EDMONTON WATERWORKS MONTHLY REPORT

May 2026

PROVIDING MORE EPCOR

TABLE OF CONTENTS

2.0 WATER QUALITY

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 May, Rossdale Plant had 1 planned shutdown and 1 bypass.

Date	Type	Bypass Description
May 6	Planned	33.75 hours – Plant was shutdown for planned maintenance and project work.
May 11	Planned	1 hour – bypass for planned project work.

In May, E.L. Smith Plant had 1 planned shutdown and 1 bypass.

Date	Type	Bypass Description
May 13	Planned	10.93 hours - Plant was shut down for planned maintenance and project work.
May 14	Unplanned	0.3 hours – bypass due power bump.

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

Monthly Highlights

- On May 26th, the Rossdale Water Treatment Plant UV Reactor 3 experienced operational issues. This resulted in a brief period, lasting less than 60 seconds, where filtered water received a low UV dose. The UV reactor continued to run because these short periods did not meet the threshold that would trigger an automatic filter shutdown.

Chemical Dosing Highlights

In May, 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 – May 2026

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20260505-795899-v1	About 70 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	May 5, 2026	452829
ENV-20260524-185605-v1	EPCOR WDT System Maintenance collected a sample from Hydrant H26717 after a City of Edmonton drink station installation. This is part of the City of Edmonton's annual drink station program. On May 24, 2026 at 10:55 hrs, the laboratory results indicated that the sample failed for total coliforms. AEPA was notified of these lab results on May 24, 2026 at 11:1 Following the failed sample, an EPCOR emergency response member was dispatched to site to collect four (4) resamples. After samples were collected the hydrant control valve for H26717 was closed as a precautionary measure. On May 26th, 2026 at 12:45 hrs, the lab reported a failed sample at the drink station, the three (3) other system samples had passed. On May 27 2026, 10:00 hrs. crews super-chlorinated H26717 to 100mg/L chlorine (bleach 6%) and let sit for 3 hours. Flushed and sampled, closed and stoppered the HCV. Crews connected a separate super-chlorinated hose to the drinking station, and station tap set with 100mg/L chlorine (bleach 6%) and let sit for 3 hours. Flushed, sampled and submitted to the lab for testing. All re-sample results were within specification for water quality parameters.	May 22, 2026	453675

1.1.3 Alberta Environment Operator Certifications

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

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

1.1.3 Alberta Environment Operator Certifications

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

E.L. SMITH TREATMENT PLANT (LEVEL IV)

Director, Edmonton Water Treatment Plants
Senior Manager, Operations
Manager, Operations

Title	Alberta Environment Certification Level
Operations Engineer	WWC I
Day Foreman	WT IV
HEI Foreman	WT IV
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) - CONSTRUCTION

Senior Manager, Maintenance and Construction

Manager, Distribution Maintenance

Manager, Dist. Maint Schedule

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

Labourer III	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I
Labourer II	WD I

1.1.3 Alberta Environment Operator Certifications

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

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

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

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

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - SYSTEMS MAINTENANCE

Senior Manager, Distribution Operations

Manager, Field Operations

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

Manager, Water Trouble **WD III**

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

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY) WATER DISTRIBUTION (WD) - CUSTOMER SERVICE	
Senior Manager, Customer Service **Manager, Dispatch** **Manager, 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)

May 2026

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	83	123	206	301	507
2	76	115	190	300	491
3	57	92	150	301	451
4	52	97	149	301	450
5	40	72	111	301	412
6	1.8	3.2	5.0	315	320
7	99	27	127	358	485
8	102	102	203	348	551
9	84	114	199	308	507
10	80	110	190	301	491
11	82	107	189	301	490
12	85	105	189	308	497
13	86	105	191	160	351
14	95	105	200	277	477
15	84	94	177	280	458
16	80	84	164	281	445
17	59	84	143	281	424
18	55	86	141	281	422
19	60	100	160	281	441
20	60	100	160	286	446
21	60	100	160	283	443
22	70	114	184	309	493
23	80	120	200	320	520
24	80	120	199	303	503
25	80	119	198	321	519
26	80	120	200	299	499
27	86	126	212	338	550
28	90	130	220	353	573
29	90	130	220	338	558
30	71	115	185	304	489
31	51	101	152	251	404
Monthly Total	2,258	3,120	5,378	9,289	14,667
Monthly Min	1.8	3.2	5.0	160	
Monthly Max	102	130	220	358	
Monthly Avg	73	101	173	300	473

