	36.1	35.6	20.5	26.3	19.4	35.1	36.1	35.6	27.9	31.3	29.7	33.1	35.9	35.4	26.5	32.4	26.5	91.2	93.8	91.7
17	35.1	36.0	35.6	24.2	26.1	25.2	35.0	36.1	35.6	25.5	29.8	28.3	--	--	--	--	--	--	91.6	93.8	92.2
18	35.0	36.1	35.6	22.1	31.3	27.1	35.0	43.7	35.7	11.2	26.2	6.0	32.3	36.4	35.0	21.5	32.9	24.1	90.9	93.2	91.9
19	35.1	38.0	35.6	20.1	29.7	9.3	34.0	37.3	35.6	24.8	32.4	13.4	35.0	36.4	35.0	25.8	34.7	31.0	91.8	93.2	92.5
20	35.0	36.1	35.6	24.7	25.8	25.3	34.9	36.1	35.6	26.7	28.1	27.4	34.8	36.3	35.5	24.5	26.3	25.6	89.7	92.8	92.2
21	34.5	36.2	35.6	24.3	29.6	26.3	35.0	36.1	35.6	26.0	29.9	26.9	35.1	77.2	35.8	24.0	25.2	3.3	89.7	92.7	92.0
22	35.0	40.5	35.6	16.7	27.3	25.3	35.2	46.4	35.6	11.8	26.7	11.2	34.8	35.9	35.5	26.8	27.6	0.4	91.8	93.3	92.8
23	--	--	--	--	--	--	35.0	36.0	35.6	25.9	26.7	21.1	34.7	36.4	35.5	25.9	27.7	26.6	93.1	93.4	93.3
24	33.8	36.0	35.4	25.2	31.3	26.3	34.8	36.1	35.4	24.7	26.3	14.7	34.3	36.3	35.6	24.6	31.8	21.4	92.7	93.5	93.2
25	34.9	36.3	35.6	26.4	32.8	28.2	--	--	--	--	--	--	35.1	36.1	35.5	28.3	31.9	29.5	92.5	93.2	92.9
26	34.0	35.9	35.6	26.2	31.1	28.5	35.0	36.1	35.6	25.8	32.0	12.6	34.3	36.3	35.5	26.3	30.3	28.7	92.0	93.9	93.3
27	33.9	37.0	35.4	25.4	37.5	27.2	35.0	36.1	35.6	26.4	36.6	31.4	34.1	46.9	35.6	14.2	32.7	25.7	93.0	93.9	93.3
28	32.6	36.5	35.4	26.9	30.5	28.6	34.5	36.0	35.6	26.5	29.9	27.9	33.5	36.2	35.5	26.5	32.3	13.7	92.4	93.6	93.0
29	32.7	36.3	35.4	27.1	30.5	29.2	35.1	58.7	35.6	10.5	28.2	17.2	34.4	36.4	35.6	27.1	29.8	28.4	93.3	94.8	93.7
30	33.6	36.0	34.8	27.2	29.5	16.5	35.1	36.1	35.6	26.4	32.3	27.9	34.7	36.4	35.5	26.3	33.1	28.6	93.8	94.7	94.2
31	35.1	36.2	35.6	24.8	34.9	29.5	35.1	36.2	35.6	28.8	34.4	30.8	34.1	36.5	35.6	28.4	33.3	9.1	92.8	94.9	94.0
Monthly Total						648.6						649.8						672.7			
Monthly Min/Max/ Avg	32.6	40.5	35.5	16.7	37.5		33.6	58.7	35.6	10.4	36.6		31.1	77.2	35.4	14.2	35.7		89.5	94.9	92.6

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

August 2025

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	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	55.0	62.4	58.8	69.6	86.9	78.5	53.6	62.2	57.8	63.9	80.0	72.1	55.5	64.3	60.0	73.5	92.4	84.4	46.9	47.3	47.1	68.6	80.0	73.5	91.9	92.2	92.1
2	53.2	62.0	56.8	61.1	78.8	72.1	52.5	64.2	56.2	56.9	73.2	66.4	53.7	65.1	58.1	65.9	83.0	77.3	46.9	47.2	47.1	59.6	72.0	67.5	91.2	92.0	91.6
3	55.5	69.8	62.7	57.3	72.4	64.6	56.0	69.2	61.9	51.1	66.7	59.4	57.0	72.2	63.7	60.8	76.4	68.9	46.8	47.3	47.1	54.9	64.7	60.6	91.1	91.7	91.4
4	65.3	78.5	70.9	34.2	67.4	49.7	50.6	76.8	66.2	49.7	84.6	62.5	50.1	82.8	68.2	57.7	92.9	71.4	46.8	47.4	47.1	50.9	80.7	63.4	91.6	92.2	92.0
5	--	--	--	--	--	--	47.7	66.3	56.3	66.9	90.5	84.4	46.0	64.4	55.4	73.8	99.2	93.5	46.7	47.7	47.1	69.9	87.7	84.7	91.9	93.4	92.6
6	--	--	--	--	--	--	47.0	60.3	52.9	76.9	97.8	88.9	46.5	59.2	51.8	86.0	107.0	98.4	47.0	47.3	47.1	78.5	95.2	89.3	92.2	93.0	92.6
7	--	--	--	--	--	--	45.8	55.1	49.0	78.1	103.7	93.5	45.5	53.9	48.2	85.7	113.0	103.3	46.9	47.2	47.1	86.9	101.6	93.7	92.0	92.5	92.4
8	--	--	--	--	--	--	47.6	55.7	51.7	79.4	97.5	91.5	46.7	53.3	50.7	88.5	107.6	101.1	46.9	47.2	47.1	82.2	95.2	91.5	92.2	92.8	92.7
9	--	--	--	--	--	--	47.0	55.4	52.3	70.8	97.2	84.7	48.2	55.8	51.5	77.4	106.4	93.3	47.0	47.2	47.1	76.7	92.2	84.7	92.0	92.6	92.3
10	--	--	--	--	--	--	51.8	57.5	53.4	67.7	84.3	78.6	50.7	56.0	52.7	73.7	91.7	86.6	46.0	47.2	47.0	74.4	82.1	79.3	92.0	92.1	92.0
11	--	--	--	--	--	--	46.8	57.2	52.6	68.0	84.5	79.1	46.3	55.9	51.6	75.4	93.2	87.1	46.3	47.3	47.0	72.6	81.6	79.4	91.6	92.3	92.1
12	--	--	--	--	--	--	46.2	53.0	48.4	65.3	84.1	78.4	45.7	52.7	47.4	73.4	91.7	86.3	46.9	47.2	47.1	68.1	81.5	78.7	91.3	91.6	91.5
13	--	--	--	--	--	--	47.5	57.7	50.9	67.5	85.4	79.2	46.3	56.4	49.8	75.1	92.8	87.4	46.9	47.3	47.1	70.7	81.9	79.5	91.5	92.0	91.6
14	--	--	--	--	--	--	51.1	63.6	56.1	68.3	85.6	79.4	51.0	62.2	55.2	75.8	92.3	87.5	46.9	47.3	47.1	69.5	83.0	79.6	92.0	92.5	92.4
15	--	--	--	--	--	--	47.4	60.3	54.3	67.6	85.4	78.7	49.9	90.8	57.0	74.8	93.1	86.7	46.9	47.2	47.0	74.2	83.2	79.1	91.5	92.6	92.4
16	--	--	--	--	--	--	47.0	56.0	50.9	68.1	84.5	79.7	50.0	58.8	53.9	75.1	93.1	87.7	46.9	47.3	47.1	75.8	82.7	79.5	91.4	91.8	91.6
17	--	--	--	--	--	--	50.7	60.4	53.6	67.7	83.5	78.7	53.6	62.5	56.5	76.1	92.0	86.7	46.9	47.2	47.1	69.5	81.2	78.9	91.7	92.0	91.8
18	--	--	--	--	--	--	45.9	56.7	52.8	68.6	89.8	81.1	49.0	60.0	55.9	76.7	99.8	89.3	46.9	47.2	47.1	78.7	87.8	81.4	91.7	92.3	92.0
19	48.3	83.3	52.5	76.5	92.6	43.4	46.6	53.1	49.5	61.4	92.7	84.9	49.1	56.2	52.6	74.8	99.2	93.4	46.8	47.3	47.1	76.5	87.2	42.7	91.8	92.3	92.1
20	49.6	109.1	52.8	28.1	93.1	52.0	47.3	55.7	51.9	70.5	91.2	85.2	50.9	59.4	55.5	79.1	99.1	93.8	47.1	67.2	58.3	78.5	89.6	34.1	91.7	92.3	92.1
21	--	--	--	--	--	--	50.9	59.8	53.7	73.0	91.0	84.9	53.5	62.7	56.8	81.4	99.5	94.0	47.0	64.3	52.9	80.4	88.0	85.2	92.1	92.6	92.3
22	--	--	--	--	--	--	51.9	63.6	56.3	31.3	97.0	84.9	50.7	63.0	56.9	76.4	113.3	94.0	46.8	47.3	47.1	76.0	88.9	85.2	92.2	93.1	92.5
23	--	--	--	--	--	--	53.2	63.6	58.7	75.0	92.0	85.1	52.4	62.4	57.5	82.7	99.1	93.8	47.0	47.3	47.1	75.3	89.2	85.2	92.3	93.1	92.7
24	--	--	--	--	--	--	54.1	63.5	58.9	74.7	94.9	87.0	52.0	60.6	57.0	82.5	104.8	96.1	47.0	47.3	47.2	75.9	93.9	87.0	92.8	93.1	92.9
25	--	--	--	--	--	--	53.0	64.8	57.9	80.1	97.4	91.2	50.7	62.8	56.5	88.6	106.7	100.6	47.0	47.3	47.1	84.2	94.4	91.4	92.5	93.4	93.1
26	47.4	101.4	57.4	48.4	116.4	71.2	45.6	62.0	53.0	81.3	110.4	99.8	49.4	172.4	50.2	90.8	109.9	35.2	46.9	47.3	47.1	89.4	105.2	99.1	92.6	93.4	93.1
27	46.4	85.6	54.7	82.4	120.2	105.6	45.9	72.6	52.2	73.5	112.6	100.1	58.2	96.0	70.9	44.3	97.0	10.7	46.8	47.2	47.1	82.1	109.1	99.8	92.5	93.2	92.9
28	58.4	70.5	63.7	65.6	89.6	82.2	57.6	75.9	65.4	61.9	84.6	75.9	59.3	73.5	66.4	64.0	86.9	79.1	46.9	47.3	47.1	71.9	82.8	76.9	92.3	93.5	93.0
29	68.3	88.1	79.1	27.8	85.3	62.3	59.6	87.3	77.1	64.3	108.4	79.6	44.4	89.3	63.2	67.8	101.7	80.9	47.0	47.4	47.2	69.1	105.2	80.2	92.8	95.0	94.0
30	--	--	--	--	--	--	60.3	71.5	64.0	85.0	107.6	98.2	66.2	72.5	69.4	80.6	101.4	93.0	46.9	47.3	47.1	89.3	105.5	98.4	93.8	94.4	94.1
31	--	--	--	--	--	--	62.4	72.8	67.1	78.6	102.2	94.7	69.0	81.2	73.1	75.3	96.7	89.8	47.0	47.4	47.1	81.5	99.5	94.9	93.8	94.5	94.2
Monthly Total						681.5						2,567.7						2,631.2						2,484.3			
Monthly Min/Max/ Avg	46.4	109.1	60.9	27.8	120.2		45.6	87.3	56.2	31.3	112.6		44.4	172.4	57.2	44.3	113.3		46.0	67.2	47.6	50.9	109.1		91.1	95.0	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

August 2025

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	10.8	11.3	11.0	31	35	34	7.0	7.0	7.0	7.5	7.7	7.6	20	28	24	7.0	7.0	7.0
2	10.9	11.6	11.3	35	42	38	7.0	7.0	7.0	7.6	7.7	7.6	23	28	25	7.0	7.0	7.0
3	11.3	13.6	12.8	37	43	39	7.0	7.0	7.0	7.5	7.8	7.7	22	32	27	7.0	7.0	7.0
4	12.9	14.3	13.7	36	46	43	7.0	7.0	7.0	7.6	7.7	7.6	23	28	26	7.0	7.0	7.0
5	11.7	13.1	12.5	38	43	41	7.0	7.0	7.0	7.5	7.7	7.6	22	28	25	7.0	7.0	7.0
6	11.0	11.8	11.5	32	42	38	7.0	7.0	7.0	7.5	7.6	7.6	20	26	23	7.0	7.0	7.0
7	11.0	12.6	11.6	28	35	33	7.0	7.0	7.0	7.5	7.7	7.6	22	27	24	7.0	7.0	7.0
8	11.8	12.6	12.2	34	36	35	7.0	7.0	7.0	7.4	7.6	7.5	18	25	22	7.0	7.0	7.0
9	11.1	11.8	11.6	30	34	32	7.0	7.0	7.0	7.5	7.6	7.5	20	23	21	7.0	7.0	7.0
10	10.9	11.2	11.1	30	35	33	7.0	7.0	7.0	7.4	7.6	7.5	17	25	20	7.0	7.0	7.0
11	10.6	11.4	10.9	32	36	35	7.0	7.0	7.0	7.4	7.6	7.5	17	23	20	7.0	7.0	7.0
12	10.4	10.8	10.7	32	37	34	7.0	7.0	7.0	7.5	7.6	7.6	20	25	23	7.0	7.0	7.0
13	10.5	10.9	10.8	32	35	33	7.0	7.0	7.0	7.5	7.7	7.6	20	28	24	7.0	7.0	7.0
14	10.5	10.9	10.7	32	34	33	7.0	7.0	7.0	7.5	7.6	7.6	21	26	23	7.0	7.0	7.0
15	10.2	10.5	10.4	31	34	32	7.0	7.0	7.0	7.4	7.6	7.5	17	25	21	7.0	7.0	7.0
16	10.3	10.9	10.7	31	36	34	7.0	7.0	7.0	7.4	7.5	7.5	17	21	19	7.0	7.0	7.0
17	10.4	10.8	10.6	28	34	30	7.0	7.0	7.0	7.4	7.6	7.5	18	23	21	7.0	7.0	7.0
18	10.4	12.2	10.7	28	34	31	7.0	7.0	7.0	7.4	7.6	7.5	17	23	21	7.0	7.0	7.0
19	10.4	10.8	10.6	31	36	33	7.0	7.0	7.0	7.5	7.6	7.5	20	24	22	7.0	7.0	7.0
20	10.6	10.9	10.7	35	39	37	7.0	7.0	7.0	7.4	7.6	7.5	19	25	23	7.0	7.0	7.0
21	10.2	11.6	10.7	32	37	36	7.0	7.0	7.0	7.5	7.6	7.6	21	26	23	7.0	7.0	7.0
22	10.2	10.7	10.5	32	37	35	7.0	7.0	7.0	7.5	7.6	7.5	19	23	21	7.0	7.0	7.0
23	10.2	10.5	10.4	32	36	35	7.0	7.0	7.0	7.4	7.6	7.5	18	25	21	7.0	7.0	7.0
24	10.3	11.5	10.5	29	36	33	7.0	7.0	7.0	7.5	7.6	7.5	20	25	23	7.0	7.0	7.0
25	10.1	10.7	10.4	28	35	31	7.0	7.0	7.0	7.5	7.6	7.5	20	26	23	7.0	7.0	7.0
26	10.3	10.6	10.5	35	39	37	7.0	7.0	7.0	7.5	7.6	7.6	22	26	23	7.0	7.0	7.0
27	9.8	10.5	10.2	31	37	33	7.0	7.0	7.0	7.5	7.6	7.6	21	26	23	7.0	7.0	7.0
28	10.1	10.5	10.4	33	39	37	7.0	7.0	7.0	7.4	7.6	7.5	20	27	23	7.0	7.0	7.0
29	10.3	10.6	10.4	36	42	39	7.0	7.0	7.0	7.5	7.6	7.6	23	28	25	7.0	7.0	7.0
30	10.2	10.9	10.6	36	39	38	7.0	7.0	7.0	7.4	7.6	7.5	20	26	23	7.0	7.0	7.0
31	10.5	11.0	10.8	32	37	34	7.0	7.0	7.0	7.4	7.6	7.5	20	28	24	7.0	7.0	7.0
Monthly Min/Max/Avg	9.8	14.3	11.0	28	46	35	7.0	7.0	7.0	7.4	7.8	7.5	17	32	23	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

