EDMONTON WATERWORKS MONTHLY REPORT

November 2025

PROVIDING MORE

TABLE OF CONTENTS

1.0 OPERATIONS AND MAINTENANCE

1.1 HIGHLIGHTS

1.1.1 Operations, Rossdale & E.L. Smith Plants
1.1.2 Edmonton Incident Report Summary
1.1.3 Alberta Environmental Protection Operator Licenses

1.2 OPERATIONS SUMMARY

1.2.1 Raw Water Intake Report
1.2.2 Treated Water Production Report
1.2.3 Raw Water Quality – North Saskatchewan River Report
1.2.4 Treated Water Quality Entering the Distribution System Report
1.2.5 Rossdale Filters1 – 9 Particle Counts Report
1.2.6 E.L. Smith Filters 1 – 9 Particle Counts Report
1.2.7 E.L. Smith Filters 10 – 18 Particle Counts Report
1.2.8 Rossdale Filters 1 – 9 Turbidity Report
1.2.9 E.L. Smith Filters 1 – 9 Turbidity Report
1.2.10 E.L. Smith Filters 10 – 18 Turbidity Report
1.2.11 Combined Filter Effluent Water Quality Report
1.2.12 Rossdale UV Disinfection – Filters 1 – 3 Report
1.2.13 Rossdale UV Disinfection – Filters 4 – 6 Report
1.2.14 Rossdale UV Disinfection – Filters 7 – 9 Report
1.2.15 E.L. Smith UV Disinfection – UV Reactors 1 – 4 Report
1.2.16 Log Removal Report
1.2.17 Liquid Alum Chemical Consumption Report
1.2.18 Primary Polymer (Magnafloc LT 27AG) Chemical Consumption Report
1.2.19 Carbon Chemical Consumption Report
1.2.20 Sodium Hypochlorite Chemical Consumption Report
1.2.21 Filter Polymer (Magnafloc LT 7981) Chemical Consumption Report
1.2.22 Aqua Ammonia Chemical Consumption Report
1.2.22-1 LAS Ammonia Chemical Consumption Report
1.2.23 Caustic Soda Chemical Consumption Report
1.2.24 Fluoride Chemical Consumption Report
1.2.25 Sodium Bisulfite (SBS) Chemical Consumption Report
1.2.26 Rossdale Waste Stream Data Report
1.2.27 E.L. Smith Waste Stream Data Report
1.2.28 Demand/Production Statistics (Estimated HLP Flow)
1.2.29 Reservoir Chlorine Residual (mg/L) Part 1
1.2.30 Reservoir Chlorine Residual (mg/L) Part 2
1.2.31 Orthophosphate (Phosphoric Acid) Chemical Consumption Report
1.2.32 Summary of Mainbreaks Report

2.0 WATER QUALITY

2.1 HIGHLIGHTS

2.1.1 Summary of Major Chemical, Microbiological and Physical Parameters
2.1.3 Explanation of Notations Used
2.1.4 Notes on Water Quality

2.2 SUMMARY OF ANALYSES PERFORMED

2.2.1 Bacteriological Data: Water Treatment Plants
2.2.2 Bacteriological Data: Distribution System
2.2.3 Protozoa Data
2.2.4 Treated Water Entering the Distribution System
2.2.5 Treated Water Entering the Plant Reservoir
2.2.6 Routine Distribution System
2.2.7 Water Quality Complaint Investigations
2.2.8 Castledowns Reservoir
2.2.9 Clareview Reservoir
2.2.10 Discovery Park Reservoir
2.2.11 Kaskitayo Reservoir
2.2.12 Londonderry Reservoir
2.2.13 Millwoods Reservoir
2.2.14 North Jasper Place Reservoir
2.2.15 Ormsby Reservoir
2.2.16 Papaschase 1 Reservoir
2.2.17 Papaschase 2 Reservoir
2.2.18 Rosslyn 1 Reservoir
2.2.19 Rosslyn 2 Reservoir
2.2.20 Thorncliff Reservoir
2.2.21 Raw River Water

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 November, Rossdale Plant had 0 planned shutdown and 2 bypasses.

Date	Type	Bypass Description
November 5	Unplanned	0.88-hour shutdown due to power failure
November 15	Unplanned	0.77-hour shutdown due to power failure

In November, E.L. Smith Plant had 0 planned shutdown and no bypasses.

Date	Type	Bypass Description

Clarifier Blowdown Volume

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

Dechlorination Highlights

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

Monthly Highlights

- On November 1st, the Rossdale Water Treatment Plant UV Reactor 9 experienced operational issues during startup. This resulted in several brief periods, each less than 30 seconds, where filtered water received a low UV dose over a five-hour timeframe. The UV reactor continued to run because these short periods did not meet the threshold that would trigger an automatic filter shutdown.

Chemical Dosing Highlights

In November, 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 – November 2025

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20251128-385428	Through regular testing of our drinking water systems, there was a detection of Crypto oocyst in a Rossdale water treatment plant reservoir effluent sample from November 24, 2025. A new sample was taken at Rossdale on Friday November 28, and the result of that sample also detected a single crypto oocyst in 1000L sample in the same location of the WTP reservoir effluent. Test results were reported to Alberta Environment and Protected Areas on Friday, November 28 at 14:20 hrs. Note that both these values are below our trigger (>10/1000L) for converting back to conventional treatment. There is no approval limit for these values. Further subsequent sampling and results did not find any detection for Crypto oocysts in the reservoir or treated water.	November 28, 2025	448099

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
Operator Foreman	WT III
Operator Foreman	WT III
Water Operator	WT III
Water Operator	WT III
Lead Operator	WT III
Lead Operator	WT III
Water Operator	WT III, WD II
Water Operator	WT III
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
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 II, WD I, WWT II, WWC I
Water Operator	Non-certified
Water Operator	Non-certified

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)
WATER DISTRIBUTION (WD) - 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 II
Equipment Operator III	WD II
Labourer II	WD II
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer III	WD III
Labourer II	WD I
Labourer III	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)
WATER DISTRIBUTION (WD) - NETWORK MAINTENANCE

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

Title	Alberta Environment Certification Level
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 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
Labourer II	WD I
Foreman III	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)
WATER DISTRIBUTION (WD) - CUSTOMER SERVICE

Senior Manager, Customer Service	
Manager, Dispatch	
Manager, Inspections and Customer Service	WD II
Title	Alberta Environment Certification Level
Team Lead, Dispatch	
Dispatcher Coordinator	WD I
Dispatcher Coordinator	WD I WWC I WT I WWT I
Inspector – Water Metering	WD II
Inspector – Water Metering	WD I
Manager, Cross Connections	WD II
Inspector – Cross Connections	WD I

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)
WATER METERING (WD)

Manager, Metering Operations	**WD I**
Title	Alberta Environment Certification Level
Foreman III	WD II
Meter Installer I	WD I
Meter Installer I	WD I
Meter Installer II	WD III
Meter Installer I	WD I WWC I
Meter Installer I	WD III
Meter Installer I	WD I

Meter Installer I	WD II
Meter Mechanic II	WD II
Meter Installer II	WD I
Meter Installer I	WD I
Meter Installer I	WD I

1.2.1 Raw Water Intake (ML)

November 2025

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	95	94	189	281	470
2	92	92	184	273	456
3	90	90	180	261	441
4	82	82	164	260	425
5	73	85	159	261	419
6	70	90	160	252	412
7	78	90	168	266	434
8	95	90	185	270	455
9	98	71	170	264	434
10	135	0.9	136	281	417
11	128	--	128	268	396
12	127	--	127	261	388
13	135	--	135	272	407
14	135	--	135	281	416
15	134	--	134	281	415
16	135	--	135	280	415
17	135	--	135	281	415
18	135	--	135	281	415
19	135	--	135	294	428
20	135	--	135	301	435
21	135	--	135	301	435
22	135	--	135	300	435
23	135	--	135	301	435
24	135	--	135	291	425
25	131	27	158	281	439
26	62	91	152	281	433
27	56	94	150	280	430
28	55	95	150	281	431
29	55	96	151	281	432
30	36	126	162	290	452
Monthly Total	3,176	1,314	4,490	8,351	12,842
Monthly Min	36	0.0	127	252	
Monthly Max	135	126	189	301	
Monthly Avg	106	44	150	278	428

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

November 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	132	206	168	216	255	240	408	62.8
2	119	205	175	220	260	250	425	70.5
3	119	207	164	218	257	225	389	71.7
4	53	210	149	190	249	227	375	73.6
5	53	194	140	194	251	226	366	73.8
6	83	208	145	197	266	220	365	72.0
7	71	208	153	209	254	226	379	71.2
8	65	211	166	210	300	238	404	76.1
9	78	210	157	209	300	231	388	81.7
10	64	190	120	208	297	244	364	82.2
11	78	168	118	209	293	232	350	83.1
12	53	209	117	207	286	226	343	79.3
13	80	195	123	209	291	239	363	73.3
14	72	205	123	206	305	245	367	72.9
15	0.0	178	118	207	296	246	365	72.0
16	75	178	122	173	297	247	369	71.6
17	65	202	123	204	300	245	368	68.3
18	40	206	121	204	299	246	368	67.8
19	39	205	122	207	299	260	382	67.1
20	56	202	123	207	299	264	386	66.9
21	83	196	122	207	299	264	386	68.0
22	60	200	122	257	298	265	387	71.4
23	76	203	123	201	299	267	390	76.4
24	59	202	124	247	299	258	381	76.1
25	72	177	121	202	296	250	372	73.9
26	74	191	130	208	299	250	380	70.9
27	79	207	130	207	297	247	377	71.6
28	64	199	130	207	298	247	377	70.3
29	41	208	125	207	303	248	374	72.5
30	58	210	140	201	297	257	397	72.3
Monthly Tota			4,014			7,331	11,345	
Monthly Min	0.0			173				
Monthly Max		211			305			
Monthly Avg			134			244	378	

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

November 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	3.1	4.8	4.3	8.2	8.3	8.3	4.3	7.3	5.6		2.8	5.0	3.6	8.3	8.4	8.3	5.4	7.8	6.5	
2	3.1	5.7	3.5	8.2	8.3	8.3	4.2	7.1	5.8		2.5	3.0	2.9	8.2	8.3	8.3	4.5	6.5	5.0	
3	2.9	3.1	3.0	8.2	8.3	8.3	3.9	4.2	4.1		2.5	3.2	2.8	8.2	8.3	8.2	3.5	5.7	4.3	
4	2.4	3.6	2.7	8.3	8.3	8.3	3.6	3.9	3.7		2.8	4.3	3.6	8.2	8.3	8.2	4.2	6.8	4.9	
5	3.6	3.9	3.6	8.2	8.3	8.2	3.6	3.6	3.6		3.4	4.8	4.1	8.2	8.2	8.2	4.1	5.1	4.4	
6	3.9	8.3	5.6	8.2	8.2	8.2	3.5	4.3	3.6		4.3	10	7.9	8.2	8.2	8.2	4.4	5.4	4.7	
7	4.3	8.3	7.1	8.2	8.2	8.2	3.8	6.3	4.2		4.3	7.8	5.6	8.2	8.2	8.2	4.5	7.5	5.9	
8	4.1	5.9	5.0	8.1	8.2	8.2	3.7	6.3	5.5		3.9	4.3	4.1	8.2	8.2	8.2	3.8	6.4	5.2	
9	3.3	4.1	3.7	8.1	8.2	8.2	3.2	3.7	3.5		3.4	4.2	3.7	8.2	8.2	8.2	3.4	4.8	4.1	
10	2.8	3.3	3.0	8.1	8.2	8.2	3.2	4.5	4.0		3.0	3.4	3.1	8.2	8.2	8.2	4.1	4.8	4.3	
11	2.7	3.6	3.2	8.2	8.3	8.2	3.3	4.0	3.7		3.1	3.2	3.1	8.2	8.2	8.2	3.4	4.5	4.0	
12	2.7	2.9	2.8	8.2	8.3	8.2	3.4	3.8	3.8		3.0	3.2	3.1	8.2	8.2	8.2	3.7	4.8	4.3	
13	2.4	3.0	2.8	8.2	8.3	8.2	3.3	3.9	3.4		3.0	3.4	3.2	8.2	8.2	8.2	3.7	4.9	4.2	
14	2.4	3.0	2.7	8.2	8.3	8.2	3.4	3.9	3.6		2.7	3.4	2.9	8.2	8.3	8.2	3.6	4.8	4.0	
15	2.7	3.0	2.8	8.2	8.3	8.2	3.0	4.3	3.8		2.8	3.4	2.9	8.2	8.3	8.2	3.9	4.8	4.3	
16	2.1	3.0	2.5	8.2	8.2	8.2	3.0	3.9	3.5		2.4	3.3	2.9	8.2	8.2	8.2	3.3	4.4	4.0	
17	2.2	2.8	2.5	8.2	8.2	8.2	3.3	3.6	3.5		2.2	2.8	2.6	8.1	8.2	8.2	3.3	4.1	3.8	
18	2.2	3.2	2.5	8.1	8.2	8.2	3.2	3.5	3.4		2.2	2.8	2.5	8.1	8.2	8.1	3.0	4.6	3.8	
19	2.0	3.2	2.5	8.1	8.2	8.1	3.2	3.3	3.2		2.1	2.8	2.5	8.1	8.2	8.2	3.8	4.8	4.1	
20	2.1	3.0	2.3	8.2	8.2	8.2	3.2	3.6	3.4		2.2	5.3	3.2	8.2	8.2	8.2	2.9	4.3	3.7	
21	3.0	3.8	3.2	8.2	8.2	8.2	3.6	4.6	3.8		3.5	5.3	4.2	8.2	8.2	8.2	3.4	5.6	4.9	
22	2.9	3.8	3.1	8.2	8.2	8.2	3.0	4.6	3.8		3.0	4.2	3.7	8.1	8.2	8.1	3.1	4.9	3.9	
23	2.7	3.3	2.9	8.2	8.2	8.2	3.0	3.2	3.1		2.9	3.8	3.4	8.1	8.2	8.2	3.4	5.8	4.0	
24	2.1	2.8	2.4	8.2	8.2	8.2	3.2	3.6	3.4		2.3	3.0	2.5	8.1	8.2	8.1	3.5	5.8	4.5	
25	1.9	2.1	2.0	8.2	8.2	8.2	2.8	3.7	3.4		2.3	2.7	2.5	8.2	8.2	8.2	3.1	5.0	3.8	
26	2.1	2.8	2.1	8.2	8.3	8.2	2.8	3.6	3.3		2.4	3.3	2.7	8.2	8.2	8.2	3.5	4.7	4.1	
27	2.8	3.9	2.9	8.2	8.2	8.2	3.3	3.9	3.7		3.3	6.4	4.2	8.1	8.2	8.2	3.7	4.7	4.0	
28	3.9	4.9	4.4	8.2	8.2	8.2	3.0	3.3	3.3		3.4	6.4	4.6	8.1	8.2	8.2	3.5	4.8	4.1	
29	2.2	4.9	3.6	8.2	8.2	8.2	3.0	3.4	3.2		2.4	4.1	2.7	8.1	8.2	8.1	3.4	4.3	3.7	
30	2.2	4.0	3.1	8.0	8.2	8.1	3.4	3.5	3.4		2.4	3.7	3.0	8.1	8.1	8.1	3.5	4.4	4.1	
Monthly Min/Max/Avg	1.9	8.3	3.3	8.0	8.3	8.2	2.8	7.3	3.8		2.1	10	3.5	8.1	8.4	8.2	2.9	7.8	4.4	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

November 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	0.07	0.09	0.08	1.91	2.06	1.99	8.1	8.1	8.1	0.66	0.67	0.66	174	0.9	0.09	0.09	0.09	1.94	2.07	2.00	8.0	8.0	8.0	0.65	0.66	0.66	169	1.3
2	0.07	0.10	0.08	1.91	2.06	1.97	8.1	8.1	8.1	0.66	0.67	0.67	179	1.2	0.08	0.09	0.08	1.93	2.03	1.99	8.0	8.0	8.0	0.65	0.66	0.65	174	1.4
3	0.06	0.08	0.07	1.96	2.11	2.03	8.1	8.1	8.1	0.66	0.67	0.67	173	0.8	0.08	0.08	0.08	1.93	1.98	1.93	8.0	8.0	8.0	0.65	0.66	0.66	170	0.7
4	0.06	0.08	0.07	2.01	2.11	2.03	8.1	8.1	8.1	0.66	0.67	0.66	169	0.5	0.08	0.08	0.08	1.93	2.00	1.95	8.0	8.0	8.0	0.64	0.66	0.65	166	1.0
5	0.07	0.08	0.07	2.01	2.11	2.05	8.1	8.1	8.1	0.66	0.69	0.67	170	0.5	0.07	0.08	0.08	1.90	2.04	1.99	8.0	8.0	8.0	0.64	0.66	0.66	170	0.8
6	0.06	0.08	0.07	1.96	2.11	2.01	8.1	8.1	8.1	0.69	0.70	0.69	173	0.6	0.08	0.08	0.08	1.87	1.92	1.88	8.0	8.0	8.0	0.65	0.66	0.66	171	1.1
7	0.06	0.08	0.07	1.91	2.11	1.97	8.1	8.2	8.1	0.69	0.70	0.69	171	0.8	0.08	0.08	0.08	1.88	1.92	1.88	8.0	8.0	8.0	0.66	0.67	0.66	169	0.9
8	0.06	0.08	0.07	2.01	2.16	2.07	8.1	8.1	8.1	0.69	0.71	0.69	174	0.7	0.08	0.08	0.08	1.88	1.99	1.95	8.0	8.0	8.0	0.66	0.67	0.67	171	1.3
9	0.05	0.07	0.06	2.01	2.16	2.06	8.0	8.1	8.1	0.70	0.70	0.70	165	0.6	0.08	0.08	0.08	1.98	2.03	2.00	8.0	8.1	8.0	0.67	0.67	0.67	168	0.7
10	0.05	0.11	0.06	1.96	2.06	2.03	8.0	8.1	8.1	0.70	0.70	0.70	170	0.3	0.08	0.08	0.08	1.98	2.03	2.00	8.1	8.1	8.1	0.67	0.67	0.67	170	0.8
11	0.06	0.09	0.07	1.96	2.11	2.02	8.1	8.1	8.1	0.70	0.71	0.70	166	0.4	0.08	0.08	0.08	1.98	2.02	1.99	8.1	8.1	8.1	0.67	0.68	0.67	167	0.7
12	0.06	0.08	0.07	1.96	2.11	2.03	8.1	8.1	8.1	0.70	0.71	0.70	173	0.5	0.08	0.08	0.08	1.98	2.02	1.98	8.1	8.1	8.1	0.67	0.67	0.67	173	0.9
13	0.06	0.08	0.07	1.96	2.11	2.04	8.1	8.1	8.1	0.63	0.71	0.66	164	0.3	0.08	0.08	0.08	1.98	2.03	1.99	8.1	8.1	8.1	0.67	0.68	0.67	167	0.8
14	0.08	0.10	0.08	2.01	2.11	2.07	8.1	8.1	8.1	0.65	0.66	0.66	170	0.4	0.08	0.08	0.08	1.98	2.03	1.99	8.1	8.1	8.1	0.67	0.68	0.67	166	0.8
15	0.08	0.12	0.08	2.01	2.16	2.08	8.1	8.1	8.1	0.66	0.67	0.66	170	0.5	0.08	0.08	0.08	1.88	2.02	1.96	8.1	8.1	8.1	0.67	0.67	0.67	165	0.8
16	0.06	0.12	0.08	2.06	2.16	2.09	8.1	8.1	8.1	0.65	0.66	0.66	166	0.7	0.08	0.08	0.08	1.98	2.01	1.98	8.1	8.1	8.1	0.67	0.67	0.67	169	1.3
17	0.06	0.08	0.08	2.06	2.11	2.07	8.1	8.1	8.1	0.65	0.67	0.67	174	0.5	0.08	0.08	0.08	1.93	1.98	1.95	8.1	8.1	8.1	0.67	0.68	0.67	172	0.9
18	0.06	0.08	0.08	2.01	2.11	2.06	8.1	8.1	8.1	0.64	0.65	0.65	170	0.5	0.08	0.09	0.08	1.93	1.98	1.94	8.1	8.1	8.1	0.67	0.68	0.67	170	0.7
19	0.07	0.10	0.08	2.01	2.11	2.04	8.1	8.1	8.1	0.65	0.70	0.66	172	0.5	0.07	0.08	0.08	1.93	1.98	1.96	8.1	8.1	8.1	0.66	0.67	0.67	170	0.8
20	0.07	0.10	0.08	2.01	2.11	2.06	8.1	8.1	8.1	0.69	0.71	0.70	166	0.5	0.07	0.08	0.08	1.93	1.98	1.95	7.5	8.1	8.0	0.66	0.67	0.67	165	0.7
21	0.07	0.09	0.08	1.96	2.11	2.03	8.1	8.1	8.1	0.70	0.71	0.71	171	0.7	0.07	0.08	0.08	1.92	1.98	1.93	7.9	7.9	7.9	0.67	0.67	0.67	174	0.7
22	0.07	0.10	0.08	1.96	2.11	2.00	8.1	8.2	8.1	0.70	0.71	0.71	178	0.8	0.07	0.08	0.08	1.93	1.98	1.97	7.9	7.9	7.9	0.66	0.67	0.67	177	0.8
23	0.07	0.09	0.08	2.01	2.16	2.07	8.1	8.2	8.1	0.70	0.71	0.71	173	0.7	0.07	0.08	0.07	1.92	1.98	1.93	7.9	7.9	7.9	0.67	0.68	0.68	172	0.5
24	0.07	0.16	0.08	1.98	2.08	2.01	8.1	8.2	8.1	0.70	0.71	0.71	173	0.3	0.07	0.09	0.08	1.93	1.98	1.96	7.9	7.9	7.9	0.67	0.68	0.68	170	0.8
25	0.08	0.13	0.09	2.01	2.26	2.12	8.1	8.1	8.1	0.70	0.71	0.70	170	0.4	0.07	0.08	0.07	1.93	2.03	1.98	7.9	7.9	7.9	0.68	0.68	0.68	173	0.8
26	0.08	0.10	0.09	2.01	2.32	2.21	8.1	8.1	8.1	0.70	0.71	0.70	170	0.6	0.07	0.07	0.07	1.93	1.98	1.95	7.9	7.9	7.9	0.68	0.70	0.69	171	0.8
27	0.08	0.09	0.08	1.86	2.32	2.06	8.1	8.1	8.1	0.63	0.73	0.72	175	0.6	0.07	0.07	0.07	1.93	1.98	1.95	7.9	7.9	7.9	0.68	0.70	0.69	177	1.1
28	0.05	0.05	0.05	1.96	2.21	2.04	8.1	8.2	8.1	0.72	0.73	0.73	180	0.5	0.07	0.08	0.07	1.93	1.98	1.94	7.9	7.9	7.9	0.65	0.70	0.68	180	0.7
29	0.04	0.05	0.05	1.96	2.11	2.03	8.1	8.2	8.1	0.72	0.73	0.72	186	0.4	0.07	0.08	0.07	1.93	1.98	1.94	7.9	8.0	7.9	0.63	0.66	0.64	182	0.8
30	0.04	0.06	0.05	1.96	2.11	2.01	8.1	8.2	8.2	0.72	0.73	0.72	190	0.4	0.07	0.08	0.07	1.92	1.98	1.93	7.9	8.0	8.0	0.63	0.64	0.64	188	1.0
Monthly Min/Max/ Avg	0.04	0.16	0.07	1.86	2.32	2.04	8.0	8.2	8.1	0.63	0.73	0.69	172	0.6	0.07	0.09	0.08	1.87	2.07	1.96	7.5	8.1	8.0	0.63	0.70	0.67	172	0.9