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

May 2026

Day	Rossdale (Plant 1 & Plant 2)			E.L. Smith			Plants Combined	Reservoir Levels (%)
	Flow Meters			Flow Meters			Flow Meters (Both Plants)	
	Min	Max	Total	Min	Max	Total		
1	131	207	192	207	306	275	467	64.3
2	17	206	177	226	305	273	450	76.7
3	75	204	153	264	306	307	460	82.8
4	57	205	136	246	305	271	407	82.8
5	6.4	207	97	209	307	272	369	83.8
6	- -	- -	- -	253	346	281	279	72.8
7	11	206	95	286	363	324	419	53.8
8	140	204	187	293	354	314	501	59.3
9	143	285	190	246	349	279	469	72.6
10	136	203	179	244	306	278	458	78.1
11	120	201	165	254	303	277	442	80.1
12	84	208	176	262	316	280	457	79.7
13	105	207	177	0.0	313	128	305	79.6
14	75	204	189	205	305	257	447	62.6
15	119	205	169	206	309	260	428	69.8
16	73	201	155	205	306	261	416	72.9
17	51	202	134	207	305	259	393	78.5
18	38	204	131	257	306	261	392	80.2
19	70	204	150	208	308	258	409	73.8
20	52	202	151	210	308	262	413	69.1
21	136	200	151	243	304	261	412	72.5
22	85	200	173	242	309	286	459	65.4
23	165	206	191	263	314	297	488	69.9
24	96	210	189	0.0	311	275	463	74.6
25	134	211	186	275	312	297	483	71.5
26	139	250	190	207	315	276	466	73.7
27	150	265	205	275	337	311	516	64.8
28	165	259	210	168	360	322	532	67.3
29	118	254	209	287	356	307	516	70.4
30	113	222	175	234	309	277	452	80.3
31	110	201	140	203	287	230	370	81.9
Monthly Tota			5,022			8,514	13,536	
Monthly Min	0.0			0.0				
Monthly Max		285			363			
Monthly Avg			162			275	437	