August 2025

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	56.9	56.9	67.5	11,581	15,097	26,678	45,362
2	52.0	52.0	71.6	10,458	13,680	24,138	44,338
3	53.3	53.0	73.2	9,329	10,208	19,537	40,403
4	52.2	52.1	63.0	8,028	8,172	16,200	33,846
5	76.3	77.8	88.4	11,535	16,012	27,547	50,750
6	62.1	62.1	82.8	9,156	14,361	23,518	49,943
7	61.4	61.4	77.8	5,781	8,697	14,479	49,090
8	53.5	53.5	68.3	7,164	10,485	17,649	42,409
9	50.4	50.4	66.3	6,764	9,897	16,660	37,675
10	48.7	48.7	62.6	7,035	11,054	18,089	33,660
11	44.7	44.7	63.5	6,446	10,129	16,575	34,054
12	51.3	51.3	62.9	7,764	11,998	19,762	33,869
13	52.3	52.3	63.2	8,093	12,410	20,503	33,950
14	50.0	50.0	61.8	7,364	11,486	18,850	33,211
15	48.7	48.7	64.9	7,026	11,042	18,068	34,926
16	64.7	64.7	80.1	8,012	13,350	21,362	42,996
17	60.0	60.0	77.7	7,422	12,371	19,794	41,829
18	56.9	57.2	69.7	8,042	11,421	19,463	38,044
19	51.9	51.9	64.0	7,484	11,766	19,250	37,008
20	51.8	51.8	62.9	7,474	11,745	19,220	36,425
21	49.2	49.2	61.0	7,107	11,168	18,275	35,259
22	46.9	46.9	58.1	6,769	10,636	17,405	33,615
23	42.1	42.1	56.5	6,083	9,559	15,642	32,715
24	39.2	39.7	55.4	5,893	8,029	13,922	32,904
25	39.3	39.3	55.5	6,784	9,127	15,911	34,458
26	40.2	40.2	56.3	7,876	10,363	18,239	37,358
27	40.0	40.0	53.1	7,755	11,585	19,340	36,719
28	40.0	40.0	54.2	6,597	11,546	18,142	37,137
29	36.6	36.5	48.3	6,029	10,546	16,576	31,944
30	33.2	33.1	49.6	5,468	8,601	14,069	31,355
31	32.3	32.2	45.8	4,850	7,495	12,345	28,036
Monthly Total				233,170	344,037	577,207	1,165,285
Monthly Avg	49.6	49.7	64.1	7,522	11,098	18,620	37,590

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 (Magnafloc LT 27AG) Chemical Consumption

August 2025

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	0.35	0.35	0.20	35	45	80	65
2	0.34	0.34	0.19	33	43	76	57
3	0.33	0.34	0.19	28	31	60	50
4	0.34	0.34	0.18	25	26	51	47
5	0.30	0.30	0.21	22	30	52	57
6	0.30	0.30	0.23	21	34	55	68
7	0.32	0.32	0.22	14	22	36	68
8	0.31	0.31	0.20	20	30	50	62
9	0.30	0.30	0.23	20	29	48	64
10	0.31	0.31	0.21	21	34	55	55
11	0.28	0.28	0.24	19	31	50	63
12	0.30	0.30	0.24	22	34	56	62
13	0.30	0.30	0.22	23	35	57	58
14	0.30	0.30	0.21	21	33	55	54
15	0.28	0.28	0.22	19	30	50	57
16	0.28	0.28	0.24	17	28	45	62
17	0.30	0.30	0.24	18	30	48	62
18	0.30	0.30	0.23	21	29	50	60
19	0.31	0.31	0.20	22	34	56	55
20	0.30	0.30	0.20	21	33	54	55
21	0.30	0.30	0.20	21	33	54	55
22	0.30	0.30	0.20	21	33	54	55
23	0.30	0.30	0.19	21	33	54	53
24	0.31	0.31	0.19	23	30	52	54
25	0.28	0.28	0.18	24	31	55	54
26	0.25	0.25	0.17	24	31	55	55
27	0.27	0.27	0.17	25	38	63	57
28	0.30	0.30	0.17	24	42	66	56
29	0.27	0.27	0.17	21	38	59	54
30	0.25	0.25	0.17	20	32	51	52
31	0.25	0.25	0.18	18	28	46	53
Monthly Total				685	1,008	1,693	1,780
Monthly Avg	0.30	0.30	0.20	22	33	55	57

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

August 2025

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	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--
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				--	--	--	--
Monthly Avg	--	--	--	--	--	--	--

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

August 2025

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	2.91	2.92	35,918	46,878	89,345	3.78	162,258
2	2.90	2.81	35,343	44,797	87,033	3.97	156,997
3	2.89	2.93	30,672	34,160	70,973	4.04	142,479
4	2.84	2.95	26,448	27,987	60,192	3.99	136,981
5	2.76	2.83	25,340	35,273	65,988	3.65	133,558
6	2.85	2.82	25,489	39,612	70,603	3.69	142,149
7	2.83	2.76	16,165	23,745	43,244	3.64	146,329
8	2.98	2.87	24,182	34,133	61,891	3.56	140,802
9	3.00	2.90	24,414	34,454	63,663	3.48	126,027
10	3.00	2.90	26,250	39,874	71,541	3.58	122,748
11	3.08	2.98	26,935	40,977	72,960	3.62	123,766
12	3.07	2.94	28,143	41,757	74,858	3.70	127,116
13	2.99	2.97	28,067	42,732	76,307	3.74	128,342
14	2.97	2.97	26,463	41,293	73,106	3.64	124,777
15	3.00	3.00	26,251	41,249	72,894	3.62	124,391
16	2.99	2.98	22,404	37,321	62,908	3.77	129,033
17	2.95	2.95	22,092	36,876	62,522	3.74	128,588
18	2.94	2.93	25,158	35,426	64,678	3.74	130,090
19	2.90	2.90	25,386	39,907	69,707	3.85	142,150
20	2.95	2.95	25,835	40,576	72,894	3.91	144,261
21	3.00	2.98	26,226	41,025	73,221	3.85	142,048
22	2.95	2.92	25,843	40,105	70,201	3.95	145,999
23	2.92	2.92	25,584	40,205	71,108	3.95	146,221
24	2.95	2.95	26,870	36,231	67,596	3.98	150,606
25	2.93	2.93	30,701	41,341	78,204	3.85	152,614
26	2.95	2.93	35,043	45,806	87,254	3.97	168,145
27	3.02	3.00	35,484	52,661	97,534	3.88	171,045
28	3.02	3.02	30,231	52,903	91,079	3.99	174,240
29	3.00	3.00	30,000	52,500	90,866	3.96	166,947
30	3.02	3.01	30,137	47,470	83,317	3.97	160,205
31	3.06	3.03	27,874	42,777	73,789	4.03	157,586
Monthly Total			850,948	1,252,051	2,271,476		4,448,495
Monthly Avg	2.96	2.93	27,450	40,389	73,273	3.81	143,500

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

August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.24	0.08	54	26
2	0.24	0.08	53	24
3	0.26	0.08	45	21
4	0.29	0.08	42	21
5	0.29	0.10	48	27
6	0.29	0.10	49	29
7	0.29	0.10	29	31
8	0.28	0.10	43	30
9	0.29	0.10	44	28
10	0.28	0.10	49	26
11	0.27	0.10	46	26
12	0.25	0.10	45	26
13	0.24	0.10	45	26
14	0.24	0.10	43	26
15	0.24	0.10	42	26
16	0.24	0.10	37	26
17	0.24	0.10	37	26
18	0.24	0.10	39	26
19	0.25	0.10	44	28
20	0.29	0.10	50	28
21	0.29	0.10	50	28
22	0.29	0.10	49	28
23	0.29	0.10	50	28
24	0.29	0.10	45	29
25	0.29	0.10	55	30
26	0.29	0.10	62	32
27	0.29	0.10	67	34
28	0.29	0.10	63	33
29	0.28	0.10	60	32
30	0.24	0.10	48	31
31	0.24	0.10	44	30
Monthly Total			1,478	863
Monthly Avg	0.27	0.10	48	28

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 Aqua Ammonia Chemical Consumption

August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.00	--	0	--
2	0.00	--	0	--
3	0.00	--	0	--
4	0.00	--	0	--
5	0.00	--	0	--
6	0.00	--	0	--
7	0.00	--	0	--
8	0.00	--	0	--
9	0.00	--	0	--
10	0.00	--	0	--
11	0.00	--	0	--
12	0.00	--	0	--
13	0.00	--	0	--
14	0.00	--	0	--
15	0.00	--	0	--
16	0.00	--	0	--
17	0.00	--	0	--
18	0.00	--	0	--
19	0.00	--	0	--
20	0.00	--	0	--
21	0.00	--	0	--
22	0.00	--	0	--
23	0.00	--	0	--
24	0.00	--	0	--
25	0.00	--	0	--
26	0.00	--	0	--
27	0.00	--	0	--
28	0.00	--	0	--
29	0.00	--	0	--
30	0.00	--	0	--
31	0.00	--	0	--
Monthly Total			0	--
Monthly Avg	0.00	--	0	--

NOTES: ' -- ' indicates system offline
- Aqua ammonia consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 19.0%)
- NSF limit for Aqua Ammonia is **2.85 mg/L**

1.2.22-1 LAS Ammonia Chemical Consumption

August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.63	0.61	1,438	1,926
2	0.63	0.61	1,419	1,769
3	0.63	0.62	1,106	1,590
4	0.63	0.62	931	1,561
5	0.63	0.61	1,068	1,637
6	0.63	0.61	1,095	1,725
7	0.63	0.61	647	1,812
8	0.63	0.61	993	1,774
9	0.63	0.61	987	1,640
10	0.63	0.61	1,111	1,526
11	0.63	0.61	1,114	1,533
12	0.63	0.61	1,170	1,519
13	0.63	0.61	1,191	1,537
14	0.63	0.61	1,136	1,538
15	0.63	0.61	1,122	1,525
16	0.63	0.61	984	1,541
17	0.63	0.61	983	1,523
18	0.63	0.61	1,029	1,571
19	0.63	0.61	1,120	1,650
20	0.63	0.62	1,112	1,677
21	0.63	0.62	1,116	1,676
22	0.63	0.63	1,094	1,688
23	0.63	0.65	1,107	1,747
24	0.63	0.65	998	1,795
25	0.63	0.65	1,223	1,882
26	0.63	0.65	1,378	2,029
27	0.63	0.65	1,482	2,103
28	0.63	0.65	1,394	2,090
29	0.63	0.65	1,381	2,016
30	0.63	0.66	1,289	1,934
31	0.63	0.66	1,165	1,888
Monthly Total			35,384	53,420
Monthly Avg	0.63	0.63	1,141	1,723

1.2.22-1 LAS Ammonia Chemical Consumption

August 2025

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

August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	8.26	14.3	3,312	8,801
2	7.16	14.1	2,868	8,014
3	6.33	14.8	1,980	7,500
4	6.69	13.1	1,708	6,468
5	7.96	14.7	2,315	7,699
6	7.50	14.7	2,272	8,135
7	6.88	14.9	1,237	8,646
8	6.77	13.2	1,811	7,477
9	6.24	12.4	1,717	6,527
10	6.10	11.3	1,874	5,508
11	5.38	11.3	1,662	5,548
12	5.53	11.0	1,821	5,369
13	6.03	10.9	1,983	5,385
14	6.06	10.9	1,943	5,359
15	5.40	10.6	1,663	5,199
16	6.57	15.1	1,788	7,472
17	8.06	15.2	2,174	7,429
18	7.85	13.4	2,213	6,747
19	6.50	11.1	2,043	5,891
20	5.49	10.6	1,728	5,624
21	5.70	10.3	1,774	5,416
22	5.24	9.36	1,568	4,942
23	4.08	10.1	1,258	5,326
24	3.20	9.70	879	5,240
25	3.09	9.94	1,035	5,628
26	3.06	10.0	1,156	6,132
27	3.50	8.97	1,451	5,671
28	3.69	9.68	1,463	6,080
29	3.68	10.3	1,434	6,237
30	3.07	10.3	1,125	5,982
31	2.79	9.44	906	5,272
Monthly Total			54,159	196,724
Monthly Avg	5.61	11.8	1,747	6,346

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
August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.62	0.61	636	863
2	0.62	0.61	628	792
3	0.62	0.61	489	709
4	0.62	0.61	412	691
5	0.62	0.61	472	734
6	0.62	0.61	484	773
7	0.62	0.61	287	812
8	0.62	0.61	439	794
9	0.62	0.61	436	735
10	0.62	0.61	491	684
11	0.62	0.61	493	687
12	0.62	0.61	517	681
13	0.62	0.61	527	689
14	0.62	0.61	502	690
15	0.62	0.61	496	684
16	0.62	0.61	435	691
17	0.62	0.61	435	684
18	0.62	0.61	455	703
19	0.62	0.60	495	727
20	0.62	0.60	492	730
21	0.62	0.60	493	727
22	0.62	0.60	484	726
23	0.61	0.60	484	727
24	0.61	0.60	433	743
25	0.61	0.59	532	771
26	0.61	0.59	599	825
27	0.61	0.59	645	855
28	0.61	0.59	607	849
29	0.61	0.59	604	819
30	0.64	0.59	589	783
31	0.63	0.59	527	755
Monthly Total			15,616	23,134
Monthly Avg	0.62	0.60	504	746

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

August 2025

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	28.4	19.5	655	1,533	8.9	30
2	31.1	18.9	1,048	1,453	13	29
3	32.6	18.8	1,179	1,322	14	23
4	31.9	20.8	785	1,296	9.5	24
5	10.1	18.4	261	1,250	10.0	25
6	19.5	17.4	1,049	1,173	21	26
7	31.4	20.4	2,228	1,292	27	24
8	14.3	19.0	392	1,254	11	29
9	20.9	18.2	653	1,147	12	24
10	22.8	15.4	655	1,114	11	24
11	22.9	16.9	652	1,124	11	26
12	24.4	16.2	655	1,102	10	26
13	25.1	16.1	796	946	12	23
14	32.1	19.6	963	1,155	12	26
15	22.3	21.2	525	1,326	9.1	24
16	22.1	22.3	656	1,369	11	23
17	21.0	10.9	654	662	12	23
18	27.8	42.6	1,449	2,731	20	24
19	25.7	19.0	682	1,270	10	25
20	26.4	18.8	785	1,318	11	27
21	23.4	19.1	654	1,241	11	25
22	28.6	15.8	1,046	1,347	14	32
23	21.2	18.3	786	1,307	14	27
24	29.2	17.9	2,772	1,326	36	27
25	20.9	17.0	522	1,288	9.6	29
26	22.7	16.2	524	1,175	8.9	29
27	31.8	15.5	1,177	1,291	14	33
28	25.1	16.8	522	1,404	8.0	34
29	24.6	18.3	655	1,565	10	33
30	34.8	19.9	1,176	1,498	13	29
31	27.1	21.1	655	1,608	9.3	32
Monthly Total			27,210	40,888	404	834
Monthly Avg	25.2	18.9	878	1,319	13	27

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

August 2025

		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)		254	0.0	102	33	21	410	60.14			343.44		
Solids (kg)	TSS	454,913	0	6,886			461,799						
	Aluminium	25,317	0	2,384			27,700						
# of Bypasses						3		Min	Max	Avg	Min	Max	Avg
pH								6.8	7.9	7.6	6.4	7.5	7.4
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								1.43	20.0	7.65	1.12	20.0	8.41

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

1.2.27 E.L. Smith Waste Stream Data

August 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		246	13	310	123	3.4	0.6	31	727	834		
Solids (kg)	TSS	515,602	772	27,212					543,586			
	Aluminium	50,203	54	9,420					59,677			
# of Bypasses						1				Min	Max	Avg
pH										6.68	7.99	7.52
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.10	20.0	10.8

NOTES: * Estimate value for the waste stream volume and calculated value for the waste stream solids
- Clarifier washdown volume(s) estimated for clarifer cleaning
- Estimated chlorinated waste stream to outfall for dechlorination

1.2.28 Demand/Production Statistics

August 2025

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)	Rossdale Zone (ML)	E.L.Smith Zone (ML)	Total (ML)
JANUARY	3,395	145	135	8,010	280	291	11,404	386	390	1,142	2,586	3,728
FEBRUARY	3,349	132	139	6,985	267	270	10,335	398	382	1,137	2,225	3,362
MARCH	4,367	169	214	7,128	266	264	11,495	427	381	1,542	2,459	4,001
APRIL	4,664	183	185	6,683	253	245	11,347	436	408	1,503	2,549	4,053
MAY	5,288	215	224	7,977	288	312	13,265	488	473	1,847	2,979	4,825
JUNE	5,319	243	240	7,819	309	328	13,138	550	520	1,534	3,285	4,819
JULY	5,314	220	227	8,298	313	317	13,613	533	486	1,531	3,352	4,883
AUGUST	5,301	220	211	8,140	306	317	13,441	527	515	1,448	3,313	4,761

2025 - HIGH 5-DAY DEMAND

	PLANTS PROD (ML/d)	RES. GAIN / LOSS (%)	RES. GAIN / LOSS (ML)	TOTAL DEMAND (ML)
25-Aug-2025	463	-3.8	-24.0	487
26-Aug-2025	508	2.2	13.6	494
27-Aug-2025	527	1.9	11.8	515
28-Aug-2025	514	1.0	6.0	508
29-Aug-2025	502	0.1	0.6	501
			AVERAGE:	501