NOTES: ' -- ' indicates plant offline

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

November 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	4	31	8	1	12	6	4	45	13	4	20	9	4	22	10	2	16	7	3	12	8	3	14	8	5	15	9
2	3	12	6	1	12	6	3	13	7	3	26	10	4	24	12	1	16	7	2	26	6	1	14	7	2	12	6
3	1	32	4	1	20	3	1	17	4	2	23	8	3	28	7	1	26	5	1	8	4	1	27	5	1	6	3
4	1	4	4	1	4	2	1	5	2	2	20	5	4	34	7	1	19	3	1	24	5	1	5	3	1	24	6
5	1	17	6	1	19	6	1	31	6	3	30	5	3	29	7	4	22	8	3	23	9	1	24	7	1	30	10
6	5	24	11	2	11	6	2	7	4	5	40	9	7	16	11	3	14	8	6	31	11	4	12	7	2	39	7
7	5	13	7	2	10	4	3	10	5	3	14	7	5	26	11	2	14	6	3	13	6	4	10	7	4	17	8
8	1	12	6	2	11	5	3	11	6	2	22	9	2	17	9	1	14	6	2	12	6	1	12	5	2	10	5
9	1	14	4	1	14	2	1	5	3	1	19	4	2	27	6	1	33	4	1	4	2	1	7	4	1	9	4
10	1	3	2	1	5	3	3	12	6	1	31	5	2	20	9	1	5	2	2	21	5	1	3	1	1	11	2
11	3	22	5	1	2	1	1	5	3	4	14	5	4	11	7	7	14	10	1	4	3	3	22	5	2	6	4
12	2	15	4	2	9	4	3	22	5	3	8	5	3	7	5	3	9	5	3	19	6	2	6	4	1	4	2
13	3	16	5	2	5	3	2	7	4	3	7	4	4	25	7	1	4	3	2	7	4	2	17	6	3	39	7
14	2	7	4	3	42	7	1	4	3	3	14	6	3	8	5	3	13	5	1	24	9	2	7	5	1	6	4
15	4	16	6	2	28	6	2	28	5	2	9	4	5	29	8	2	6	3	3	10	5	2	21	4	1	43	7
16	2	8	5	3	24	7	2	12	4	4	15	8	3	9	6	3	14	6	2	23	4	2	15	5	1	30	4
17	2	26	4	1	24	6	2	14	5	3	41	7	4	25	7	2	11	4	3	22	8	1	14	3	4	27	9
18	2	8	4	1	4	2	1	6	3	3	25	8	3	25	5	2	14	4	2	24	7	2	16	5	1	9	4
19	2	4	3	2	12	4	2	13	4	2	16	4	3	10	5	1	5	3	2	15	3	1	5	3	2	13	4
20	3	16	5	2	5	3	1	4	3	2	16	5	2	5	4	1	3	2	3	7	5	3	19	5	2	5	3
21	3	6	4	1	10	4	4	16	11	3	9	5	8	26	12	4	13	6	2	5	4	3	7	4	2	4	3
22	3	10	6	2	9	5	2	10	5	4	17	6	3	14	8	2	8	5	1	30	12	2	6	4	3	16	6
23	2	6	4	1	7	3	4	23	5	3	8	5	3	6	4	3	19	5	2	6	4	3	18	5	1	6	3
24	3	11	5	2	6	4	2	6	4	2	7	4	4	18	7	2	6	4	2	5	3	1	5	3	3	16	6
25	2	6	4	1	4	3	2	10	3	2	17	5	2	7	4	1	4	3	2	17	5	3	20	5	2	6	4
26	1	3	2	1	9	3	1	5	3	2	5	3	2	18	7	1	12	3	1	5	2	1	11	3	1	4	2
27	1	17	3	1	3	2	1	3	2	1	8	3	1	6	4	1	3	1	1	14	4	1	2	1	2	11	3
28	1	3	2	1	7	3	1	21	4	2	4	3	1	15	4	2	19	3	1	4	2	2	27	7	1	3	1
29	2	14	4	1	4	2	1	39	5	2	26	5	2	17	4	1	4	2	1	13	2	1	16	3	3	12	4
30	1	5	3	1	3	2	3	20	5	2	8	4	2	17	4	2	14	3	2	11	4	1	21	3	1	5	3
Monthly Min/Max/Avg	1	32	5	1	42	4	1	45	5	1	41	6	1	34	7	1	33	5	1	31	5	1	27	5	1	43	5

NOTE: ' -- ' indicates filter offline

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

November 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	4	1	43	4	1	19	5	1	18	4	2	15	5	--	--	--	9	30	16	2	18	7	1	28	6
2	1	11	3	1	9	2	1	14	3	1	14	3	1	10	3	--	--	--	7	28	13	1	22	4	1	24	4
3	1	6	2	1	17	3	1	8	3	1	14	2	1	12	3	--	--	--	8	31	14	1	15	4	1	27	4
4	1	11	4	1	43	4	2	14	4	1	6	3	1	20	10	--	--	--	9	31	14	1	31	5	1	28	5
5	1	14	4	1	18	3	1	16	4	1	24	4	1	16	4	--	--	--	8	18	12	1	12	5	2	43	6
6	1	20	5	1	16	4	1	22	7	1	18	6	1	9	5	--	--	--	9	29	16	1	15	4	2	29	7
7	1	8	3	1	16	5	1	21	6	1	18	5	1	12	6	--	--	--	8	28	15	2	16	7	2	16	7
8	1	14	4	1	12	4	1	8	3	1	13	4	1	15	4	--	--	--	8	29	13	1	18	4	1	25	5
9	1	13	6	1	41	4	3	21	6	1	17	3	1	16	5	--	--	--	5	29	14	3	16	6	1	24	6
10	1	18	6	2	10	5	2	19	7	2	16	5	2	16	6	--	--	--	10	28	16	3	16	8	3	17	7
11	1	9	4	2	40	5	2	19	5	2	13	4	1	15	4	--	--	--	10	29	15	2	11	6	2	14	5
12	2	13	5	2	37	5	2	8	4	1	14	4	2	8	5	--	--	--	10	30	15	3	12	5	2	28	5
13	2	15	5	1	17	5	3	18	6	1	6	4	3	11	5	--	--	--	10	31	15	4	14	6	2	26	7
14	2	17	6	1	30	5	2	20	6	3	12	5	2	14	5	--	--	--	10	31	15	3	16	6	3	29	6
15	1	15	6	2	16	4	2	21	6	--	--	--	2	14	6	--	--	--	10	30	16	3	17	6	2	13	6
16	1	8	4	2	10	5	2	21	6	--	--	--	2	17	5	--	--	--	9	33	15	3	15	6	2	13	5
17	2	17	5	1	38	4	1	20	5	--	--	--	2	17	5	--	--	--	8	29	14	2	15	5	2	13	5
18	2	16	5	1	28	4	2	19	5	--	--	--	1	12	4	--	--	--	7	27	13	3	30	6	2	26	4
19	2	14	5	1	13	3	1	20	4	3	16	5	1	19	4	--	--	--	8	29	14	1	18	5	2	25	5
20	2	15	5	3	11	5	2	22	5	1	19	4	2	12	4	--	--	--	9	30	14	3	19	5	2	28	6
21	2	18	6	2	39	5	2	20	6	1	16	5	1	16	6	--	--	--	8	30	15	1	18	7	3	17	8
22	1	14	4	1	41	4	2	14	5	2	8	4	1	18	5	--	--	--	9	29	14	1	16	5	2	16	6
23	1	9	4	1	10	4	1	17	5	1	27	4	1	5	2	--	--	--	9	31	14	1	17	5	2	27	6
24	1	17	5	1	45	4	2	17	5	1	15	4	1	14	2	--	--	--	8	28	13	1	17	5	1	28	5
25	1	14	4	1	11	3	1	19	4	1	6	3	1	10	4	--	--	--	5	28	13	1	22	5	2	23	5
26	1	13	4	1	8	2	1	17	4	1	23	4	1	13	4	--	--	--	7	27	12	1	6	3	1	26	5
27	1	13	4	1	12	3	1	15	4	1	10	3	1	14	3	--	--	--	7	25	11	1	27	4	1	29	4
28	1	6	2	1	14	3	1	15	4	1	11	3	1	14	3	--	--	--	7	29	12	1	27	4	2	24	7
29	1	16	4	1	21	3	1	8	4	1	17	2	1	17	3	--	--	--	7	29	12	1	17	4	1	25	3
30	1	12	4	1	28	3	1	17	4	1	4	2	1	15	3	--	--	--	8	29	12	2	18	4	1	27	3
Monthly Min/Max/Avg	1	20	4	1	45	4	1	22	5	1	27	4	1	20	4	--	--	--	5	33	14	1	31	5	1	43	5

NOTES: ' -- ' indicates filter offline

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

November 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	11	5	1	16	6	1	26	6	1	13	7	1	17	7	1	11	5	1	14	6	1	13	6	1	13	5
2	1	8	3	1	16	3	1	23	3	1	10	3	1	9	4	1	24	3	1	9	3	1	12	3	1	8	2
3	1	24	3	1	27	5	1	26	3	1	12	4	1	9	4	1	22	4	1	8	4	1	9	4	1	10	3
4	1	26	5	1	25	4	1	27	5	1	13	5	1	15	5	1	17	3	1	17	6	1	9	5	1	8	4
5	1	21	5	1	24	4	2	23	5	1	7	4	1	25	5	2	12	5	1	42	8	1	16	6	2	10	4
6	2	12	6	1	15	5	1	24	5	1	13	6	1	14	4	2	11	6	1	18	6	2	17	9	2	14	6
7	1	15	7	2	21	7	1	19	6	1	13	6	1	15	5	1	14	6	1	16	5	1	17	5	1	41	6
8	1	20	4	1	25	5	1	22	4	1	13	5	1	14	4	1	11	5	1	13	4	1	13	6	1	24	4
9	1	12	5	1	21	4	1	25	5	1	11	7	3	14	6	1	16	6	1	10	4	1	15	6	1	21	4
10	2	14	6	3	19	8	2	27	8	1	15	7	2	20	7	2	16	7	3	16	7	3	13	7	2	17	5
11	1	11	4	2	17	6	2	29	6	2	12	6	2	12	7	2	23	5	2	12	5	2	11	5	2	14	4
12	1	10	5	3	17	5	3	18	5	2	13	5	2	13	6	2	10	5	2	12	6	2	12	6	2	17	5
13	2	9	4	2	27	6	1	23	6	2	14	5	3	12	6	3	11	5	2	15	7	2	11	6	1	17	5
14	2	11	5	2	17	7	2	26	6	3	9	5	3	12	6	3	9	5	2	14	6	2	13	6	2	16	5
15	1	12	6	2	20	7	2	27	6	2	14	6	3	31	6	2	12	6	2	15	7	3	14	7	2	32	5
16	2	10	5	2	19	5	2	29	6	3	13	6	3	18	6	2	14	5	2	15	6	3	13	6	2	26	5
17	1	11	5	2	24	5	2	25	5	2	13	5	3	11	6	2	13	5	2	15	5	2	13	6	2	18	5
18	2	13	4	2	22	5	3	29	6	1	13	5	2	10	5	2	10	5	2	12	5	2	12	5	1	15	4
19	1	26	4	2	24	6	2	26	4	2	12	5	3	12	5	2	10	4	2	14	5	2	13	5	1	17	4
20	1	13	5	2	28	5	1	26	6	2	15	6	3	14	6	2	12	5	2	13	6	2	12	5	2	29	5
21	2	15	6	2	17	6	1	26	9	2	20	6	3	17	7	2	17	6	2	14	6	1	15	6	2	12	5
22	2	12	5	2	17	5	1	27	6	1	21	5	1	15	6	1	11	5	2	16	5	1	11	5	1	13	4
23	1	13	5	1	22	5	1	30	6	2	15	5	1	15	5	1	16	5	1	13	5	1	13	5	1	15	4
24	1	12	5	1	21	5	2	27	6	1	10	4	2	16	6	2	22	5	1	14	5	1	12	5	1	13	4
25	1	12	4	2	25	5	2	27	5	1	15	4	1	13	5	2	11	4	2	13	5	1	11	5	2	11	4
26	1	27	3	1	29	5	2	28	5	1	22	4	1	10	4	1	30	4	1	13	4	1	11	4	1	12	3
27	1	22	3	1	21	4	1	27	4	1	13	4	1	15	4	1	11	3	1	13	4	1	11	3	1	23	3
28	1	13	4	1	21	4	1	28	5	1	12	4	1	14	4	1	29	3	1	10	4	1	10	4	1	11	3
29	1	7	3	1	13	4	2	28	4	1	12	3	1	10	4	1	9	3	1	10	4	1	9	3	1	10	3
30	1	11	4	2	14	4	2	28	4	1	10	3	1	9	4	1	13	3	1	11	4	1	9	3	1	9	3
Monthly Min/Max/Avg	1	27	5	1	29	5	1	30	5	1	22	5	1	31	5	1	30	5	1	42	5	1	17	5	1	41	4

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

November 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	0.03	0.07	0.04	0.03	0.09	0.04	0.02	0.10	0.04	0.02	0.09	0.04	0.03	0.09	0.04	0.02	0.09	0.03	0.03	0.08	0.05	0.02	0.09	0.04	0.04	0.09	0.05
2	0.03	0.09	0.04	0.03	0.06	0.04	0.02	0.09	0.04	0.01	0.07	0.03	0.02	0.07	0.04	0.02	0.06	0.03	0.02	0.09	0.04	0.02	0.06	0.03	0.02	0.09	0.04
3	0.02	0.08	0.03	0.03	0.08	0.04	0.02	0.07	0.03	0.01	0.04	0.03	0.02	0.07	0.04	0.02	0.07	0.04	0.02	0.05	0.03	0.02	0.08	0.04	0.02	0.04	0.03
4	0.02	0.05	0.03	0.02	0.04	0.03	0.01	0.03	0.02	0.01	0.06	0.03	0.03	0.07	0.04	0.01	0.07	0.03	0.02	0.08	0.04	0.02	0.04	0.02	0.02	0.07	0.04
5	0.02	0.08	0.04	0.03	0.08	0.04	0.02	0.07	0.03	0.01	0.03	0.02	0.03	0.06	0.04	0.02	0.05	0.03	0.02	0.05	0.03	0.02	0.06	0.04	0.02	0.04	0.03
6	0.03	0.05	0.03	0.03	0.06	0.04	0.02	0.07	0.02	0.03	0.07	0.04	0.03	0.05	0.03	0.02	0.08	0.04	0.03	0.07	0.07	0.02	0.04	0.05	0.02	0.07	0.03
7	0.03	0.09	0.05	0.03	0.05	0.04	0.03	0.09	0.04	0.02	0.04	0.03	0.02	0.09	0.04	0.02	0.09	0.03	0.04	0.05	0.04	0.04	0.07	0.04	0.03	0.05	0.03
8	0.02	0.06	0.04	0.03	0.09	0.04	0.03	0.09	0.04	0.01	0.09	0.04	0.02	0.06	0.04	0.02	0.06	0.03	0.03	0.09	0.05	0.02	0.09	0.04	0.02	0.05	0.04
9	0.02	0.10	0.04	0.02	0.07	0.03	0.02	0.03	0.02	0.01	0.06	0.03	0.02	0.09	0.03	0.02	0.07	0.03	0.03	0.05	0.03	0.02	0.05	0.03	0.02	0.04	0.03
10	0.02	0.04	0.02	0.03	0.05	0.03	0.03	0.07	0.04	0.01	0.04	0.02	0.03	0.06	0.05	0.01	0.03	0.02	0.04	0.08	0.05	0.02	0.02	0.02	0.02	0.07	0.04
11	0.03	0.09	0.04	0.02	0.04	0.03	0.02	0.03	0.02	0.04	0.07	0.04	0.03	0.09	0.04	0.07	0.08	0.07	0.03	0.05	0.03	0.04	0.07	0.04	0.02	0.05	0.03
12	0.02	0.04	0.03	0.04	0.07	0.05	0.04	0.07	0.05	0.02	0.05	0.03	0.02	0.04	0.03	0.03	0.08	0.04	0.04	0.08	0.05	0.03	0.04	0.03	0.02	0.03	0.02
13	0.04	0.08	0.04	0.04	0.05	0.04	0.02	0.04	0.03	0.02	0.06	0.02	0.03	0.04	0.04	0.02	0.04	0.02	0.03	0.04	0.03	0.03	0.08	0.05	0.03	0.07	0.04
14	0.03	0.05	0.03	0.05	0.08	0.05	0.02	0.02	0.02	0.02	0.07	0.03	0.03	0.05	0.04	0.03	0.07	0.04	0.03	0.08	0.05	0.03	0.04	0.03	0.02	0.03	0.03
15	0.04	0.09	0.05	0.03	0.05	0.04	0.02	0.07	0.04	0.02	0.04	0.02	0.04	0.09	0.04	0.02	0.03	0.02	0.04	0.06	0.04	0.03	0.08	0.03	0.03	0.08	0.04
16	0.02	0.05	0.03	0.05	0.08	0.06	0.02	0.07	0.03	0.02	0.07	0.04	0.03	0.05	0.03	0.04	0.08	0.05	0.03	0.05	0.03	0.03	0.06	0.04	0.02	0.03	0.03
17	0.02	0.08	0.03	0.04	0.05	0.04	0.02	0.05	0.03	0.02	0.07	0.02	0.03	0.08	0.04	0.02	0.04	0.03	0.04	0.08	0.05	0.03	0.04	0.03	0.04	0.06	0.05
18	0.03	0.07	0.04	0.03	0.05	0.03	0.02	0.02	0.02	0.03	0.08	0.04	0.02	0.08	0.03	0.02	0.08	0.04	0.03	0.04	0.04	0.03	0.09	0.04	0.02	0.04	0.03
19	0.02	0.03	0.02	0.04	0.07	0.05	0.02	0.07	0.03	0.01	0.07	0.02	0.02	0.06	0.03	0.02	0.03	0.02	0.03	0.07	0.03	0.02	0.03	0.03	0.02	0.07	0.04
20	0.03	0.08	0.04	0.03	0.06	0.04	0.02	0.03	0.02	0.02	0.08	0.03	0.02	0.03	0.02	0.02	0.04	0.02	0.03	0.07	0.04	0.03	0.08	0.04	0.02	0.03	0.03
21	0.02	0.04	0.03	0.03	0.07	0.04	0.03	0.06	0.04	0.02	0.05	0.02	0.04	0.06	0.05	0.03	0.04	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.02	0.02	0.02
22	0.03	0.06	0.04	0.03	0.06	0.04	0.01	0.03	0.02	0.02	0.07	0.04	0.02	0.06	0.03	0.02	0.04	0.02	0.04	0.06	0.05	0.03	0.03	0.03	0.03	0.07	0.04
23	0.02	0.04	0.03	0.03	0.06	0.04	0.03	0.05	0.04	0.02	0.04	0.03	0.02	0.04	0.02	0.03	0.05	0.04	0.03	0.06	0.04	0.03	0.06	0.04	0.02	0.03	0.02
24	0.03	0.09	0.05	0.04	0.06	0.04	0.02	0.03	0.03	0.01	0.03	0.02	0.03	0.09	0.04	0.02	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.04	0.08	0.06
25	0.03	0.05	0.03	0.03	0.05	0.04	0.02	0.07	0.03	0.02	0.08	0.03	0.02	0.04	0.03	0.02	0.02	0.02	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.04	0.04
26	0.02	0.04	0.02	0.04	0.08	0.05	0.02	0.08	0.03	0.01	0.05	0.02	0.03	0.08	0.07	0.02	0.08	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.02	0.03	0.02
27	0.03	0.08	0.04	0.03	0.04	0.03	0.02	0.02	0.02	0.01	0.07	0.04	0.02	0.06	0.04	0.01	0.04	0.02	0.03	0.08	0.06	0.02	0.03	0.02	0.03	0.09	0.04
28	0.02	0.04	0.02	0.03	0.08	0.05	0.02	0.07	0.03	0.01	0.03	0.02	0.02	0.08	0.04	0.03	0.08	0.04	0.03	0.05	0.04	0.03	0.08	0.04	0.02	0.03	0.02
29	0.03	0.09	0.04	0.03	0.04	0.04	0.01	0.02	0.02	0.03	0.07	0.04	0.02	0.08	0.03	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.09	0.06
30	0.02	0.03	0.03	0.03	0.08	0.04	0.03	0.08	0.04	0.02	0.05	0.03	0.02	0.08	0.04	0.02	0.08	0.04	0.04	0.08	0.05	0.02	0.08	0.04	0.02	0.05	0.03
Monthly Min/Max/Avg	0.02	0.10	0.04	0.02	0.09	0.04	0.01	0.10	0.03	0.01	0.09	0.03	0.02	0.09	0.04	0.01	0.09	0.03	0.02	0.09	0.04	0.02	0.09	0.03	0.02	0.09	0.03

NOTES: ' -- ' indicates filter offline

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

November 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	0.09	0.03	0.02	0.09	0.03	0.01	0.08	0.02	0.03	0.09	0.04	0.01	0.09	0.02	--	--	--	0.00	0.09	0.02	0.02	0.09	0.04	0.01	0.09	0.02
2	0.01	0.08	0.02	0.02	0.05	0.03	0.00	0.07	0.01	0.03	0.09	0.04	0.00	0.05	0.01	--	--	--	0.01	0.09	0.01	0.02	0.09	0.03	0.00	0.09	0.02
3	0.01	0.03	0.02	0.02	0.10	0.03	0.01	0.03	0.01	0.03	0.09	0.03	0.00	0.07	0.01	--	--	--	0.00	0.08	0.02	0.02	0.09	0.03	0.01	0.08	0.02
4	0.01	0.07	0.02	0.02	0.09	0.04	0.01	0.06	0.02	0.03	0.05	0.03	0.00	0.07	0.02	--	--	--	0.01	0.08	0.02	0.02	0.09	0.03	0.00	0.08	0.02
5	0.01	0.08	0.02	0.02	0.10	0.03	0.01	0.07	0.02	0.02	0.08	0.03	0.00	0.07	0.01	--	--	--	0.00	0.03	0.01	0.02	0.09	0.04	0.00	0.07	0.02
6	0.01	0.08	0.02	0.02	0.04	0.03	0.00	0.07	0.02	0.02	0.09	0.04	0.00	0.03	0.01	--	--	--	0.01	0.08	0.02	0.01	0.09	0.03	0.00	0.09	0.02
7	0.01	0.03	0.02	0.02	0.09	0.04	0.01	0.08	0.02	0.02	0.09	0.04	0.00	0.08	0.02	--	--	--	0.01	0.09	0.02	0.02	0.09	0.04	0.01	0.09	0.02
8	0.01	0.08	0.02	0.02	0.09	0.03	0.00	0.02	0.01	0.03	0.09	0.04	0.00	0.09	0.01	--	--	--	0.00	0.09	0.02	0.02	0.09	0.03	0.00	0.09	0.02
9	0.01	0.07	0.03	0.02	0.09	0.03	0.01	0.07	0.02	0.03	0.09	0.03	0.00	0.07	0.01	--	--	--	0.01	0.08	0.02	0.02	0.09	0.04	0.00	0.08	0.02
10	0.01	0.09	0.03	0.02	0.04	0.03	0.01	0.08	0.02	0.03	0.08	0.04	0.01	0.09	0.02	--	--	--	0.01	0.08	0.02	0.02	0.09	0.05	0.01	0.09	0.03
11	0.01	0.03	0.02	0.02	0.09	0.03	0.01	0.08	0.02	0.03	0.09	0.04	0.00	0.09	0.01	--	--	--	0.01	0.09	0.02	0.01	0.09	0.04	0.00	0.09	0.02
12	0.02	0.09	0.03	0.02	0.10	0.04	0.01	0.02	0.01	0.03	0.09	0.04	0.01	0.03	0.01	--	--	--	0.01	0.09	0.02	0.02	0.09	0.04	0.01	0.10	0.03
13	0.02	0.08	0.03	0.02	0.09	0.03	0.01	0.07	0.02	0.03	0.04	0.03	0.01	0.06	0.02	--	--	--	0.01	0.09	0.02	0.03	0.09	0.04	0.00	0.07	0.03
14	0.01	0.08	0.03	0.02	0.09	0.03	0.01	0.08	0.02	0.03	0.09	0.04	0.01	0.08	0.02	--	--	--	0.01	0.09	0.02	0.01	0.09	0.04	0.01	0.10	0.03
15	0.02	0.09	0.03	0.02	0.09	0.03	0.01	0.08	0.02	--	--	--	0.01	0.08	0.02	--	--	--	0.01	0.09	0.02	0.02	0.09	0.04	0.00	0.09	0.02
16	0.01	0.03	0.02	0.02	0.06	0.03	0.01	0.07	0.02	--	--	--	0.01	0.08	0.02	--	--	--	0.00	0.09	0.02	0.02	0.09	0.04	0.01	0.09	0.02
17	0.02	0.09	0.02	0.02	0.09	0.03	0.00	0.07	0.02	--	--	--	0.00	0.08	0.01	--	--	--	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.09	0.02
18	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.07	0.02	--	--	--	0.00	0.06	0.01	--	--	--	0.00	0.08	0.02	0.02	0.09	0.04	0.00	0.09	0.02
19	0.02	0.08	0.02	0.02	0.09	0.03	0.00	0.07	0.01	0.03	0.09	0.05	0.00	0.08	0.01	--	--	--	0.00	0.08	0.02	0.01	0.09	0.03	0.00	0.08	0.02
20	0.01	0.08	0.02	0.03	0.09	0.04	0.00	0.07	0.01	0.03	0.09	0.03	0.00	0.05	0.01	--	--	--	0.00	0.08	0.02	0.02	0.09	0.04	0.00	0.09	0.02
21	0.02	0.08	0.03	0.02	0.09	0.03	0.01	0.08	0.02	0.03	0.09	0.04	0.00	0.08	0.02	--	--	--	0.01	0.09	0.02	0.03	0.09	0.04	0.01	0.09	0.02
22	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.05	0.01	0.03	0.05	0.03	0.00	0.09	0.01	--	--	--	0.00	0.09	0.02	0.02	0.09	0.03	0.00	0.09	0.02
23	0.02	0.04	0.02	0.02	0.06	0.03	0.00	0.07	0.02	0.02	0.09	0.04	0.00	0.08	0.01	--	--	--	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.09	0.02
24	0.01	0.09	0.02	0.02	0.08	0.03	0.00	0.07	0.02	0.03	0.09	0.04	0.00	0.07	0.01	--	--	--	0.00	0.08	0.02	0.02	0.09	0.03	0.00	0.09	0.02
25	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.07	0.02	0.03	0.04	0.03	0.00	0.04	0.01	--	--	--	0.01	0.08	0.01	0.02	0.09	0.03	0.00	0.09	0.02
26	0.01	0.07	0.02	0.02	0.03	0.02	0.00	0.06	0.01	0.03	0.08	0.04	0.00	0.07	0.01	--	--	--	0.01	0.07	0.01	0.01	0.10	0.03	0.00	0.08	0.02
27	0.01	0.07	0.02	0.02	0.07	0.03	0.00	0.06	0.01	0.03	0.08	0.03	0.00	0.07	0.01	--	--	--	0.01	0.07	0.01	0.02	0.09	0.03	0.01	0.09	0.01
28	0.01	0.03	0.02	0.02	0.09	0.03	0.00	0.06	0.01	0.02	0.08	0.03	0.00	0.07	0.01	--	--	--	0.01	0.08	0.02	0.02	0.09	0.03	0.01	0.09	0.18
29	0.01	0.08	0.03	0.02	0.09	0.03	0.00	0.03	0.01	0.03	0.09	0.03	0.00	0.08	0.01	--	--	--	0.00	0.08	0.02	0.02	0.09	0.04	0.00	0.09	0.02
30	0.01	0.07	0.03	0.02	0.09	0.03	0.00	0.07	0.02	0.03	0.04	0.03	0.00	0.09	0.01	--	--	--	0.00	0.09	0.02	0.01	0.09	0.04	0.00	0.09	0.02
Monthly Min/Max/Avg	0.01	0.09	0.02	0.02	0.10	0.03	0.00	0.08	0.01	0.02	0.09	0.04	0.00	0.09	0.01	--	--	--	0.01	0.09	0.02	0.01	0.10	0.04	0.01	0.10	0.03