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

May 2026

Day	Rossdale										E.L. Smith									
	Turbidity (NTU)			pH			Colour (TCU)				Turbidity (NTU)			pH			Colour (TCU)			
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1	15	26	18	8.3	8.3	8.3	7.4	8.6	8.1		15	21	19	8.1	8.2	8.1	8.3	11.0	9.6	
2	18	65	36	8.2	8.3	8.3	6.8	8.0	7.5		18	55	40	8.1	8.2	8.2	7.9	8.5	8.2	
3	22	50	40	8.2	8.2	8.2	6.6	8.1	7.6		20	50	29	8.1	8.2	8.1	6.8	9.6	8.1	
4	21	25	22	8.2	8.3	8.3	6.6	7.3	6.8		19	22	21	8.2	8.3	8.2	6.5	8.2	7.5	
5	20	23	21	8.3	8.3	8.3	6.6	6.8	6.7		13	22	16	8.2	8.2	8.2	6.8	7.8	7.4	
6	20	20	20	8.3	8.3	8.3	6.8	6.8	6.8		9.1	15	13	8.2	8.3	8.2	6.8	10.9	8.1	
7	12	27	20	8.3	8.4	8.3	6.8	7.2	7.0		14	29	23	8.2	8.2	8.2	6.8	8.3	7.5	
8	10	25	23	8.3	8.4	8.3	7.1	8.3	7.3		13	23	17	8.2	8.3	8.2	6.8	7.8	7.5	
9	10	26	16	8.3	8.3	8.3	6.7	8.3	7.7		12	30	20	8.2	8.2	8.2	6.8	8.0	7.4	
10	13	26	22	8.3	8.3	8.3	6.7	8.4	7.4		10	22	17	8.2	8.2	8.2	6.3	11.6	8.9	
11	11	13	13	8.3	8.3	8.3	6.0	7.3	6.8		10	13	13	8.2	8.3	8.2	6.3	7.8	7.0	
12	11	19	13	8.3	8.3	8.3	6.0	7.3	6.7		13	18	17	8.2	8.3	8.2	6.4	7.9	7.1	
13	12	19	17	8.3	8.3	8.3	5.3	6.2	6.1		11	15	14	8.2	8.3	8.2	6.1	7.0	6.4	
14	12	26	17	8.3	8.3	8.3	5.3	7.7	6.6		11	36	26	8.2	8.3	8.2	6.5	7.6	7.1	
15	22	39	33	8.2	8.3	8.3	6.0	8.3	6.9		18	40	32	8.3	8.3	8.3	7.3	8.5	8.1	
16	9.1	22	14	8.2	8.3	8.3	7.1	8.3	7.7		14	18	14	8.2	8.3	8.3	7.1	8.3	7.8	
17	9.1	13	11	8.3	8.3	8.3	7.1	8.1	7.6		12	14	13	8.2	8.3	8.3	7.5	8.2	7.8	
18	10	12	11	8.2	8.3	8.3	6.5	7.2	7.1		12	14	13	8.3	8.3	8.3	7.3	8.1	7.6	
19	10	14	12	8.3	8.3	8.3	6.5	7.2	6.9		14	16	15	8.3	8.3	8.3	6.9	7.6	7.1	
20	13	15	14	8.3	8.3	8.3	6.6	7.6	7.1		14	16	14	8.3	8.4	8.3	7.2	7.8	7.5	
21	12	13	13	8.2	8.3	8.2	6.6	7.7	7.0		12	15	13	8.2	8.3	8.3	6.4	7.9	7.4	
22	11	14	12	8.3	8.3	8.3	7.7	8.8	8.3		10	13	12	8.3	8.3	8.3	6.4	8.8	8.4	
23	8.5	11	10	8.3	8.4	8.3	8.1	8.8	8.4		8.3	10	9.5	8.3	8.3	8.3	8.0	10.4	8.9	
24	8.5	19	12	8.3	8.4	8.4	8.3	12.3	10.0		8.6	18	13	8.3	8.3	8.3	10.4	13.0	12.4	
25	11	19	15	8.3	8.4	8.4	7.7	12.3	10.9		13	17	15	8.3	8.3	8.3	8.0	13.0	9.5	
26	11	16	15	8.3	8.3	8.3	7.3	8.3	7.6		12	16	14	8.2	8.3	8.3	7.5	8.5	8.2	
27	13	40	24	8.2	8.3	8.3	7.0	8.4	7.8		14	40	25	8.3	8.3	8.3	7.0	8.8	8.1	
28	12	32	24	8.2	8.4	8.3	6.4	60.0	8.0		11	22	15	8.3	8.4	8.3	7.3	9.3	8.3	
29	12	32	21	8.3	8.4	8.4	6.4	8.2	6.9		11	26	18	8.3	8.4	8.3	7.4	10.1	7.9	
30	29	80	60	8.2	8.3	8.1	8.2	12.9	9.0		26	75	55	8.2	8.3	8.2	7.4	10.1	8.4	
31	70	170	120	8.2	8.3	7.8	6.9	9.2	8.3		70	160	120	8.2	8.3	8.2	6.4	9.1	7.6	
Monthly Min/Max/Avg	8.5	170	23	8.2	8.4	8.3	5.3	60.0	7.6		8.3	160	22	8.1	8.4	8.2	6.1	13.0	8.0	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