Year to Date Data	2025	2024	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	98,037	96,058	2.1
AVG. DAILY DEMAND TO DATE (ML)	403	394	2.5
PEAK DAILY DEMAND TO DATE (ML)	520	567	(8.3)
PEAK HOURLY DEMAND TO DATE (ML)	691	782	(11.6)
HIGH 5-DAY AVERAGE TO DATE (ML)	501	542	(7.5)

Peak daily demand of 520 ML/d occurred on June 09, 2025

Peak hourly demand of 691 ML/d occurred on June 8, 2025 at 20:00

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

August 2025

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	1.53	1.97	1.55	1.61	1.76	1.70	1.58	1.71	1.68	1.65	1.79	1.71	1.76	1.84	1.80	--	--	--
2	1.46	1.66	1.54	1.56	1.68	1.63	1.62	1.75	1.71	1.74	1.81	1.78	1.73	1.85	1.78	1.32	1.83	1.63
3	1.52	1.78	1.54	1.54	1.66	1.61	1.61	1.73	1.67	1.65	1.79	1.71	1.62	1.78	1.70	0.99	1.66	1.40
4	1.44	1.56	1.46	1.40	1.57	1.52	1.51	1.81	1.58	1.61	1.73	1.68	1.50	1.73	1.64	0.87	1.50	1.18
5	1.39	1.88	1.43	1.46	1.59	1.52	1.48	1.81	1.51	1.58	1.73	1.67	1.47	1.73	1.67	0.95	1.72	1.30
6	1.44	1.83	1.46	1.42	1.56	1.50	1.43	1.53	1.50	1.57	1.77	1.68	1.56	1.76	1.69	0.99	1.72	1.33
7	1.29	1.47	1.34	1.30	1.58	1.49	1.39	1.47	1.43	1.64	1.83	1.70	1.64	1.76	1.71	--	--	--
8	1.31	1.32	1.32	1.50	1.72	1.60	1.38	1.42	1.41	1.63	1.74	1.68	1.66	1.78	1.72	--	--	--
9	1.42	1.86	1.44	1.54	1.69	1.64	1.39	1.66	1.44	1.55	1.81	1.63	1.66	1.80	1.73	0.96	1.26	1.07
10	1.31	1.37	1.32	1.46	1.59	1.55	1.36	1.78	1.42	1.57	1.73	1.64	1.63	1.74	1.69	--	--	--
11	1.38	1.98	1.44	1.44	1.54	1.49	1.33	1.70	1.39	1.57	1.70	1.63	1.64	1.76	1.70	0.81	1.03	0.90
12	1.45	1.91	1.48	1.43	1.54	1.49	1.34	1.47	1.41	1.56	1.78	1.62	1.65	1.75	1.69	1.33	1.51	1.13
13	1.42	1.89	1.45	1.46	1.59	1.53	1.42	1.53	1.48	1.61	1.71	1.65	1.65	1.75	1.69	1.17	1.46	1.32
14	1.36	1.88	1.46	1.45	1.60	1.55	1.50	1.81	1.54	1.56	1.72	1.64	1.41	1.71	1.66	1.01	1.27	1.14
15	1.52	1.66	1.56	1.51	1.60	1.56	1.45	1.85	1.50	1.61	1.80	1.65	1.61	1.72	1.68	0.98	1.18	1.07
16	1.37	1.57	1.39	1.34	1.61	1.52	1.49	1.56	1.52	1.59	1.84	1.67	1.63	1.76	1.69	0.91	1.14	1.00
17	1.38	2.04	1.42	1.45	1.56	1.50	1.49	1.56	1.52	1.59	1.78	1.66	1.60	1.75	1.70	0.78	0.97	0.87
18	1.31	1.33	1.32	1.28	1.56	1.49	1.45	1.53	1.50	1.57	1.83	1.65	1.66	1.79	1.72	0.71	0.88	0.80
19	1.39	2.06	1.48	1.44	1.63	1.57	1.44	1.53	1.49	1.58	1.74	1.65	1.54	1.79	1.74	0.67	1.21	0.91
20	1.43	1.89	1.45	1.48	1.61	1.54	1.48	1.54	1.52	1.56	1.82	1.66	1.64	1.78	1.71	1.02	1.21	1.10
21	1.52	1.96	1.54	1.54	1.66	1.60	1.49	1.60	1.57	1.58	1.86	1.65	1.61	1.76	1.70	0.93	1.12	1.02
22	1.49	1.93	1.52	1.49	1.63	1.56	1.54	1.61	1.58	1.56	1.83	1.64	1.61	1.92	1.73	0.89	1.77	1.29
23	1.49	2.01	1.58	1.54	1.70	1.63	1.45	1.66	1.52	1.61	1.90	1.68	1.66	1.85	1.80	1.35	1.63	1.50
24	1.56	1.97	1.59	1.53	1.72	1.64	1.43	1.53	1.50	1.64	1.91	1.69	1.71	1.85	1.80	1.16	1.39	1.27
25	1.45	1.55	1.47	1.56	1.73	1.66	1.41	1.54	1.50	1.67	1.89	1.73	1.74	1.89	1.83	1.02	1.18	1.11
26	1.44	1.94	1.47	1.42	1.80	1.75	1.51	1.63	1.57	1.69	1.91	1.74	1.72	1.91	1.86	0.94	1.92	1.41
27	1.50	1.81	1.52	1.61	1.78	1.74	1.57	1.64	1.60	1.68	1.95	1.73	1.84	1.94	1.89	1.54	1.82	1.67
28	--	--	--	1.59	1.73	1.70	1.54	1.63	1.61	1.65	1.93	1.72	1.55	1.99	1.87	1.33	1.59	1.45
29	1.43	1.82	1.46	1.52	1.73	1.67	1.60	1.72	1.65	1.68	1.79	1.73	1.73	1.86	1.82	1.23	1.63	1.42
30	1.39	1.82	1.41	1.51	1.80	1.70	1.62	1.70	1.66	1.61	1.90	1.70	1.74	1.97	1.83	1.26	1.50	1.38
31	1.38	1.83	1.40	1.63	1.78	1.72	1.59	1.64	1.61	1.65	1.79	1.71	1.63	1.92	1.79	1.07	1.28	1.18
Monthly Min/Max/Avg	1.29	2.06	1.46	1.28	1.80	1.59	1.33	1.85	1.53	1.55	1.95	1.68	1.41	1.99	1.74	0.67	1.92	1.22

NOTES: '--' Indication Analyzer Offline

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

August 2025

Reservoir	Rosslyn 1			Londonderry			N. Jasper Place			Rosslyn 2			Thorncliffe			Blackmud Creek		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1				1.32	1.68	1.43	1.20	1.77	1.23	1.16	1.51	1.23	1.25	1.99	1.28	1.40	1.50	1.47
2				1.23	1.56	1.38				1.22	1.90	1.30	1.28	1.98	1.31	1.41	1.47	1.45
3				1.28	1.58	1.39	1.21	1.69	1.24	1.31	1.87	1.32	1.25	1.94	1.27	1.32	1.47	1.42
4				0.99	1.49	1.32	1.16	1.70	1.17	1.22	1.47	1.30	1.23	1.96	1.24	1.32	1.45	1.37
5	1.35	1.35	1.35	1.20	1.49	1.33	1.10	1.76	1.14	1.24	1.89	1.28	1.13	1.97	1.18	1.34	1.43	1.38
6	1.27	1.31	1.29	1.20	1.48	1.34	1.10	1.79	1.18	1.22	2.03	1.25	1.09	1.96	1.11	1.32	1.41	1.38
7	1.15	1.20	1.18	1.19	1.47	1.30	1.13	1.75	1.15	1.17	1.24	1.19	1.09	1.09	1.09	1.37	1.44	1.40
8	1.07	1.12	1.10	1.13	1.36	1.22	1.21	1.76	1.24	1.10	1.17	1.12	--	--	--	1.38	1.49	1.45
9	1.02	1.06	1.03	1.08	1.49	1.19	1.30	1.78	1.32	1.00	1.10	1.06	1.43	1.96	1.45	1.36	1.43	1.41
10	--	--	--	1.18	1.64	1.50	1.22	1.60	1.25	1.05	2.08	1.22	1.25	1.94	1.36	1.30	1.40	1.37
11	1.35	1.38	1.38	1.25	1.59	1.39	1.20	1.73	1.23	1.16	1.24	1.20	1.30	1.93	1.43	1.28	1.41	1.36
12	1.30	1.35	1.32	1.24	1.59	1.45	1.12	1.73	1.15	1.18	1.99	1.21	1.23	1.93	1.24	1.34	1.46	1.41
13	--	--	--	1.23	1.56	1.35	1.09	1.61	1.11	1.14	1.52	1.22	1.16	1.91	1.19	1.39	1.45	1.42
14	--	--	--	1.05	1.51	1.32	1.14	1.67	1.16	1.24	1.92	1.25	1.14	1.92	1.16	1.35	1.42	1.39
15	1.44	1.49	1.45	1.22	1.53	1.38	1.17	1.71	1.19	1.08	1.28	1.24	1.21	1.90	1.23	1.38	1.45	1.43
16	--	--	--	1.22	1.59	1.44	1.20	1.74	1.23	1.21	2.04	1.23	1.29	1.94	1.36	1.43	1.52	1.47
17	--	--	--	1.27	1.59	1.44	1.19	1.79	1.22	1.25	2.06	1.31	1.29	1.95	1.34	1.44	1.58	1.49
18	1.18	1.34	1.29	1.23	1.59	1.42	1.13	1.79	1.17	1.14	1.23	1.20	1.25	1.96	1.28	1.46	1.58	1.52
19	1.33	1.34	1.33	1.18	1.56	1.37	1.22	1.92	1.25	1.06	1.17	1.16	1.25	1.96	1.28	1.50	1.61	1.55
20	--	--	--	1.16	1.56	1.37	1.24	1.94	1.27	1.07	1.16	1.15	1.23	1.99	1.26	1.52	1.59	1.56
21				1.23	1.59	1.39	1.26	1.95	1.60	1.16	2.09	1.22				1.50	1.60	1.56
22				1.19	1.56	1.33	1.13	1.85	1.16	1.19	1.69	1.24	1.19	1.99	1.21	1.52	1.62	1.58
23	1.38	1.42	1.41	1.19	1.52	1.39	1.11	1.99	1.15	1.04	1.25	1.21	1.16	2.03	1.19	1.56	1.67	1.60
24	1.31	1.39	1.36	1.22	1.49	1.36	1.26	2.08	1.29	1.18	1.78	1.22	1.23	2.08	1.25	1.56	1.67	1.60
25	1.33	1.38	1.35	1.20	1.52	1.31	1.29	2.04	1.32	1.00	1.19	1.17	1.15	2.06	1.17	1.56	1.64	1.61
26	1.33	1.41	1.39	1.17	1.58	1.43	1.39	2.06	1.42	1.12	1.38	1.17	1.32	2.08	1.35	1.56	1.64	1.61
27	1.38	1.47	1.45	1.10	1.54	1.34	1.36	1.99	1.39	1.12	2.03	1.20	1.21	2.06	1.29	1.60	1.71	1.66
28				1.24	1.61	1.44	1.35	1.95	1.37	1.14	1.23	1.21	1.32	2.03	1.54	1.61	1.68	1.64
29	--	--	--	1.35	1.60	1.44	1.27	2.00	1.31	1.18	1.28	1.24	1.23	2.03	1.27	1.57	1.66	1.63
30	1.44	1.51	1.49	1.30	1.62	1.44	1.28	1.30	1.29	1.27	2.10	1.29	1.16	1.23	1.20	1.54	1.60	1.57
31	1.40	1.49	1.46	1.26	1.57	1.44	--	--	--	1.04	2.02	1.29	1.13	1.16	1.15	1.49	1.57	1.54
Monthly Min/Max/Avg	1.02	1.51	1.33	0.99	1.68	1.37	1.09	2.08	1.25	1.00	2.10	1.22	1.09	2.08	1.26	1.28	1.71	1.49

NOTES: '--' Indication Analyzer Offline

1.2.31 Orthophosphate Chemical
- August 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	805	1,130
2	0.90	0.90	786	1,077
3	0.90	0.90	659	945
4	0.90	0.90	550	912
5	0.90	0.90	598	980
6	0.90	0.90	610	1,026
7	0.91	0.90	385	1,078
8	0.90	0.90	518	1,010
9	0.90	0.90	572	995
10	0.90	0.90	603	898
11	0.90	0.90	651	672
12	0.90	0.90	672	902
13	0.90	0.90	672	888
14	0.90	0.90	683	954
15	0.90	0.90	638	917
16	0.90	0.90	560	889
17	0.90	0.90	569	904
18	0.90	0.90	539	896
19	0.90	0.90	633	1,041
20	0.90	0.90	657	948
21	0.90	0.90	625	1,024
22	0.90	0.90	702	921
23	0.90	0.90	560	971
24	0.90	0.90	575	1,014
25	0.90	0.90	688	1,048
26	0.90	0.90	815	1,128
27	0.90	0.90	785	1,109
28	0.90	0.90	796	1,178
29	0.90	0.90	809	1,117
30	0.90	0.90	725	1,067
31	0.90	0.90	704	1,048
Monthly Total			20,146	30,685
Monthly Avg	0.90	0.90	650	990

NOTES: ' -- ' indicates plant offline
- Phosphoric acid consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 75%)
- NSF limit for Phosphoric acid (75%) is 13 mg/l)

1.2.32 Summary of Mainbreaks

August 2025

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
2025-08-04 10:03	6311-90 AVENUE NW	2025-08-04 16:28	200	CI
2025-08-05 13:48	9127-142 STREET NW	2025-08-05 23:24	200	CI
2025-08-08 10:49	4606-114 AVENUE NW	2025-08-08 19:04	150	CI
2025-08-09 5:56	12829-133 STREET NW	2025-08-09 16:42	250	CI
2025-08-10 6:55	11347-69 STREET NW	2025-08-10 14:17	150	CI
2025-08-11 12:24	11038-160 STREET NW	2025-08-11 19:40	150	CI
2025-08-11 16:05	13803-63 STREET NW	2025-08-11 22:30	200	CI
2025-08-15 7:30	12301-86 STREET NW	2025-08-15 16:50	150	CI
2025-08-15 13:46	14445U-123 AVENUE NW	2025-08-15 23:04	200	CI
2025-08-15 23:15	14445U-123 AVENUE NW	2025-08-16 12:55	200	CI
2025-08-16 2:11	13362-140 STREET NW	2025-08-21 17:32	150	CI
2025-08-19 15:00	12301-86 STREET NW	2025-08-19 17:45	150	CI
2025-08-21 17:32	13362-140 STREET NW	2025-08-21 17:53	150	CI
2025-08-24 14:04	11955-101 STREET NW	2025-08-25 15:10	200	CI
2025-08-24 15:17	3617-117 AVENUE NW	2025-08-25 10:58	150	CI
2025-08-24 16:27	12224-125 STREET NW	2025-09-01 0:00	350	PVC
2025-08-26 10:57	10404-111 AVENUE NW	2025-08-26 11:10	150	CI
2025-08-27 9:32	9312-114 AVENUE NW	2025-08-27 18:00	150	CI
2025-08-26 14:21	6812 - 188 STREET NW	2025-08-28 19:35	150	PVC
2025-08-29 20:40	11420-44 AVENUE NW	2025-08-30 16:24	150	AC
2025-08-30 7:02	12012-128 AVENUE NW	2025-08-30 16:35	200	AC
2025-08-30 18:20	10755-70 AVENUE NW	2025-09-13 13:00	150	CI
2025-08-30 19:30	10863-82 AVENUE NW	2025-08-31 13:50	150	CI
2025-08-30 20:35	6905-110 STREET NW	2025-08-31 11:19	150	CI
2025-08-31 1:18	9351-64 AVENUE NW	2025-08-31 16:30	150	CI
2025-08-31 3:20	15010-93 AVENUE NW	2025-08-31 15:59	150	CI
2025-08-31 16:14	12876-127 ST NW	2025-08-31 22:52	250	CI
2025-08-31 22:52	12876-127 ST NW	2025-09-01 12:57	250	CI

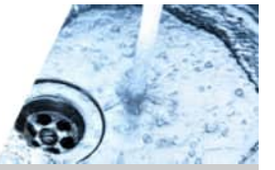
Month	Total Breaks By Month
Jan-25	25
Feb-25	89
Mar-25	32
Apr-25	23
May-25	11
Jun-25	16
Jul-25	14
Aug-25	28
Sep-25	
Oct-25	
Nov-25	
Dec-25	
YTD 2025	**238**

**Pipe Type Explanation	
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

August 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO3/L)	62	113.6	108.0 - 124.0	485	114.5	81.0 - 139.0
Aluminum (mg/L)	2	0.060	0.046 - 0.073	16	0.057	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	68	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	61	1.5	0.9 - 2.1	485	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	16	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO3)	60	112.8	106.0 - 125.0	472	115.4	90.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.21	0.11 - 0.32	68	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	6.6	5.4 - 8.0	68	6.80	4.59 - 14.20
Chlorine total (mg/L)	62	2.15	1.98 - 2.30	486	2.10	1.89 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	68	<0.2	<0.005 - <0.2
Chloroform (µg/L)	61	31.5	24.3 - 43.6	485	21.3	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Colour (TCU)	62	1.2	0.8 - 1.9	486	1.0	<0.5 - 2.7
Conductivity (µS/cm)	8	407.0	380.0 - 443.0	68	401.6	358.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	16	0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	16	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.70	0.65 - 0.78	485	0.68	0.59 - 0.78
Giardia (cysts/100L)	2	<0.1	<0.1	16	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	30.7	29.8 - 31.6	15	20.5	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	16	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	16	0.002	<0.002 - 0.005
Mercury (µg/L)				6	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.03	<0.01 - 0.04	66	0.06	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	0.01	66	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	15	0.00142	<0.0009 - 0.00142
pH	62	8	8	485	8	8
Potassium (mg/L)	2	0.8	0.8	16	0.9	0.6 - 1.9
Sodium (mg/L)	2	13.2	10.8 - 15.6	16	13.4	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	76.2	70.4 - 80.4	68	75.8	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	251.00	236.00 - 266.00	16	226.06	52.00 - 267.00
Total Hardness (mg/L CaCO3)	60	170.5	162.0 - 182.0	484	174.3	131.0 - 212.0
Total Organic Carbon (mg/L)	8	2.0	1.9 - 2.1	68	1.7	0.8 - 3.4
Trihalomethanes (µg/L)	61	33.1	26.1 - 45.5	485	22.6	4.3 - 84.7
Turbidity (NTU)	62	0.04	<0.04 - 0.07	486	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	16	<0.005	<0.005

Concentrations are reported as mg/L unless otherwise indicated.
Alkalinity and Hardness (Ca and Total) are reported as mg $CaCO_3$/L

%T	= % Transmittance
- ve	= Absent
+ ve	= Present
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 – August 2025

Drinking water quality must meet the requirements in the Alberta Environment and Protected Areas *Approval-to-Operate* (638-04-01) 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 March 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, commons 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* (638-04-01) requirements occurs if the chlorine residual in more than 25% of samples collected in a day is < 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: **1** 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	1	1
Reservoirs	0	0
TOTAL (Distribution) [1]	1	1

Notes: 1) YTD violations include 1 consecutive total coliform positive result in August 2025.