NOTES: ' -- ' indicates filter offline

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

November 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	0.09	0.05	0.01	0.09	0.02	0.01	0.09	0.03	0.03	0.09	0.05	0.04	0.09	0.05	0.05	0.09	0.07	0.05	0.09	0.07	0.04	0.09	0.06	0.04	0.09	0.05
2	0.02	0.09	0.04	0.01	0.09	0.01	0.00	0.08	0.02	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.03	0.09	0.04
3	0.02	0.10	0.04	0.01	0.09	0.02	0.00	0.08	0.02	0.03	0.09	0.04	0.03	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.03	0.09	0.05
4	0.02	0.09	0.04	0.01	0.09	0.01	0.00	0.08	0.02	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.07	0.05	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.08	0.04
5	0.03	0.09	0.04	0.01	0.09	0.01	0.01	0.09	0.02	0.03	0.05	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05
6	0.03	0.09	0.05	0.01	0.07	0.01	0.00	0.09	0.02	0.03	0.09	0.04	0.04	0.09	0.04	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.06	0.03	0.09	0.05
7	0.02	0.09	0.05	0.01	0.09	0.02	0.00	0.09	0.03	0.03	0.09	0.05	0.04	0.09	0.05	0.05	0.10	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.03	0.09	0.05
8	0.02	0.09	0.04	0.01	0.09	0.01	0.00	0.09	0.02	0.03	0.09	0.04	0.04	0.08	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.06	0.03	0.09	0.05
9	0.02	0.09	0.04	0.01	0.09	0.01	0.01	0.08	0.02	0.03	0.09	0.05	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.07	0.05	0.04	0.09	0.06	0.03	0.09	0.04
10	0.03	0.09	0.05	0.00	0.09	0.02	0.01	0.09	0.04	0.03	0.09	0.05	0.04	0.09	0.06	0.05	0.09	0.07	0.06	0.09	0.07	0.04	0.09	0.06	0.04	0.09	0.05
11	0.02	0.09	0.04	0.00	0.09	0.02	0.01	0.09	0.03	0.03	0.09	0.05	0.04	0.09	0.06	0.05	0.09	0.06	0.05	0.09	0.07	0.04	0.07	0.05	0.04	0.08	0.05
12	0.03	0.09	0.05	0.01	0.09	0.02	0.01	0.08	0.03	0.03	0.09	0.05	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.07	0.03	0.10	0.06	0.04	0.09	0.05
13	0.02	0.07	0.04	0.01	0.09	0.02	0.01	0.09	0.03	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.07	0.04	0.08	0.05	0.04	0.09	0.05
14	0.03	0.09	0.05	0.01	0.09	0.02	0.01	0.08	0.03	0.03	0.06	0.04	0.04	0.09	0.05	0.05	0.07	0.06	0.05	0.09	0.06	0.04	0.09	0.06	0.04	0.09	0.05
15	0.03	0.09	0.05	0.00	0.09	0.02	0.01	0.09	0.03	0.04	0.09	0.05	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.06	0.04	0.09	0.05
16	0.03	0.09	0.04	0.01	0.09	0.01	0.01	0.09	0.02	0.04	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.06	0.04	0.09	0.05
17	0.02	0.09	0.04	0.01	0.09	0.01	0.01	0.08	0.02	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05
18	0.02	0.09	0.04	0.01	0.09	0.01	0.01	0.09	0.03	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.08	0.06	0.04	0.09	0.05	0.03	0.09	0.04
19	0.02	0.09	0.04	0.01	0.09	0.02	0.01	0.08	0.02	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.09	0.06	0.05	0.09	0.06	0.04	0.09	0.05	0.03	0.09	0.05
20	0.03	0.09	0.04	0.01	0.09	0.01	0.00	0.08	0.02	0.03	0.06	0.03	0.04	0.09	0.05	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.09	0.04
21	0.03	0.09	0.04	0.01	0.09	0.01	0.00	0.09	0.03	0.02	0.08	0.03	0.04	0.09	0.05	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05
22	0.02	0.09	0.04	0.01	0.09	0.01	0.00	0.08	0.02	0.02	0.08	0.03	0.03	0.09	0.04	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.09	0.05
23	0.02	0.09	0.04	0.01	0.09	0.01	0.01	0.08	0.02	0.03	0.09	0.04	0.03	0.09	0.04	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.05	0.04
24	0.02	0.09	0.04	0.01	0.09	0.01	0.01	0.08	0.02	0.03	0.05	0.04	0.03	0.09	0.04	0.03	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05
25	0.02	0.09	0.04	0.01	0.08	0.02	0.01	0.09	0.02	0.03	0.09	0.04	0.03	0.09	0.04	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.09	0.04
26	0.02	0.08	0.03	0.01	0.08	0.01	0.01	0.08	0.03	0.03	0.09	0.04	0.03	0.07	0.04	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.09	0.04
27	0.02	0.08	0.04	0.01	0.09	0.01	0.01	0.08	0.02	0.03	0.09	0.04	0.03	0.09	0.04	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.08	0.04
28	0.02	0.10	0.04	0.01	0.09	0.01	0.01	0.08	0.03	0.03	0.09	0.04	0.03	0.09	0.04	0.04	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.06	0.03	0.09	0.04
29	0.02	0.06	0.03	0.01	0.09	0.02	0.01	0.08	0.02	0.03	0.09	0.04	0.03	0.09	0.05	0.05	0.09	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05
30	0.02	0.09	0.04	0.01	0.09	0.02	0.01	0.09	0.02	0.03	0.09	0.04	0.04	0.09	0.05	0.05	0.08	0.06	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.09	0.04
Monthly Min/Max/Avg	0.02	0.10	0.04	0.01	0.09	0.01	0.00	0.09	0.02	0.02	0.09	0.04	0.03	0.09	0.05	0.03	0.10	0.06	0.04	0.09	0.06	0.03	0.10	0.05	0.03	0.09	0.05

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

November 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	6	16	9	0.05	0.10	0.06	4	9	6	0.03	0.04	0.04
2	4	12	8	0.04	0.08	0.06	2	6	4	0.02	0.04	0.03
3	3	8	5	0.04	0.08	0.05	3	7	4	0.03	0.04	0.03
4	3	6	4	0.04	0.08	0.04	4	8	5	0.03	0.04	0.03
5	1	11	8	0.04	0.04	0.05	4	10	5	0.03	0.04	0.03
6	6	11	8	0.04	0.05	0.05	4	9	6	0.03	0.04	0.03
7	4	11	7	0.04	0.08	0.05	4	10	6	0.03	0.04	0.04
8	3	10	6	0.04	0.08	0.05	4	7	5	0.03	0.04	0.03
9	2	6	4	0.04	0.08	0.04	4	8	6	0.03	0.04	0.03
10	2	15	3	0.04	0.08	0.04	6	9	7	0.03	0.04	0.04
11	3	7	4	0.04	0.10	0.05	4	8	6	0.03	0.04	0.04
12	4	6	4	0.04	0.06	0.05	5	8	6	0.03	0.04	0.04
13	3	11	5	0.04	0.06	0.05	5	9	6	0.03	0.04	0.04
14	3	13	5	0.04	0.15	0.05	5	8	6	0.03	0.04	0.04
15	1	13	6	0.04	0.21	0.05	5	9	7	0.03	0.04	0.04
16	4	9	5	0.04	0.21	0.05	5	8	6	0.03	0.04	0.03
17	4	12	6	0.04	0.07	0.04	5	7	6	0.03	0.04	0.03
18	3	13	5	0.04	0.07	0.04	4	10	5	0.03	0.05	0.03
19	3	6	4	0.04	0.08	0.04	4	7	5	0.03	0.04	0.03
20	3	6	4	0.04	0.07	0.04	4	8	6	0.03	0.04	0.03
21	4	11	6	0.04	0.04	0.04	5	9	7	0.03	0.04	0.03
22	4	10	6	0.04	0.14	0.05	4	8	5	0.02	0.03	0.03
23	4	7	4	0.04	0.08	0.04	4	8	5	0.02	0.04	0.03
24	3	6	4	0.04	0.07	0.04	4	8	5	0.03	0.04	0.03
25	3	6	4	0.04	0.11	0.04	4	7	5	0.03	0.04	0.03
26	2	5	3	0.04	0.07	0.05	3	7	4	0.03	0.03	0.03
27	2	4	2	0.04	0.09	0.06	3	6	4	0.02	0.03	0.03
28	2	7	3	0.04	0.05	0.04	3	6	4	0.03	0.04	0.03
29	2	14	3	0.03	0.05	0.04	2	6	4	0.03	0.04	0.03
30	3	6	4	0.04	0.05	0.05	3	6	4	0.03	0.04	0.03
Monthly Min/Max/Avg	1	16	5	0.03	0.21	0.05	2	10	5	0.02	0.05	0.03

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

November 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	34.9	40.0	35.9	12.2	29.9	22.9	35.1	66.4	42.9	10.4	28.7	17.7	34.8	56.4	36.0	11.8	31.3	18.6	92.6	94.1	93.4
2	35.1	45.7	36.9	9.9	26.9	17.6	34.9	52.5	39.2	14.6	27.0	22.9	35.0	36.1	35.6	18.5	31.0	20.5	91.7	94.1	92.7
3	35.1	62.8	39.9	10.7	28.3	13.9	35.7	56.0	41.7	13.5	29.3	17.5	35.0	52.0	39.0	12.4	30.2	17.7	92.6	95.5	95.0
4	34.6	51.8	39.5	14.2	28.0	22.2	42.0	83.9	57.2	11.7	24.1	14.5	35.4	67.1	45.0	11.0	25.9	16.9	95.4	95.8	95.6
5	35.2	64.1	44.9	10.6	28.0	12.0	35.3	51.9	40.0	19.0	28.3	24.2	35.1	39.1	36.0	20.8	28.4	19.8	95.1	95.7	95.3
6	35.1	46.0	38.0	13.7	25.8	20.2	34.9	63.3	50.4	11.8	28.0	17.8	38.6	59.8	47.0	11.8	21.0	11.2	94.7	95.7	95.3
7	35.0	50.5	37.3	12.2	30.0	14.5	35.2	51.9	43.5	16.0	26.1	21.0	34.6	36.4	35.6	19.2	27.7	23.1	94.6	95.4	95.0
8	34.9	62.1	41.8	10.9	26.9	17.6	35.1	50.9	39.3	12.1	31.3	22.1	35.1	38.1	35.7	13.5	29.8	18.7	91.6	95.3	93.6
9	34.9	64.7	37.6	10.3	31.3	21.7	35.4	66.1	49.7	13.9	31.9	11.9	35.2	59.4	42.9	13.2	24.9	13.5	95.3	95.9	95.5
10	41.9	57.3	51.3	11.0	19.0	7.6	35.4	56.7	42.8	15.2	30.9	24.0	33.6	36.3	35.6	24.0	30.2	14.8	93.6	96.0	95.2
11	35.2	37.2	35.8	20.9	25.1	21.4	56.3	80.7	67.1	10.5	15.2	4.8	35.2	68.6	47.6	11.0	24.2	16.1	94.4	95.8	95.2
12	35.4	65.3	43.8	10.9	20.9	12.0	36.8	41.9	39.2	22.9	26.2	17.4	35.0	38.8	36.4	21.4	26.3	5.9	93.6	95.8	94.9
13	34.6	36.2	35.7	22.3	25.6	11.9	36.3	53.0	50.8	10.3	25.1	14.8	35.2	47.6	39.6	16.2	25.5	20.7	92.6	95.7	95.4
14	35.2	61.5	40.5	10.0	25.3	17.1	35.0	42.3	39.3	23.5	29.9	11.0	47.0	61.3	54.4	13.2	16.6	5.2	91.9	95.6	94.9
15	35.0	36.0	35.6	22.4	28.4	7.2	39.2	91.9	48.4	10.0	30.9	19.9	35.2	43.4	37.0	17.7	26.4	22.0	91.9	95.5	95.1
16	35.0	54.0	38.9	13.6	27.4	21.5	36.1	46.5	40.9	21.4	27.3	5.4	35.4	87.1	45.4	11.7	25.7	10.5	95.1	95.6	95.2
17	35.3	57.5	52.1	12.5	27.8	1.9	37.0	56.0	44.4	17.1	25.2	21.8	34.2	44.8	38.2	17.2	25.3	21.4	92.0	95.6	94.7
18	34.8	51.4	39.0	17.7	27.8	23.3	55.6	70.4	55.6	13.1	17.4	4.4	44.5	67.0	53.9	11.1	17.6	10.0	95.4	96.1	95.6
19	51.3	66.5	58.1	12.5	17.7	7.1	39.1	52.5	42.8	19.7	27.8	6.9	35.2	41.3	37.1	20.7	25.7	19.1	95.7	96.1	95.9
20	35.4	39.9	37.7	22.0	25.0	17.6	40.0	56.4	46.2	16.5	26.9	21.7	40.9	52.1	45.0	14.3	20.7	9.4	95.5	96.0	95.7
21	38.1	52.8	43.5	13.3	22.3	12.9	35.1	64.7	53.9	11.0	28.0	11.7	35.1	36.7	35.6	21.7	26.3	14.4	94.0	95.6	94.9
22	35.1	41.9	36.4	21.2	27.2	18.4	35.4	56.7	40.6	17.1	27.4	22.4	35.0	44.0	42.1	13.0	22.3	15.7	92.2	95.9	94.0
23	41.1	55.4	49.1	11.7	21.5	13.7	35.5	60.0	54.9	12.2	27.3	10.9	35.3	37.6	36.4	20.7	24.5	6.8	95.4	95.9	95.5
24	35.1	36.0	35.6	24.2	27.6	12.5	35.4	48.9	39.2	18.9	26.9	23.4	35.0	45.7	37.4	16.5	24.3	20.9	93.3	95.5	94.8
25	35.1	57.2	40.1	14.1	25.0	19.9	47.7	65.1	52.5	12.1	19.3	11.3	35.2	87.1	45.8	14.1	26.2	4.5	94.6	95.5	95.0
26	56.9	64.5	60.7	12.5	14.2	1.4	35.4	40.6	35.8	24.3	30.4	15.1	34.9	38.8	35.9	20.2	26.0	23.3	95.1	95.7	95.6
27	35.1	43.3	36.8	19.7	31.7	22.8	36.5	73.8	50.1	12.4	27.0	19.4	38.6	55.7	47.2	13.9	20.3	6.1	95.1	95.9	95.4
28	43.0	68.4	54.3	11.9	19.8	5.6	35.6	81.0	44.4	11.1	27.0	11.8	34.9	42.4	37.9	18.3	29.3	22.4	95.3	96.0	95.7
29	35.2	41.0	37.4	19.6	26.4	22.2	38.5	56.2	48.5	15.7	25.6	19.9	41.2	61.2	53.8	11.9	18.9	10.4	95.5	95.9	95.7
30	39.1	57.7	46.8	12.7	20.1	11.3	44.2	71.7	60.0	11.7	21.6	8.7	35.1	45.0	37.5	17.3	22.8	19.4	95.2	95.7	95.3
Monthly Total						452.0						476.2						458.9			
Monthly Min/Max/ Avg	34.6	68.4	42.0	9.9	31.7		34.9	91.9	46.7	10.0	31.9		33.6	87.1	41.1	11.0	31.3		91.6	96.1	95.0

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

November 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	31.8	58.9	39.4	10.5	31.6	18.3	35.1	59.2	40.4	10.0	26.0	14.9	35.3	62.4	41.2	10.2	29.3	18.3	92.6	94.1	93.4
2	33.0	57.4	39.0	11.5	30.8	17.4	35.1	49.7	38.0	14.1	26.1	20.7	35.3	54.0	39.1	13.0	28.0	22.7	91.7	94.1	92.7
3	35.0	62.6	43.9	14.0	29.9	21.6	35.3	55.1	41.3	11.0	29.4	20.0	35.4	54.3	38.7	12.8	33.7	22.1	92.6	95.5	95.0
4	34.7	62.4	40.8	13.5	29.9	21.9	35.3	56.3	42.0	14.5	26.6	21.5	33.8	73.4	51.6	11.6	29.5	12.5	95.4	95.8	95.6
5	39.2	56.3	53.8	10.4	19.3	4.9	35.0	68.6	56.1	10.3	26.6	6.3	35.6	56.6	40.2	15.8	29.2	22.9	95.1	95.7	95.3
6	35.1	43.1	37.8	18.5	26.7	20.2	35.3	48.2	40.5	14.2	26.1	20.2	35.1	60.0	40.1	19.3	30.0	22.2	94.7	95.7	95.3
7	39.3	59.4	48.5	13.6	19.0	8.4	35.2	63.7	45.0	11.0	29.0	12.6	34.7	71.6	48.5	11.4	32.6	15.8	94.6	95.4	95.0
8	33.7	50.6	38.2	16.5	29.2	22.0	34.8	73.2	43.3	10.3	25.6	16.3	35.3	58.9	40.5	14.3	32.7	23.1	91.6	95.3	93.6
9	33.0	70.5	46.2	10.2	29.8	12.2	35.3	59.3	41.8	14.8	28.2	21.4	34.7	71.2	43.9	11.4	30.7	18.2	95.3	95.9	95.5
10	35.6	89.1	47.7	10.5	26.9	19.0	35.4	60.5	39.1	14.6	29.0	2.6	37.1	81.3	51.5	10.9	26.8	16.3	93.6	96.0	95.2
11	35.6	42.9	40.1	21.3	25.8	6.6	35.2	54.8	41.3	15.7	28.7	21.7	35.6	35.9	35.7	26.4	26.6	0.2	94.4	95.8	95.2
12	35.4	57.0	42.6	15.2	25.5	20.1	53.8	67.7	59.7	10.8	15.9	4.4	34.8	44.0	37.9	21.0	27.1	24.3	93.6	95.8	94.9
13	43.7	55.0	55.0	10.4	17.6	3.7	35.2	48.4	40.6	17.9	24.7	20.1	37.4	53.0	53.2	11.2	22.8	9.5	92.6	95.7	95.4
14	35.1	42.9	37.6	18.0	26.2	23.0	47.2	67.3	54.9	11.5	18.0	6.9	35.3	37.5	35.7	22.5	34.0	19.3	91.9	95.6	94.9
15	38.7	70.6	52.8	11.9	20.4	6.7	35.3	40.9	37.9	20.8	27.2	13.5	43.9	63.4	50.3	13.1	25.2	11.8	91.9	95.5	95.1
16	35.1	44.0	37.8	20.5	28.8	14.3	40.2	68.1	48.9	11.4	20.8	13.0	33.7	38.9	36.6	24.2	30.0	8.9	95.1	95.6	95.2
17	39.8	65.6	45.7	13.0	21.4	12.5	33.2	48.9	40.8	17.7	25.2	19.2	35.4	57.4	43.0	15.6	28.0	21.4	92.0	95.6	94.7
18	41.7	46.6	43.9	20.8	22.2	6.4	36.8	67.3	55.7	11.8	26.0	8.4	34.1	62.4	39.8	14.3	26.7	13.7	95.4	96.1	95.6
19	40.5	58.4	47.3	15.9	23.8	20.1	37.1	56.3	43.8	16.1	25.6	21.3	43.1	67.7	50.3	14.1	23.2	19.5	95.7	96.1	95.9
20	35.6	74.1	48.2	12.5	26.6	12.9	56.1	75.2	63.8	10.6	16.1	6.6	67.0	75.0	71.2	12.4	14.1	0.9	95.5	96.0	95.7
21	37.3	48.8	41.4	13.5	23.6	19.4	35.2	36.3	35.6	22.9	26.7	9.3	33.5	37.3	35.8	19.1	29.4	24.0	94.0	95.6	94.9
22	36.8	48.8	43.8	11.6	25.8	5.0	35.2	48.6	44.9	12.7	23.6	17.6	36.3	52.3	47.1	11.5	19.4	8.8	92.2	95.9	94.0
23	36.3	52.4	41.9	16.3	25.2	21.5	66.8	69.6	68.7	11.1	12.8	2.4	35.5	38.9	36.7	23.6	27.5	14.1	95.4	95.9	95.5
24	51.0	64.3	54.7	10.7	16.5	7.9	35.3	44.2	37.1	19.6	26.0	17.5	36.5	60.7	43.6	14.3	25.2	20.1	93.3	95.5	94.8
25	35.1	46.8	38.9	19.1	22.8	14.5	42.0	77.0	52.7	10.4	20.2	15.1	58.5	73.2	61.4	11.2	14.7	2.5	94.6	95.5	95.0
26	42.2	58.5	48.9	14.4	21.2	18.2	35.4	76.9	56.2	10.4	29.5	1.6	35.0	42.0	36.5	21.9	29.4	24.5	95.1	95.7	95.6
27	35.2	72.2	53.7	11.6	30.4	15.7	35.4	56.3	41.7	15.1	29.1	22.0	42.0	69.0	55.5	12.1	21.9	9.6	95.1	95.9	95.4
28	35.9	61.6	50.5	10.1	25.8	13.1	38.1	74.7	52.2	11.1	23.1	10.4	35.4	45.3	39.6	20.6	31.2	18.6	95.3	96.0	95.7
29	35.1	44.3	38.4	21.4	25.6	10.4	39.9	57.8	46.6	14.3	22.3	18.9	39.6	69.6	53.0	11.6	23.9	16.2	95.5	95.9	95.7
30	36.9	60.9	45.4	14.5	22.6	18.8	36.1	73.9	44.1	10.4	23.6	13.2	35.7	46.8	40.5	19.7	25.0	18.5	95.2	95.7	95.3
Monthly Total						436.3						419.7						480.4			
Monthly Min/Max/ Avg	31.8	89.1	44.8	10.1	31.6		33.2	77.0	46.5	10.0	29.5		33.5	81.3	44.6	10.2	34.0		91.6	96.1	95.0