May 2026

Day	Rossdale														E.L. Smith											
	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg
1	0.04	0.07	0.05	1.91	2.11	1.98	7.7	7.8	7.7	0.69	0.71	0.69	174	0.6	0.06	0.07	0.06	1.85	1.94	1.89	8.1	8.2	8.1	0.69	0.73	0.71	173	0.8
2	0.03	0.07	0.05	1.96	2.11	2.04	7.7	7.8	7.7	0.68	0.70	0.69	170	0.5	0.06	0.06	0.06	1.88	1.98	1.91	8.1	8.1	8.1	0.69	0.69	0.69	172	0.9
3	0.04	0.06	0.04	1.86	2.06	1.98	7.7	7.7	7.7	0.68	0.69	0.68	176	0.3	0.06	0.06	0.06	1.93	1.98	1.95	8.1	8.1	8.1	0.69	0.70	0.70	173	0.9
4	0.04	0.08	0.06	1.86	1.96	1.90	7.7	7.8	7.8	0.68	0.69	0.68	176	0.2	0.06	0.06	0.06	1.91	1.98	1.93	8.1	8.2	8.1	0.70	0.72	0.70	173	0.7
5	0.05	0.06	0.06	1.81	1.96	1.90	7.8	7.8	7.8	0.67	0.69	0.68	174	0.5	0.06	0.07	0.06	1.91	1.94	1.93	8.0	8.1	8.1	0.67	0.72	0.69	174	0.7
6	0.05	0.08	0.06	1.51	1.86	1.73	7.6	7.8	7.7	0.67	0.68	0.67	--	0.6	0.06	0.07	0.06	1.90	1.97	1.93	8.0	8.1	8.1	0.67	0.69	0.68	174	0.9
7	0.05	0.07	0.07	1.50	1.96	1.59	7.7	7.7	7.7	0.67	0.69	0.68	172	0.3	0.06	0.06	0.06	1.84	1.98	1.92	8.0	8.1	8.1	0.66	0.69	0.69	172	0.5
8	0.02	0.09	0.05	1.96	2.11	2.03	7.7	7.7	7.7	0.68	0.70	0.69	172	0.3	0.06	0.06	0.06	1.93	2.02	1.96	7.9	8.0	8.0	0.62	0.66	0.64	171	0.4
9	0.02	0.05	0.03	1.91	2.01	1.95	7.7	7.8	7.8	0.68	0.69	0.69	167	0.7	0.06	0.06	0.06	1.98	2.04	2.02	7.9	8.0	8.0	0.66	0.71	0.69	168	0.7
10	0.03	0.05	0.03	1.91	2.01	1.95	7.7	7.8	7.8	0.68	0.73	0.71	168	0.5	0.06	0.06	0.06	1.98	2.02	1.99	7.9	8.0	8.0	0.65	0.70	0.69	170	0.9
11	0.02	0.05	0.03	1.91	2.01	1.95	7.7	7.8	7.7	0.71	0.72	0.72	176	0.6	0.06	0.06	0.06	1.96	1.99	1.98	8.0	8.0	8.0	0.65	0.72	0.69	174	0.7
12	0.02	0.07	0.04	1.91	2.06	1.98	7.7	7.8	7.8	0.65	0.72	0.68	170	0.4	0.06	0.06	0.06	1.98	2.18	2.08	7.9	8.0	8.0	0.68	0.72	0.70	171	0.5
13	0.05	0.08	0.06	2.01	2.16	2.08	7.7	7.9	7.8	0.65	0.66	0.65	171	0.4	0.06	0.07	0.07	2.03	2.16	2.09	7.9	8.0	7.9	0.68	0.72	0.71	173	0.9
14	0.06	0.08	0.07	2.11	2.26	2.18	7.8	7.8	7.8	0.65	0.66	0.65	169	0.4	0.06	0.06	0.06	2.12	2.28	2.19	8.0	7.8	8.2	0.68	0.73	0.71	170	0.8
15	0.05	0.08	0.07	2.16	2.26	2.22	7.7	7.8	7.8	0.63	0.65	0.64	170	0.4	0.06	0.06	0.06	2.11	2.17	2.13	7.9	8.0	8.0	0.65	0.73	0.69	172	0.9
16	0.06	0.09	0.07	2.06	2.21	2.11	7.8	7.8	7.8	0.65	0.66	0.65	169	0.4	0.06	0.06	0.06	2.12	2.19	2.15	7.9	8.0	7.9	0.65	0.70	0.67	170	0.9