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	1
Turbidity > 1 NTU	0	0
Chlorine < 1 mg/L or > 2.4 mg/L	0	0
Cryptosporidium ≥ 1/1000 L	0	0
Giardia ≥ 1/1000 L	0	0
Other	0	16
Total Variances + Violations	0 + 0 = 0	17 + 0 = 17

Notes: 1) Variance statistics include any violations.

2) As of March 1st, 2025, both ELS and ROS WTP were converted to Conventional Filtration mode. Aluminum limit changes from 0.1 mg/L to 0.2 mg/L (operational guideline), when in Direct Filtration.

3) YTD variances in the 'Other' category included one variance for Fluoride in Feb 2025, one variance for Trihalomethanes in May 2025, and 14 variances for Trihalomethanes in June 2025

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	20	94
Chlorine < 1 mg/L or > 2.4 mg/L	1	9
Single Positive Coliform	2	4
THMs > 50 µg/L	0	8
Pipe Lube, Odour, UV positive	0	1
Aluminum[2] > 0.20 (or 0.1) mg/L	4	23
Iron > 0.10 mg/L	5	19
Other	0	0
Total Variances + Violations	32 + 1 = 33	158 + 1 = 159

Notes: 1) Variance statistics include any violations.

2) As of March 1st, 2025 both ELS and ROS WTP were converted to Conventional Filtration mode. Aluminum limit changes from 0.1 mg/L to 0.2 mg/L (operational guideline), when in Direct Filtration.

2.2.1 BACTERIOLOGICAL DATA

Water Treatment Plants

August 2025

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Cellular ATP (pg/mL)				5	77.4	21.5 - 158.5
Coliforms total (MPN/100 mL)	4	910.8	325.5 - 1986.3	38	504.4	21.3 - 4962.0
E. coli (MPN/100 mL)	4	33.0	13.4 - 49.6	38	13.0	1.0 - 82.0
Rossdale Raw						
Cellular ATP (pg/mL)	1	32.5	32.5	8	69.6	7.6 - 175.2
Coliforms total (MPN/100 mL)	31	801.5	108.1 - 3744.0	243	710.1	21.6 - 10950.0
E. coli (MPN/100 mL)	31	35.3	2.0 - 220.0	243	46.1	1.0 - 3328.0
EL Smith Treated						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.3	243	0.1	<0.10 - 1.6
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.4	243	0.1	<0.10 - 1.3
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.6	243	0.1	<0.10 - 1.8
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.2	243	0.1	<0.10 - 0.5
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

August 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	152	0.6	<0.10 - 8.3	1048	0.3	<0.10 - 10.0
Chlorine total (mg/L)	244	1.56	0.97 - 2.20	1826	1.77	0.19 - 2.34
Coliforms total (MPN/100 mL)	12	Not Detected	Not Detected	26	Not Detected	Not Detected
Coliforms total (PA/100mL)	236	-VE	+VE	1803	-VE	+VE - -VE
E. coli (MPN/100 mL)	12	Not Detected	Not Detected	26	Not Detected	Not Detected
E. coli (PA/100mL)	236	-VE	-VE	1803	-VE	-VE
Turbidity (NTU)	244	0.28	<0.04 - 3.51	1826	0.22	<0.04 - 6.84

236

Count of Bacteriological Tests

112%

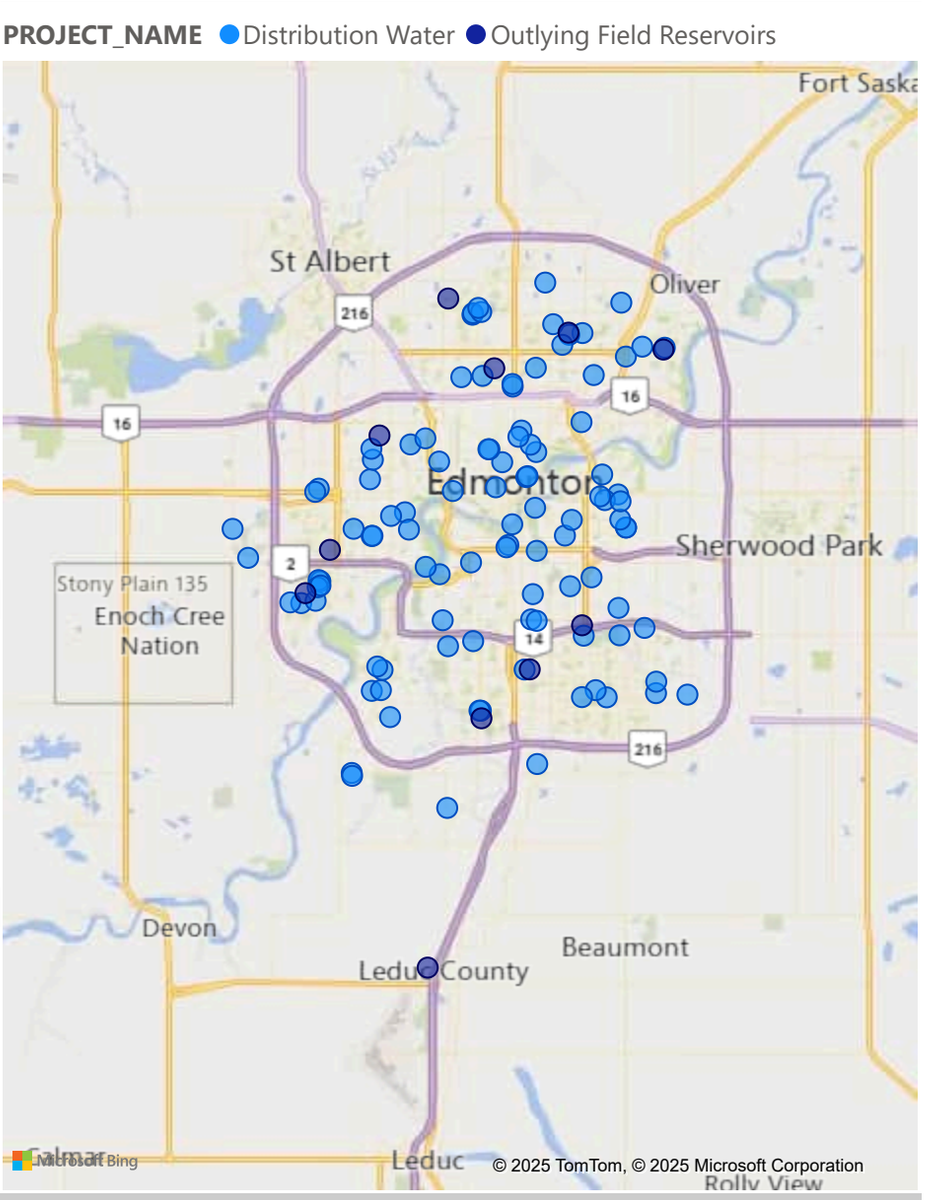
Percent of Target Sampling (210)

47%

Analyzed by AHS

53%

Analyzed by Epcor



2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

August 2025

Location	EL Smith Raw		EL Smith Reservoir		Rossdale Raw		Rossdale Reservoir	
Date	Cryptosporidium	Giardia	Cryptosporidium	Giardia	Cryptosporidium	Giardia	Cryptosporidium	Giardia
Jan 13					<32.29	<32.29	<0.1	<0.1
Jan 14	<1.64	<1.64	<0.09	<0.09				
Feb 10	<1	1	<0.1	<0.1	<1	13.9	<0.1	<0.1
Mar 11	<2.78	11.1	<0.1	<0.1	<3.76	18.8	<0.09	<0.09
Apr 16	13.0	150.0	<0.1	<0.1	17.0	130.0	<0.1	<0.1
May 05	<7.9	16.0	<0.1	<0.1	<3.2	16.0	<0.1	<0.1
Jun 11	<9.9	<9.9	<0.1	<0.1	<4.4	<4.4	<0.1	<0.1
Jul 14					<5.5	11.0	<0.1	<0.1
Jul 15	7.6	68.0	<0.1	<0.1				
Aug 25					<79.0	79.0	<0.1	<0.1
Aug 26	6.4	38.0	<0.1	<0.1				
Sep 15	<3.4	86.0			<8.9	35.0		
Sep 16			<0.1	<0.1			<0.1	<0.1

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	8	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	8	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	31	1.1	0.8 - 1.9	243	1.0	<0.5 - 2.7	(15.0)	10.0
Conductivity (µS/cm)	4	399.0	380.0 - 443.0	34	398.3	358.0 - 443.0		
pH	31	8	8	242	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	236.00	236.00	8	236.13	211.00 - 267.00	(500.00)	
Turbidity (NTU)	31	0.04	<0.04 - 0.07	243	0.05	<0.04 - 0.10	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.067	0.067	8	0.063	0.054 - 0.067	2.000	
Boron (mg/L)	1	0.012	0.012	8	0.012	0.008 - 0.019	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	34	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	8	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.30	0.28 - 0.32	34	0.29	0.1 - 0.49	1.00	
Chlorine total (mg/L)	31	2.19	2.05 - 2.30	243	2.13	1.93 - 2.32		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	34	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0500	
Cyanide (mg/L)				3	<0.002	<0.002	0.2000	
Fluoride (mg/L)	31	0.71	0.65 - 0.78	242	0.71	0.63 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0050	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.03	<0.01 - 0.04	33	0.06	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	33	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	8	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	8	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				3	0.059	<0.050 - 0.059	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				3	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				3	0.1	<0.10	5.0	
Benzene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				3	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				3	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Chlorpyrifos (µg/L)				3	0.10	<0.10	90.00	
Cyanazine (µg/L)				3	0.10	<0.100		
Diazinon (µg/L)				3	0.025	<0.0250		
Dicamba (µg/L)				3	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	14.0	
Dichlorophenol (2,4) (µg/L)				3	0.20	<0.20		
Diclofop-methyl (µg/L)				3	0.10	<0.100		
Dimethoate (µg/L)				3	0.050	<0.050	20.000	
Diquat (µg/L)				3	<1.0	<1.0	50.0	
Diuron (µg/L)				3	0.050	<0.050		
Ethylbenzene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)				3	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	31.6	31.6	7	21.1	11.1 - 31.6	80.0	40.0
Malathion (µg/L)				3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	0.6	<0.5 - 1.0	242	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				3	0.025	<0.0250		
Metribuzin (µg/L)				3	0.10	<0.100	80.00	
Microcystin total (µg/L)				3	0.15	<0.15 - 0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				3	0.40	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	7	0.00142	<0.0009 - 0.00142	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				3	<0.16	<0.16		
Pentachlorophenol (µg/L)				3	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				5	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				5	<2.0	<2.0	2.0	
Phorate (µg/L)				3	<0.250	<0.250		
Picloram (µg/L)				3	<0.50	<0.10 - <0.50		
Simazine (µg/L)				3	0.10	<0.100		
Terbufos (µg/L)				3	<0.50	<0.50		
Tetrachloroethylene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				3	<0.50	<0.50		
Toluene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)				3	0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				3	0.10	<0.10		
Trihalomethanes (µg/L)	30	34.5	27.4 - 45.5	242	24.0	4.3 - 84.7	100.0	50.0
Vinyl Chloride (µg/L)	30	1.03	<0.50 - 2.00	242	1.03	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	30	0.97	<0.50 - 1.00	242	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	31	112.4	108.0 - 117.0	242	113.6	81.0 - 139.0		
Aluminum (mg/L)	1	0.073	0.073	8	0.061	0.021 - 0.127	2.900 (0.100)	
Ammonia as NH3 (mg/L)	14	0.12	0.10 - 0.14	138	0.11	0.01 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	34	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	46.8	46.8	8	47.3	43.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	31	112.6	106.0 - 120.0	243	115.4	90.0 - 136.0		
Chloride Dissolved (mg/L)	4	5.9	5.4 - 6.7	34	6.98	4.59 - 14.20	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	7	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	8	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	8	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0039	0.0039	8	0.0036	0.0030 - 0.0040		
Magnesium (mg/L)	1	14.2	14.2	8	14.4	12.6 - 17.2		
Manganese (mg/L)	1	<0.002	<0.002	8	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	8	0.0007	0.0006 - 0.0010		
Nickel (mg/L)	1	<0.0005	<0.0005	8	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	7	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	8	<0.02	<0.02		
Potassium (mg/L)	1	0.8	0.8	8	1.0	0.6 - 1.9		
Silicon (mg/L)	1	2.57	2.57	8	2.18	1.56 - 2.57		
Silver (mg/L)	1	<0.00002	<0.00002	8	<0.00002	<0.00002		
Sodium (mg/L)	1	10.8	10.8	8	12.5	6.8 - 19.6	(200.0)	
Strontium (mg/L)	1	0.379	0.379	8	0.431	0.367 - 0.480	7.000	
Sulphate Dissolved (mg/L)	4	73.2	70.4 - 75.8	34	74.0	59.3 - 105.0	(500.0)	
Sulphide (mg/L)				3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	31	170.5	162.0 - 182.0	243	174.1	131.0 - 209.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	30	0.53	<0.40 - 1.00	242	0.53	<0.40 - 1.00		
Xylene (1,2) (µg/L)	30	0.52	<0.30 - 1.00	242	0.52	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	16.90	16.90	7	11.15	5.56 - 17.00		
Total Volatile Organics (Non THM) (µg/L)	28	1.2	<1.0 - 2.2	213	1.4	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	34	1.8	0.8 - 3.4		
Tetrachloroethane (1,1,2,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Styrene (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	1.11	1.11	7	1.02	<1.00 - 1.11		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	2.3	<1.0 - 20.0	242	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	1	13.60	13.60	7	9.84	4.94 - 15.10		
Dibromochloromethane (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Chloroform (µg/L)	30	32.9	26.1 - 43.6	242	22.7	3.6 - 82.8	(40.0)	
Bromoform (µg/L)	30	0.5	<0.5 - 1.0	242	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	30	1.5	1.0 - 2.1	242	1.2	<0.5 - 2.6		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	7	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)				1	<40	<40	7000.00	
Strontium-90 (Bq/L)				1	<0.05	<0.05	5.00	
Radium-226 (Bq/L)				1	0.007	0.007	0.500	
Lead-210 (Bq/L)				1	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)				1	<0.6	<0.6	6.0	
Gross Beta (Bq/L)				1	0.17	0.17		
Gross Alpha (Bq/L)				1	<0.12	<0.12		
Cesium-137 (Bq/L)				1	<0.09	<0.09	10.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	243	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	8	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	31	-VE	-VE	243	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	8	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	31	1.3	0.8 - 1.7	243	1.0	<0.5 - 1.8	(15.0)	10.0
Conductivity (µS/cm)	4	415.0	403.0 - 443.0	34	404.8	359.0 - 476.0		
pH	31	8	8	243	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	266.00	266.00	8	216.00	52.00 - 266.00	(500.00)	
Turbidity (NTU)	31	0.04	<0.04 - 0.06	243	0.05	<0.04 - 0.52	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.066	0.066	8	0.062	0.053 - 0.066	2.000	
Boron (mg/L)	1	0.012	0.012	8	0.011	0.008 - 0.016	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	34	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	8	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.12	0.11 - 0.13	34	0.11	<0.1 - 0.16	1.00	
Chlorine total (mg/L)	31	2.10	1.98 - 2.22	243	2.07	1.89 - 2.22		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	34	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0500	
Cyanide (mg/L)				3	<0.002	<0.002	0.2000	
Fluoride (mg/L)	31	0.69	0.66 - 0.75	243	0.66	0.59 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0050	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.03	0.01 - 0.04	33	0.06	<0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	33	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	8	0.0003	0.0002 - 0.0004	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	8	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				3	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				3	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				3	0.1	<0.10	5.0	
Benzene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				3	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				3	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Chlorpyrifos (µg/L)				3	0.10	<0.10	90.00	
Cyanazine (µg/L)				3	0.10	<0.100		
Diazinon (µg/L)				3	0.025	<0.0250		
Dicamba (µg/L)				3	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	14.0	
Dichlorophenol (2,4) (µg/L)				3	0.20	<0.20		
Diclofop-methyl (µg/L)				3	0.10	<0.100		
Dimethoate (µg/L)				3	0.050	<0.050	20.000	
Diquat (µg/L)				3	<1.0	<1.0	50.0	
Diuron (µg/L)				3	0.050	<0.050		
Ethylbenzene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)				3	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	29.8	29.8	8	19.8	7.8 - 30.1	80.0	40.0
Malathion (µg/L)				3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.6	<0.5 - 1.0	243	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				3	0.025	<0.0250		
Metribuzin (µg/L)				3	0.10	<0.100	80.00	
Microcystin total (µg/L)				3	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				3	0.40	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	8	<0.0018	<0.0009 - <0.0018	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				3	<0.16	<0.16		
Pentachlorophenol (µg/L)				3	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				5	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				5	<2.0	<2.0	2.0	
Phorate (µg/L)				3	<0.250	<0.250		
Picloram (µg/L)				3	<0.50	<0.10 - <0.50		
Simazine (µg/L)				3	0.10	<0.100		
Terbufos (µg/L)				3	<0.50	<0.50		
Tetrachloroethylene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				3	<0.50	<0.50		
Toluene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)				3	0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				3	0.10	<0.10		
Trihalomethanes (µg/L)	31	31.7	26.1 - 44.3	243	21.1	4.3 - 64.5	100.0	50.0
Vinyl Chloride (µg/L)	31	1.02	<0.50 - 2.00	243	1.03	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	31	0.95	<0.50 - 1.00	243	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	31	114.9	111.0 - 124.0	243	115.4	90.0 - 138.0		
Aluminum (mg/L)	1	0.046	0.046	8	0.054	0.021 - 0.100	2.900 (0.100)	
Ammonia as NH3 (mg/L)	14	0.08	0.05 - 0.11	138	0.09	0.01 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	34	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.9	47.9	8	47.7	44.1 - 54.9		
Calcium Hardness (mg/L CaCO3)	31	113.2	106.0 - 125.0	243	115.6	92.0 - 137.0		
Chloride Dissolved (mg/L)	4	7.2	6.4 - 8.0	34	6.62	5.02 - 8.96	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	7	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	8	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	8	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	8	0.0032	0.0027 - 0.0037		
Magnesium (mg/L)	1	14.2	14.2	8	14.5	12.9 - 17.1		
Manganese (mg/L)	1	<0.002	<0.002	8	0.002	<0.002 - 0.005	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	8	0.0007	0.0005 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	8	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	7	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	8	<0.02	<0.02		
Potassium (mg/L)	1	0.8	0.8	8	0.9	0.6 - 1.8		
Silicon (mg/L)	1	2.62	2.62	8	2.15	1.49 - 2.62		
Silver (mg/L)	1	<0.00002	<0.00002	8	<0.00002	<0.00002		
Sodium (mg/L)	1	15.6	15.6	8	14.4	6.3 - 27.2	(200.0)	
Strontium (mg/L)	1	0.374	0.374	8	0.429	0.369 - 0.475	7.000	
Sulphate Dissolved (mg/L)	4	79.2	78.3 - 80.4	34	77.6	60.7 - 116.0	(500.0)	
Sulphide (mg/L)				3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	8	0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	31	170.8	163.0 - 180.0	243	174.4	136.0 - 212.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	8	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	8	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	8	<0.001	<0.001		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	31	0.52	<0.40 - 1.00	243	0.53	<0.40 - 1.00		
Xylene (1,2) (µg/L)	31	0.51	<0.30 - 1.00	243	0.52	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	14.60	14.60	8	9.98	3.92 - 15.20		
Total Volatile Organics (Non THM) (µg/L)	28	1.1	<1.0 - 1.9	213	1.4	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	34	1.7	0.8 - 3.1		
Tetrachloroethane (1,1,2,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Styrene (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	1.25	1.25	8	1.03	<1.00 - 1.25		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	8	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	2.9	<1.0 - 20.0	243	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	1	13.90	13.90	8	9.71	3.91 - 14.90		
Dibromochloromethane (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	8	<1.00	<1.00		
Chloroform (µg/L)	31	30.2	24.3 - 42.8	243	20.0	3.5 - 62.8	(40.0)	
Bromoform (µg/L)	31	0.5	<0.5 - 1.0	243	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	31	1.4	0.9 - 1.9	243	1.0	<0.5 - 2.0		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	8	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)				1	<40	<40	7000.00	
Strontium-90 (Bq/L)				1	<0.05	<0.05	5.00	
Radium-226 (Bq/L)				1	<0.005	<0.005	0.500	
Lead-210 (Bq/L)				1	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)				1	<0.4	<0.4	6.0	
Gross Beta (Bq/L)				1	0.09	0.09		
Gross Alpha (Bq/L)				1	<0.12	<0.12		
Cesium-137 (Bq/L)				1	<0.2	<0.2	10.0	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