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

November 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	33.0	43.9	35.7	12.4	34.6	23.8	35.2	43.7	36.3	14.4	34.4	19.9	25.6	36.2	35.4	19.3	32.5	26.0	92.6	94.1	93.4
2	32.9	53.0	37.1	11.4	31.9	19.4	35.1	43.0	36.7	15.3	27.7	23.0	34.8	45.5	36.6	13.0	30.4	20.0	91.7	94.1	92.7
3	32.9	51.3	40.2	15.4	31.1	22.6	35.4	52.9	38.0	13.1	29.4	18.4	34.8	58.3	44.2	15.3	26.6	20.8	92.6	95.5	95.0
4	35.0	60.1	39.4	12.7	36.4	18.2	35.4	58.8	43.1	13.3	25.1	20.0	35.1	66.0	46.6	10.7	30.7	10.9	95.4	95.8	95.6
5	35.5	59.1	42.0	13.3	29.5	18.7	35.4	62.6	37.9	20.4	33.6	20.5	35.2	54.1	40.1	17.6	28.7	23.7	95.1	95.7	95.3
6	35.1	36.1	35.6	24.6	30.1	14.7	35.4	57.9	41.8	11.0	25.1	17.5	34.9	59.9	53.5	12.1	29.9	9.1	94.7	95.7	95.3
7	34.1	45.8	39.1	15.3	25.5	20.0	35.2	36.2	35.7	24.7	30.0	19.7	35.0	42.4	37.4	19.9	29.6	25.0	94.6	95.4	95.0
8	32.6	51.6	36.6	11.2	30.7	20.5	35.2	54.9	37.8	13.2	33.6	18.4	34.6	52.4	40.4	12.7	33.7	18.1	91.6	95.3	93.6
9	36.8	69.4	48.6	11.7	21.3	16.7	35.3	47.7	37.2	17.8	33.2	26.0	35.0	63.4	43.5	15.4	31.5	23.5	95.3	95.9	95.5
10	34.8	36.3	35.6	23.8	33.4	23.6	46.9	54.9	54.8	10.9	18.0	9.6	34.7	82.2	47.5	11.9	33.5	13.5	93.6	96.0	95.2
11	35.2	63.7	45.2	11.7	23.9	13.1	35.3	36.0	35.7	24.3	28.6	16.7	35.2	54.5	42.2	17.9	31.4	23.0	94.4	95.8	95.2
12	34.9	36.1	35.6	24.7	29.2	12.2	35.4	51.5	39.6	15.3	26.1	20.8	53.5	64.1	59.2	12.0	17.9	6.9	93.6	95.8	94.9
13	35.3	47.9	39.9	16.7	26.8	21.2	35.3	38.4	38.4	10.2	30.1	9.8	36.8	45.4	40.7	21.9	26.3	18.4	92.6	95.7	95.4
14	35.3	55.5	40.7	13.8	31.8	4.6	35.2	42.6	36.7	16.6	29.8	24.3	37.9	58.0	46.3	14.1	25.4	19.8	91.9	95.6	94.9
15	35.4	41.7	36.6	18.9	33.4	23.7	34.6	93.9	44.1	10.9	29.0	5.0	36.1	45.4	39.2	20.8	27.5	18.5	91.9	95.5	95.1
16	41.6	71.3	46.0	9.7	19.0	11.5	34.8	40.9	36.1	20.4	30.3	26.3	38.6	66.0	46.3	13.8	23.9	18.6	95.1	95.6	95.2
17	35.3	38.0	36.5	21.9	24.8	12.4	39.7	46.0	43.1	16.0	20.8	8.5	35.4	40.2	36.7	25.1	29.1	9.1	92.0	95.6	94.7
18	34.2	52.9	40.8	15.9	22.7	20.0	34.6	39.6	36.0	22.8	30.1	21.1	36.9	58.9	43.9	16.8	27.1	22.4	95.4	96.1	95.6
19	35.6	53.6	51.1	15.6	25.6	4.0	39.5	56.4	45.0	14.9	22.9	15.1	34.9	59.8	38.1	16.3	29.4	15.3	95.7	96.1	95.9
20	32.0	39.2	35.8	22.0	28.9	25.3	35.3	36.1	35.7	25.0	30.4	14.6	38.5	55.2	45.2	17.0	26.6	21.5	95.5	96.0	95.7
21	35.1	51.4	43.2	11.4	22.2	15.5	35.3	41.0	37.1	15.4	25.5	21.1	52.7	59.3	55.4	15.2	17.4	1.3	94.0	95.6	94.9
22	34.3	36.6	35.7	26.0	28.6	12.4	39.0	49.9	44.1	12.6	16.1	14.1	34.6	44.2	36.8	22.5	30.1	24.6	92.2	95.9	94.0
23	33.8	48.6	38.7	16.0	26.4	21.4	35.2	36.1	35.7	22.9	29.8	22.0	39.8	56.5	49.8	12.2	25.1	17.2	95.4	95.9	95.5
24	44.0	58.4	48.8	12.2	16.0	4.4	35.4	53.0	40.2	14.2	23.0	17.4	35.3	36.3	35.7	26.2	30.0	5.1	93.3	95.5	94.8
25	34.0	37.0	35.7	22.4	29.5	23.7	34.5	36.1	35.7	25.3	30.1	9.9	35.0	45.6	37.0	20.6	29.6	25.4	94.6	95.5	95.0
26	35.6	51.9	43.0	14.5	22.5	18.4	35.2	41.3	36.7	19.7	27.7	23.7	44.9	56.5	50.7	16.2	20.8	9.5	95.1	95.7	95.6
27	35.2	55.0	45.1	13.9	33.1	9.3	41.1	68.3	54.7	10.9	19.9	11.9	34.7	39.5	35.7	26.0	33.9	21.1	95.1	95.9	95.4
28	35.3	54.9	39.6	15.2	31.9	22.5	35.3	41.0	36.5	21.5	29.5	17.4	35.3	69.4	52.0	12.9	27.8	16.9	95.3	96.0	95.7
29	38.2	62.0	52.9	12.7	20.5	6.9	35.4	50.3	42.3	15.6	24.1	20.0	36.5	40.6	38.8	23.5	26.1	5.8	95.5	95.9	95.7
30	34.1	41.3	37.0	19.2	23.7	20.8	35.4	69.6	45.3	10.6	25.7	14.9	37.1	50.5	41.5	18.5	24.2	21.9	95.2	95.7	95.3
Monthly Total						501.6						527.9						512.9			
Monthly Min/Max/ Avg	32.0	71.3	40.6	9.7	36.4		34.5	93.9	39.9	10.2	34.4		25.6	82.2	43.2	10.7	33.9		91.6	96.1	95.0

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

November 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	48.5	87.3	66.7	53.1	75.9	68.6	54.0	88.3	69.5	50.0	69.6	62.9	50.8	82.7	64.3	51.6	72.0	65.7	46.9	47.3	47.1	50.3	59.3	55.5	92.2	93.8	93.0
2	50.6	88.1	64.0	53.7	75.2	70.4	51.1	91.9	65.1	49.8	70.0	64.7	47.7	92.5	64.6	51.3	72.5	67.7	46.9	47.4	47.1	46.0	60.2	57.1	92.2	95.0	94.3
3	58.7	69.9	63.1	54.8	73.6	64.7	58.5	71.0	64.1	50.0	65.7	59.6	53.2	64.3	57.4	53.2	69.6	62.0	46.6	47.3	47.1	45.7	55.9	52.4	95.0	95.5	95.3
4	54.5	75.2	64.8	57.1	72.7	63.2	51.5	118.9	64.5	51.6	87.1	62.9	49.6	125.4	58.4	53.9	82.6	64.2	46.0	47.4	47.2	50.5	78.7	57.2	95.0	95.8	95.3
5	54.2	74.9	61.6	50.5	87.7	66.2	53.2	73.6	61.3	45.8	84.6	60.9	54.7	71.9	60.6	47.6	79.6	62.7	46.9	48.4	47.7	31.0	56.2	47.5	94.9	95.5	95.2
6	54.1	71.3	59.4	51.4	72.8	63.3	53.9	71.0	59.2	47.4	66.6	58.1	51.0	65.7	58.7	49.6	68.6	60.0	47.9	48.3	48.2	39.8	52.0	47.1	94.5	95.3	95.0
7	47.5	77.6	63.8	51.7	77.5	66.3	47.9	73.7	62.3	48.2	71.6	60.8	44.6	77.0	62.4	49.3	72.1	62.5	47.9	48.5	48.2	40.4	51.7	47.8	92.4	95.1	94.1
8	51.9	89.7	62.3	57.7	80.3	69.7	51.0	88.5	62.4	54.1	74.1	63.9	52.1	88.9	63.8	55.3	74.5	65.5	47.8	48.4	48.2	42.4	52.9	48.3	92.4	95.1	94.3
9	51.9	68.1	59.7	56.4	76.3	68.0	50.7	67.1	59.1	52.5	71.0	62.4	49.0	62.0	56.8	51.4	71.4	63.7	48.2	48.3	48.3	42.2	51.0	47.1	94.5	95.5	95.1
10	49.7	59.6	53.9	64.4	78.4	71.8	49.1	59.5	53.4	57.8	72.5	65.8	48.4	55.1	51.7	60.7	74.2	67.7	48.1	48.7	48.3	45.1	52.7	49.7	94.6	95.1	94.8
11	53.2	68.8	59.0	58.7	77.6	68.4	52.7	70.5	58.5	54.4	70.9	62.6	50.3	65.9	56.9	55.5	72.5	64.3	48.0	48.4	48.2	42.3	52.5	47.4	94.6	95.6	95.1
12	55.0	65.4	60.2	59.0	73.0	66.5	54.7	65.6	59.6	54.1	66.8	61.0	52.9	63.4	58.4	55.8	68.2	62.6	48.0	48.4	48.2	42.0	49.2	46.0	94.7	95.5	95.1
13	53.6	64.9	59.2	59.0	78.4	70.0	51.7	64.0	58.4	54.0	71.3	64.1	50.8	60.4	56.6	55.8	72.6	65.5	48.0	48.4	48.2	42.5	52.4	48.3	94.9	95.5	95.2
14	53.1	61.0	57.6	59.1	79.7	72.2	52.8	60.2	56.4	54.1	72.3	66.2	50.1	58.6	54.9	57.1	74.2	68.0	48.1	48.3	48.2	42.5	52.8	49.9	94.8	95.5	95.2
15	51.0	61.1	56.2	63.6	78.3	72.0	49.9	60.5	55.5	58.7	71.7	65.9	49.8	58.1	53.5	61.0	73.5	67.8	48.1	48.4	48.2	46.1	52.3	49.8	94.2	95.1	94.9
16	52.4	60.4	56.9	63.1	78.1	72.3	52.3	59.6	56.0	59.2	72.0	66.2	51.0	62.3	54.7	60.9	73.1	68.0	48.1	48.5	48.3	46.3	52.3	50.0	94.2	95.3	95.1
17	53.8	64.0	59.6	62.2	78.2	72.3	53.6	63.6	58.4	56.9	72.5	66.2	53.0	60.5	56.1	59.1	73.7	68.0	48.0	48.4	48.2	45.1	52.3	50.0	94.7	95.5	95.2
18	57.4	69.4	61.4	63.3	104.3	73.0	54.5	68.3	59.5	59.3	74.6	66.3	54.4	100.4	60.1	59.2	88.9	68.7	48.1	48.4	48.2	44.9	53.1	50.4	95.2	95.8	95.5
19	56.9	67.1	60.8	64.6	87.6	76.0	52.0	64.4	56.7	59.0	79.3	69.7	53.1	64.2	57.2	59.8	81.6	71.7	48.0	48.4	48.2	46.6	57.1	52.6	95.5	95.8	95.7
20	54.1	64.2	58.0	69.4	83.8	77.8	49.6	60.1	53.9	63.9	76.7	71.4	50.5	60.7	54.4	65.8	78.2	73.2	48.1	48.4	48.3	49.4	56.3	53.8	95.2	95.6	95.5
21	45.8	83.7	68.2	69.3	83.5	77.6	47.5	81.5	65.7	62.7	76.8	71.1	48.9	85.2	67.8	65.2	78.0	73.0	47.9	48.4	48.2	50.4	56.0	53.5	93.5	95.2	94.4
22	47.9	85.0	58.4	68.8	83.5	77.5	47.2	89.0	63.1	62.3	78.0	71.2	51.6	93.9	66.5	63.8	78.1	73.1	48.1	48.5	48.2	47.7	55.7	53.6	94.2	95.8	95.1
23	53.3	59.7	56.8	68.6	84.2	78.4	44.9	87.6	60.7	62.6	76.9	71.8	48.4	60.3	53.3	65.1	78.4	73.6	48.1	48.4	48.2	49.1	56.0	54.1	95.3	95.6	95.4
24	50.2	62.1	56.0	64.7	84.3	75.6	46.5	92.4	69.0	59.2	77.1	69.3	47.4	57.1	52.5	61.7	78.8	71.2	48.1	48.5	48.2	49.3	56.2	52.2	94.7	95.4	95.2
25	49.4	65.7	57.9	64.4	78.7	73.0	47.2	93.3	65.5	59.4	71.6	67.0	44.9	59.5	54.0	60.9	73.3	68.9	48.1	48.4	48.2	45.9	52.9	50.5	94.4	95.7	95.1
26	51.7	65.2	58.6	64.2	78.0	73.2	48.8	60.2	54.0	58.7	71.9	67.0	49.5	60.4	55.0	61.1	74.2	68.9	48.0	48.4	48.3	47.7	52.7	50.6	95.2	95.7	95.4
27	50.8	68.9	59.0	61.2	79.6	72.8	47.7	61.8	55.6	56.5	73.7	66.7	48.1	62.8	55.4	58.6	75.2	68.4	48.1	48.4	48.2	44.7	52.9	50.3	94.8	95.6	95.2
28	55.7	69.4	61.8	64.5	78.6	73.0	52.0	65.4	57.1	59.2	71.9	66.9	51.9	64.1	56.7	61.1	73.9	68.7	48.1	48.4	48.3	46.2	52.2	50.4	95.2	95.9	95.5
29	55.2	65.5	59.2	64.2	78.3	72.9	51.2	59.3	55.2	58.4	71.7	66.9	50.7	58.7	54.8	60.7	73.6	68.7	48.1	48.4	48.3	47.6	52.5	50.4	95.0	95.9	95.3
30	52.1	65.5	58.0	66.0	83.1	75.0	47.7	61.7	54.3	59.8	76.2	68.8	48.3	60.6	54.1	61.7	77.5	70.6	48.1	48.4	48.2	48.1	55.6	51.8	94.8	95.6	95.3
Monthly Total						2,142.2						1,968.1						2,024.4						1,525.6			
Monthly Min/Max/ Avg	45.8	89.7	60.1	50.5	104.3		44.9	118.9	59.8	45.8	87.1		44.6	125.4	57.7	47.6	88.9		46.0	48.7	48.1	31.0	78.7		92.2	95.9	95.0

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

November 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	7.5	7.6	7.6	15	16	15	6.4	6.5	6.5	6.7	6.8	6.7	7.2	11	8.9	6.5	6.5	6.5
2	7.5	7.7	7.6	14	17	16	6.5	6.5	6.5	6.7	6.8	6.7	6.7	11	8.8	6.5	6.5	6.5
3	7.5	7.7	7.6	15	17	16	6.5	6.5	6.5	6.7	6.7	6.7	7.2	10	8.2	6.5	6.5	6.5
4	7.5	7.8	7.7	13	16	14	6.5	6.5	6.5	6.7	6.7	6.7	6.9	9.4	8.0	6.5	6.5	6.5
5	7.5	8.0	7.7	13	15	14	6.5	6.5	6.5	6.6	6.7	6.7	6.3	8.9	7.4	6.5	6.5	6.5
6	7.1	7.7	7.6	13	14	14	6.0	6.5	6.5	6.6	6.7	6.7	6.1	7.6	6.9	6.5	6.5	6.5
7	7.5	7.7	7.7	13	14	13	6.5	6.5	6.5	6.6	6.7	6.7	6.5	7.9	7.0	6.5	6.5	6.5
8	7.4	7.7	7.5	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.4	9.3	7.7	6.5	6.5	6.5
9	7.5	7.7	7.6	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	7.0	9.3	8.1	6.5	6.5	6.5
10	7.3	8.1	7.8	13	14	13	6.5	6.5	6.5	6.6	6.7	6.7	6.6	8.3	7.6	6.5	6.5	6.5
11	7.9	8.1	8.0	13	16	15	6.5	6.5	6.5	6.7	6.7	6.7	7.6	9.8	8.4	6.5	6.5	6.5
12	7.9	8.2	8.1	14	15	15	6.5	6.5	6.5	6.7	6.7	6.7	7.0	9.8	7.9	6.5	6.5	6.5
13	7.8	8.0	7.9	14	15	14	6.5	6.5	6.5	6.7	6.8	6.7	6.8	11	8.0	6.5	6.5	6.5
14	7.7	8.0	7.9	13	14	14	6.5	6.5	6.5	6.6	6.7	6.7	6.4	8.0	7.2	6.5	6.5	6.5
15	7.7	8.1	7.9	13	14	14	6.5	6.5	6.5	6.6	6.7	6.7	6.4	7.7	6.9	6.5	6.5	6.5
16	7.7	7.8	7.7	13	15	13	6.5	6.5	6.5	6.7	6.7	6.7	6.7	8.1	7.2	6.5	6.5	6.5
17	7.7	7.9	7.8	13	15	14	6.5	6.5	6.5	6.6	6.7	6.7	6.0	7.6	7.0	6.5	6.5	6.5
18	7.7	7.9	7.8	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.0	7.8	6.7	6.5	6.5	6.5
19	7.7	7.8	7.7	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	5.9	7.4	6.6	6.5	6.5	6.5
20	7.6	7.9	7.7	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.1	7.1	6.7	6.5	6.5	6.5
21	7.5	7.8	7.7	12	14	13	6.5	6.5	6.5	6.6	6.7	6.7	6.0	6.9	6.4	6.5	6.5	6.5
22	7.5	7.8	7.6	12	13	12	6.5	6.5	6.5	6.7	6.7	6.7	6.0	7.5	6.6	6.5	6.5	6.5
23	7.5	8.0	7.7	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	5.9	7.0	6.4	6.5	6.5	6.5
24	7.6	7.9	7.7	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.0	7.5	6.7	6.5	6.5	6.5
25	7.2	7.8	7.5	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.6	7.9	7.2	6.5	6.5	6.5
26	7.3	7.6	7.5	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.2	7.4	6.8	6.5	6.5	6.5
27	7.4	7.9	7.7	12	13	12	6.5	6.5	6.5	6.6	6.7	6.7	5.6	7.6	6.6	6.5	6.5	6.5
28	7.4	7.7	7.5	12	13	13	6.5	6.5	6.5	6.7	6.7	6.5	5.6	7.4	6.6	6.5	6.5	6.4
29	7.4	7.6	7.5	13	14	14	6.5	6.5	6.5	6.7	6.7	6.7	6.4	7.3	6.9	6.5	6.5	6.5
30	7.3	7.6	7.5	13	15	14	6.5	6.5	6.5	6.7	6.7	6.7	6.3	7.9	6.9	6.5	6.5	6.5
Monthly Min/Max/Avg	7.1	8.2	7.7	12	17	14	6.0	6.5	6.5	6.6	6.8	6.7	5.6	11	7.3	6.5	6.5	6.5

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

November 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	8.00	8.00	8.30	1,561	1,558	3,119	4,812
2	8.03	8.00	8.04	1,582	1,576	3,158	4,706
3	7.99	8.00	6.67	1,483	1,485	2,968	3,585
4	7.39	7.36	6.30	1,252	1,248	2,500	3,382
5	6.00	6.00	6.15	907	1,057	1,964	3,307
6	5.71	5.72	6.38	824	1,061	1,885	3,320
7	7.14	7.11	7.36	1,141	1,320	2,461	4,037
8	7.99	8.00	6.26	1,565	1,484	3,049	3,483
9	7.99	8.01	5.33	1,621	1,178	2,799	2,903
10	7.69	2.58	5.14	2,138	5	2,143	2,977
11	5.97	--	5.15	1,580	--	1,580	2,840
12	6.00	--	5.15	1,572	--	1,572	2,767
13	5.99	--	5.14	1,666	--	1,666	2,884
14	6.00	--	5.14	1,670	--	1,670	2,973
15	6.00	--	5.14	1,660	--	1,660	2,974
16	6.00	--	5.14	1,670	--	1,670	2,972
17	6.00	--	5.14	1,667	--	1,667	2,973
18	5.99	--	5.14	1,664	--	1,664	2,974
19	5.86	--	5.14	1,626	--	1,626	3,109
20	4.99	--	5.13	1,386	--	1,386	3,180
21	5.00	--	5.52	1,388	--	1,388	3,419
22	5.00	--	5.13	1,388	--	1,388	3,179
23	4.99	--	5.13	1,385	--	1,385	3,182
24	4.98	--	5.14	1,384	--	1,384	3,077
25	5.43	6.03	5.14	1,472	331	1,803	2,975
26	6.07	5.99	5.14	773	1,118	1,892	2,975
27	6.00	6.00	5.14	694	1,162	1,855	2,971
28	5.50	5.46	5.14	624	1,070	1,694	2,974
29	4.99	5.00	5.14	568	989	1,557	2,977
30	5.03	4.98	5.14	378	1,293	1,670	3,066
Monthly Total				40,291	17,934	58,226	96,956
Monthly Avg	6.19	6.39	5.64	1,343	1,121	1,941	3,232

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

November 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	0.10	0.10	--	9	9	19	--
2	0.10	0.10	--	10	10	19	--
3	0.10	0.10	--	9	9	18	--
4	0.10	0.10	--	8	8	16	--
5	0.10	0.10	--	7	9	16	0
6	0.10	0.10	--	7	9	16	--
7	0.10	0.10	--	8	9	17	--
8	0.10	0.10	--	10	9	19	--
9	0.10	0.10	--	10	7	17	--
10	0.10	0.03	--	13	0	14	--
11	0.10	--	--	13	0	13	--
12	0.10	--	--	13	0	13	--
13	0.10	--	--	14	0	14	--
14	0.10	--	--	14	0	14	--
15	0.10	--	--	13	0	13	--
16	0.10	--	--	14	0	14	--
17	0.10	--	--	13	0	13	--
18	0.10	--	--	13	0	13	--
19	0.10	--	--	13	0	13	--
20	0.10	--	--	13	0	13	--
21	0.10	--	--	13	0	13	--
22	0.10	--	--	13	0	13	--
23	0.10	--	--	13	0	13	--
24	0.10	--	--	13	0	13	--
25	0.10	0.10	--	13	3	16	--
26	0.10	0.10	--	6	9	15	--
27	0.10	0.10	--	6	9	15	--
28	0.10	0.10	--	6	10	15	--
29	0.10	0.10	--	6	10	15	--
30	0.10	0.10	--	4	13	16	--
Monthly Total				318	132	450	--
Monthly Avg	0.10	0.10	--	11	4	15	--

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

November 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	--	--	--	--	--	--	--
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

November 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	2.88	2.88	34,131	34,032	72,947	3.43	126,927
2	2.85	2.85	34,066	34,065	72,949	3.19	119,032
3	2.71	2.77	30,474	31,164	64,400	3.16	108,467
4	2.56	2.57	26,341	26,347	55,620	3.17	108,574
5	2.55	2.55	23,350	27,249	54,617	2.88	98,864
6	2.55	2.55	22,312	28,687	54,876	2.83	93,824
7	2.59	2.59	25,117	29,119	59,927	3.03	106,175
8	2.74	2.72	32,587	30,620	68,141	3.06	108,549
9	2.70	2.66	33,193	23,720	59,978	2.93	101,912
10	2.70	0.64	45,543	76	48,136	2.95	109,048
11	2.64	--	42,410	--	44,692	2.99	105,249
12	2.57	--	40,815	--	44,070	3.05	104,683
13	2.50	--	42,185	--	45,291	2.98	106,504
14	2.60	--	43,897	--	47,662	2.98	110,163
15	2.69	--	45,135	--	48,281	3.03	111,930
16	2.62	--	44,211	--	46,061	2.97	109,401
17	2.55	--	43,042	--	45,236	2.95	109,016
18	2.58	--	43,478	--	46,463	2.98	110,141
19	2.59	--	43,506	--	46,097	2.92	112,925
20	2.58	--	43,489	--	46,413	2.90	114,453
21	2.56	--	43,142	--	45,645	3.05	120,662
22	2.69	--	45,272	--	48,815	2.98	117,684
23	2.76	--	46,479	--	50,055	2.90	114,512
24	2.89	--	48,745	--	52,161	2.84	108,417
25	2.80	0.00	45,984	2	48,363	2.78	102,613
26	2.53	2.38	19,523	26,885	48,327	2.80	103,376
27	2.52	2.53	17,643	29,703	50,826	2.82	103,904
28	2.66	2.64	18,257	31,326	53,137	2.85	105,143
29	2.52	2.35	17,417	28,145	47,544	2.81	103,954
30	2.58	2.48	11,737	39,008	54,193	2.84	108,210
Monthly Total			1,053,481	420,147	1,570,924		3,264,314
Monthly Avg	2.64	2.32	35,116	26,259	52,364	2.97	108,810

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

November 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.39	0.71	70	201
2	0.39	0.70	71	199
3	0.39	0.68	67	177
4	0.39	0.59	61	153
5	0.39	0.60	59	157
6	0.39	0.60	59	151
7	0.39	0.65	62	174
8	0.39	0.63	68	170
9	0.39	0.52	64	137
10	0.39	0.53	51	148
11	0.39	0.60	48	161
12	0.39	0.59	48	155
13	0.39	0.55	50	150
14	0.39	0.55	51	154
15	0.39	0.55	50	154
16	0.39	0.55	50	154
17	0.39	0.55	50	154
18	0.39	0.55	50	154
19	0.39	0.55	50	162
20	0.39	0.55	50	165
21	0.39	0.57	50	171
22	0.39	0.55	50	165
23	0.39	0.55	50	165
24	0.39	0.55	50	160
25	0.39	0.55	49	154
26	0.39	0.55	53	154
27	0.39	0.55	53	154
28	0.39	0.55	54	154
29	0.39	0.55	51	155
30	0.39	0.55	57	159
Monthly Total			1,647	4,822
Monthly Avg	0.39	0.58	55	161

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

November 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	--
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
November 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.57	0.57	1,049	1,480
2	0.57	0.57	1,072	1,522
3	0.57	0.57	1,015	1,398
4	0.57	0.57	924	1,401
5	0.57	0.57	888	1,386
6	0.57	0.58	892	1,339
7	0.57	0.57	932	1,391
8	0.57	0.57	1,028	1,448
9	0.57	0.57	961	1,410
10	0.57	0.57	763	1,493
11	0.57	0.57	719	1,420
12	0.57	0.57	721	1,382
13	0.57	0.57	757	1,449
14	0.57	0.57	764	1,497
15	0.57	0.57	748	1,496
16	0.57	0.57	756	1,499
17	0.57	0.57	747	1,499
18	0.57	0.57	755	1,510
19	0.57	0.57	748	1,579
20	0.57	0.57	760	1,616
21	0.57	0.57	753	1,611
22	0.57	0.57	751	1,611
23	0.57	0.57	757	1,625
24	0.57	0.57	751	1,570
25	0.57	0.57	738	1,518
26	0.57	0.57	790	1,520
27	0.57	0.57	803	1,512
28	0.57	0.57	808	1,517
29	0.57	0.57	761	1,514
30	0.57	0.57	857	1,557
Monthly Total			24,769	44,765
Monthly Avg	0.57	0.57	826	1,492