17	0.05	0.08	0.06	2.06	2.21	2.14	7.7	7.8	7.7	0.65	0.67	0.66	170	1.1	0.06	0.06	0.06	2.13	2.22	2.17	7.9	7.9	7.9	0.70	0.70	0.70	169	0.7
18	0.02	0.13	0.06	2.06	2.21	2.16	7.8	7.8	7.8	0.67	0.68	0.68	173	0.4	0.06	0.06	0.06	2.13	2.18	2.17	7.9	7.9	7.9	0.66	0.72	0.71	171	0.7
19	0.03	0.06	0.04	2.16	2.26	2.22	7.8	7.8	7.8	0.67	0.70	0.68	171	0.4	0.06	0.06	0.06	2.13	2.18	2.14	7.9	8.0	7.9	0.66	0.72	0.69	172	0.7
20	0.03	0.06	0.04	2.16	2.26	2.18	7.8	7.8	7.8	0.69	0.70	0.70	169	0.4	0.06	0.06	0.06	2.10	2.19	2.15	8.0	8.0	8.0	0.67	0.72	0.70	173	0.9
21	0.03	0.06	0.04	2.16	2.26	2.22	7.8	7.8	7.8	0.69	0.70	0.70	166	0.4	0.06	0.06	0.06	2.11	2.18	2.15	8.0	8.0	8.0	0.56	0.72	0.66	170	0.7
22	0.03	0.08	0.05	2.11	2.26	2.20	7.7	7.8	7.8	0.70	0.70	0.70	167	0.4	0.06	0.06	0.06	2.13	2.18	2.14	7.9	8.0	7.9	0.75	0.75	0.71	170	0.7
23	0.03	0.07	0.04	2.11	2.21	2.17	7.7	7.7	7.7	0.69	0.70	0.70	170	0.6	0.06	0.06	0.06	2.09	2.15	2.12	7.9	7.9	7.9	0.64	0.75	0.69	169	0.9
24	0.02	0.05	0.03	2.06	2.21	2.13	7.7	7.7	7.7	0.70	0.71	0.71	172	0.6	0.06	0.07	0.06	2.08	2.13	2.11	7.9	7.9	7.9	0.65	0.70	0.67	172	1.1
25	0.03	0.06	0.04	2.01	2.16	2.08	7.7	7.7	7.7	0.70	0.71	0.70	173	0.8	0.06	0.06	0.06	2.05	2.12	2.09	7.9	8.0	8.0	0.65	0.73	0.71	181	1.2
26	0.03	0.06	0.04	1.98	2.32	2.08	7.7	7.8	7.7	0.70	0.71	0.71	176	0.8	0.06	0.06	0.06	2.03	2.11	2.07	8.0	8.0	8.0	0.65	0.75	0.71	173	1.0
27	0.03	0.05	0.04	1.86	2.32	2.16	7.8	7.8	7.8	0.70	0.72	0.71	173	0.4	0.06	0.06	0.06	2.08	2.17	2.10	8.0	8.0	8.0	0.63	0.75	0.68	173	0.9
28	0.03	0.08	0.05	1.86	2.32	2.17	7.7	7.8	7.8	0.70	0.71	0.70	174	0.5	0.06	0.06	0.06	2.03	2.12	2.08	8.0	8.0	8.0	0.68	0.72	0.71	174	0.9
29	0.05	0.08	0.08	2.21	2.21	2.22	7.7	7.8	7.8	0.70	0.73	0.72	173	0.4	0.06	0.06	0.06	2.02	2.08	2.04	8.0	8.0	8.0	0.71	0.72	0.71	171	1.2
30	0.06	0.07	0.07	2.21	2.22	2.21	7.7	7.8	7.7	0.69	0.72	0.70	177	0.6	0.06	0.06	0.06	1.98	2.05	2.00	8.0	8.1	8.0	0.68	0.72	0.70	178	0.8
31	0.05	0.08	0.06	2.21	2.21	2.21	7.7	7.8	7.8	0.69	0.70	0.70	177	0.7	0.06	0.06	0.06	1.98	2.03	2.01	8.0	8.1	8.0	0.72	0.75	0.73	177	0.5
Monthly Min/Max/ Avg	0.02	0.13	0.05	1.50	2.32	2.07	7.6	7.9	7.8	0.63	0.73	0.69	172	0.5	0.06	0.07	0.06	1.84	2.28	2.05	7.9	8.2	8.0	0.56	0.75	0.69	172	0.8