August 2025

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	94.3	91.5	243	97.6	90.2 - 97.6		
UV Absorbance (UV Abs/cm)	31	0.033	0.026 - 0.039	243	0.027	0.011 - 0.045		
EL Smith Treated								
Turbidity (NTU)	31	0.04	<0.04 - 0.07	243	0.05	<0.04 - 0.10	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	93.8	91.2	243	97.2	89.2 - 97.2		
UV Absorbance (UV Abs/cm)	31	0.033	0.028 - 0.040	243	0.027	0.013 - 0.050		
Rossdale Treated								
Turbidity (NTU)	31	0.04	<0.04 - 0.12	243	0.05	<0.04 - 0.12	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	243	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	23.4	19.5 - 33.4	243	17.1	3.3 - 70.0	100.0	50.0
Xylenes total (µg/L)	31	0.95	<0.50 - 1.00	243	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Benzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	243	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	28.5	24.1 - 37.9	243	20.1	4.9 - 82.4	100.0	50.0
Xylenes total (µg/L)	31	0.95	<0.50 - 1.00	243	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

August 2025

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	34	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.12	0.10 - 0.13	34	0.11	<0.1 - 0.16	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	34	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.03	0.01 - 0.05	33	0.06	<0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	33	0.01	<0.01 - 0.01	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	34	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.31	0.27 - 0.35	34	0.29	0.1 - 0.41	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	34	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.03	<0.01 - 0.04	33	0.06	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	33	0.01	<0.01 - 0.01	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	14	0.08	<0.05 - 0.12	138	0.09	<0.05 - 0.14		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	34	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	7.0	6.0 - 7.7	34	6.56	4.84 - 8.93	(250.00)	
Sulphate Dissolved (mg/L)	4	81.5	79.1 - 87.0	34	78.4	60.5 - 114.0	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	14	0.10	0.08 - 0.14	138	0.11	<0.05 - 1.00		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	34	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	5.8	5.0 - 6.8	34	7.47	4.55 - 16.30	(250.00)	
Sulphate Dissolved (mg/L)	4	73.9	71.6 - 76.1	34	74.0	59.2 - 104.0	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	31	1.1	0.8 - 1.4	243	0.8	<0.5 - 1.7		
Bromoform (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	22.3	18.2 - 32.2	243	16.2	2.5 - 68.5	(40.0)	
Dibromochloromethane (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	2.8	<1.0 - 20.0	243	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	28	1.1	<1.0 - 2.0	213	1.3	<1.0 - 3.9		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	0.48	<0.30 - 0.50	243	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	0.49	<0.40 - 0.50	243	<0.5	<0.40 - <0.5		
Rossdale Treated								
Bromodichloromethane (µg/L)	31	1.3	1.0 - 1.8	243	1.0	<0.5 - 2.3		
Bromoform (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	27.0	22.9 - 36.3	243	18.9	3.5 - 80.6	(40.0)	
Dibromochloromethane (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	2.8	<1.0 - 20.0	243	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	28	1.1	<1.0 - 2.1	213	1.3	<1.0 - 3.5		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.50	<0.5	243	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	0.48	<0.30 - 0.50	243	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	0.49	<0.40 - 0.50	243	<0.5	<0.40 - <0.5		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	12	Not Detected	Not Detected	26	Not Detected	Not Detected		
Coliforms total (PA/100mL)	184	-VE	+VE	1364	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	12	Not Detected	Not Detected	26	Not Detected	Not Detected		
E. coli (PA/100mL)	184	-VE	-VE	1364	-VE	-VE	0.0	
Physical								
Colour (TCU)				3	0.6	<0.5 - 0.8	(15.0)	10.0
pH	100	8	8	269	8	7 - 8		7 - 8
Total Dissolved Solids (mg/L)				3	224.33	209.00 - 238.00	(500.00)	
Turbidity (NTU)	192	0.33	<0.04 - 3.51	1387	0.25	<0.04 - 6.84	(3.00)	1.00
UV Absorbance (UV Abs/cm)				3	0.031	0.022 - 0.043		
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.060	0.050 - 0.069	2.000	
Boron (mg/L)				4	0.010	0.008 - 0.011	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.29	0.27 - 0.30	12	0.21	0.09 - 0.31	1.00	
Chlorine total (mg/L)	192	1.58	0.97 - 2.20	1387	1.78	0.19 - 2.34		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				3	<0.002	<0.002	0.2000	
Fluoride (mg/L)				3	0.71	0.65 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	100	0.04	0.01 - 0.09	269	0.04	<0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	100	0.01	<0.01 - 0.02	269	0.01	<0.01 - 0.04	1.00	
Selenium (mg/L)				4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0006	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				3	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				3	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				3	0.1	<0.10	5.0	
Benzene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				3	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				3	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Chlorpyrifos (µg/L)				3	0.10	<0.10	90.00	
Cyanazine (µg/L)				3	0.10	<0.100		
Diazinon (µg/L)				3	0.025	<0.0250		
Dicamba (µg/L)				3	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	14.0	
Dichlorophenol (2,4) (µg/L)				3	0.20	<0.20		
Diclofop-methyl (µg/L)				3	0.10	<0.100		
Dimethoate (µg/L)				3	0.050	<0.050	20.000	
Diquat (µg/L)				3	<1.0	<1.0	50.0	
Diuron (µg/L)				3	0.050	<0.050		
Ethylbenzene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)				3	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	6	31.6	30.3 - 33.6	47	21.4	7.7 - 36.0	80.0	40.0
Malathion (µg/L)				3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	6	<0.5	<0.5	47	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				3	0.025	<0.0250		
Metribuzin (µg/L)				3	0.10	<0.100	80.00	
Microcystin total (µg/L)	1	<0.15	<0.15	4	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				3	0.40	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.00236	<0.0009 - 0.00326	24	0.00465	<0.0009 - 0.00465	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				3	<0.16	<0.16		
Pentachlorophenol (µg/L)				3	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				3	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				3	<2.0	<2.0	2.0	
Phorate (µg/L)				3	<0.250	<0.250		
Picloram (µg/L)				3	<0.50	<0.10 - <0.50		
Simazine (µg/L)				3	0.10	<0.100		
Terbufos (µg/L)				3	<0.50	<0.50		
Tetrachloroethylene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				3	<0.50	<0.50		
Toluene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)				3	0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				3	0.10	<0.10		
Trihalomethanes (µg/L)	6	36.5	30.7 - 40.0	47	24.4	5.1 - 50.8	100.0	50.0
Vinyl Chloride (µg/L)	6	<1.0	<1.0	47	1.06	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	6	<1.0	<1.0	47	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	116.0	109.0 - 124.0		
Aluminum (mg/L)				4	0.094	0.012 - 0.267	2.900 (0.100)	
Ammonia as NH3 (mg/L)	100	0.20	0.11 - 0.32	269	0.19	0.09 - 0.32		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	12	0.03	<0.03		
Calcium (mg/L)				4	50.3	47.7 - 54.7		
Chloride Dissolved (mg/L)	2	6.4	6.2 - 6.6	12	6.8	5.2 - 11.1	(250.0)	
Chlorine free (mg/L)				3	<0.07	<0.07		
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	0.005	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)				4	0.034	<0.005 - 0.110	(0.100)	
Lithium (mg/L)				4	0.0036	0.0029 - 0.0048		
Magnesium (mg/L)				4	14.9	13.6 - 16.0		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0007	0.0006 - 0.0007		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	100	0.89	0.74 - 1.02	266	0.89	0.46 - 1.04		
Phosphorus (mg/L)				4	1.03	0.94 - 1.18		
Potassium (mg/L)				4	0.9	0.7 - 1.1		
Silicon (mg/L)				4	2.26	1.97 - 2.47		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	13.6	7.0 - 20.8	(200.0)	
Strontium (mg/L)				4	0.463	0.424 - 0.484	7.000	
Sulphate Dissolved (mg/L)	2	78.7	78.2 - 79.1	12	74.1	63.1 - 81.6	(500.0)	
Sulphide (mg/L)				3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	175.3	173.0 - 179.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