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

November 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
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	--	--	--	--
Monthly Total			--	--
Monthly Avg	--	--	--	--

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
November 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.60	0.57	496	660
2	0.60	0.57	507	680
3	0.60	0.57	480	624
4	0.60	0.57	437	626
5	0.61	0.57	429	622
6	0.62	0.57	436	598
7	0.62	0.58	455	633
8	0.63	0.58	507	659
9	0.63	0.58	477	643
10	0.63	0.58	379	680
11	0.63	0.58	357	646
12	0.63	0.58	358	629
13	0.65	0.58	387	661
14	0.66	0.58	397	683
15	0.65	0.58	382	680
16	0.66	0.58	393	683
17	0.65	0.58	382	682
18	0.64	0.57	381	679
19	0.64	0.57	377	705
20	0.64	0.57	383	721
21	0.64	0.57	380	719
22	0.64	0.57	379	721
23	0.64	0.58	382	739
24	0.64	0.58	379	716
25	0.64	0.58	372	692
26	0.64	0.58	399	693
27	0.64	0.58	405	689
28	0.64	0.58	408	690
29	0.64	0.58	384	693
30	0.64	0.60	433	734
Monthly Total			12,322	20,281
Monthly Avg	0.63	0.58	411	676

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

November 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	38.4	15.6	2,094	1,821	21	44
2	34.5	15.0	1,440	1,495	16	38
3	37.8	16.1	1,524	1,507	15	39
4	35.0	13.7	1,400	1,319	15	36
5	28.9	13.2	1,387	1,295	18	37
6	40.1	14.3	1,559	1,353	15	36
7	29.0	12.8	1,112	1,489	15	44
8	34.8	13.5	1,698	1,284	19	36
9	37.1	13.5	1,225	1,315	13	37
10	35.1	13.5	1,409	1,417	15	41
11	33.1	13.9	869	1,460	10	40
12	35.9	16.9	971	1,751	10	39
13	34.8	17.6	1,034	1,710	11	37
14	37.4	15.4	1,176	1,656	12	41
15	31.6	15.4	1,287	1,561	16	39
16	35.9	13.8	1,253	1,369	13	38
17	35.0	13.9	1,064	1,460	12	40
18	39.2	15.8	1,349	1,573	13	38
19	31.7	13.6	1,010	1,361	12	38
20	32.9	13.3	1,023	1,428	12	41
21	34.3	13.6	1,110	1,472	12	41
22	33.1	14.2	1,087	1,486	13	40
23	35.3	13.6	1,099	1,351	12	38
24	35.1	13.7	1,004	1,335	11	37
25	8.14	13.9	785	1,299	37	35
26	13.2	12.8	782	1,165	23	35
27	15.1	12.1	782	1,212	20	38
28	17.9	12.7	912	1,269	19	38
29	9.72	34.6	652	3,533	26	37
30	13.6	15.7	782	1,522	22	37
Monthly Total			34,879	45,266	478	1,155
Monthly Avg	30.5	14.9	1,163	1,509	16	39

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

November 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)		216	0.0	181	69	6.7	473	58.20			419.96		
Solids (kg)	TSS	43,054	0	32,012			75,067						
	Aluminium	2,559	0	11,081			13,640						
# of Bypasses						2		Min	Max	Avg	Min	Max	Avg
pH								6.4	8.0	7.7	6.9	8.1	7.6
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								1.17	20.0	9.70	1.10	20.0	6.26

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

November 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		231	0.0	426	324	0.0	1.8	26	1,009	1,155		
Solids (kg)	TSS	68,415	0	59,962					128,377			
	Aluminium	4,210	0	20,756					24,966			
# of Bypasses						0				Min	Max	Avg
pH										6.90	8.99	8.09
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.01	20.0	4.13

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

November 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
SEPTEMBER	5,644	219	235	7,818	303	314	13,461	500	474	1,402	3,323	4,725
OCTOBER	5,076	206	216	6,693	244	275	11,769	440	403	1,081	2,885	3,966
NOVEMBER	4,014	175	160	7,331	267	265	11,345	425	392	903	2,762	3,665

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)	134,612	130,935	2.8
AVG. DAILY DEMAND TO DATE (ML)	403	391	3.1
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

November 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	1.60	1.92	1.63	1.78	1.87	1.85	1.42	1.77	1.56	1.85	1.98	1.90	1.90	2.12	2.01	1.42	1.46	1.44
2	1.67	1.91	1.69	1.81	1.90	1.88	1.63	1.90	1.67	1.83	1.92	1.86	1.92	2.07	1.97	1.37	1.42	1.40
3	1.67	1.88	1.70	1.80	1.92	1.86	1.66	1.82	1.68	1.79	1.91	1.84	1.92	2.02	1.95	1.32	1.37	1.34
4	1.66	1.93	1.69	1.79	1.88	1.86	--	--	--	1.79	1.91	1.83	1.88	1.99	1.93	1.27	1.48	1.36
5	1.63	1.74	1.66	1.68	1.92	1.86	1.56	1.90	1.57	1.81	1.91	1.84	1.87	1.99	1.93	1.42	1.48	1.45
6	1.67	1.98	1.71	1.76	1.87	1.83	1.53	1.69	1.59	1.81	1.91	1.84	1.85	1.99	1.91	1.39	1.43	1.41
7	1.70	1.85	1.72	1.73	1.84	1.82	1.62	1.73	1.63	1.77	1.87	1.80	1.82	1.92	1.88	1.36	1.40	1.38
8	1.71	1.98	1.74	1.73	1.88	1.83	1.52	1.92	1.65	1.79	1.87	1.80	1.81	1.93	1.87	1.33	1.36	1.35
9	1.74	1.96	1.76	1.76	1.90	1.86	--	--	--	1.77	1.89	1.84	1.87	1.98	1.90	1.29	1.33	1.32
10	1.69	1.93	1.71	1.75	1.90	1.86	--	--	--	1.79	1.92	1.86	1.93	1.98	1.94	1.26	1.30	1.28
11	1.69	1.91	1.71	1.74	1.92	1.87	1.49	1.85	1.53	1.81	1.91	1.87	1.88	2.00	1.96	1.23	1.26	1.25
12	1.70	1.93	1.73	1.74	1.87	1.84	1.35	1.81	1.52	1.83	1.92	1.86	1.85	2.03	1.96	1.18	1.56	1.35
13	1.70	1.88	1.72	1.73	1.89	1.85	1.48	1.75	1.53	1.80	1.90	1.85	1.95	2.08	1.96	1.53	1.58	1.55
14	1.70	1.91	1.71	1.73	1.89	1.86	--	--	--	1.84	1.91	1.86	1.94	2.04	1.96	1.44	1.65	1.57
15	1.66	1.90	1.71	1.73	1.91	1.86	1.28	1.80	1.40	1.79	1.91	1.86	1.87	2.14	1.96	1.61	1.64	1.63
16	1.67	1.88	1.70	1.73	1.91	1.88	1.34	1.75	1.36	1.81	1.91	1.86	1.94	2.02	1.97	1.57	1.61	1.59
17	1.70	1.81	1.71	1.75	1.95	1.91	1.30	1.74	1.33	1.86	1.93	1.89	1.96	2.01	1.98	1.51	1.57	1.55
18	1.73	1.86	1.74	1.74	2.00	1.92	1.31	1.75	1.33	1.80	1.92	1.88	1.90	2.03	1.98	1.47	1.74	1.61
19	1.74	1.90	1.77	1.76	1.95	1.92	1.37	1.68	1.39	1.85	1.91	1.87	1.93	2.09	1.97	1.68	1.74	1.71
20	1.72	1.88	1.73	1.74	1.95	1.91	1.34	1.66	1.36	1.80	1.92	1.88	1.96	2.08	1.97	1.65	1.70	1.68
21	1.69	1.88	1.72	1.80	2.09	1.96	--	--	--	1.80	1.92	1.88	1.95	2.09	1.97	1.57	1.67	1.64
22	--	--	--	1.76	2.01	1.95	1.50	1.82	1.51	1.84	1.91	1.87	1.77	2.04	1.97	1.60	1.65	1.63
23	1.67	1.78	1.68	1.72	1.96	1.92	1.53	1.54	1.53	1.81	1.92	1.87	1.96	2.08	1.98	1.56	1.61	1.59
24	1.64	1.80	1.66	1.73	1.97	1.91	1.44	1.84	1.50	1.81	1.91	1.87	1.97	2.07	1.98	1.51	1.57	1.54
25	1.62	1.88	1.65	1.72	1.98	1.91	1.44	1.81	1.52	1.82	1.92	1.87	1.85	2.07	1.97	1.47	1.65	1.56
26	1.65	1.88	1.67	1.72	1.95	1.89	1.47	1.83	1.49	1.80	1.91	1.86	1.95	2.01	1.96	1.60	1.66	1.62
27	1.66	1.90	1.74	1.73	1.96	1.90	1.47	1.82	1.53	1.80	1.91	1.87	1.94	2.02	1.97	1.56	1.61	1.59
28	1.72	2.06	1.81	1.71	1.93	1.88	1.57	1.60	1.59	1.85	2.04	1.93	1.88	2.02	1.97	1.51	1.60	1.57
29	1.76	1.91	1.79	1.65	1.92	1.88	--	--	--	1.91	2.02	1.94	1.94	2.05	1.96	1.56	1.60	1.58
30	1.72	1.91	1.76	1.67	1.94	1.87	--	--	--	1.87	1.95	1.90	1.91	1.99	1.95	1.54	1.58	1.56
Monthly Min/Max/Avg	1.60	2.06	1.71	1.65	2.09	1.88	1.28	1.92	1.51	1.77	2.04	1.86	1.77	2.14	1.95	1.18	1.74	1.50

NOTES: '--' Indication Analyzer Offline

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

November 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				1.54	1.73	1.65	1.41	1.94	1.46	1.59	1.97	1.62				1.40	1.46	1.43
2				1.60	1.75	1.68				1.56	1.67	1.63				1.37	1.42	1.40
3				1.62	1.77	1.70	1.41	1.75	1.44	1.60	1.68	1.63	1.68	1.91	1.70	1.34	1.39	1.37
4	1.73	1.74	1.73	1.54	1.76	1.69	1.42	1.87	1.45	1.45	1.64	1.61				1.32	1.38	1.35
5	1.68	1.73	1.68	1.55	1.79	1.70	1.44	1.90	1.46	1.52	1.61	1.58	1.64	1.97	1.66	1.33	1.37	1.34
6	--	--	--	1.61	1.73	1.68	1.43	1.81	1.45	1.54	1.59	1.57	1.62	1.82	1.63	1.30	1.37	1.34
7	--	--	--	1.59	1.79	1.67	1.40	1.81	1.45	1.56	1.75	1.67	1.61	1.85	1.62	1.28	1.33	1.31
8	--	--	--	1.60	1.75	1.68	1.43	1.81	1.49	1.66	1.77	1.70	1.61	1.92	1.62	1.27	1.32	1.29
9	1.63	1.65	1.64	1.58	1.74	1.68	1.47	1.93	1.52	1.62	1.75	1.69	1.59	1.96	1.64	1.27	1.32	1.30
10	1.59	1.64	1.62	1.59	1.73	1.66	1.47	1.94	1.54	1.58	1.81	1.62	1.67	1.97	1.69	1.29	1.35	1.33
11	--	--	--	1.60	1.72	1.66	1.58	1.98	1.60	1.50	1.59	1.56	1.73	1.97	1.75	1.30	1.35	1.33
12	1.58	1.60	1.59	1.54	1.74	1.67	1.54	1.96	1.60	1.51	1.54	1.53	1.66	1.95	1.73	1.31	1.36	1.33
13	1.52	1.59	1.55	1.51	1.72	1.65	1.53	1.93	1.56	1.47	1.78	1.50	1.68	1.96	1.70	1.31	1.35	1.33
14	--	--	--	1.56	1.71	1.64	1.56	1.95	1.59	1.47	1.95	1.50	1.69	1.94	1.70	1.30	1.35	1.32
15	1.53	1.54	1.53	1.53	1.77	1.64	1.58	1.96	1.60	1.42	1.84	1.48	1.70	1.93	1.70	1.30	1.34	1.32
16	1.45	1.56	1.53	1.58	1.71	1.64	1.61	1.99	1.64	1.42	1.94	1.51	1.72	1.99	1.73	1.29	1.34	1.32
17	--	--	--	1.55	1.71	1.63	1.57	2.01	1.63	1.47	1.92	1.49	1.72	1.97	1.73	1.30	1.35	1.32
18	1.57	1.60	1.58	1.56	1.70	1.63	1.60	1.95	1.63	1.48	1.90	1.52	1.67	1.96	1.70	1.28	1.34	1.32
19	--	--	--	1.54	1.70	1.62	1.55	1.98	1.64	1.51	1.87	1.53	1.71	1.96	1.73	1.28	1.33	1.31
20	--	--	--	1.59	1.70	1.64	1.61	1.97	1.66	1.48	1.55	1.53	1.72	1.95	1.76	1.29	1.34	1.31
21	1.59	1.63	1.60	1.51	1.70	1.62	1.68	1.98	1.70	1.43	1.93	1.53	1.75	1.94	1.78	1.28	1.33	1.31
22	1.58	1.63	1.61	1.54	1.71	1.63	1.68	2.00	1.71	1.52	1.91	1.55	1.77	2.01	1.78	1.28	1.32	1.30
23	1.64	1.65	1.64	1.55	1.74	1.64	1.68	2.00	1.71	1.56	1.95	1.58	1.76	1.94	1.77	1.27	1.32	1.30
24	1.63	1.68	1.64	1.57	1.69	1.65	1.71	2.00	1.74	1.50	1.89	1.58	1.75	1.95	1.77	1.27	1.32	1.30
25	1.55	1.65	1.63	1.53	1.69	1.62	1.68	1.90	1.73	1.55	1.82	1.58	1.75	1.94	1.76	1.27	1.31	1.29
26	--	--	--	1.56	1.72	1.64	1.70	1.95	1.71	1.44	1.57	1.55	1.73	1.94	1.74	1.27	1.32	1.30
27	--	--	--	1.57	1.74	1.67	1.67	1.98	1.69	1.56	1.90	1.58	1.72	1.95	1.73	1.28	1.32	1.30
28	1.63	1.66	1.64	1.56	1.73	1.67	--	--	--	1.56	1.90	1.58	--	--	--	1.28	1.32	1.30
29				1.56	1.74	1.66	1.65	1.96	1.67	1.55	1.87	1.57	1.71	1.93	1.73	1.27	1.32	1.30
30				1.57	1.74	1.66	1.64	1.94	1.67	1.32	1.92	1.56	1.71	1.91	1.73	1.27	1.31	1.29
Monthly Min/Max/Avg	1.45	1.74	1.61	1.51	1.79	1.65	1.40	2.01	1.60	1.32	1.97	1.57	1.59	2.01	1.71	1.27	1.46	1.32

NOTES: '--' Indication Analyzer Offline

1.2.31 Orthophosphate Chemical
~ November 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.76	658	761
2	0.90	0.74	685	778
3	0.90	0.76	601	757
4	0.90	0.83	559	776
5	0.89	0.68	484	628
6	0.90	0.74	563	691
7	0.90	0.65	583	616
8	0.90	0.84	624	839
9	0.90	0.85	599	875
10	0.90	0.85	446	846
11	0.90	0.85	455	846
12	0.90	0.85	471	815
13	0.90	0.85	455	827
14	0.90	0.83	454	865
15	0.90	0.84	445	853
16	0.90	0.85	475	873
17	0.90	0.85	432	892
18	0.90	0.85	498	868
19	0.90	0.85	492	918
20	0.90	0.85	454	933
21	0.90	0.85	460	932
22	0.90	0.85	440	1,015
23	0.90	0.85	474	891
24	0.90	0.85	460	1,008
25	0.90	0.85	472	847
26	0.90	0.85	499	880
27	0.90	0.85	511	882
28	0.90	0.85	504	926
29	0.90	0.85	486	868
30	0.90	0.85	522	908
Monthly Total			15,259	25,412
Monthly Avg	0.90	0.82	509	847

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)

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

November 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO3/L)	60	118.8	113.0 - 129.0	667	114.8	81.0 - 139.0
Aluminum (mg/L)	2	0.118	0.113 - 0.122	22	0.067	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	22	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	94	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	60	0.9	0.6 - 1.5	667	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	22	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO3)	58	112.2	105.0 - 122.0	648	113.8	80.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.19	0.07 - 0.35	94	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	5.4	4.5 - 6.0	94	6.48	4.51 - 14.20
Chlorine total (mg/L)	60	2.05	1.88 - 2.21	668	2.10	1.88 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	94	<0.2	<0.005 - <0.2
Chloroform (µg/L)	60	13.2	9.2 - 23.9	667	20.2	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Colour (TCU)	60	0.8	<0.5 - 1.5	668	1.0	<0.5 - 2.7
Conductivity (µS/cm)	8	359.4	350.0 - 376.0	95	391.8	339.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	22	0.002	<0.002
Cryptosporidium (oocysts/100L)	4	0.1	<0.1	28	0.1	<0.09 - 0.1
Fluoride (mg/L)	60	0.71	0.65 - 0.80	667	0.69	0.52 - 0.80
Giardia (cysts/100L)	4	<0.1	<0.1	28	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	20.0	19.4 - 20.6	21	19.8	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	22	0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	22	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	12	<0.0050	<0.0050
Mercury (mg/L)				20	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.05	0.03 - 0.06	92	0.05	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	0.01 - 0.02	92	0.01	<0.01 - 0.02
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	21	0.00142	<0.0009 - 0.00142
pH	60	8	8	667	8	8
Potassium (mg/L)	2	0.7	0.6 - 0.7	22	0.9	0.6 - 1.9
Sodium (mg/L)	2	6.5	6.4 - 6.5	22	11.8	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	58.3	57.8 - 59.2	94	72.3	57.8 - 116.0
Total Dissolved Solids (mg/L)	2	211.50	206.00 - 217.00	22	220.32	52.00 - 267.00
Total Hardness (mg/L CaCO3)	60	172.0	164.0 - 190.0	666	172.7	131.0 - 212.0
Total Organic Carbon (mg/L)	8	1.4	1.1 - 2.1	94	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	60	14.1	9.9 - 25.6	667	21.5	4.3 - 84.7
Turbidity (NTU)	60	0.05	<0.04 - 0.15	668	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	22	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
ng/L	= Nanograms per litre (1 ng/L)
µg/L	= Micrograms per litre (1 µg/L)
µS/cm	= Microsiemens per centimeter (unit of conductivity)
2/Y	= Twice per Year
AO	= Aesthetic Objective
Bq/L	= Becquerel(s) per litre (unit of radionuclide concentration)
CCPP	= Calcium Carbonate Precipitation Potential
CFU	= Colony Forming Units
Comm	= Commercial Laboratories
D	= Daily
EWSI	= EPCOR Water Services Inc.
FPA	= Flavour Profile Analysis
GCDWQ	= Guidelines for Canadian Drinking Water Quality
GM	= Geometric Mean
inoff	= Inoffensive (no objectionable odour)
M	= Monthly
MAC	= Maximum Acceptable Concentration
MDL	= Method Detection Limit
N/A	= Not Available
ND	= Not Detected
NTU	= Nephelometric Turbidity Units
PA	= Presence/Absence Testing
PBR	= Performance Based Rates
PHP	= phenolphthalein
PLPH	= Provincial Laboratory of Public Health
ppb	= Parts Per Billion
ppm	= Parts Per Million
Q	= Quarterly
QA	= Quality Assurance
QC	= Quality Control
RDL	= Reportable Detection Limit
TCU	= True Colour Units
TDS	= Total Dissolved Solids
TOC	= Total Organic Carbon
UV Abs/cm	= UV Absorbance per centimeter
WL	= Water Laboratory
WTP	= Water Treatment Plant

2.1.3 QUALITY ASSURANCE – November 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 December 2025. Health Canada updates their on-line document regularly, but they recommend always consulting individual guideline technical documents and guidance documents on Health Canada's website, "Water Quality—Reports and Publications" for the most current information. Guideline limits are listed as Maximum Acceptable Concentrations (MAC), Aesthetic Objectives (AO) or Operational Guidelines (OG). The latest edition of Health Canada's Guidelines includes parameter types, 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 follow-up samples are < 0.5 mg/L. Alberta Environment and Protected Areas is to be notified of any single positive total coliform sample and follow-up sampling is done according to the *Communication and Action Protocol for Failed Bacteriological Results in Drinking Water*. Any sample that is positive for *E. coli* is also considered a violation and requires follow-up action and re-sampling. A repeat total coliform positive from the same location is also considered a violation.

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

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

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

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

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

Current month: **0** YTD Total: **3**

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	2
Complaint Samples	0	0
Random Samples	0	1
Reservoirs	0	0
TOTAL (Distribution) [1]	0	3

Notes: 1) YTD violations include 1 consecutive total coliform positive result in August 2025 and 2 consecutive total coliform positive results in September 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	3
Turbidity > 1 NTU	0	0
Chlorine < 1 mg/L or > 2.4 mg/L	0	0
Cryptosporidium ≥ 1/1000 L	2	2
Giardia ≥ 1/1000 L	0	0
Other	2	18
Total Variances + Violations	2 + 0 = 2	23 + 0 = 23

Notes: 1) Variance statistics include any violations.
2) As of October 15th, 2025 both ELS and ROS WTP were converted to Direct 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 2 variances for Fluoride in Feb 2025 and Oct 2025, one variance for pH in October 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	2	126
Chlorine < 1 mg/L or > 2.4 mg/L	0	15
Single Positive Coliform	0	7
THMs > 50 µg/L	0	8
Pipe Lube, Odour, UV positive	0	1
Aluminum[2] > 0.20 (or 0.1) mg/L	2	27
Iron > 0.10 mg/L	1	21
Other	0	0
Total Variances + Violations	5 + 0 = 5	205 + 3 = 208

Notes: 1) Variance statistics include any violations.
2) As of October 15th, 2025 both ELS and ROS WTP were converted to Direct 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

November 2025

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Cellular ATP (pg/mL)				6	71.2	21.5 - 158.5
Coliforms total (MPN/100 mL)	4	141.6	95.9 - 161.6	51	442.9	21.3 - 4962.0
E. coli (MPN/100 mL)	4	9.0	5.2 - 14.8	51	20.7	1.0 - 248.1
Rossdale Raw						
Cellular ATP (pg/mL)	1	27.9	27.9	12	57.5	7.6 - 175.2
Coliforms total (MPN/100 mL)	30	699.7	52.8 - 13734.0	334	616.9	21.6 - 13734.0
E. coli (MPN/100 mL)	30	33.5	3.0 - 524.0	334	40.3	1.0 - 3328.0
EL Smith Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.4	334	0.1	<0.10 - 1.6
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.2	334	0.1	<0.10 - 1.3
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.3	334	0.1	<0.10 - 1.8
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.3	334	0.1	<0.10 - 0.5
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

November 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	113	0.2	<0.10 - 1.0	1467	0.3	<0.10 - 10.0
Chlorine total (mg/L)	214	1.83	1.02 - 2.14	2503	1.76	0.19 - 2.34
Coliforms total (MPN/100 mL)				33	Not Detected	Not Detected
Coliforms total (PA/100mL)	214	-VE	-VE	2471	-VE	+VE - -VE
E. coli (MPN/100 mL)				33	Not Detected	Not Detected
E. coli (PA/100mL)	214	-VE	-VE	2471	-VE	-VE
Turbidity (NTU)	214	0.15	<0.04 - 2.42	2503	0.23	<0.04 - 14.00

214

Count of Bacteriological Tests

102%

Percent of Target Sampling (210)

51%

Analyzed by AHS

49%

Analyzed by Epcor

2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

November 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
Sep 23					5.0	100.0	<0.1	<0.1
Oct 01					<2.0	100.0	<0.1	<0.1
Oct 06	2.3	12.0	<0.1	<0.1				
Oct 07					4.4	33.0	<0.1	<0.1
Oct 14					1.6	390.0	<0.1	<0.1
Oct 27					15.0	660.0	<0.1	<0.1
Nov 10					15.0	230.0	<0.1	<0.1
Nov 12	4.8	410.0	<0.1	<0.1				
Nov 24					33.0	220.0	0.1	<0.1
Nov 28							0.1	<0.1