NOTES: ' -- ' indicates plant offline

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

May 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1	5	3	2	9	5	1	16	6	3	11	5	3	8	5	1	4	2	1	5	3	1	6	2	2	21	5
2	5	20	10	1	6	4	2	8	6	3	7	5	2	8	5	1	38	8	1	4	3	1	22	4	1	6	4
3	1	12	5	1	3	2	1	4	2	4	20	6	2	4	3	2	16	4	3	17	5	2	8	4	1	3	2
4	2	6	4	3	13	5	2	4	3	3	8	5	--	--	--	2	5	3	3	7	5	2	6	4	--	--	--
5	3	18	7	3	7	5	5	12	7	4	8	6	9	31	13	--	--	--	3	8	5	3	6	4	4	18	8
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	5	25	9	4	27	7	3	18	7	--	--	--	--	--	--	5	28	10	7	29	11	6	33	12	--	--	--
8	3	8	6	3	7	4	2	9	4	1	11	4	8	30	12	4	10	7	5	10	7	4	10	7	4	30	9
9	3	16	8	2	6	4	2	13	7	6	12	9	5	14	8	2	7	5	3	8	6	3	7	5	4	8	6
10	7	14	9	5	11	9	4	10	7	4	11	8	4	20	8	3	17	10	2	7	4	3	6	4	3	7	5
11	3	10	6	3	9	5	2	7	4	3	15	5	5	12	8	3	9	6	2	13	7	3	15	7	2	30	5
12	3	7	5	3	7	4	2	12	7	6	14	9	4	10	7	3	8	5	4	10	6	4	8	6	3	9	6
13	1	16	9	2	10	6	2	7	5	3	8	6	2	31	5	2	30	5	2	7	4	2	7	4	2	7	4
14	3	10	6	3	9	5	2	6	4	3	17	5	5	13	8	3	24	6	4	21	7	1	6	3	2	19	6
15	3	7	5	3	22	7	5	14	7	6	12	9	5	10	7	4	10	6	3	8	6	--	--	--	3	11	6
16	--	--	--	3	11	6	3	9	5	3	10	6	3	9	6	4	25	7	2	8	5	3	19	7	2	7	4
17	6	19	9	2	6	4	2	5	3	2	5	4	--	--	--	4	10	7	--	--	--	3	7	5	2	4	3
18	4	29	7	2	5	3	2	5	3	2	24	9	9	30	12	4	8	6	5	20	8	3	7	5	--	--	--
19	3	9	6	5	17	8	4	28	7	5	11	7	5	11	8	2	8	5	4	9	6	2	6	4	--	--	--
20	3	6	4	3	8	5	2	18	4	3	8	5	4	9	6	--	--	--	3	7	5	4	23	7	5	14	8
21	5	16	8	2	18	4	1	5	3	2	6	4	3	7	5	6	26	10	11	18	14	3	8	5	4	8	6
22	5	29	9	2	6	3	1	25	7	6	20	8	14	30	18	5	10	7	5	12	8	2	6	4	3	7	5
23	5	14	8	7	26	10	4	25	6	5	10	8	7	17	11	3	9	6	4	10	7	2	4	4	2	5	4
24	5	32	7	6	13	9	3	7	5	5	10	7	7	16	10	3	25	12	4	8	6	7	23	11	10	25	13
25	2	10	5	3	16	5	2	17	5	3	19	8	1	14	6	2	20	9	1	26	8	1	14	7	1	14	6
26	5	21	8	2	8	4	2	5	3	2	6	4	7	27	11	2	5	3	1	5	3	1	24	2	1	4	2
27	3	9	6	2	7	4	2	5	3	2	6	4	5	11	9	3	23	6	2	18	5	2	13	5	2	16	5
28	2	18	4	1	30	3	1	15	4	3	21	7	3	21	7	3	7	4	2	7	5	1	5	3	2	5	3
29	2	23	5	2	12	4	1	7	3	2	8	4	2	32	8	1	6	3	1	6	3	1	17	3	1	4	2
30	3	23	6	2	17	4	1	6	3	2	7	4	4	37	10	2	3	2	1	6	3	3	9	5	3	16	6
31	1	6	3	1	4	2	1	3	2	1	16	4	1	7	4	2	23	5	--	--	--	1	5	3	1	6	3
Monthly Min/Max/Avg	1	32	6	1	30	5	1	28	5	1	24	6	1	37	8	1	38	6	1	29	6	1	33	5	1	30	5