August 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	6	1.3	1.1 - 1.4	47	1.1	0.6 - 1.7		
Bromoform (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Chloroform (µg/L)	6	35.2	29.5 - 38.6	47	23.2	4.4 - 49.0		
Dibromoacetic acid (µg/L)	6	<1.00	<1.00	47	<1.00	<1.00		
Dibromochloromethane (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	6	15.08	14.30 - 15.80	47	10.55	3.92 - 17.60		
Dichlorobenzene (1,3) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Methoxychlor (µg/L)				3	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	6	<1.0	<1.0	47	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0	(15.0)	
Monobromoacetic acid (µg/L)	6	<1.00	<1.00	47	<1.00	<1.00		
Monochloroacetic acid (µg/L)	6	1.13	<1.00 - 1.46	47	1.05	<1.00 - 1.46		
Styrene (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	100	2.0	1.8 - 2.5	252	2.0	0.9 - 2.6		
Total Volatile Organics (Non THM) (µg/L)	6	1.0	<1.0 - 1.2	41	1.4	<1.0 - 3.2		
Trichloroacetic acid (µg/L)	6	15.58	14.80 - 16.30	47	10.59	3.81 - 18.40		
Trichlorobenzene (1,2,4) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	6	<0.5	<0.5	47	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	6	<0.5	<0.5	47	0.54	<0.30 - 1.00		
Xylene (1,4) (µg/L)	6	<0.5	<0.5	47	0.55	<0.40 - 1.00		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	11	1.4	0.7 - 3.0	91	1.0	<0.5 - 3.0	(15.0)	10.0
pH	11	8	8	91	8	8		7 - 8
Turbidity (NTU)	11	0.73	0.05 - 2.60	91	0.55	<0.04 - 2.90	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	11	0.0005	<0.0005	91	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	11	0.0002	<0.0002	91	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	11	0.070	0.064 - 0.080	91	0.065	<0.002 - 0.105	2.000	
Boron (mg/L)	11	0.012	0.011 - 0.016	91	0.013	0.008 - 0.042	5.000	
Cadmium (mg/L)	11	<0.00002	<0.00002	91	0.00002	<0.00002	0.00700	
Chlorine total (mg/L)	11	1.61	1.35 - 1.89	91	1.74	1.18 - 2.14		1.00 - 2.40
Chromium (mg/L)	11	0.0002	<0.0002	91	<0.0002	<0.0002	0.0500	
Lead (mg/L)	11	0.0003	<0.0002 - 0.0006	91	0.0002	<0.0002 - 0.0018	0.0050	
Selenium (mg/L)	11	0.0003	0.0003	91	0.0003	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	11	0.0005	<0.0005	91	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	11	0.7	<0.5 - 1.0	91	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	11	35.5	29.8 - 42.1	91	25.3	5.4 - 50.5	100.0	50.0
Vinyl Chloride (µg/L)	11	0.95	<0.50 - 2.00	91	1.02	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	11	0.86	<0.50 - 1.00	91	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	11	1.5	1.1 - 2.0	91	1.2	<0.5 - 2.4		
Bromoform (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Chloroform (µg/L)	11	33.9	28.2 - 40.5	91	24.0	4.7 - 49.2		
Dibromochloromethane (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	11	6.3	<1.0 - 20.0	91	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	8	1.3	<1.0 - 1.7	70	1.4	<1.0 - 3.1		
Trichlorobenzene (1,2,4) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	11	0.5	<0.5 - 1.0	91	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	11	0.49	<0.30 - 1.00	91	0.52	<0.30 - 1.00		
Xylene (1,4) (µg/L)	11	0.52	<0.40 - 1.00	91	0.54	<0.40 - 1.00		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	11	0.140	0.027 - 0.815	91	0.121	0.006 - 1.390	2.900 (0.100)	
Beryllium (mg/L)	11	0.0002	<0.0002	91	<0.0002	<0.0002		
Calcium (mg/L)	11	48.1	46.7 - 50.3	91	48.0	0.3 - 56.7		
Calcium Hardness (mg/L CaCO3)				1	126.0	126.0		
Chlorine free (mg/L)				1	<0.07	<0.07		
Cobalt (mg/L)	11	0.0002	<0.0002	91	0.0002	<0.0002 - 0.0004		
Copper (mg/L)	11	0.005	<0.002 - 0.013	91	0.003	<0.002 - 0.013	2.000 (1.000)	
Iron (mg/L)	11	0.124	<0.005 - 0.333	91	0.085	<0.005 - 0.894	(0.100)	
Lithium (mg/L)	11	0.0039	0.0032 - 0.0043	91	0.0035	0.0003 - 0.0052		
Magnesium (mg/L)	11	14.0	13.5 - 14.7	91	14.1	<0.1 - 17.2		
Manganese (mg/L)	11	0.004	<0.002 - 0.008	91	0.003	<0.002 - 0.012	0.120 (0.020)	
Molybdenum (mg/L)	11	0.0007	0.0006 - 0.0009	91	0.0007	0.0005 - 0.0010		
Nickel (mg/L)	11	0.0005	<0.0005 - 0.0008	91	0.0006	<0.0005 - 0.0013		
Phosphorus (mg/L)	11	1.04	0.86 - 1.51	91	1.03	0.83 - 1.92		
Potassium (mg/L)	11	0.8	0.8 - 0.9	91	1.1	0.3 - 2.6		
Silicon (mg/L)	11	2.47	2.18 - 2.72	91	2.17	1.37 - 2.84		
Silver (mg/L)	11	<0.00002	<0.00002	91	0.00002	<0.00002		
Sodium (mg/L)	11	13.4	10.0 - 18.0	91	15.4	6.0 - 93.0	(200.0)	
Strontium (mg/L)	11	0.391	0.380 - 0.398	91	0.429	<0.002 - 0.495	7.000	
Thallium (mg/L)	11	0.0002	<0.0002	91	<0.0002	<0.0002		
Tin (mg/L)	11	0.0005	<0.0005	91	0.0005	<0.0005 - 0.0010		
Titanium (mg/L)	11	0.0005	<0.0005	91	0.0005	<0.0005 - 0.0006		
Total Hardness (mg/L CaCO3)	11	177.9	174.0 - 184.0	90	177.7	<2 - 211.0		
Vanadium (mg/L)	11	0.0005	<0.0005	91	0.0005	<0.0005		
Zinc (mg/L)	11	<0.005	<0.005	91	0.005	<0.005 - 0.013	(5.000)	
Zirconium (mg/L)	11	0.001	<0.001	91	0.001	<0.001		

2.2.8 Castledowns Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.8	1.8	4	1.1	0.5 - 1.8	(15.0)	10.0
Conductivity (µS/cm)	1	411.0	411.0	4	414.8	403.0 - 437.0		
pH	4	8	8	14	8	8		7 - 8
Turbidity (NTU)	4	0.05	<0.04 - 0.05	34	0.09	<0.04 - 0.17	(3.00)	1.00
Primary Organics								
Benzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	1.0	1.0	4	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	46.4	46.4	4	32.4	7.6 - 58.6	100.0	50.0
Vinyl Chloride (µg/L)	1	2.0	2.0	4	1.13	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<0.50 - <1.0	90.00 (20.00)	
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	0.0100	
Barium (mg/L)	1	0.069	0.069	4	0.065	0.055 - 0.069	2.000	
Boron (mg/L)	1	0.012	0.012	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	0.14	0.14	4	0.13	0.10 - 0.17	1.00	
Chlorine total (mg/L)	4	1.55	1.47 - 1.68	34	1.74	1.40 - 2.10		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	0.79	0.79	4	0.69	0.64 - 0.79	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.06	14	0.05	0.01 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	14	0.01	<0.01 - 0.01	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	

2.2.8 Castledowns Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	4	116.0	109.0 - 128.0		
Aluminum (mg/L)	1	0.042	0.042	4	0.046	0.016 - 0.077	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.16	0.15 - 0.18	34	0.14	0.09 - 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	48.4	48.4	4	49.1	46.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	1	121.0	121.0	4	122.8	117.0 - 135.0		
Chloride Dissolved (mg/L)	1	7.0	7.0	4	6.9	5.8 - 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	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	4	0.0032	0.0028 - 0.0036		
Magnesium (mg/L)	1	13.9	13.9	4	14.6	13.6 - 16.7		
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0008	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.80 - 0.92	34	0.90	0.80 - 0.96		
Phosphorus (mg/L)	1	1.01	1.01	4	0.99	0.97 - 1.01		
Potassium (mg/L)	1	0.8	0.8	4	1.1	0.8 - 1.5		
Silicon (mg/L)	1	2.46	2.46	4	2.25	1.96 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	16.7	16.7	4	15.5	7.7 - 23.3	(200.0)	
Strontium (mg/L)	1	0.384	0.384	4	0.427	0.384 - 0.466	7.000	
Sulphate Dissolved (mg/L)	1	82.4	82.4	4	82.2	74.7 - 92.2	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	178.0	178.0	4	182.8	174.0 - 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)	
Zirconium (mg/L)	1	<0.001	<0.001	4	<0.001	<0.001		

2.2.8 Castledowns Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.2	1.2	4	1.1	0.8 - 1.5		
Bromoform (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	44.8	44.8	4	31.1	6.8 - 57.1		
Dibromochloromethane (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	2.0	2.0	4	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	13	2.0	1.0 - 2.8		
Total Volatile Organics (Non THM) (µg/L)	1	1.9	1.9	3	1.4	<1.0 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	1.0	1.0	4	0.58	<0.30 - 1.00		
Xylene (1,4) (µg/L)	1	1.0	1.0	4	0.60	<0.40 - 1.00		

2.2.9 Clareview Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	1.1	0.8 - 1.4	(15.0)	10.0
Conductivity (µS/cm)				4	391.5	366.0 - 419.0		
pH	4	8	8	14	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.10 - 0.21	34	0.15	0.08 - 0.97	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.062	0.055 - 0.067	2.000	
Boron (mg/L)				4	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.23	0.1 - 0.32	1.00	
Chlorine total (mg/L)	4	1.50	1.45 - 1.56	34	1.78	1.45 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.69	0.65 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.06	14	0.05	0.02 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	14	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				4	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				4	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				4	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				4	<0.5	<0.5	10.0	
Toluene (µg/L)				4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				4	24.1	11.3 - 40.1	100.0	50.0
Vinyl Chloride (µg/L)				4	<1.0	<1.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

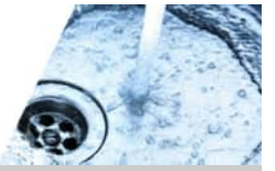
2.2.9 Clareview Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	114.5	109.0 - 123.0		
Aluminum (mg/L)				4	0.048	0.032 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.21	0.19 - 0.22	34	0.16	0.10 - 0.22		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	46.8	46.2 - 47.4		
Calcium Hardness (mg/L CaCO3)				4	116.8	115.0 - 118.0		
Chloride Dissolved (mg/L)				4	7.89	5.14 - 12.00	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	0.014	0.010 - 0.016	(0.100)	
Lithium (mg/L)				4	0.0034	0.0030 - 0.0038		
Magnesium (mg/L)				4	14.3	13.6 - 14.8		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0008	0.0006 - 0.0011		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.88 - 0.90	34	0.89	0.86 - 0.92		
Phosphorus (mg/L)				4	0.94	0.93 - 0.96		
Potassium (mg/L)				4	1.2	0.7 - 2.2		
Silicon (mg/L)				4	2.08	1.86 - 2.42		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	13.1	6.5 - 18.4	(200.0)	
Strontium (mg/L)				4	0.439	0.397 - 0.479	7.000	
Sulphate Dissolved (mg/L)				4	74.1	60.8 - 83.0	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	175.5	174.0 - 178.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.9 Clareview Reservoir

August 2025



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.4	0.9 - 1.6		
Bromoform (µg/L)				4	<0.5	<0.5		
Chloroform (µg/L)				4	22.7	9.6 - 38.6		
Dibromochloromethane (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				4	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	<0.5	<0.5	(15.0)	
Styrene (µg/L)				4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				4	<0.5	<0.5		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	13	1.9	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)				4	1.5	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)				4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				4	<0.5	<0.5		
Xylene (1,2) (µg/L)				4	<0.5	<0.5		
Xylene (1,4) (µg/L)				4	<0.5	<0.5		

2.2.10 Discovery Park Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	0.8	0.5 - 1.1	(15.0)	10.0
Conductivity (µS/cm)				4	396.0	371.0 - 419.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.15	34	0.20	0.07 - 0.65	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.061	0.056 - 0.067	2.000	
Boron (mg/L)				4	0.010	0.008 - 0.012	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.12	<0.1 - 0.14	1.00	
Chlorine total (mg/L)	4	1.20	1.00 - 1.67	34	1.35	1.00 - 1.87		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.66	0.62 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	14	0.05	0.02 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	14	<0.01	<0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				4	0.6	<0.5 - 1.0	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				1	20.4	20.4		
Methylene Chloride (Dichloromethane) (µg/L)				4	0.6	<0.5 - 1.0	50.0	
Nitrosodimethylamine, N- [NDMA] (µg/L)				1	0.00216	0.00216		
Tetrachloroethylene (µg/L)				4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				4	20.7	12.6 - 36.2	100.0	50.0
Vinyl Chloride (µg/L)				4	1.3	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	114.8	111.0 - 118.0		
Aluminum (mg/L)				4	0.095	0.066 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.21	0.17 - 0.25	34	0.17	0.12 - 0.25		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	46.9	46.2 - 47.8		
Calcium Hardness (mg/L CaCO3)				4	116.8	115.0 - 119.0		
Chloride Dissolved (mg/L)				4	6.47	5.70 - 7.53	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	0.007	0.005 - 0.008	(0.100)	
Lithium (mg/L)				4	0.0031	0.0030 - 0.0032		
Magnesium (mg/L)				4	14.5	13.9 - 15.0		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.84 - 0.94	34	0.91	0.47 - 0.98		
Phosphorus (mg/L)				4	0.99	0.95 - 1.04		
Potassium (mg/L)				4	0.9	0.7 - 1.0		
Silicon (mg/L)				4	1.96	1.78 - 2.11		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	11.2	6.7 - 17.1	(200.0)	
Strontium (mg/L)				4	0.449	0.413 - 0.480	7.000	
Sulphate Dissolved (mg/L)				4	71.4	61.7 - 83.3	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	177.0	174.0 - 181.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.10 Discovery Park Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.0	0.8 - 1.3		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	19.5	11.4 - 34.8		
Dibromoacetic acid (µg/L)				1	<1.00	<1.00		
Dibromochloromethane (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroacetic acid (µg/L)				1	10.50	10.50		
Dichlorobenzene (1,3) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	1.3	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	0.6	<0.5 - 1.0	(15.0)	
Monobromoacetic acid (µg/L)				1	<1.00	<1.00		
Monochloroacetic acid (µg/L)				1	<1.00	<1.00		
Styrene (µg/L)				4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.3	13	1.8	0.9 - 2.3		
Total Volatile Organics (Non THM) (µg/L)				4	1.7	<1.0 - 2.9		
Trichloroacetic acid (µg/L)				1	9.94	9.94		
Trichlorobenzene (1,2,4) (µg/L)				4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				4	0.6	<0.5 - 1.0		

2.2.11 Kaskitayo Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	1.2	<0.5 - 1.6	(15.0)	10.0
Conductivity (µS/cm)				4	402.0	375.0 - 416.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.04 - 0.13	34	0.11	0.04 - 0.37	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.063	0.057 - 0.068	2.000	
Boron (mg/L)				4	0.013	0.008 - 0.026	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.10	<0.1 - 0.12	1.00	
Chlorine total (mg/L)	4	1.72	1.62 - 1.83	34	1.89	1.62 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.67	0.65 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.05	14	0.04	0.01 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	14	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)				4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				4	21.7	7.7 - 45.7	100.0	50.0
Vinyl Chloride (µg/L)				4	1.3	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	114.8	113.0 - 116.0		
Aluminum (mg/L)				4	0.058	0.028 - 0.094	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.14	0.09 - 0.18	34	0.13	0.07 - 0.18		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				4	47.3	46.4 - 48.0		
Calcium Hardness (mg/L CaCO3)				4	118.0	116.0 - 120.0		
Chloride Dissolved (mg/L)				4	7.42	5.43 - 9.06	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	<0.005	<0.005	(0.100)	
Lithium (mg/L)				4	0.0033	0.0031 - 0.0035		
Magnesium (mg/L)				4	14.4	14.0 - 14.9		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	34	0.92	0.47 - 0.98		
Phosphorus (mg/L)				4	0.98	0.97 - 1.01		
Potassium (mg/L)				4	1.1	0.7 - 1.8		
Silicon (mg/L)				4	2.02	1.86 - 2.17		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	13.2	6.6 - 16.5	(200.0)	
Strontium (mg/L)				4	0.445	0.409 - 0.483	7.000	
Sulphate Dissolved (mg/L)				4	73.4	61.0 - 79.2	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	177.5	174.0 - 181.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.11 Kaskitayo Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.1	0.8 - 1.5		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	20.3	6.7 - 43.9		
Dibromochloromethane (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	1.3	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)				4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.1	1.9 - 2.2	13	1.9	0.9 - 2.3		
Total Volatile Organics (Non THM) (µg/L)				4	1.8	<1.0 - 2.8		
Trichlorobenzene (1,2,4) (µg/L)				4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				4	0.6	<0.5 - 1.0		

2.2.12 Londonderry Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	2.5	2.5	4	1.4	0.8 - 2.5	(15.0)	10.0
Conductivity (µS/cm)	1	396.0	396.0	4	402.8	396.0 - 412.0		
pH	4	8	8	14	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.06 - 0.17	34	0.13	0.05 - 1.08	(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	0.064	0.052 - 0.070	2.000	
Boron (mg/L)	1	0.012	0.012	4	0.011	0.009 - 0.012	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	0.26	0.26	4	0.24	0.20 - 0.29	1.00	
Chlorine total (mg/L)	4	1.64	1.51 - 1.75	34	1.83	1.45 - 2.04		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	0.80	0.80	4	0.73	0.68 - 0.80	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.05	14	0.04	0.02 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	14	0.01	<0.01 - 0.01	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	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	1.0	1.0	4	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	43.7	43.7	4	31.3	10.1 - 52.8	100.0	50.0
Vinyl Chloride (µg/L)	1	2.0	2.0	4	1.13	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.12 Londonderry Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	110.0	110.0	4	113.5	107.0 - 130.0		
Aluminum (mg/L)	1	0.057	0.057	4	0.066	0.017 - 0.112	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.19	0.16 - 0.21	34	0.15	0.11 - 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	48.5	45.9 - 53.3		
Calcium Hardness (mg/L CaCO3)	1	120.0	120.0	4	121.0	115.0 - 133.0		
Chloride Dissolved (mg/L)	1	6.2	6.2	4	6.7	5.1 - 8.7	(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	0.007	0.007	4	0.012	<0.005 - 0.030	(0.100)	
Lithium (mg/L)	1	0.0038	0.0038	4	0.0035	0.0033 - 0.0038		
Magnesium (mg/L)	1	14.1	14.1	4	14.7	14.0 - 16.7		
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	4	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.86 - 0.98	34	0.92	0.86 - 1.04		
Phosphorus (mg/L)	1	1.00	1.00	4	0.98	0.96 - 1.00		
Potassium (mg/L)	1	0.8	0.8	4	1.0	0.8 - 1.4		
Silicon (mg/L)	1	2.49	2.49	4	2.28	2.01 - 2.49		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	13.3	13.3	4	13.1	7.3 - 19.0	(200.0)	
Strontium (mg/L)	1	0.382	0.382	4	0.422	0.382 - 0.463	7.000	
Sulphate Dissolved (mg/L)	1	78.1	78.1	4	77.8	71.1 - 86.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	178.0	178.0	4	181.5	172.0 - 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)	
Zirconium (mg/L)	1	<0.001	<0.001	4	<0.001	<0.001		