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	3	0.1	<0.1	17	0.1	<0.09 - 0.1		
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE	0.0	
Giardia (cysts/100L)	3	0.1	<0.1	17	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	30	0.9	<0.5 - 1.5	334	1.0	<0.5 - 2.7	(15.0)	10.0
Conductivity (µS/cm)	4	358.5	353.0 - 372.0	47	388.9	339.0 - 443.0		
pH	30	8	8	333	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	217.00	217.00	11	227.55	196.00 - 267.00	(500.00)	
Turbidity (NTU)	30	0.05	<0.04 - 0.07	334	0.05	<0.04 - 0.10	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.053	0.053	11	0.061	0.053 - 0.067	2.000	
Boron (mg/L)	1	0.008	0.008	11	0.011	0.008 - 0.019	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	47	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	11	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.29	0.23 - 0.35	47	0.29	0.1 - 0.49	1.00	
Chlorine total (mg/L)	30	2.09	2.00 - 2.21	334	2.13	1.93 - 2.32		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	47	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002	0.0500	
Cyanide (mg/L)				4	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.72	0.67 - 0.80	333	0.71	0.63 - 0.80	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	6	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				10	0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	46	0.05	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01 - 0.02	46	0.01	<0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	11	0.0002	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	4	0.059	<0.050 - 0.059	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	4	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				4	<0.10	<0.10	5.0	
Benzene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				4	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)	1	<0.050	<0.050	4	<0.250	<0.050 - <0.250	30.000	
Carbaryl (µg/L)				4	<0.050	<0.050		
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Chlorpyrifos (µg/L)				4	<0.10	<0.10	90.00	
Cyanazine (µg/L)				4	<0.100	<0.100		
Diazinon (µg/L)				4	<0.0250	<0.0250		
Dicamba (µg/L)	1	<0.10	<0.10	4	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	14.0	
Dichlorophenol (2,4) (µg/L)				4	<0.20	<0.20		
Diclofop-methyl (µg/L)				4	<0.100	<0.100		
Dimethoate (µg/L)				4	<0.050	<0.050	20.000	
Diquat (µg/L)				4	<1.0	<1.0	50.0	
Diuron (µg/L)				4	<0.050	<0.050		
Ethylbenzene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)				4	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	20.6	20.6	10	20.3	11.1 - 31.6	80.0	40.0
Malathion (µg/L)				4	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	333	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				4	<0.0250	<0.0250		
Metribuzin (µg/L)				4	<0.100	<0.100	80.00	
Microcystin total (µg/L)				4	0.15	<0.15 - 0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				4	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	10	0.00142	<0.0009 - 0.00142	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				4	<0.16	<0.16		
Pentachlorophenol (µg/L)				4	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				4	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (PFOA) (ng/L)				4	<2.0	<2.0	2.0	
Phorate (µg/L)				4	<0.250	<0.250		
Picloram (µg/L)	1	<0.10	<0.10	4	<0.50	<0.10 - <0.50		
Simazine (µg/L)				4	<0.100	<0.100		
Terbufos (µg/L)				4	<0.50	<0.50		
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				4	<0.50	<0.50		
Toluene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	60.0 (24.0)	
Total PFAS (ng/L)				4	<12.0	<12.0		
Trichloroethylene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)				4	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				4	<0.10	<0.10		
Trihalomethanes (µg/L)	30	15.3	10.9 - 25.6	333	22.7	4.3 - 84.7	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	333	1.02	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	30	<1.0	<1.0	333	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	118.7	113.0 - 129.0	333	113.8	81.0 - 139.0		
Aluminum (mg/L)	1	0.113	0.113	11	0.070	0.021 - 0.127	2.900 (0.100)	
Ammonia as NH3 (mg/L)	13	0.09	0.07 - 0.12	180	0.11	0.01 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	47	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	46.2	46.2	11	47.0	43.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	30	112.5	105.0 - 122.0	334	113.9	80.0 - 136.0		
Chloride Dissolved (mg/L)	4	5.1	4.5 - 5.6	47	6.43	4.51 - 14.20	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	10	0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	11	0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	11	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	11	0.0035	0.0030 - 0.0041		
Magnesium (mg/L)	1	13.9	13.9	11	14.3	12.6 - 17.2		
Manganese (mg/L)	1	<0.002	<0.002	11	0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	11	0.0007	0.0005 - 0.0010		
Nickel (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	1	0.03	0.03	10	0.02	<0.02 - 0.03		
Phosphorus (mg/L)	1	<0.02	<0.02	11	<0.02	<0.02		
Potassium (mg/L)	1	0.7	0.7	11	0.9	0.6 - 1.9		
Silicon (mg/L)	1	1.86	1.86	11	2.08	1.56 - 2.57		
Silver (mg/L)	1	<0.00002	<0.00002	11	<0.00002	<0.00002		
Sodium (mg/L)	1	6.4	6.4	11	11.0	6.4 - 19.6	(200.0)	
Strontium (mg/L)	1	0.445	0.445	11	0.432	0.367 - 0.480	7.000	
Sulphate Dissolved (mg/L)	4	58.5	58.0 - 59.2	47	71.0	57.9 - 105.0	(500.0)	
Sulphide (mg/L)				4	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	30	172.5	164.0 - 190.0	334	172.6	131.0 - 209.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	11	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	11	0.001	<0.001		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	30	<0.5	<0.5	333	0.52	<0.40 - 1.00		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	333	0.51	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	10.20	10.20	10	10.56	5.56 - 17.00		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.7	304	1.3	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	1.5	1.1 - 1.9	47	1.6	0.8 - 3.4		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Styrene (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	10	1.01	<1.00 - 1.11		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	10	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	333	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	1	10.40	10.40	10	9.67	4.94 - 15.10		
Dibromochloromethane (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	10	<1.00	<1.00		
Chloroform (µg/L)	30	14.3	10.1 - 23.9	333	21.3	3.6 - 82.8	(40.0)	
Bromoform (µg/L)	30	<0.5	<0.5	333	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	30	1.0	0.7 - 1.5	333	1.3	<0.5 - 2.6		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	10	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)				2	<40	<40	7000.00	
Strontium-90 (Bq/L)				2	<0.05	<0.05	5.00	
Radium-226 (Bq/L)				2	0.006	<0.005 - 0.007	0.500	
Lead-210 (Bq/L)				2	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)				2	<0.6	<0.5 - <0.6	6.0	
Gross Beta (Bq/L)				2	0.12	<0.07 - 0.17		
Gross Alpha (Bq/L)				2	<0.13	<0.12 - <0.13		
Cesium-137 (Bq/L)				2	<0.09	<0.07 - <0.09	10.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	334	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	11	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	30	-VE	-VE	334	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	11	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	30	0.8	<0.5 - 1.4	334	1.0	<0.5 - 1.9	(15.0)	10.0
Conductivity (µS/cm)	4	360.3	350.0 - 376.0	48	394.7	350.0 - 476.0		
pH	30	8	8	334	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	206.00	206.00	11	213.09	52.00 - 266.00	(500.00)	
Turbidity (NTU)	30	0.06	<0.04 - 0.15	334	0.05	<0.04 - 0.52	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.053	0.053	11	0.060	0.053 - 0.066	2.000	
Boron (mg/L)	1	0.008	0.008	11	0.011	0.008 - 0.016	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	47	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	11	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.10	0.07 - 0.13	47	0.11	<0.1 - 0.16	1.00	
Chlorine total (mg/L)	30	2.01	1.88 - 2.07	334	2.08	1.88 - 2.29		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	47	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002	0.0500	
Cyanide (mg/L)				4	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.69	0.65 - 0.74	334	0.67	0.52 - 0.79	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	6	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				10	0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.04 - 0.06	46	0.05	<0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	46	0.01	<0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	11	0.0003	0.0002 - 0.0004	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				4	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				4	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				4	<0.10	<0.10	5.0	
Benzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				4	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				4	<0.250	<0.050 - <0.250	30.000	
Carbaryl (µg/L)				4	<0.050	<0.050		
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Chlorpyrifos (µg/L)				4	<0.10	<0.10	90.00	
Cyanazine (µg/L)				4	<0.100	<0.100		
Diazinon (µg/L)				4	<0.0250	<0.0250		
Dicamba (µg/L)				4	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	14.0	
Dichlorophenol (2,4) (µg/L)				4	<0.20	<0.20		
Diclofop-methyl (µg/L)				4	<0.100	<0.100		
Dimethoate (µg/L)				4	<0.050	<0.050	20.000	
Diquat (µg/L)				4	<1.0	<1.0	50.0	
Diuron (µg/L)				4	<0.050	<0.050		
Ethylbenzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	140.0 (1.6)	
Glyphosate (µg/L)				4	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	19.4	19.4	11	19.4	7.8 - 30.1	80.0	40.0
Malathion (µg/L)				4	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	334	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				4	<0.0250	<0.0250		
Metribuzin (µg/L)				4	<0.100	<0.100	80.00	
Microcystin total (µg/L)				4	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				4	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	11	<0.0018	<0.0009 - <0.0018	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				4	<0.16	<0.16		
Pentachlorophenol (µg/L)				4	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				4	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (PFOA) (ng/L)				4	<2.0	<2.0	2.0	
Phorate (µg/L)				4	<0.250	<0.250		
Picloram (µg/L)				4	<0.50	<0.10 - <0.50		
Simazine (µg/L)				4	<0.100	<0.100		
Terbufos (µg/L)				4	<0.50	<0.50		
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				4	<0.50	<0.50		
Toluene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	60.0 (24.0)	
Total PFAS (ng/L)				1	<12.0	<12.0		
Trichloroethylene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0	
Trichlorophenol (2,4,6) (µg/L)				4	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				4	<0.10	<0.10		
Trihalomethanes (µg/L)	30	13.0	9.9 - 20.2	334	20.3	4.3 - 64.5	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	334	1.02	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	30	<1.0	<1.0	334	<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

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	118.9	114.0 - 129.0	334	115.8	90.0 - 138.0		
Aluminum (mg/L)	1	0.122	0.122	11	0.065	0.021 - 0.122	2.900 (0.100)	
Ammonia as NH3 (mg/L)	13	0.12	0.09 - 0.18	180	0.09	0.01 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	47	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	45.0	45.0	11	47.1	44.1 - 54.9		
Calcium Hardness (mg/L CaCO3)	30	111.9	105.0 - 120.0	334	113.9	86.0 - 137.0		
Chloride Dissolved (mg/L)	4	5.7	5.1 - 6.0	47	6.52	5.02 - 8.96	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	11	0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	11	0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	11	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0030	0.0030	11	0.0032	0.0027 - 0.0038		
Magnesium (mg/L)	1	14.0	14.0	11	14.3	12.9 - 17.1		
Manganese (mg/L)	1	<0.002	<0.002	11	0.002	<0.002 - 0.005	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	11	0.0007	0.0005 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	1	0.02	0.02	10	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	11	<0.02	<0.02		
Potassium (mg/L)	1	0.6	0.6	11	0.9	0.6 - 1.8		
Silicon (mg/L)	1	1.88	1.88	11	2.06	1.49 - 2.62		
Silver (mg/L)	1	<0.00002	<0.00002	11	<0.00002	<0.00002		
Sodium (mg/L)	1	6.5	6.5	11	12.7	6.3 - 27.2	(200.0)	
Strontium (mg/L)	1	0.439	0.439	11	0.430	0.369 - 0.475	7.000	
Sulphate Dissolved (mg/L)	4	58.1	57.8 - 58.7	47	73.5	57.8 - 116.0	(500.0)	
Sulphide (mg/L)				4	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	11	0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	30	171.5	165.0 - 188.0	334	172.8	136.0 - 212.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	11	0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	11	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	11	0.001	<0.001		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	30	<0.5	<0.5	334	0.52	<0.40 - 1.00		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	334	0.51	<0.30 - 1.00		
Trichloroethane (1,1,1) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Trichloroacetic acid (µg/L)	1	9.81	9.81	11	9.60	3.92 - 15.20		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.5	304	1.3	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	1.4	1.1 - 2.1	47	1.6	0.8 - 3.1		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Styrene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	11	1.03	<1.00 - 1.25		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	11	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	334	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	1	9.56	9.56	11	9.55	3.91 - 14.90		
Dibromochloromethane (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	11	<1.00	<1.00		
Chloroform (µg/L)	30	12.1	9.2 - 18.8	334	19.1	3.5 - 62.8	(40.0)	
Bromoform (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Bromodichloromethane (µg/L)	30	0.8	0.6 - 1.4	334	1.0	<0.5 - 2.0		
Bromochloroacetic acid (µg/L)	1	1.12	1.12	11	1.02	<1.00 - 1.12		
Radionuclides								
Tritium (Bq/L)				2	<40	<40	7000.00	
Strontium-90 (Bq/L)				2	<0.05	<0.05	5.00	
Radium-226 (Bq/L)				2	0.006	<0.005 - 0.006	0.500	
Lead-210 (Bq/L)				2	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)				2	<0.5	<0.4 - <0.5	6.0	
Gross Beta (Bq/L)				2	0.09	<0.06 - 0.09		
Gross Alpha (Bq/L)				2	<0.14	<0.12 - <0.14		
Cesium-137 (Bq/L)				2	<0.2	<0.2	10.0	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

November 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)	30	96.2	93.7	333	97.6	90.2 - 97.6		
UV Absorbance (UV Abs/cm)	30	0.021	0.017 - 0.028	333	0.025	0.011 - 0.045		
EL Smith Treated								
Turbidity (NTU)	30	0.05	<0.04 - 0.06	334	0.05	<0.04 - 0.11	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	95.9	92.3	334	97.2	89.2 - 97.2		
UV Absorbance (UV Abs/cm)	30	0.023	0.018 - 0.035	334	0.026	0.013 - 0.050		
Rossdale Treated								
Turbidity (NTU)	30	0.04	<0.04 - 0.06	335	0.05	<0.04 - 0.21	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	334	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	10.3	8.6 - 17.1	334	16.3	3.3 - 70.0	100.0	50.0
Xylenes total (µg/L)	30	<1.0	<1.0	334	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Benzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	334	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	10.0	
Toluene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	30	12.9	10.1 - 19.5	334	19.0	4.9 - 82.4	100.0	50.0
Xylenes total (µg/L)	30	<1.0	<1.0	334	<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

November 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	47	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.09	0.07 - 0.12	47	0.11	<0.1 - 0.16	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	47	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.04 - 0.06	46	0.05	<0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	46	0.01	<0.01 - 0.02	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	47	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.32	0.27 - 0.36	47	0.30	0.1 - 0.41	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	47	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.05	0.03 - 0.06	46	0.05	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	0.01	46	0.01	<0.01 - 0.02	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	13	0.12	0.08 - 0.18	180	0.09	<0.05 - 0.18		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	47	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	5.6	5.0 - 5.8	47	6.45	4.84 - 8.93	(250.00)	
Sulphate Dissolved (mg/L)	4	57.9	57.4 - 58.7	47	73.9	57.4 - 114.0	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	13	0.09	0.06 - 0.12	180	0.11	<0.05 - 1.00		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	47	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	5.0	4.7 - 5.3	47	6.78	4.55 - 16.30	(250.00)	
Sulphate Dissolved (mg/L)	4	59.0	58.7 - 59.3	47	71.0	58.2 - 104.0	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	30	0.7	0.6 - 1.2	334	0.9	<0.5 - 1.8		
Bromoform (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	9.6	7.8 - 15.8	334	15.3	2.5 - 68.5	(40.0)	
Dibromochloromethane (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	334	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.7	304	1.2	<1.0 - 3.9		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	334	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	334	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	<0.5	<0.5	334	<0.5	<0.40 - <0.5		
Rossdale Treated								
Bromodichloromethane (µg/L)	30	0.8	0.7 - 1.2	334	1.1	<0.5 - 2.3		
Bromoform (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Chloroform (µg/L)	30	12.0	9.4 - 18.1	334	17.8	3.5 - 80.6	(40.0)	
Dibromochloromethane (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	334	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.9	304	1.2	<1.0 - 3.5		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	334	0.5	<0.5 - 1.0		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	334	<1.0	<0.30 - 1.00		
Xylene (1,4) (µg/L)	30	<0.5	<0.5	334	<1.0	<0.40 - 1.00		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)				33	Not Detected	Not Detected		
Coliforms total (PA/100mL)	162	-VE	-VE	1863	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)				33	Not Detected	Not Detected		
E. coli (PA/100mL)	162	-VE	-VE	1863	-VE	-VE	0.0	
Physical								
Colour (TCU)	1	0.6	0.6	4	0.6	<0.5 - 0.8	(15.0)	10.0
pH	3	8	8	447	8	7 - 8		7 - 8
Total Dissolved Solids (mg/L)				3	224.33	209.00 - 238.00	(500.00)	
Turbidity (NTU)	162	0.16	<0.04 - 2.42	1894	0.26	<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)	1	<0.0005	<0.0005	5	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.050	0.050	5	0.058	0.050 - 0.069	2.000	
Boron (mg/L)	1	0.007	0.007	5	0.009	0.007 - 0.011	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	17	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.12	0.11 - 0.12	17	0.18	0.09 - 0.31	1.00	
Chlorine total (mg/L)	162	1.83	1.02 - 2.14	1895	1.78	0.19 - 2.34		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	17	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	5	<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)	1	<0.0002	<0.0002	5	<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)	2	0.04	0.03 - 0.04	446	0.03	<0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	2	0.01	0.01	446	0.01	<0.01 - 0.05	1.00	
Selenium (mg/L)	1	0.0002	0.0002	5	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	5	0.0005	<0.0005 - 0.0006	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

November 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)	7	<0.5	<0.5	64	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	
Carbaryl (µg/L)				3	0.050	<0.050		
Carbon Tetrachloride (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	7	<0.5	<0.5	64	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)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	7	<0.5	<0.5	64	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)	7	<0.5	<0.5	64	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)	6	26.9	22.4 - 29.4	63	21.7	7.7 - 36.0	80.0	40.0
Malathion (µg/L)				3	0.025	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	7	<0.5	<0.5	64	<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)					5	<0.15	<0.15	1.50
Nitrilotriacetic acid (NTA) (mg/L)					3	0.40	<0.4	0.40
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.00164	<0.0009 - 0.00312	32	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 (PFOA) (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)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				3	<0.50	<0.50		
Toluene (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	60.0 (24.0)	
Total PFAS (ng/L)				3	<12.0	<12.0		
Trichloroethylene (µg/L)	7	<0.5	<0.5	64	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)	7	25.3	18.1 - 29.8	64	24.5	5.1 - 50.8	100.0	50.0
Vinyl Chloride (µg/L)	7	<1.0	<1.0	64	1.05	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	7	<1.0	<1.0	64	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

November 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)	1	0.050	0.050	5	0.085	0.012 - 0.267	2.900 (0.100)	
Ammonia as NH3 (mg/L)	2	0.14	0.11 - 0.16	430	0.19	0.08 - 0.32		
Beryllium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	17	0.03	<0.03		
Calcium (mg/L)	1	46.7	46.7	5	49.6	46.7 - 54.7		
Chloride Dissolved (mg/L)	2	6.5	5.9 - 7.1	17	6.7	5.2 - 11.1	(250.0)	
Chlorine free (mg/L)				3	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	5	0.004	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)	1	0.018	0.018	5	0.031	<0.005 - 0.110	(0.100)	
Lithium (mg/L)	1	0.0034	0.0034	5	0.0036	0.0029 - 0.0048		
Magnesium (mg/L)	1	14.0	14.0	5	14.7	13.6 - 16.0		
Manganese (mg/L)	1	<0.002	<0.002	5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	5	0.0006	0.0005 - 0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	2	0.80	0.76 - 0.84	433	0.89	0.46 - 1.20		
Phosphorus (mg/L)	1	0.92	0.92	5	1.01	0.92 - 1.18		
Potassium (mg/L)	1	0.7	0.7	5	0.9	0.7 - 1.1		
Silicon (mg/L)	1	1.79	1.79	5	2.16	1.79 - 2.47		
Silver (mg/L)	1	<0.00002	<0.00002	5	<0.00002	<0.00002		
Sodium (mg/L)	1	6.3	6.3	5	12.1	6.3 - 20.8	(200.0)	
Strontium (mg/L)	1	0.437	0.437	5	0.458	0.424 - 0.484	7.000	
Sulphate Dissolved (mg/L)	2	59.9	59.6 - 60.1	17	71.1	59.6 - 81.6	(500.0)	
Sulphide (mg/L)				3	0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	5	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	5	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	174.0	174.0	4	175.0	173.0 - 179.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	5	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	5	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	5	<0.001	<0.001		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

November 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	7	1.4	0.9 - 1.7	64	1.2	0.6 - 2.2		
Bromoform (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Chloroform (µg/L)	7	23.8	16.9 - 27.9	64	23.2	4.4 - 49.0		
Dibromoacetic acid (µg/L)	6	<1.00	<1.00	63	<1.00	<1.00		
Dibromochloromethane (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Dichloroacetic acid (µg/L)	6	13.33	11.50 - 14.70	63	10.82	3.92 - 17.60		
Dichlorobenzene (1,3) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Methoxychlor (µg/L)				3	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	7	<1.0	<1.0	64	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0	(15.0)	
Monobromoacetic acid (µg/L)	6	<1.00	<1.00	63	<1.00	<1.00		
Monochloroacetic acid (µg/L)	6	1.08	<1.00 - 1.20	63	1.05	<1.00 - 1.72		
Styrene (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Total Organic Carbon (mg/L)	2	2.0	1.9 - 2.1	429	1.7	0.7 - 2.6		
Total Volatile Organics (Non THM) (µg/L)	7	1.4	1.1 - 1.6	58	1.3	<1.0 - 3.2		
Trichloroacetic acid (µg/L)	6	12.83	10.90 - 14.20	63	10.53	3.81 - 18.40		
Trichlorobenzene (1,2,4) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	7	<0.5	<0.5	64	0.5	<0.5 - 1.0		
Xylene (1,2) (µg/L)	7	<0.5	<0.5	64	0.53	<0.30 - 1.00		
Xylene (1,4) (µg/L)	7	<0.5	<0.5	64	0.54	<0.40 - 1.00		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	7	1.0	0.6 - 1.6	128	1.0	<0.5 - 3.0	(15.0)	10.0
pH	7	8	8	128	8	8		7 - 8
Turbidity (NTU)	7	0.43	0.07 - 1.56	128	0.46	<0.04 - 2.90	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	7	<0.0005	<0.0005	128	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	7	<0.0002	<0.0002	128	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	7	0.054	0.051 - 0.063	128	0.062	<0.002 - 0.105	2.000	
Boron (mg/L)	7	0.008	0.007 - 0.010	128	0.012	0.007 - 0.042	5.000	
Cadmium (mg/L)	7	<0.00002	<0.00002	128	0.00002	<0.00002 - 0.00004	0.00700	
Chlorine total (mg/L)	7	1.78	1.51 - 2.00	128	1.74	1.16 - 2.14		1.00 - 2.40
Chromium (mg/L)	7	<0.0002	<0.0002	128	<0.0002	<0.0002	0.0500	
Lead (mg/L)	7	<0.0002	<0.0002	128	0.0002	<0.0002 - 0.0018	0.0050	
Selenium (mg/L)	7	0.0002	0.0002 - 0.0003	128	0.0002	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	7	0.0005	<0.0005	128	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	7	<0.5	<0.5	128	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	7	18.9	14.1 - 27.2	128	24.4	5.4 - 50.5	100.0	50.0
Vinyl Chloride (µg/L)	7	<1.0	<1.0	128	1.02	<0.50 - 2.00	2.00	
Xylenes total (µg/L)	7	<1.0	<1.0	128	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	7	1.1	0.9 - 1.5	128	1.3	<0.5 - 2.4		
Bromoform (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Chloroform (µg/L)	7	17.7	13.2 - 25.5	128	23.0	4.7 - 49.2		
Dibromochloromethane (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	7	<1.0	<1.0	128	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	7	1.1	<1.0 - 1.3	107	1.2	<1.0 - 3.1		
Trichlorobenzene (1,2,4) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	7	<0.5	<0.5	128	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	7	<0.5	<0.5	128	0.52	<0.30 - 1.00		
Xylene (1,4) (µg/L)	7	<0.5	<0.5	128	0.53	<0.40 - 1.00		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	7	0.196	0.055 - 0.445	128	0.113	0.006 - 1.390	2.900 (0.100)	
Beryllium (mg/L)	7	0.0002	<0.0002	128	<0.0002	<0.0002		
Calcium (mg/L)	7	47.4	46.9 - 48.0	128	47.6	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)	7	0.0002	<0.0002	128	0.0002	<0.0002 - 0.0016		
Copper (mg/L)	7	0.002	<0.002 - 0.004	128	0.003	<0.002 - 0.013	2.000 (1.000)	
Iron (mg/L)	7	0.042	<0.005 - 0.130	128	0.067	<0.005 - 0.894	(0.100)	
Lithium (mg/L)	7	0.0034	0.0032 - 0.0037	128	0.0035	0.0003 - 0.0052		
Magnesium (mg/L)	7	14.3	14.0 - 14.6	128	14.1	<0.1 - 17.2		
Manganese (mg/L)	7	<0.002	<0.002	128	0.003	<0.002 - 0.012	0.120 (0.020)	
Molybdenum (mg/L)	7	0.0005	0.0005 - 0.0007	128	0.0007	0.0005 - 0.0010		
Nickel (mg/L)	7	<0.0005	<0.0005	128	0.0006	<0.0005 - 0.0030		
Phosphorus (mg/L)	7	0.99	0.85 - 1.19	128	1.01	0.70 - 1.92		
Potassium (mg/L)	7	0.7	0.7	128	1.0	0.3 - 2.6		
Silicon (mg/L)	7	1.96	1.80 - 2.31	128	2.08	1.37 - 2.84		
Silver (mg/L)	7	<0.00002	<0.00002	128	0.00002	<0.00002		
Sodium (mg/L)	7	7.1	6.6 - 7.5	128	13.4	6.0 - 93.0	(200.0)	
Strontium (mg/L)	7	0.445	0.426 - 0.459	128	0.430	<0.002 - 0.495	7.000	
Thallium (mg/L)	7	0.0002	<0.0002	128	<0.0002	<0.0002		
Tin (mg/L)	7	<0.0005	<0.0005	128	0.0005	<0.0005 - 0.0010		
Titanium (mg/L)	7	0.0018	<0.0005 - 0.0093	128	0.0006	<0.0005 - 0.0093		
Total Hardness (mg/L CaCO3)	7	177.4	175.0 - 180.0	127	176.9	<2 - 211.0		
Vanadium (mg/L)	7	<0.0005	<0.0005	128	0.0005	<0.0005		
Zinc (mg/L)	7	<0.005	<0.005	128	0.005	<0.005 - 0.014	(5.000)	
Zirconium (mg/L)	7	<0.001	<0.001	128	0.001	<0.001 - 0.002		