NOTE: ' -- ' indicates filter offline

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

May 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1	8	4	1	5	2	2	23	5	1	15	4	1	19	4	--	--	--	7	30	14	1	28	6	1	27	5
2	1	30	6	2	18	6	1	25	5	1	19	2	1	27	5	--	--	--	7	21	14	1	10	5	1	8	3
3	1	8	3	1	27	2	1	16	5	2	16	6	1	9	5	--	--	--	7	34	22	1	30	9	2	28	7
4	1	29	7	2	26	6	1	24	7	1	18	4	1	24	6	--	--	--	8	33	16	2	33	7	1	27	6
5	1	5	2	1	20	3	1	26	4	1	8	4	1	26	5	--	--	--	8	32	17	1	11	5	2	26	6
6	1	22	6	1	8	3	1	11	4	1	15	3	1	18	3	--	--	--	8	35	16	2	33	7	2	22	5
7	1	24	6	1	32	4	1	20	5	1	22	2	1	9	4	--	--	--	8	39	18	2	31	7	1	31	4
8	1	25	4	1	24	4	1	26	5	1	17	5	1	26	5	--	--	--	7	34	18	2	33	8	1	15	5
9	1	8	3	1	19	3	1	20	4	1	19	3	1	19	4	--	--	--	6	22	14	2	30	8	1	32	6
10	1	25	6	1	9	3	1	8	3	1	5	2	1	12	3	--	--	--	7	33	16	1	26	4	1	31	6
11	1	3	1	1	13	2	1	20	3	1	17	3	1	4	2	--	--	--	6	32	12	2	18	4	1	22	2
12	2	20	6	1	19	2	1	19	3	1	17	2	1	18	3	--	--	--	8	32	13	2	34	6	1	15	5
13	2	14	5	1	8	4	2	35	4	1	25	3	1	13	3	--	--	--	8	43	12	3	6	5	1	1	1
14	1	7	3	1	10	3	1	4	1	1	14	2	1	9	3	--	--	--	9	31	15	3	29	7	1	19	4
15	1	21	5	1	14	1	3	18	6	1	7	3	1	25	3	--	--	--	8	37	15	2	7	3	1	26	6
16	1	7	3	1	14	4	1	5	2	1	16	2	1	7	3	--	--	--	8	27	16	4	31	8	1	26	3
17	1	22	4	1	13	1	1	22	4	1	6	3	1	18	2	--	--	--	8	30	15	1	5	2	1	14	5
18	1	6	3	1	25	4	1	10	2	1	21	2	1	6	3	--	--	--	8	18	11	2	30	7	1	24	5
19	1	17	5	1	5	2	2	16	5	1	11	3	1	14	4	--	--	--	12	30	18	1	31	5	1	6	4
20	2	6	4	3	17	7	1	25	3	1	19	4	2	23	4	--	--	--	9	34	16	3	12	7	4	30	9
21	2	24	6	1	6	3	2	10	5	1	17	3	1	21	5	--	--	--	18	34	24	3	30	9	3	6	4
22	1	17	3	1	15	4	1	21	3	1	16	3	1	16	3	--	--	--	6	23	12	1	9	3	1	19	5
23	1	8	4	1	14	2	1	6	3	1	4	2	1	9	3	--	--	--	6	31	15	4	20	8	1	24	5
24	1	28	7	1	9	5	2	23	6	1	18	6	1	18	5	--	--	--	9	33	16	3	34	9	2	31	7
25	1	7	2	1	11	3	1	12	3	1	10	2	1	13	3	--	--	--	5	37	10	2	10	4	1	10	4
26	1	24	3	1	8	2	1	6	1	1	7	2	1	3	1	--	--	--	4	34	12	1	26	6	1	21	4
27	1	17	2	1	6	1	1	14	2	1	10	2	1	10	2	--	--	--	6	36	10	1	17	3	1	17	4
28	1	13	2	1	14	2	1	13	2	1	10	1	1	11	1	--	--	--	4	28	10	1	11	3	1	16	4
29	1	6	1	1	13	2	1	22	3	1	12	3	1	13	3	--	--	--	4	32	9	1	20	5	1	8	3
30	1	12	3	1	13	3	1	6	1	1	4	1	1	11	1	--	--	--	3	14	6	1	21	5	1	21	3
31	1	2	1	1	7	1	1	12	3	1	8	2	1	5	1	--	--	--	8	26	11	1	4	2	1	15	4
Monthly Min/Max/Avg	1	30	4	1	32	3	1	35	4	1	25	3	1	27	3	--	--	--	3	43	14	1	34	6	1	32	5