2.2.12 Londonderry Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.7	1.7	4	1.3	0.8 - 1.7		
Bromoform (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	41.8	41.8	4	29.9	9.2 - 51.2		
Dibromochloromethane (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	2.0	2.0	4	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.8 - 2.1	13	2.0	1.2 - 2.9		
Total Volatile Organics (Non THM) (µg/L)	1	1.6	1.6	3	1.3	<1.0 - 1.6		
Trichlorobenzene (1,2,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	1.0	1.0	4	0.58	<0.30 - 1.00		
Xylene (1,4) (µg/L)	1	1.0	1.0	4	0.60	<0.40 - 1.00		

2.2.13 Millwoods Reservoir

August 2025

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	0.6 - 1.1	(15.0)	10.0
Conductivity (µS/cm)	1	412.0	412.0	4	411.0	398.0 - 433.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.05 - 0.12	34	0.11	0.05 - 0.46	(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	0.0100	
Barium (mg/L)	1	0.069	0.069	4	0.064	0.051 - 0.070	2.000	
Boron (mg/L)	1	0.012	0.012	4	0.010	0.009 - 0.012	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	0.18	0.18	4	0.17	0.12 - 0.23	1.00	
Chlorine total (mg/L)	4	1.73	1.68 - 1.79	34	1.91	1.68 - 2.10		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	0.67	0.62 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.06	14	0.04	0.01 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	14	0.01	<0.01 - 0.01	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)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	2	0.8	<0.5 - 1.0	5	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	2	22.8	<1.0 - 44.5	5	26.8	<1.0 - 63.7	100.0	50.0
Vinyl Chloride (µg/L)	2	1.5	<1.0 - 2.0	5	1.10	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	2	<1.0	<1.0	5	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.13 Millwoods Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	112.0	112.0	4	116.0	107.0 - 130.0		
Aluminum (mg/L)	1	0.047	0.047	4	0.046	0.020 - 0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.15	0.13 - 0.17	33	0.13	0.08 - 0.17		
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	48.1	48.1	4	49.3	46.9 - 53.5		
Calcium Hardness (mg/L CaCO3)	1	120.0	120.0	4	123.0	117.0 - 134.0		
Chloride Dissolved (mg/L)	1	6.8	6.8	4	6.5	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	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	4	0.0033	0.0029 - 0.0036		
Magnesium (mg/L)	1	14.2	14.2	4	14.9	14.2 - 16.6		
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.86 - 0.92	33	0.91	0.47 - 0.98		
Phosphorus (mg/L)	1	1.00	1.00	4	0.98	0.96 - 1.00		
Potassium (mg/L)	1	0.8	0.8	4	1.0	0.8 - 1.2		
Silicon (mg/L)	1	2.43	2.43	4	2.22	1.92 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	15.7	15.7	4	13.9	7.6 - 20.6	(200.0)	
Strontium (mg/L)	1	0.381	0.381	4	0.432	0.381 - 0.468	7.000	
Sulphate Dissolved (mg/L)	1	80.4	80.4	4	79.4	71.9 - 89.3	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	179.0	179.0	4	184.3	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)	
Zirconium (mg/L)	1	<0.001	<0.001	4	<0.001	<0.001		

2.2.13 Millwoods Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	2	1.0	<0.5 - 1.5	5	1.1	<0.5 - 1.9		
Bromoform (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Chloroform (µg/L)	2	21.7	<0.5 - 42.8	5	25.6	<0.5 - 61.8	(40.0)	
Dibromochloromethane (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	2	1.5	<1.0 - 2.0	5	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.8 - 2.1	13	2.0	1.1 - 2.8		
Total Volatile Organics (Non THM) (µg/L)	2	1.7	<1.0 - 2.3	4	1.4	<1.0 - 2.3		
Trichlorobenzene (1,2,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.56	<0.30 - 1.00		
Xylene (1,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.58	<0.40 - 1.00		

2.2.14 North Jasper Place Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	1.1	0.5 - 1.5	(15.0)	10.0
Conductivity (µS/cm)				4	401.0	378.0 - 419.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.06 - 0.11	33	0.09	0.06 - 0.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.062	0.057 - 0.067	2.000	
Boron (mg/L)				4	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.10	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	4	1.36	1.22 - 1.68	33	1.61	1.17 - 2.18		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.65	0.62 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	13	0.05	0.03 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	13	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)				4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				4	22.6	11.0 - 44.9	100.0	50.0
Vinyl Chloride (µg/L)				4	1.3	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	116.0	112.0 - 120.0		
Aluminum (mg/L)				4	0.051	0.025 - 0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.20	0.14 - 0.22	33	0.16	0.10 - 0.22		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	47.3	45.9 - 49.0		
Calcium Hardness (mg/L CaCO3)				4	118.0	115.0 - 122.0		
Chloride Dissolved (mg/L)				4	7.12	5.65 - 8.43	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)				4	0.0031	0.0029 - 0.0035		
Magnesium (mg/L)				4	14.3	13.5 - 15.2		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0008	0.0006 - 0.0009		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.92	33	0.92	0.90 - 0.96		
Phosphorus (mg/L)				4	0.96	0.94 - 0.98		
Potassium (mg/L)				4	1.0	0.7 - 1.5		
Silicon (mg/L)				4	2.04	1.73 - 2.31		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	13.4	6.6 - 18.9	(200.0)	
Strontium (mg/L)				4	0.436	0.399 - 0.467	7.000	
Sulphate Dissolved (mg/L)				4	75.8	61.5 - 87.7	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	177.0	172.0 - 185.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.14 North Jasper Place Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.2	0.8 - 1.6		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	21.3	10.1 - 43.1		
Dibromochloromethane (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	1.3	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)				4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	1.9	1.9 - 2.0	12	1.9	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)				4	1.8	<1.0 - 3.3		
Trichlorobenzene (1,2,4) (µg/L)				4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				4	0.6	<0.5 - 1.0		

2.2.15 Ormsby Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.2	1.2	4	1.0	0.7 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	416.0	416.0	4	418.3	397.0 - 442.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.04 - 0.08	34	0.09	<0.04 - 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	0.0100	
Barium (mg/L)	1	0.069	0.069	4	0.064	0.053 - 0.070	2.000	
Boron (mg/L)	1	0.012	0.012	4	0.012	0.009 - 0.015	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	0.10 - 0.16	1.00	
Chlorine total (mg/L)	4	1.56	1.49 - 1.70	34	1.83	1.49 - 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	0.68	0.68	4	0.66	0.64 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.06	14	0.04	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	14	0.01	<0.01 - 0.01	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	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	1.0	1.0	4	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	43.7	43.7	4	30.5	7.2 - 54.5	100.0	50.0
Vinyl Chloride (µg/L)	1	2.0	2.0	4	1.13	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.15 Ormsby Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	112.0	112.0	4	116.0	106.0 - 130.0		
Aluminum (mg/L)	1	0.044	0.044	4	0.046	0.020 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.16	0.14 - 0.18	34	0.13	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	47.7	47.7	4	48.7	46.4 - 52.6		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	4	121.5	116.0 - 131.0		
Chloride Dissolved (mg/L)	1	7.1	7.1	4	6.8	5.7 - 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	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	4	0.0032	0.0028 - 0.0035		
Magnesium (mg/L)	1	13.9	13.9	4	14.7	13.9 - 16.6		
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.80 - 0.98	34	0.91	0.47 - 0.98		
Phosphorus (mg/L)	1	1.00	1.00	4	0.98	0.97 - 1.00		
Potassium (mg/L)	1	0.8	0.8	4	1.0	0.8 - 1.4		
Silicon (mg/L)	1	2.43	2.43	4	2.20	1.92 - 2.43		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	17.3	17.3	4	15.3	7.7 - 22.7	(200.0)	
Strontium (mg/L)	1	0.381	0.381	4	0.429	0.381 - 0.473	7.000	
Sulphate Dissolved (mg/L)	1	82.5	82.5	4	81.3	71.7 - 92.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	4	182.5	174.0 - 200.0		
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)	
Zirconium (mg/L)	1	<0.001	<0.001	4	<0.001	<0.001		

2.2.15 Ormsby Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.2	1.2	4	1.0	0.6 - 1.5		
Bromoform (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	42.2	42.2	4	29.3	6.5 - 53.0	(40.0)	
Dibromochloromethane (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	2.0	2.0	4	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	13	2.0	1.0 - 2.7		
Total Volatile Organics (Non THM) (µg/L)	1	1.9	1.9	3	1.4	<1.0 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	1.0	1.0	4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	1.0	1.0	4	0.58	<0.30 - 1.00		
Xylene (1,4) (µg/L)	1	1.0	1.0	4	0.60	<0.40 - 1.00		

2.2.16 Papaschase Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.9	0.9	4	0.9	0.6 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	395.0	395.0	4	406.0	395.0 - 412.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.17	0.11 - 0.27	34	0.15	0.07 - 0.36	(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	0.063	0.055 - 0.069	2.000	
Boron (mg/L)	1	0.012	0.012	4	0.012	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	0.26	0.26	4	0.27	0.22 - 0.31	1.00	
Chlorine total (mg/L)	4	1.42	1.31 - 1.52	34	1.66	1.28 - 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	0.70	0.70	4	0.71	0.68 - 0.75	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	14	0.05	0.02 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	14	0.01	<0.01 - 0.01	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)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	2	0.8	<0.5 - 1.0	5	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	2	21.5	<1.0 - 42.0	5	25.3	<1.0 - 53.8	100.0	50.0
Vinyl Chloride (µg/L)	2	1.5	<1.0 - 2.0	5	1.10	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	2	<1.0	<1.0	5	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.16 Papaschase Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	108.0	108.0	4	112.8	105.0 - 130.0		
Aluminum (mg/L)	1	0.071	0.071	4	0.052	0.018 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.22	0.21 - 0.22	33	0.17	0.12 - 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	47.2	47.2	4	48.2	45.7 - 52.8		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	4	120.3	114.0 - 132.0		
Chloride Dissolved (mg/L)	1	6.3	6.3	4	7.0	5.1 - 9.9	(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	0.025	0.025	4	0.016	0.010 - 0.025	(0.100)	
Lithium (mg/L)	1	0.0038	0.0038	4	0.0036	0.0033 - 0.0038		
Magnesium (mg/L)	1	13.8	13.8	4	14.5	13.6 - 16.3		
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.88 - 0.92	33	0.88	0.45 - 0.94		
Phosphorus (mg/L)	1	0.98	0.98	4	0.95	0.94 - 0.98		
Potassium (mg/L)	1	0.8	0.8	4	1.1	0.8 - 1.7		
Silicon (mg/L)	1	2.54	2.54	4	2.28	2.05 - 2.54		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	13.3	13.3	4	13.3	7.3 - 18.1	(200.0)	
Strontium (mg/L)	1	0.382	0.382	4	0.428	0.382 - 0.468	7.000	
Sulphate Dissolved (mg/L)	1	77.4	77.4	4	78.0	69.3 - 86.5	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	175.0	175.0	4	179.8	170.0 - 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)	
Zirconium (mg/L)	1	<0.001	<0.001	4	<0.001	<0.001		

2.2.16 Papaschase Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	2	0.9	<0.5 - 1.2	5	1.1	<0.5 - 1.4		
Bromoform (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Chloroform (µg/L)	2	20.5	<0.5 - 40.5	5	24.1	<0.5 - 52.4	(40.0)	
Dibromochloromethane (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	2	1.5	<1.0 - 2.0	5	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.1	13	2.0	1.3 - 2.7		
Total Volatile Organics (Non THM) (µg/L)	2	1.5	<1.0 - 1.9	4	1.3	<1.0 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	2	0.8	<0.5 - 1.0	5	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	2	0.8	<0.5 - 1.0	5	0.56	<0.30 - 1.00		
Xylene (1,4) (µg/L)	2	0.8	<0.5 - 1.0	5	0.58	<0.40 - 1.00		

2.2.17 Papaschase Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	0.9	<0.5 - 1.4	(15.0)	10.0
Conductivity (µS/cm)				4	397.5	371.0 - 424.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.06 - 0.13	34	0.11	0.06 - 0.26	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.063	0.057 - 0.067	2.000	
Boron (mg/L)				4	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.26	0.1 - 0.33	1.00	
Chlorine total (mg/L)	4	1.64	1.54 - 1.70	34	1.86	1.54 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.70	0.66 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.04	0.02 - 0.06	14	0.05	0.02 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	14	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)				4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				4	24.6	10.1 - 45.5	100.0	50.0
Vinyl Chloride (µg/L)				4	1.3	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	113.8	110.0 - 118.0		
Aluminum (mg/L)				4	0.057	0.031 - 0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.20	0.18 - 0.24	34	0.15	0.10 - 0.24		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	46.8	46.3 - 47.8		
Calcium Hardness (mg/L CaCO3)				4	117.0	116.0 - 119.0		
Chloride Dissolved (mg/L)				4	7.49	4.96 - 10.90	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	<0.005	<0.005	(0.100)	
Lithium (mg/L)				4	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)				4	14.5	13.9 - 14.9		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0008	0.0006 - 0.0009		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.94	34	0.89	0.45 - 0.96		
Phosphorus (mg/L)				4	0.94	0.93 - 0.94		
Potassium (mg/L)				4	1.1	0.7 - 1.9		
Silicon (mg/L)				4	2.05	1.89 - 2.31		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	12.2	6.3 - 16.9	(200.0)	
Strontium (mg/L)				4	0.442	0.403 - 0.483	7.000	
Sulphate Dissolved (mg/L)				4	72.4	60.1 - 82.1	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	176.3	173.0 - 180.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.17 Papaschase Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.3	0.9 - 1.8		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	23.1	9.0 - 43.5		
Dibromochloromethane (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	1.3	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)				4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.1	1.9 - 2.3	13	1.9	0.9 - 2.4		
Total Volatile Organics (Non THM) (µg/L)				4	1.8	<1.0 - 3.0		
Trichlorobenzene (1,2,4) (µg/L)				4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				4	0.6	<0.5 - 1.0		

2.2.18 Rosslyn Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.4	1.4	3	1.3	1.1 - 1.4	(15.0)	10.0
Conductivity (µS/cm)	1	401.0	401.0	3	408.3	398.0 - 426.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.18	0.08 - 0.38	32	0.12	<0.04 - 0.38	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.070	0.070	3	0.064	0.052 - 0.070	2.000	
Boron (mg/L)	1	0.012	0.012	3	0.011	0.010 - 0.012	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.21	0.21	3	0.22	0.20 - 0.24	1.00	
Chlorine total (mg/L)	4	1.46	1.36 - 1.55	32	1.73	1.29 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.77	0.77	3	0.71	0.63 - 0.77	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	13	0.04	0.02 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	13	<0.01	<0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	3	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	1.0	1.0	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	44.7	44.7	3	37.7	9.5 - 58.8	100.0	50.0
Vinyl Chloride (µg/L)	1	2.0	2.0	3	1.17	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.18 Rosslyn Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	110.0	110.0	3	107.7	106.0 - 110.0		
Aluminum (mg/L)	1	0.060	0.060	3	0.040	0.017 - 0.060	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.21	0.20 - 0.21	32	0.16	0.10 - 0.21		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	47.7	47.7	3	46.4	45.5 - 47.7		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	3	116.0	114.0 - 119.0		
Chloride Dissolved (mg/L)	1	6.6	6.6	3	7.3	6.6 - 8.4	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	0.002	0.002	3	0.002	<0.002 - 0.002	2.000 (1.000)	
Iron (mg/L)	1	0.016	0.016	3	0.010	<0.005 - 0.016	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	3	0.0033	0.0030 - 0.0036		
Magnesium (mg/L)	1	14.1	14.1	3	14.0	13.7 - 14.3		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0006 - 0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	32	0.91	0.74 - 0.94		
Phosphorus (mg/L)	1	0.99	0.99	3	0.96	0.94 - 0.99		
Potassium (mg/L)	1	0.8	0.8	3	1.1	0.8 - 1.4		
Silicon (mg/L)	1	2.51	2.51	3	2.20	1.92 - 2.51		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	15.0	15.0	3	16.7	13.1 - 22.1	(200.0)	
Strontium (mg/L)	1	0.383	0.383	3	0.406	0.383 - 0.449	7.000	
Sulphate Dissolved (mg/L)	1	79.5	79.5	3	82.5	76.3 - 91.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	3	173.3	171.0 - 177.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.18 Rosslyn Reservoir 1

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.5	1.5	3	1.5	1.1 - 1.8		
Bromoform (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Chloroform (µg/L)	1	42.9	42.9	3	36.1	8.4 - 57.0		
Dibromochloromethane (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	2.0	2.0	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.2	12	2.1	1.2 - 3.2		
Total Volatile Organics (Non THM) (µg/L)	1	1.9	1.9	2	1.6	1.2 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	1.0	1.0	3	0.7	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	1.0	1.0	3	0.60	<0.30 - 1.00		
Xylene (1,4) (µg/L)	1	1.0	1.0	3	0.63	<0.40 - 1.00		