2.2.8 Castledowns Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
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)	
Haloacetic acids total (HAA5) (µg/L)								
Methylene Chloride (Dichloromethane) (µg/L)				5	<1.00	<0.5 - <1.00	50.0	
Nitrosodimethylamine, N- [NDMA] (µg/L)								
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	30.8	7.6 - 58.6	100.0	50.0
Vinyl Chloride (µg/L)				5	1.10	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				5	<1.0	<0.50 - <1.0	90.00 (20.00)	
Physical								
Colour (TCU)				5	1.0	<0.5 - 1.8	(15.0)	10.0
Conductivity (µS/cm)				5	406.8	375.0 - 437.0		
pH				21	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.10 - 0.12	47	0.10	<0.04 - 0.18	(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	0.063	0.055 - 0.069	2.000	
Boron (mg/L)				5	0.012	0.009 - 0.017	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.13	0.10 - 0.17	1.00	
Chlorite Dissolved (mg/L)				5	<0.005	<0.005	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.69	0.64 - 0.79	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	0.0151	0.0151		
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				21	0.04	0.01 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)				21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				5	0.0005	<0.0005 - 0.0006	0.0200	
Chlorine total (mg/L)	4	1.90	1.82 - 1.96	47	1.76	1.40 - 2.10		1.00 - 2.40

2.2.8 Castledowns Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	116.6	109.0 - 128.0		
Aluminum (mg/L)				5	0.074	0.016 - 0.183	2.900 (0.100)	
Ammonia as NH3 (mg/L)				41	0.15	0.09 - 0.19		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.03	<0.03		
Calcium (mg/L)				5	48.6	46.7 - 54.0		
Calcium Hardness (mg/L CaCO3)				5	121.6	117.0 - 135.0		
Chloride Dissolved (mg/L)				5	6.9	5.8 - 7.3	(250.0)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				5	<0.005	<0.005	(0.100)	
Lithium (mg/L)				5	0.0033	0.0028 - 0.0037		
Magnesium (mg/L)				5	14.5	13.6 - 16.7		
Manganese (mg/L)				5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				5	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.85	0.76 - 0.90	47	0.90	0.76 - 0.96		
Phosphorus (mg/L)				5	0.99	0.97 - 1.01		
Potassium (mg/L)				5	1.0	0.7 - 1.5		
Silicon (mg/L)				5	2.16	1.79 - 2.46		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	14.1	7.7 - 23.3	(200.0)	
Strontium (mg/L)				5	0.430	0.384 - 0.466	7.000	
Sulphate Dissolved (mg/L)				5	77.9	60.7 - 92.2	(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	181.2	174.0 - 204.0		
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		

2.2.8 Castledowns Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				5	1.2	0.8 - 1.5		
Bromoform (µg/L)				5	0.6	<0.5 - 1.0		
Chloroform (µg/L)				5	29.5	6.8 - 57.1		
Dibromoacetic acid (µg/L)								
Dibromochloromethane (µg/L)				5	0.6	<0.5 - 1.0		
Dichloroacetic acid (µg/L)								
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	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)				5	0.6	<0.5 - 1.0	(15.0)	
Monobromoacetic acid (µg/L)								
Monochloroacetic acid (µg/L)								
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)				20	1.8	1.0 - 2.8		
Total Volatile Organics (Non THM) (µg/L)				4	1.3	<1.0 - 1.9		
Trichloroacetic acid (µg/L)								
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	0.56	<0.30 - 1.00		
Xylene (1,4) (µg/L)				5	0.58	<0.40 - 1.00		

2.2.9 Clareview Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.6	1.6	6	1.2	0.8 - 1.6	(15.0)	10.0
Conductivity (µS/cm)	1	343.0	343.0	6	377.2	343.0 - 419.0		
pH	1	8	8	22	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.09 - 0.15	47	0.15	0.08 - 0.97	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.054	0.054	6	0.061	0.054 - 0.067	2.000	
Boron (mg/L)	1	0.009	0.009	6	0.012	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.28	0.28	6	0.24	0.1 - 0.32	1.00	
Chlorine total (mg/L)	4	1.52	1.37 - 1.60	47	1.72	1.37 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.71	0.71	7	0.69	0.65 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.04	0.04	22	0.04	0.02 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	22	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	26.5	26.5	6	26.2	11.3 - 40.1	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	116.0	116.0	6	113.8	109.0 - 123.0		
Aluminum (mg/L)	1	0.086	0.086	6	0.059	0.032 - 0.086	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.20	0.20	42	0.17	0.10 - 0.29		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	48.7	48.7	6	47.1	46.2 - 48.7		
Calcium Hardness (mg/L CaCO3)	1	122.0	122.0	6	117.7	115.0 - 122.0		
Chloride Dissolved (mg/L)	1	5.1	5.1	6	7.06	5.14 - 12.00	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.010	0.010	6	0.013	0.010 - 0.016	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	6	0.0035	0.0030 - 0.0040		
Magnesium (mg/L)	1	14.5	14.5	6	14.3	13.6 - 14.8		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	6	0.0008	0.0006 - 0.0011		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.86 - 1.02	47	0.90	0.86 - 1.02		
Phosphorus (mg/L)	1	0.94	0.94	6	0.96	0.93 - 1.03		
Potassium (mg/L)	1	0.7	0.7	6	1.1	0.7 - 2.2		
Silicon (mg/L)	1	1.89	1.89	6	2.10	1.86 - 2.42		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	7.0	7.0	6	11.4	6.5 - 18.4	(200.0)	
Strontium (mg/L)	1	0.439	0.439	6	0.431	0.391 - 0.479	7.000	
Sulphate Dissolved (mg/L)	1	59.7	59.7	6	70.6	59.7 - 83.0	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	181.0	181.0	6	176.2	174.0 - 181.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.9 Clareview Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.4	1.4	6	1.3	0.9 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Chloroform (µg/L)	1	25.0	25.0	6	24.8	9.6 - 38.6		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.3	1.3	21	1.7	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	6	1.4	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	<0.5	<0.5		

2.2.10 Discovery Park Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	6	0.8	0.5 - 1.1	(15.0)	10.0
Conductivity (µS/cm)	1	363.0	363.0	6	387.8	363.0 - 419.0		
pH	1	8	8	21	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.13	47	0.18	0.07 - 0.65	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.055	0.055	6	0.061	0.055 - 0.067	2.000	
Boron (mg/L)	1	0.008	0.008	6	0.010	0.008 - 0.012	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	6	0.12	<0.1 - 0.14	1.00	
Chlorine total (mg/L)	4	1.51	1.38 - 1.66	47	1.37	1.00 - 1.87		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002		
Fluoride (mg/L)	1	0.68	0.68	7	0.67	0.62 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.05	0.05	22	0.04	0.02 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	22	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005		
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				2	18.2	16.0 - 20.4		
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	50.0	
Microcystin total (µg/L)				1	<0.15	<0.15		
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4		
Nitrosodimethylamine, N- [NDMA] (µg/L)				2	0.00304	0.00216 - 0.00392		
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	19.3	19.3	6	22.7	12.6 - 36.2	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.050	<0.050		
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.050	<0.050		
Atrazine + metabolites (µg/L)				1	<0.10	<0.10		
Bromoxynil (µg/L)				1	<0.050	<0.050		
Carbaryl (µg/L)				1	<0.050	<0.050		
Chlorpyrifos (µg/L)				1	<0.10	<0.10		
Cyanazine (µg/L)				1	<0.100	<0.100		
Diazinon (µg/L)				1	<0.0250	<0.0250		
Dicamba (µg/L)				1	<0.10	<0.10		
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Diclofop-methyl (µg/L)				1	<0.100	<0.100		
Dimethoate (µg/L)				1	<0.050	<0.050		
Diquat (µg/L)				1	<1.0	<1.0		
Diuron (µg/L)				1	<0.050	<0.050		
Glyphosate (µg/L)				1	<1.00	<1.00		
Malathion (µg/L)				1	<0.0250	<0.0250		
Metolachlor (µg/L)				1	<0.0250	<0.0250		
Metribuzin (µg/L)				1	<0.100	<0.100		
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50		
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)				1	<2.0	<2.0		
Phorate (µg/L)				1	<0.250	<0.250		
Picloram (µg/L)				1	<0.10	<0.10		
Simazine (µg/L)				1	<0.100	<0.100		
Terbufos (µg/L)				1	<0.50	<0.50		
Tetrachlorophenol (2,3,4,6) (µg/L)				1	<0.50	<0.50		
Total PFAS (ng/L)				1	<12.0	<12.0		
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20		
Trifluralin (µg/L)				1	<0.10	<0.10		

2.2.10 Discovery Park Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	118.0	118.0	6	114.5	110.0 - 118.0		
Aluminum (mg/L)	1	0.138	0.138	6	0.099	0.066 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.17	0.17	42	0.18	0.12 - 0.25		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.6	47.6	6	47.3	46.2 - 48.6		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	6	117.8	115.0 - 121.0		
Chloride Dissolved (mg/L)	1	6.1	6.1	6	6.60	5.70 - 7.59	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	0.006	<0.005 - 0.008	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	6	0.0033	0.0030 - 0.0038		
Magnesium (mg/L)	1	14.4	14.4	6	14.5	13.9 - 15.0		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	6	0.0007	0.0005 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.87	0.78 - 0.92	47	0.90	0.47 - 0.98		
Phosphorus (mg/L)	1	0.96	0.96	6	1.00	0.95 - 1.08		
Potassium (mg/L)	1	0.7	0.7	6	0.9	0.7 - 1.0		
Silicon (mg/L)	1	1.89	1.89	6	2.03	1.78 - 2.41		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	7.3	7.3	6	11.1	6.7 - 17.1	(200.0)	
Strontium (mg/L)	1	0.454	0.454	6	0.440	0.392 - 0.480	7.000	
Sulphate Dissolved (mg/L)	1	57.7	57.7	6	69.7	57.7 - 83.3	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015		
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	178.0	178.0	6	177.8	174.0 - 181.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.10 Discovery Park Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.9	0.9	6	1.1	0.8 - 1.3		
Bromoform (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	18.4	18.4	6	21.5	11.4 - 34.8		
Dibromoacetic acid (µg/L)				2	<1.00	<1.00		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroacetic acid (µg/L)				2	9.63	8.75 - 10.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Methoxychlor (µg/L)				1	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	(15.0)	
Monobromoacetic acid (µg/L)				2	<1.00	<1.00		
Monochloroacetic acid (µg/L)				2	<1.00	<1.00		
Styrene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	21	1.6	0.9 - 2.3		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	6	1.5	<1.0 - 2.9		
Trichloroacetic acid (µg/L)				2	8.61	7.28 - 9.94		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		

2.2.11 Kaskitayo Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	6	1.1	<0.5 - 1.6	(15.0)	10.0
Conductivity (µS/cm)	1	363.0	363.0	6	387.3	353.0 - 416.0		
pH	1	8	8	21	8	8		7 - 8
Turbidity (NTU)	4	0.13	0.11 - 0.18	47	0.12	0.04 - 0.37	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.054	0.054	6	0.061	0.054 - 0.068	2.000	
Boron (mg/L)	1	0.007	0.007	6	0.012	0.007 - 0.026	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	6	0.11	<0.1 - 0.13	1.00	
Chlorine total (mg/L)	4	1.95	1.78 - 2.03	47	1.91	1.62 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	7	0.67	0.65 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.04	0.04	22	0.03	0.01 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	22	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	13.0	13.0	6	22.0	7.7 - 45.7	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	118.0	118.0	6	114.2	108.0 - 118.0		
Aluminum (mg/L)	1	0.129	0.129	6	0.069	0.028 - 0.129	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.15	0.15	42	0.13	0.07 - 0.20		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.3	47.3	6	47.1	45.9 - 48.0		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	6	117.5	115.0 - 120.0		
Chloride Dissolved (mg/L)	1	6.0	6.0	6	7.23	5.43 - 9.06	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	6	0.0033	0.0031 - 0.0035		
Magnesium (mg/L)	1	14.3	14.3	6	14.3	13.9 - 14.9		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	6	0.0007	0.0005 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	5	0.86	0.80 - 0.90	48	0.91	0.47 - 0.98		
Phosphorus (mg/L)	1	0.94	0.94	6	0.99	0.94 - 1.04		
Potassium (mg/L)	1	0.7	0.7	6	1.0	0.7 - 1.8		
Silicon (mg/L)	1	1.85	1.85	6	2.02	1.85 - 2.21		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	7.2	7.2	6	12.2	6.6 - 16.5	(200.0)	
Strontium (mg/L)	1	0.449	0.449	6	0.436	0.389 - 0.483	7.000	
Sulphate Dissolved (mg/L)	1	57.8	57.8	6	70.2	57.8 - 79.2	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	6	176.5	172.0 - 181.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.11 Kaskitayo Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.9	0.9	6	1.1	0.8 - 1.5		
Bromoform (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	12.2	12.2	6	20.8	6.7 - 43.9		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	21	1.7	0.9 - 2.3		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	6	1.5	<1.0 - 2.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		

2.2.12 Londonderry Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				5	1.2	<0.5 - 2.5	(15.0)	10.0
Conductivity (µS/cm)				5	396.6	372.0 - 412.0		
pH				21	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.10 - 0.23	47	0.13	0.05 - 1.08	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				5	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				5	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				5	0.062	0.052 - 0.070	2.000	
Boron (mg/L)				5	0.011	0.009 - 0.012	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.26	0.20 - 0.31	1.00	
Chlorine total (mg/L)	4	1.91	1.90 - 1.93	47	1.83	1.45 - 2.04		1.00 - 2.40
Chlorite Dissolved (mg/L)				5	<0.005	<0.005	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.72	0.68 - 0.80	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050		
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				21	0.04	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)				21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0002	0.0002 - 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	<1.00	<0.5 - <1.00	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	28.0	10.1 - 52.8	100.0	50.0
Vinyl Chloride (µg/L)				5	1.10	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				5	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.12 Londonderry Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	112.8	107.0 - 130.0		
Aluminum (mg/L)				5	0.064	0.017 - 0.112	2.900 (0.100)	
Ammonia as NH3 (mg/L)				41	0.15	0.11 - 0.21		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.03	<0.03		
Calcium (mg/L)				5	48.2	45.9 - 53.3		
Calcium Hardness (mg/L CaCO3)				5	120.4	115.0 - 133.0		
Chloride Dissolved (mg/L)				5	6.3	4.9 - 8.7	(250.0)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				5	0.010	<0.005 - 0.030	(0.100)	
Lithium (mg/L)				5	0.0036	0.0033 - 0.0039		
Magnesium (mg/L)				5	14.6	14.0 - 16.7		
Manganese (mg/L)				5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				5	0.0007	0.0007 - 0.0008		
Nickel (mg/L)				5	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.96	47	0.92	0.86 - 1.04		
Phosphorus (mg/L)				5	0.98	0.96 - 1.00		
Potassium (mg/L)				5	1.0	0.7 - 1.4		
Silicon (mg/L)				5	2.17	1.76 - 2.49		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	11.9	7.0 - 19.0	(200.0)	
Strontium (mg/L)				5	0.425	0.382 - 0.463	7.000	
Sulphate Dissolved (mg/L)				5	75.8	67.7 - 86.6	(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	180.6	172.0 - 202.0		
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		

2.2.12 Londonderry Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				5	1.3	0.8 - 1.7		
Bromoform (µg/L)				5	0.6	<0.5 - 1.0		
Chloroform (µg/L)				5	26.6	9.2 - 51.2		
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	<20	<1.0 - <20		
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)				20	1.8	1.1 - 2.9		
Total Volatile Organics (Non THM) (µg/L)				4	1.2	<1.0 - 1.6		
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	0.56	<0.30 - 1.00		
Xylene (1,4) (µg/L)				5	0.58	<0.40 - 1.00		

2.2.13 Millwoods Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				5	1.1	0.6 - 1.6	(15.0)	10.0
Conductivity (µS/cm)				5	403.8	375.0 - 433.0		
pH				20	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.14	47	0.11	0.05 - 0.46	(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	0.051 - 0.070	2.000	
Boron (mg/L)				5	0.010	0.009 - 0.012	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.17	0.12 - 0.23	1.00	
Chlorine total (mg/L)	4	1.98	1.95 - 2.01	47	1.92	1.68 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				5	<0.005	<0.005	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.67	0.62 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				21	0.03	0.01 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)				21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				5	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				6	0.6	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)				6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				6	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)				6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				6	25.8	<1.0 - 63.7	100.0	50.0
Vinyl Chloride (µg/L)				6	1.08	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				6	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.13 Millwoods Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	116.4	107.0 - 130.0		
Aluminum (mg/L)				5	0.068	0.020 - 0.156	2.900 (0.100)	
Ammonia as NH3 (mg/L)				40	0.13	0.08 - 0.18		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.03	<0.03		
Calcium (mg/L)				5	48.9	46.9 - 53.5		
Calcium Hardness (mg/L CaCO3)				5	122.2	117.0 - 134.0		
Chloride Dissolved (mg/L)				5	6.5	5.5 - 6.9	(250.0)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				5	<0.005	<0.005	(0.100)	
Lithium (mg/L)				5	0.0034	0.0029 - 0.0039		
Magnesium (mg/L)				5	14.8	14.2 - 16.6		
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	0.87	0.80 - 0.92	46	0.90	0.47 - 0.98		
Phosphorus (mg/L)				5	0.98	0.96 - 1.00		
Potassium (mg/L)				5	0.9	0.7 - 1.2		
Silicon (mg/L)				5	2.13	1.79 - 2.46		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	12.7	7.6 - 20.6	(200.0)	
Strontium (mg/L)				5	0.434	0.381 - 0.468	7.000	
Sulphate Dissolved (mg/L)				5	76.0	62.3 - 89.3	(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	183.0	176.0 - 202.0		
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		

2.2.13 Millwoods Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				6	1.2	<0.5 - 1.9		
Bromoform (µg/L)				6	0.6	<0.5 - 1.0		
Chloroform (µg/L)				6	24.5	<0.5 - 61.8	(40.0)	
Dibromochloromethane (µg/L)				6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				6	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)				6	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)				6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)				20	1.8	1.1 - 2.8		
Total Volatile Organics (Non THM) (µg/L)				5	1.3	<1.0 - 2.3		
Trichlorobenzene (1,2,4) (µg/L)				6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				6	0.55	<0.30 - 1.00		
Xylene (1,4) (µg/L)				6	0.57	<0.40 - 1.00		

2.2.14 North Jasper Place Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.6	0.6	6	1.0	0.5 - 1.5	(15.0)	10.0
Conductivity (µS/cm)	1	363.0	363.0	6	390.8	363.0 - 419.0		
pH	1	8	8	21	8	8		7 - 8
Turbidity (NTU)	4	0.15	0.12 - 0.16	46	0.11	0.06 - 0.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.055	0.055	6	0.061	0.055 - 0.067	2.000	
Boron (mg/L)	1	0.008	0.008	6	0.012	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	6	0.11	<0.1 - 0.12	1.00	
Chlorine total (mg/L)	4	1.63	1.42 - 1.79	46	1.56	1.17 - 2.18		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	7	0.66	0.62 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.05	0.05	21	0.05	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	19.6	19.6	6	24.7	11.0 - 44.9	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	117.0	117.0	6	114.7	107.0 - 120.0		
Aluminum (mg/L)	1	0.161	0.161	6	0.068	0.025 - 0.161	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.18	0.18	41	0.17	0.10 - 0.29		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.2	47.2	6	47.5	45.9 - 49.0		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	6	118.5	115.0 - 122.0		
Chloride Dissolved (mg/L)	1	6.1	6.1	6	7.04	5.65 - 8.43	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.006	0.006	6	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	6	0.0033	0.0029 - 0.0037		
Magnesium (mg/L)	1	14.2	14.2	6	14.3	13.5 - 15.2		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0006	0.0006	6	0.0007	0.0006 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.88	0.80 - 0.92	46	0.91	0.80 - 0.96		
Phosphorus (mg/L)	1	0.94	0.94	6	0.98	0.94 - 1.08		
Potassium (mg/L)	1	0.7	0.7	6	0.9	0.7 - 1.5		
Silicon (mg/L)	1	1.85	1.85	6	2.07	1.73 - 2.42		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	7.4	7.4	6	12.5	6.6 - 18.9	(200.0)	
Strontium (mg/L)	1	0.447	0.447	6	0.431	0.398 - 0.467	7.000	
Sulphate Dissolved (mg/L)	1	58.2	58.2	6	72.7	58.2 - 87.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	176.0	176.0	6	177.2	172.0 - 185.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.14 North Jasper Place Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.1	1.1	6	1.2	0.8 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	18.5	18.5	6	23.3	10.1 - 43.1		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	20	1.6	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	6	1.6	<1.0 - 3.3		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		

2.2.15 Ormsby Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				5	1.1	0.7 - 1.3	(15.0)	10.0
Conductivity (µS/cm)				5	409.8	376.0 - 442.0		
pH				20	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.12	47	0.09	<0.04 - 0.19	(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	0.063	0.053 - 0.070	2.000	
Boron (mg/L)				5	0.012	0.009 - 0.015	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.13	0.10 - 0.16	1.00	
Chlorine total (mg/L)	4	1.95	1.91 - 1.99	47	1.85	1.49 - 2.11		1.00 - 2.40
Chlorite Dissolved (mg/L)				5	<0.005	<0.005	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.66	0.64 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				21	0.03	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)				21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0002	0.0002 - 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	200.0 (3.0)	
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	<1.00	<0.5 - <1.00	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	29.2	7.2 - 54.5	100.0	50.0
Vinyl Chloride (µg/L)				5	1.10	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				5	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.15 Ormsby Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	116.2	106.0 - 130.0		
Aluminum (mg/L)				5	0.073	0.020 - 0.180	2.900 (0.100)	
Ammonia as NH3 (mg/L)				41	0.14	0.08 - 0.19		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.03	<0.03		
Calcium (mg/L)				5	48.3	46.4 - 52.6		
Calcium Hardness (mg/L CaCO3)				5	120.6	116.0 - 131.0		
Chloride Dissolved (mg/L)				5	6.9	5.7 - 7.3	(250.0)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				5	<0.005	<0.005	(0.100)	
Lithium (mg/L)				5	0.0033	0.0028 - 0.0039		
Magnesium (mg/L)				5	14.6	13.9 - 16.6		
Manganese (mg/L)				5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				5	0.0007	0.0007 - 0.0009		
Nickel (mg/L)				5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.85	0.78 - 0.90	47	0.90	0.47 - 0.98		
Phosphorus (mg/L)				5	0.99	0.97 - 1.03		
Potassium (mg/L)				5	0.9	0.7 - 1.4		
Silicon (mg/L)				5	2.13	1.83 - 2.43		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	14.0	7.7 - 22.7	(200.0)	
Strontium (mg/L)				5	0.432	0.381 - 0.473	7.000	
Sulphate Dissolved (mg/L)				5	77.4	61.8 - 92.6	(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	181.2	174.0 - 200.0		
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		

2.2.15 Ormsby Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				5	1.2	0.6 - 2.0		
Bromoform (µg/L)				5	0.6	<0.5 - 1.0		
Chloroform (µg/L)				5	27.8	6.5 - 53.0	(40.0)	
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	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)				5	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
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)				20	1.7	1.0 - 2.7		
Total Volatile Organics (Non THM) (µg/L)				4	1.3	<1.0 - 1.9		
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	0.56	<0.30 - 1.00		
Xylene (1,4) (µg/L)				5	0.58	<0.40 - 1.00		