2.2.19 Rosslyn Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				5	0.9	0.7 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				5	403.4	385.0 - 423.0		
pH	4	8	8	15	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.08 - 0.13	34	0.11	0.07 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				5	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				5	<0.0002	<0.0002	0.0100	
Barium (mg/L)				5	0.062	0.058 - 0.067	2.000	
Boron (mg/L)				5	0.011	0.008 - 0.020	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.21	0.1 - 0.27	1.00	
Chlorine total (mg/L)	4	1.25	1.22 - 1.28	34	1.60	1.22 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)				5	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				6	0.67	0.64 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				5	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.04 - 0.06	15	0.05	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	15	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0003	0.0003	0.0500	
Uranium (mg/L)				5	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				5	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				5	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				5	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				5	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				5	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				5	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				5	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)				5	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				5	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				5	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				5	20.0	10.4 - 41.1	100.0	50.0
Vinyl Chloride (µg/L)				5	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				5	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	117.4	110.0 - 128.0		
Aluminum (mg/L)				5	0.059	0.034 - 0.085	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.24	0.22 - 0.25	34	0.17	0.11 - 0.25		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.05	<0.03 - <0.05		
Calcium (mg/L)				5	48.4	46.3 - 51.7		
Calcium Hardness (mg/L CaCO3)				5	121.0	116.0 - 129.0		
Chloride Dissolved (mg/L)				5	7.24	5.40 - 11.00	(250.00)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	0.002	<0.002 - 0.002	2.000 (1.000)	
Iron (mg/L)				5	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)				5	0.0034	0.0031 - 0.0038		
Magnesium (mg/L)				5	14.9	13.8 - 16.3		
Manganese (mg/L)				5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				5	0.0007	0.0006 - 0.0008		
Nickel (mg/L)				5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.96	34	0.91	0.78 - 0.96		
Phosphorus (mg/L)				5	0.96	0.95 - 0.96		
Potassium (mg/L)				5	1.0	0.7 - 1.6		
Silicon (mg/L)				5	2.06	1.76 - 2.26		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	11.6	6.7 - 16.7	(200.0)	
Strontium (mg/L)				5	0.451	0.409 - 0.478	7.000	
Sulphate Dissolved (mg/L)				5	74.0	61.3 - 87.5	(500.0)	
Thallium (mg/L)				5	<0.0002	<0.0002		
Tin (mg/L)				5	<0.0005	<0.0005		
Titanium (mg/L)				5	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				5	182.2	174.0 - 196.0		
Vanadium (mg/L)				5	<0.0005	<0.0005		
Zinc (mg/L)				5	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				5	<0.001	<0.001		

2.2.19 Rosslyn Reservoir 2

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				5	1.2	<0.5 - 1.7		
Bromoform (µg/L)				5	0.6	<0.5 - 1.0		
Chloroform (µg/L)				5	18.8	9.5 - 39.2		
Dibromochloromethane (µg/L)				5	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				5	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				5	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				5	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				5	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				5	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				5	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)				5	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				5	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.1	1.9 - 2.4	14	1.9	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)				5	1.7	<1.0 - 2.9		
Trichlorobenzene (1,2,4) (µg/L)				5	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				5	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				5	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				5	0.6	<0.5 - 1.0		

2.2.20 Thorncliff Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	1.0	0.6 - 1.3	(15.0)	10.0
Conductivity (µS/cm)				4	403.0	377.0 - 423.0		
pH	4	8	8	13	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.04 - 0.22	34	0.20	0.04 - 1.74	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.062	0.057 - 0.068	2.000	
Boron (mg/L)				4	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.11	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	4	1.26	1.21 - 1.31	34	1.63	1.21 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.64	0.63 - 0.66	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)								
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.04 - 0.06	14	0.05	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	14	<0.01	<0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				4	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)				4	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				4	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				4	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)				4	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				4	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				4	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				4	20.9	9.6 - 41.1	100.0	50.0
Vinyl Chloride (µg/L)				4	1.3	<1.0 - 2.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	114.8	109.0 - 118.0		
Aluminum (mg/L)				4	0.054	0.031 - 0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.21	0.16 - 0.24	34	0.16	0.09 - 0.24		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	47.1	45.1 - 48.9		
Calcium Hardness (mg/L CaCO3)				4	117.5	113.0 - 122.0		
Chloride Dissolved (mg/L)				4	7.06	5.65 - 8.21	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	<0.005	<0.005	(0.100)	
Lithium (mg/L)				4	0.0031	0.0029 - 0.0035		
Magnesium (mg/L)				4	14.4	13.8 - 15.2		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0008	0.0006 - 0.0009		
Nickel (mg/L)				4	0.0006	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.94	34	0.93	0.47 - 1.12		
Phosphorus (mg/L)				4	0.96	0.94 - 0.97		
Potassium (mg/L)				4	1.1	0.7 - 1.6		
Silicon (mg/L)				4	2.01	1.80 - 2.21		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	13.3	6.6 - 18.5	(200.0)	
Strontium (mg/L)				4	0.442	0.408 - 0.475	7.000	
Sulphate Dissolved (mg/L)				4	75.5	61.6 - 86.8	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	177.0	169.0 - 185.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.20 Thorncliff Reservoir

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.1	0.7 - 1.5		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	19.7	8.7 - 39.4		
Dibromochloromethane (µg/L)				4	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	1.3	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)				4	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				4	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	4	2.0	1.9 - 2.3	13	1.9	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)				4	1.7	<1.0 - 2.7		
Trichlorobenzene (1,2,4) (µg/L)				4	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				4	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)				4	0.6	<0.5 - 1.0		

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	35	814.0	108.1 - 3744.0	281	682.3	21.3 - 10950.0
Cryptosporidium (oocysts/100L)	2	42.7	<79.0 - 79.0	16	7.6	<1 - 7.6
E. coli (MPN/100 mL)	35	35.0	2.0 - 220.0	281	41.6	1.0 - 3328.0
Giardia (cysts/100L)	2	58.5	38.0 - 79.0	16	79.0	<1.64 - 150.0
Physical						
Colour (TCU)	62	14.5	8.6 - 20.3	486	12.7	2.4 - 52.4
Conductivity (µS/cm)	8	350.6	335.0 - 377.0	68	356.0	313.0 - 412.0
pH	2	8	8	14	8	8 - 9
Total Dissolved Solids (mg/L)	2	274.00	217.00 - 331.00	16	210.88	178 - 331.00
Total Suspended Solids (mg/L)	2	16.0	11.9 - 20.0	16	13.2	<1.0 - 55.2
Turbidity (NTU)	62	20.69	2.04 - 275.00	486	15.45	1.04 - 275.00
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Arsenic (mg/L)	2	0.0006	0.0005 - 0.0007	16	0.0005	<0.0002 - 0.0009
Arsenic dissolved (mg/L)	2	0.0003	0.0003	16	0.0003	<0.0002 - 0.0004
Barium (mg/L)	2	0.076	0.070 - 0.081	16	0.071	0.056 - 0.094
Barium dissolved (mg/L)	2	0.069	0.068 - 0.069	16	0.064	0.055 - 0.071
Boron (mg/L)	2	0.014	0.013 - 0.014	16	0.011	0.008 - 0.015
Boron dissolved (mg/L)	2	0.013	0.013	16	0.010	0.009 - 0.013
Bromate Dissolved (mg/L)	8	<0.005	<0.005	68	0.005	<0.003 - 0.005
Cadmium (mg/L)	2	<0.00002	<0.00002	16	0.00002	<0.00002 - 0.00003
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	16	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	68	<0.1	<0.01 - <0.1
Chlorine total (mg/L)	2	<0.03	<0.03	14	0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	68	<0.2	<0.005 - <0.2
Chromium (mg/L)	2	0.0011	0.0007 - 0.0015	16	0.0007	<0.0002 - 0.0026
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Cyanide (mg/L)				6	<0.002	<0.002
Fluoride (mg/L)	8	0.12	0.12 - 0.13	68	0.11	0.09 - 0.14
Lead (mg/L)	2	0.0004	0.0002 - 0.0005	16	0.0003	<0.0002 - 0.0009
Lead dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Mercury (µg/L)				6	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Mercury dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.03	<0.01 - 0.06	66	0.06	<0.01 - 0.19
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	66	0.01	<0.01
Selenium (mg/L)	2	0.0003	0.0003	16	0.0003	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	0.0003	0.0003	16	0.0003	0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	<0.0005 - 0.0006	16	0.0005	<0.0005 - 0.0006
Uranium dissolved (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)				6	<0.250	<0.050 - <0.250
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				6	<0.250	<0.050 - <0.250
Atrazine + metabolites (µg/L)				6	<0.10	<0.10
Benzene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)				6	<0.005	<0.005
Bromoxynil (µg/L)				6	<0.250	<0.050 - <0.250
Carbon Tetrachloride (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)				6	<0.10	<0.10
Cyanazine (µg/L)				6	<0.100	<0.100
Diazinon (µg/L)				6	<0.0250	<0.0250
Dicamba (µg/L)				6	<0.50	<0.10 - <0.50
Dichlorobenzene (1,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichlorobenzene (1,4) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)				6	<0.20	<0.20
Diclofop-methyl (µg/L)				6	<0.100	<0.100
Dimethoate (µg/L)				6	<0.050	<0.050
Diquat (µg/L)				6	<1.0	<1.0
Diuron (µg/L)				6	<0.050	<0.050
Ethylbenzene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Glyphosate (µg/L)				6	<1.00	<0.20 - <1.00
Malathion (µg/L)				6	<0.0250	<0.0250
Methylene Chloride (Dichloromethane) (µg/L)	62	0.5	<0.5 - 1.0	486	<1.00	<0.5 - <1.00
Metolachlor (µg/L)				6	<0.0250	<0.0250
Metribuzin (µg/L)				6	<0.100	<0.100
Microcystin total (µg/L)				6	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)				6	<0.4	<0.4
Omethoate (as dimethoate) (µg/L)				6	<0.16	<0.16
Pentachlorophenol (µg/L)				6	<0.50	<0.50
Phorate (µg/L)				6	<0.250	<0.250
Picloram (µg/L)				6	<0.50	<0.10 - <0.50
Simazine (µg/L)				6	<0.100	<0.100
Terbufos (µg/L)				6	<0.50	<0.50
Tetrachloroethylene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Tetrachlorophenol (2,3,4,6) (µg/L)				6	<0.50	<0.50
Toluene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)				6	<0.20	<0.20
Trifluralin (µg/L)				6	<0.10	<0.10
Trihalomethanes (µg/L)	62	<1.0	<1.0	486	<1.0	<1.0
Vinyl Chloride (µg/L)	62	0.95	<0.50 - 1.00	486	<1.0	<0.50 - <1.0
Xylenes total (µg/L)	62	0.95	<0.50 - 1.00	486	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Cesium-137 (Bq/L)				2	<0.2	<0.1 - <0.2
Gross Alpha (Bq/L)				2	<0.47	<0.12 - <0.47
Gross Beta (Bq/L)				2	0.39	<0.08 - 0.70
Iodine-131 (Bq/L)				2	<0.4	<0.4
Lead-210 (Bq/L)				2	<0.04	<0.02 - <0.04
Radium-226 (Bq/L)				2	0.018	<0.005 - 0.030
Strontium-90 (Bq/L)				2	<0.1	<0.05 - <0.1
Tritium (Bq/L)				2	<40	<40
Secondary Organics						
Bromodichloromethane (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Bromoform (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Chloroform (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	62	2.8	<1.0 - 20.0	486	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Styrene (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	3.5	2.9 - 4.1	68	3.1	0.9 - 9.2
Total Volatile Organics (Non THM) (µg/L)	56	1.1	<1.0 - 2.0	426	1.3	<1.0 - 3.8
Trichlorobenzene (1,2,4) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	62	<0.50	<0.5	486	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	62	0.48	<0.30 - 0.50	486	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	62	0.49	<0.40 - 0.50	486	<0.5	<0.40 - <0.5

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)	2	<3	<3	14	<3	<3
Alkalinity total (mg CaCO3/L)	8	128.6	120.0 - 131.0	68	127.2	109.0 - 174.0
Aluminum (mg/L)	2	0.761	0.501 - 1.020	16	0.489	0.078 - 1.630
Ammonia as NH3 (mg/L)	28	<0.05	<0.05	276	0.05	<0.01 - 0.12
Beryllium (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Bromide Dissolved (mg/L)	8	<0.03	<0.03	68	<0.05	<0.03 - <0.05
Calcium (mg/L)	2	45.7	44.7 - 46.6	16	47.7	43.9 - 54.5
Calcium Hardness (mg/L CaCO3)	8	111.5	108.0 - 116.0	68	115.3	98.0 - 136.0
Chloride Dissolved (mg/L)	8	0.7	0.5 - 1.1	68	1.55	0.50 - 6.74
Chlorine free (mg/L)	2	<0.07	<0.07	14	0.07	<0.07
Cobalt (mg/L)	2	0.0003	<0.0002 - 0.0004	16	0.0003	<0.0002 - 0.0007
Copper (mg/L)	2	0.003	0.002 - 0.004	16	0.003	<0.002 - 0.006
Iron (mg/L)	2	0.596	0.330 - 0.861	16	0.458	0.063 - 1.570
Lanthanum (mg/L)	2	<0.001	<0.001	16	0.001	<0.001
Lithium (mg/L)	2	0.0048	0.0046 - 0.0049	16	0.0041	0.0030 - 0.0054
Magnesium (mg/L)	2	14.4	13.9 - 14.8	16	14.7	13.5 - 17.3
Manganese (mg/L)	2	0.016	0.008 - 0.023	16	0.013	<0.002 - 0.041
Molybdenum (mg/L)	2	0.0009	0.0008 - 0.0009	16	0.0007	0.0005 - 0.0010
Nickel (mg/L)	2	0.0014	0.0010 - 0.0018	16	0.0012	<0.0005 - 0.0027
Nitrogen Total Kjeldahl (TKN) (mg/L N)	2	2.3	0.3 - 4.3	107	0.2	<0.1 - 4.3
Nitrogen Total Kjeldahl (TKN) (mg/L)				4	0.11	<0.07 - 0.15
Phosphate Ortho (as P) (mg/L as P)	2	0.03	<0.02 - 0.04	14	0.02	<0.02 - 0.04
Phosphorus (mg/L)	2	0.03	0.02 - 0.04	16	0.03	<0.02 - 0.07
Potassium (mg/L)	2	1.0	0.9 - 1.1	16	1.1	0.6 - 1.9
Silicon (mg/L)	2	4.01	3.23 - 4.79	16	2.97	1.66 - 5.54
Silver (mg/L)	2	<0.00002	<0.00002	16	0.00002	<0.00002 - 0.00003
Sodium (mg/L)	2	4.4	4.3 - 4.4	16	4.8	2.8 - 8.7
Strontium (mg/L)	2	0.381	0.375 - 0.386	16	0.439	0.375 - 0.485
Sulphate Dissolved (mg/L)	8	49.5	46.8 - 51.9	68	55.0	40.0 - 70.3
Sulphide (mg/L)				6	<0.0015	<0.0015
Thallium (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Tin (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Titanium (mg/L)	2	0.0157	0.0083 - 0.0231	16	0.0101	0.0013 - 0.0323
Total Hardness (mg/L CaCO3)	8	170.0	164.0 - 177.0	68	173.6	146.0 - 202.0
Vanadium (mg/L)	2	0.0022	0.0015 - 0.0028	16	0.0014	<0.0005 - 0.0044
Zinc (mg/L)	2	<0.005	<0.005	16	0.005	<0.005 - 0.008
Zirconium (mg/L)	2	<0.001	<0.001	16	0.001	<0.001 - 0.002

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

August 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.038	<0.005 - 0.071	16	0.025	<0.005 - 0.090
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Calcium dissolved (mg/L)	2	47.8	47.7 - 47.8	16	47.5	42.8 - 55.6
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Copper dissolved (mg/L)	2	0.003	<0.002 - 0.003	16	0.003	<0.002 - 0.005
Iron dissolved (mg/L)	2	0.006	0.005 - 0.006	16	0.009	<0.005 - 0.022
Lanthanum Dissolved (mg/L)	2	<0.001	<0.001	16	0.001	<0.001
Lithium dissolved (mg/L)	2	0.0045	0.0045	16	0.0038	0.0028 - 0.0045
Magnesium dissolved (mg/L)	2	14.2	14.1 - 14.2	16	14.6	13.1 - 17.2
Manganese dissolved (mg/L)	2	<0.002	<0.002	16	0.002	<0.002 - 0.005
Molybdenum dissolved (mg/L)	2	0.0008	0.0008	16	0.0007	0.0005 - 0.0010
Nickel dissolved (mg/L)	2	0.0006	0.0006	16	0.0007	<0.0005 - 0.0021
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	16	<0.02	<0.02
Potassium dissolved (mg/L)	2	0.8	0.8	16	1.0	0.6 - 1.9
Silicon dissolved (mg/L)	2	2.64	2.62 - 2.66	16	2.12	1.42 - 2.66
Silver dissolved (mg/L)	2	<0.00002	<0.00002	16	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	4.3	4.2 - 4.4	16	4.9	2.8 - 8.7
Strontium dissolved (mg/L)	2	0.380	0.378 - 0.381	16	0.435	0.378 - 0.484
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Tin dissolved (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	16	0.005	<0.005 - 0.005
Zirconium dissolved (mg/L)	2	<0.001	<0.001	16	0.001	<0.001