2.2.16 Papaschase Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				5	0.9	0.6 - 1.1	(15.0)	10.0
Conductivity (µS/cm)				5	399.2	372.0 - 412.0		
pH				20	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.05 - 0.17	47	0.15	0.05 - 0.36	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				5	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				5	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				5	0.062	0.055 - 0.069	2.000	
Boron (mg/L)				5	0.012	0.009 - 0.016	5.000	
Bromate Dissolved (mg/L)				5	<0.005	<0.005	0.010	
Cadmium (mg/L)				5	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				5	0.27	0.22 - 0.31	1.00	
Chlorine total (mg/L)	4	2.01	1.99 - 2.03	47	1.67	1.28 - 2.03		1.00 - 2.40
Chlorite Dissolved (mg/L)				5	<0.005	<0.005	1.000	
Chromium (mg/L)				5	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				5	0.70	0.67 - 0.75	1.50	0.60 - 0.80
Lead (mg/L)				5	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050		
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				21	0.04	0.02 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)				21	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				5	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				5	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)				6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)				6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)				6	0.6	<0.5 - 1.0	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)				6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)				6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)				6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				6	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)				6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)				6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)				6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)				6	24.5	<1.0 - 53.8	100.0	50.0
Vinyl Chloride (µg/L)				6	1.08	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				6	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.16 Papaschase Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				5	112.0	105.0 - 130.0		
Aluminum (mg/L)				5	0.056	0.018 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)				40	0.18	0.12 - 0.24		
Beryllium (mg/L)				5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				5	<0.03	<0.03		
Calcium (mg/L)				5	47.9	45.7 - 52.8		
Calcium Hardness (mg/L CaCO3)				5	119.6	114.0 - 132.0		
Chloride Dissolved (mg/L)				5	6.7	5.1 - 9.9	(250.0)	
Cobalt (mg/L)				5	<0.0002	<0.0002		
Copper (mg/L)				5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				5	0.016	0.010 - 0.025	(0.100)	
Lithium (mg/L)				5	0.0037	0.0033 - 0.0041		
Magnesium (mg/L)				5	14.4	13.6 - 16.3		
Manganese (mg/L)				5	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				5	0.0008	0.0006 - 0.0009		
Nickel (mg/L)				5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.96	46	0.89	0.45 - 0.96		
Phosphorus (mg/L)				5	0.96	0.94 - 0.98		
Potassium (mg/L)				5	1.0	0.7 - 1.7		
Silicon (mg/L)				5	2.20	1.87 - 2.54		
Silver (mg/L)				5	<0.00002	<0.00002		
Sodium (mg/L)				5	12.1	7.3 - 18.1	(200.0)	
Strontium (mg/L)				5	0.432	0.382 - 0.468	7.000	
Sulphate Dissolved (mg/L)				5	75.7	66.9 - 86.5	(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	179.0	170.0 - 199.0		
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		

2.2.16 Papaschase Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				6	1.2	<0.5 - 1.8		
Bromoform (µg/L)				6	0.6	<0.5 - 1.0		
Chloroform (µg/L)				6	23.2	<0.5 - 52.4	(40.0)	
Dibromochloromethane (µg/L)				6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)				6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)				6	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)				6	0.6	<0.5 - 1.0	100.0 (15.0)	50.0
Styrene (µg/L)				6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)				6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)				20	1.8	1.1 - 2.7		
Total Volatile Organics (Non THM) (µg/L)				5	1.2	<1.0 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)				6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)				6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)				6	0.55	<0.30 - 1.00		
Xylene (1,4) (µg/L)				6	0.57	<0.40 - 1.00		

2.2.17 Papaschase Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	6	0.9	<0.5 - 1.4	(15.0)	10.0
Conductivity (µS/cm)	1	360.0	360.0	6	383.0	348.0 - 424.0		
pH	1	8	8	21	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.10 - 0.13	48	0.41	0.06 - 14.00	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.054	0.054	6	0.061	0.054 - 0.067	2.000	
Boron (mg/L)	1	0.008	0.008	6	0.012	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.27	0.27	6	0.26	0.1 - 0.33	1.00	
Chlorine total (mg/L)	4	1.95	1.90 - 1.98	47	1.86	1.54 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.72	0.72	7	0.70	0.66 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.05	0.05	22	0.04	0.02 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	22	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	18.5	18.5	6	25.3	10.1 - 45.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	117.0	117.0	6	113.2	107.0 - 118.0		
Aluminum (mg/L)	1	0.112	0.112	6	0.073	0.031 - 0.112	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.13	0.13	42	0.15	0.10 - 0.24		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.6	47.6	6	47.0	46.3 - 47.8		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	6	117.5	116.0 - 119.0		
Chloride Dissolved (mg/L)	1	5.1	5.1	6	6.76	4.96 - 10.90	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	6	0.0035	0.0030 - 0.0040		
Magnesium (mg/L)	1	14.2	14.2	6	14.3	13.9 - 14.9		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0005	0.0005	6	0.0007	0.0005 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	47	0.92	0.45 - 2.25		
Phosphorus (mg/L)	1	0.99	0.99	6	0.96	0.93 - 1.04		
Potassium (mg/L)	1	0.7	0.7	6	1.0	0.7 - 1.9		
Silicon (mg/L)	1	1.85	1.85	6	2.07	1.85 - 2.37		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	6.8	6.8	6	10.8	6.3 - 16.9	(200.0)	
Strontium (mg/L)	1	0.445	0.445	6	0.434	0.389 - 0.483	7.000	
Sulphate Dissolved (mg/L)	1	58.3	58.3	6	69.2	58.3 - 82.1	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	6	176.3	173.0 - 180.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.17 Papaschase Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.1	1.1	6	1.3	0.9 - 1.8		
Bromoform (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	17.4	17.4	6	23.9	9.0 - 43.5		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	21	1.7	0.9 - 2.4		
Total Volatile Organics (Non THM) (µg/L)	1	1.2	1.2	6	1.5	<1.0 - 3.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		

2.2.18 Rosslyn Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	1.1	<0.5 - 1.4	(15.0)	10.0
Conductivity (µS/cm)				4	399.0	371.0 - 426.0		
pH				20	8	8		7 - 8
Turbidity (NTU)	4	0.15	0.13 - 0.19	45	0.13	<0.04 - 0.38	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				4	0.062	0.052 - 0.070	2.000	
Boron (mg/L)				4	0.011	0.010 - 0.012	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.24	0.20 - 0.29	1.00	
Chlorine total (mg/L)	4	1.80	1.74 - 1.88	45	1.73	1.29 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.005	<0.005	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				4	0.70	0.63 - 0.77	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	0.0396	0.0396		
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				20	0.03	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)				20	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	0.0200	
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	<1.00	<0.5 - <1.00	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	32.6	9.5 - 58.8	100.0	50.0
Vinyl Chloride (µg/L)				4	1.13	<0.50 - 2.00	2.00	
Xylenes total (µg/L)				4	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.18 Rosslyn Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	108.3	106.0 - 110.0		
Aluminum (mg/L)				4	0.046	0.017 - 0.064	2.900 (0.100)	
Ammonia as NH3 (mg/L)				39	0.16	0.10 - 0.21		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.03	<0.03		
Calcium (mg/L)				4	46.9	45.5 - 48.3		
Calcium Hardness (mg/L CaCO3)				4	117.3	114.0 - 121.0		
Chloride Dissolved (mg/L)				4	6.7	5.0 - 8.4	(250.0)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	0.002	<0.002 - 0.002	2.000 (1.000)	
Iron (mg/L)				4	0.009	<0.005 - 0.016	(0.100)	
Lithium (mg/L)				4	0.0035	0.0030 - 0.0040		
Magnesium (mg/L)				4	14.1	13.7 - 14.4		
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	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.88 - 0.92	45	0.91	0.74 - 0.94		
Phosphorus (mg/L)				4	0.97	0.94 - 0.99		
Potassium (mg/L)				4	1.0	0.7 - 1.4		
Silicon (mg/L)				4	2.11	1.83 - 2.51		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	14.3	7.1 - 22.1	(200.0)	
Strontium (mg/L)				4	0.415	0.383 - 0.449	7.000	
Sulphate Dissolved (mg/L)				4	78.7	67.4 - 91.7	(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	175.0	171.0 - 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		

2.2.18 Rosslyn Reservoir 1

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.5	1.1 - 1.8		
Bromoform (µg/L)				4	0.6	<0.5 - 1.0		
Chloroform (µg/L)				4	31.0	8.4 - 57.0		
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	<20	<1.0 - <20		
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)				19	1.8	1.1 - 3.2		
Total Volatile Organics (Non THM) (µg/L)				3	1.4	<1.0 - 1.9		
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	0.58	<0.30 - 1.00		
Xylene (1,4) (µg/L)				4	0.60	<0.40 - 1.00		

2.2.19 Rosslyn Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.3	1.3	7	1.0	0.7 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	348.0	348.0	7	390.3	348.0 - 423.0		
pH	1	8	8	23	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.10 - 0.11	47	0.11	0.07 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.054	0.054	7	0.062	0.054 - 0.067	2.000	
Boron (mg/L)	1	0.008	0.008	7	0.011	0.008 - 0.020	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	7	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	7	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.23	0.23	7	0.21	0.1 - 0.27	1.00	
Chlorine total (mg/L)	4	1.68	1.62 - 1.72	47	1.58	1.22 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	7	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.71	0.71	8	0.68	0.64 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				5	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.04	0.04	23	0.04	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	23	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	7	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	7	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	21.2	21.2	7	22.4	10.4 - 41.1	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	7	1.1	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	7	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	117.0	117.0	7	116.6	110.0 - 128.0		
Aluminum (mg/L)	1	0.108	0.108	7	0.068	0.034 - 0.108	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.18	0.18	42	0.18	0.11 - 0.25		
Beryllium (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	7	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.1	47.1	7	48.2	46.3 - 51.7		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	7	120.6	116.0 - 129.0		
Chloride Dissolved (mg/L)	1	5.5	5.5	7	6.88	5.40 - 11.00	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	7	0.002	<0.002 - 0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	7	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)	1	0.0034	0.0034	7	0.0035	0.0031 - 0.0041		
Magnesium (mg/L)	1	14.2	14.2	7	14.7	13.8 - 16.3		
Manganese (mg/L)	1	<0.002	<0.002	7	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0006	0.0006	7	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	7	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.86 - 0.94	47	0.91	0.78 - 0.96		
Phosphorus (mg/L)	1	0.95	0.95	7	0.97	0.95 - 1.08		
Potassium (mg/L)	1	0.7	0.7	7	0.9	0.7 - 1.6		
Silicon (mg/L)	1	1.87	1.87	7	2.09	1.76 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	7	<0.00002	<0.00002		
Sodium (mg/L)	1	7.0	7.0	7	11.0	6.7 - 16.7	(200.0)	
Strontium (mg/L)	1	0.445	0.445	7	0.442	0.394 - 0.478	7.000	
Sulphate Dissolved (mg/L)	1	58.9	58.9	7	71.5	58.9 - 87.5	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	7	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	176.0	176.0	7	181.0	174.0 - 196.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	7	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	7	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	7	<0.001	<0.001		

2.2.19 Rosslyn Reservoir 2

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.3	1.3	7	1.2	<0.5 - 1.7		
Bromoform (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	19.9	19.9	7	21.1	9.5 - 39.2		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	7	1.1	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	22	1.7	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	7	1.5	<1.0 - 2.9		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	7	0.6	<0.5 - 1.0		

2.2.20 Thorncliff Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	6	1.0	0.6 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	364.0	364.0	6	392.8	364.0 - 423.0		
pH	1	8	8	21	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.12 - 0.19	47	0.22	0.04 - 1.74	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.055	0.055	6	0.061	0.055 - 0.068	2.000	
Boron (mg/L)	1	0.008	0.008	6	0.012	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	6	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	6	0.11	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	4	1.80	1.73 - 1.88	47	1.65	1.21 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	6	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.69	0.69	7	0.65	0.63 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.04	0.04	22	0.04	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	22	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	6	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	10.0	
Toluene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	5.0	
Trihalomethanes (µg/L)	1	19.3	19.3	6	22.8	9.6 - 41.1	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	6	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	117.0	117.0	6	114.5	109.0 - 118.0		
Aluminum (mg/L)	1	0.154	0.154	6	0.070	0.031 - 0.154	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.15	0.15	42	0.16	0.09 - 0.24		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	6	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	46.9	46.9	6	47.2	45.1 - 48.9		
Calcium Hardness (mg/L CaCO3)	1	117.0	117.0	6	117.8	113.0 - 122.0		
Chloride Dissolved (mg/L)	1	6.1	6.1	6	7.00	5.65 - 8.21	(250.00)	
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	6	0.0033	0.0029 - 0.0038		
Magnesium (mg/L)	1	14.3	14.3	6	14.4	13.8 - 15.2		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0006	0.0006	6	0.0007	0.0006 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	5	0.88	0.84 - 0.92	48	0.93	0.47 - 1.14		
Phosphorus (mg/L)	1	0.94	0.94	6	0.98	0.94 - 1.07		
Potassium (mg/L)	1	0.7	0.7	6	1.0	0.7 - 1.6		
Silicon (mg/L)	1	1.82	1.82	6	2.05	1.80 - 2.47		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	7.3	7.3	6	12.6	6.6 - 18.5	(200.0)	
Strontium (mg/L)	1	0.443	0.443	6	0.434	0.394 - 0.475	7.000	
Sulphate Dissolved (mg/L)	1	58.1	58.1	6	72.6	58.1 - 86.8	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	176.0	176.0	6	177.2	169.0 - 185.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.20 Thorncliff Reservoir

November 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	6	1.1	0.7 - 1.5		
Bromoform (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Chloroform (µg/L)	1	18.1	18.1	6	21.6	8.7 - 39.4		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	6	1.2	<1.0 - 2.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Total Organic Carbon (mg/L)	1	1.2	1.2	21	1.7	1.0 - 2.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	6	1.5	<1.0 - 2.7		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	6	0.6	<0.5 - 1.0		

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	34	634.0	52.8 - 13734.0	385	593.8	21.3 - 13734.0
Cryptosporidium (oocysts/100L)	3	17.6	4.8 - 33.0	27	7.6	<1 - 7.6
E. coli (MPN/100 mL)	34	30.6	3.0 - 524.0	385	37.7	1.0 - 3328.0
Giardia (cysts/100L)	3	286.7	220.0 - 410.0	27	106.6	<1.64 - 660.0
Physical						
Colour (TCU)	60	4.0	2.8 - 6.1	668	10.6	2.4 - 52.4
Conductivity (µS/cm)	8	341.6	332.0 - 358.0	94	351.4	313.0 - 412.0
pH	2	8	8	20	8	8 - 9
Total Dissolved Solids (mg/L)	2	194.00	192.00 - 196.00	22	205.45	178 - 331.00
Total Suspended Solids (mg/L)	2	85.5	2.9 - 168.0	22	17.8	<1.0 - 168.0
Turbidity (NTU)	60	3.65	1.11 - 80.20	668	12.21	1.00 - 275.00
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Arsenic (mg/L)	2	0.0009	0.0002 - 0.0016	22	0.0005	<0.0002 - 0.0016
Arsenic dissolved (mg/L)	2	<0.0002	<0.0002	22	0.0002	<0.0002 - 0.0004
Barium (mg/L)	2	0.085	0.056 - 0.113	22	0.070	0.055 - 0.113
Barium dissolved (mg/L)	2	0.056	0.055 - 0.057	22	0.062	0.055 - 0.071
Boron (mg/L)	2	0.012	0.009 - 0.014	22	0.011	0.008 - 0.015
Boron dissolved (mg/L)	2	0.009	0.008 - 0.010	22	0.010	0.008 - 0.013
Bromate Dissolved (mg/L)	8	<0.005	<0.005	94	0.005	<0.003 - 0.005
Cadmium (mg/L)	2	0.00005	<0.00002 - 0.00008	22	0.00002	<0.00002 - 0.00008
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	22	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	94	<0.1	<0.01 - <0.1
Chlorine total (mg/L)	2	<0.03	<0.03	20	0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	94	<0.2	<0.005 - <0.2
Chromium (mg/L)	2	0.0034	0.0002 - 0.0065	22	0.0009	<0.0002 - 0.0065
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Cyanide (mg/L)				8	<0.002	<0.002
Fluoride (mg/L)	8	0.11	0.11 - 0.12	94	0.12	0.09 - 0.14
Lead (mg/L)	2	0.0015	<0.0002 - 0.0027	22	0.0004	<0.0002 - 0.0027
Lead dissolved (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Mercury (µg/L)	2	0.0065	<0.0050 - 0.0079	12	0.0052	<0.0050 - 0.0079
Mercury (mg/L)				20	0.0002	<0.0002
Mercury dissolved (µg/L)	2	<0.0050	<0.0050	4	<0.0050	<0.0050
Mercury Dissolved (mg/L)				20	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.05	0.03 - 0.06	92	0.05	<0.01 - 0.19
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	92	0.01	<0.01
Selenium (mg/L)	2	0.0003	0.0002 - 0.0004	22	0.0003	0.0002 - 0.0004
Selenium Dissolved (mg/L)	2	0.0002	0.0002	22	0.0003	0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	<0.0005 - 0.0007	22	0.0005	<0.0005 - 0.0007
Uranium dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)	2	<0.050	<0.050	8	<0.250	<0.050 - <0.250
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	2	<0.050	<0.050	8	<0.250	<0.050 - <0.250
Atrazine + metabolites (µg/L)				8	<0.10	<0.10
Benzene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)				8	<0.005	<0.005
Bromoxynil (µg/L)	2	<0.050	<0.050	8	<0.250	<0.050 - <0.250
Carbaryl (µg/L)				8	<0.050	<0.050
Carbon Tetrachloride (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)				8	<0.10	<0.10
Cyanazine (µg/L)				8	<0.100	<0.100
Diazinon (µg/L)				8	<0.0250	<0.0250
Dicamba (µg/L)	2	<0.10	<0.10	8	<0.50	<0.10 - <0.50
Dichlorobenzene (1,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichlorobenzene (1,4) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)				8	<0.20	<0.20
Diclofop-methyl (µg/L)				8	<0.100	<0.100
Dimethoate (µg/L)				8	<0.050	<0.050
Diquat (µg/L)				8	<1.0	<1.0
Diuron (µg/L)				8	<0.050	<0.050
Ethylbenzene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Glyphosate (µg/L)				8	<1.00	<0.20 - <1.00
Malathion (µg/L)				8	<0.0250	<0.0250
Methylene Chloride (Dichloromethane) (µg/L)	60	<0.5	<0.5	668	<1.00	<0.5 - <1.00
Metolachlor (µg/L)				8	<0.0250	<0.0250
Metribuzin (µg/L)				8	<0.100	<0.100
Microcystin total (µg/L)				8	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)				8	<0.4	<0.4
Omethoate (as dimethoate) (µg/L)				8	<0.16	<0.16
Pentachlorophenol (µg/L)				8	<0.50	<0.50
Phorate (µg/L)				8	<0.250	<0.250
Picloram (µg/L)	2	<0.10	<0.10	8	<0.50	<0.10 - <0.50
Simazine (µg/L)				8	<0.100	<0.100
Terbufos (µg/L)				8	<0.50	<0.50
Tetrachloroethylene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Tetrachlorophenol (2,3,4,6) (µg/L)				8	<0.50	<0.50
Toluene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)				8	<0.20	<0.20
Trifluralin (µg/L)				8	<0.10	<0.10
Trihalomethanes (µg/L)	60	<1.0	<1.0	668	<1.0	<1.0
Vinyl Chloride (µg/L)	60	<1.0	<1.0	668	<1.0	<0.50 - <1.0
Xylenes total (µg/L)	60	<1.0	<1.0	668	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Cesium-137 (Bq/L)				4	<0.2	<0.1 - <0.2
Gross Alpha (Bq/L)				4	<0.47	<0.12 - <0.47
Gross Beta (Bq/L)				4	0.23	<0.08 - 0.70
Iodine-131 (Bq/L)				4	<0.4	<0.4
Lead-210 (Bq/L)				4	<0.04	<0.02 - <0.04
Radium-226 (Bq/L)				4	0.012	<0.005 - 0.030
Strontium-90 (Bq/L)				4	<0.1	<0.05 - <0.1
Tritium (Bq/L)				4	<40	<40
Secondary Organics						
Bromodichloromethane (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Bromoform (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Chloroform (µg/L)	60	<0.5	<0.5	668	0.5	<0.5 - 0.5
Dibromochloromethane (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	60	<1.0	<1.0	668	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Styrene (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	1.6	1.1 - 3.5	94	2.7	0.9 - 9.2
Total Volatile Organics (Non THM) (µg/L)	60	1.1	<1.0 - 1.6	608	1.2	<1.0 - 3.8
Trichlorobenzene (1,2,4) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	60	<0.5	<0.5	668	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	60	<0.5	<0.5	668	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	60	<0.5	<0.5	668	<0.5	<0.40 - <0.5

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)	2	<3	<3	20	<3	<3
Alkalinity total (mg CaCO3/L)	8	122.6	120.0 - 129.0	94	125.7	109.0 - 174.0
Aluminum (mg/L)	2	2.455	0.160 - 4.750	22	0.617	0.078 - 4.750
Ammonia as NH3 (mg/L)	26	0.05	<0.05 - 0.06	360	0.05	<0.01 - 0.12
Beryllium (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Bromide Dissolved (mg/L)	8	<0.03	<0.03	94	<0.05	<0.03 - <0.05
Calcium (mg/L)	2	50.6	46.5 - 54.6	22	47.4	42.8 - 54.6
Calcium Hardness (mg/L CaCO3)	8	115.3	108.0 - 136.0	94	114.0	98.0 - 136.0
Chloride Dissolved (mg/L)	8	0.7	0.5 - 0.8	94	1.29	0.40 - 6.74
Chlorine free (mg/L)	2	<0.07	<0.07	20	0.07	<0.07
Cobalt (mg/L)	2	0.0012	<0.0002 - 0.0021	22	0.0003	<0.0002 - 0.0021
Copper (mg/L)	2	0.006	<0.002 - 0.010	22	0.003	<0.002 - 0.010
Iron (mg/L)	2	2.373	0.146 - 4.600	22	0.572	0.041 - 4.600
Lithium (mg/L)	2	0.0053	0.0034 - 0.0071	22	0.0041	0.0030 - 0.0071
Magnesium (mg/L)	2	15.7	14.6 - 16.8	22	14.7	13.5 - 17.3
Manganese (mg/L)	2	0.092	0.005 - 0.179	22	0.019	<0.002 - 0.179
Molybdenum (mg/L)	2	0.0007	0.0006 - 0.0007	22	0.0007	0.0005 - 0.0010
Nickel (mg/L)	2	0.0034	<0.0005 - 0.0062	22	0.0012	<0.0005 - 0.0062
Nitrogen Total Kjeldahl (TKN) (mg/L N)	2	0.2	<0.1 - 0.2	113	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	20	0.02	<0.02 - 0.04
Phosphorus (mg/L)	2	0.09	0.02 - 0.15	22	0.04	<0.02 - 0.15
Potassium (mg/L)	2	1.3	0.7 - 1.9	22	1.0	0.6 - 1.9
Silicon (mg/L)	2	6.42	1.94 - 10.90	22	3.06	1.60 - 10.90
Silver (mg/L)	2	0.00003	<0.00002 - 0.00003	22	0.00002	<0.00002 - 0.00003
Sodium (mg/L)	2	3.3	3.2 - 3.4	22	4.4	2.7 - 8.7
Strontium (mg/L)	2	0.466	0.458 - 0.473	22	0.441	0.375 - 0.485
Sulphate Dissolved (mg/L)	8	54.2	52.7 - 56.0	94	54.5	40.0 - 70.3
Sulphide (mg/L)				8	<0.0015	<0.0015
Thallium (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Tin (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Titanium (mg/L)	2	0.0512	0.0027 - 0.0996	22	0.0124	0.0006 - 0.0996
Total Hardness (mg/L CaCO3)	8	170.1	165.0 - 178.0	94	171.9	146.0 - 202.0
Zinc (mg/L)	2	0.013	<0.005 - 0.021	22	0.006	<0.005 - 0.021
Zirconium (mg/L)	2	0.002	<0.001 - 0.002	22	0.001	<0.001 - 0.002

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

November 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.008	<0.005 - 0.010	22	0.035	<0.005 - 0.275
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Calcium dissolved (mg/L)	2	45.9	45.7 - 46.0	22	46.9	42.8 - 55.6
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Copper dissolved (mg/L)	2	<0.002	<0.002	22	0.003	<0.002 - 0.005
Iron dissolved (mg/L)	2	0.006	<0.005 - 0.006	22	0.008	<0.005 - 0.022
Lanthanum Dissolved (mg/L)	2	<0.001	<0.001	22	0.001	<0.001
Lithium dissolved (mg/L)	2	0.0032	0.0031 - 0.0033	22	0.0037	0.0028 - 0.0045
Magnesium dissolved (mg/L)	2	14.0	13.9 - 14.1	22	14.4	13.1 - 17.2
Manganese dissolved (mg/L)	2	<0.002	<0.002	22	0.002	<0.002 - 0.005
Molybdenum dissolved (mg/L)	2	0.0005	0.0005	22	0.0007	0.0005 - 0.0010
Nickel dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0006	<0.0005 - 0.0021
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	22	0.02	<0.02
Potassium dissolved (mg/L)	2	0.6	0.6	22	0.9	0.6 - 1.9
Silicon dissolved (mg/L)	2	1.68	1.67 - 1.69	22	2.00	1.42 - 2.66
Silver dissolved (mg/L)	2	<0.00002	<0.00002	22	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	3.2	3.1 - 3.3	22	4.4	2.6 - 8.7
Strontium dissolved (mg/L)	2	0.444	0.440 - 0.447	22	0.435	0.378 - 0.484
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Tin dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	22	0.005	<0.005 - 0.005
Zirconium dissolved (mg/L)	2	<0.001	<0.001	22	0.001	<0.001