NOTES: ' -- ' indicates filter offline

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

May 2026

Filter	10			11			12			13			14			15			16			17			18		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1	25	4	2	30	6	2	29	7	2	21	6	2	27	7	1	31	5	1	7	3	1	22	5	1	6	3
2	2	14	6	2	26	6	2	27	7	1	20	6	1	11	6	1	14	5	1	17	6	1	19	7	2	21	6
3	1	22	5	1	8	4	2	28	7	1	12	6	4	27	11	1	8	4	1	24	4	1	19	4	1	41	7
4	1	30	4	--	--	--	1	25	6	1	26	8	2	30	10	2	15	6	1	10	4	2	19	5	1	20	4
5	2	17	7	--	--	--	2	26	7	2	18	6	3	43	10	2	17	7	2	16	7	2	18	8	2	38	6
6	1	32	6	2	30	6	2	28	7	1	16	5	2	38	7	1	13	4	1	15	4	1	17	5	1	16	5
7	1	32	7	2	33	6	1	26	7	2	45	6	1	25	7	1	19	5	1	30	5	1	17	6	1	20	6
8	2	21	6	1	31	6	1	32	7	1	27	8	1	26	9	1	15	4	1	20	5	1	24	7	1	22	6
9	2	29	6	3	28	7	1	32	7	1	20	7	2	13	6	1	21	5	1	7	3	1	16	6	1	19	4
10	1	25	4	2	30	6	2	29	6	1	6	3	2	29	9	1	14	5	1	16	5	1	21	4	1	16	5
11	1	8	3	1	26	3	1	7	3	2	18	5	1	26	5	1	3	1	1	16	3	1	5	2	1	40	3
12	2	26	5	2	13	6	2	28	7	1	18	5	2	40	7	1	15	6	1	8	4	1	17	6	1	7	4
13	2	7	4	3	26	7	2	28	13	2	32	5	4	25	9	2	13	5	2	15	5	2	14	7	3	22	6
14	2	28	4	1	28	3	1	11	4	1	19	5	2	8	4	1	39	3	1	5	2	1	8	3	3	15	5
15	1	10	3	3	19	6	4	26	7	2	9	4	4	26	9	1	28	2	1	16	7	1	28	8	1	6	3
16	1	37	6	3	30	7	2	28	6	1	22	4	1	7	4	1	33	5	1	6	3	1	10	3	2	40	6
17	1	5	2	1	28	3	1	7	3	1	7	4	4	24	8	1	41	4	2	22	5	1	18	6	1	21	4
18	1	35	7	1	14	5	2	28	6	1	24	6	1	29	4	1	7	3	1	20	3	1	5	2	1	10	4
19	2	5	2	1	30	7	2	30	9	2	26	5	3	12	7	4	14	8	2	8	4	2	16	6	1	23	5
20	3	26	9	4	31	10	2	29	7	4	28	8	3	29	11	2	6	4	1	19	7	1	21	8	2	10	5
21	2	32	9	3	28	6	2	13	6	3	26	8	4	25	10	3	15	7	2	6	4	2	12	5	2	21	7
22	1	10	3	1	15	5	3	29	7	1	17	3	1	10	4	1	27	5	1	19	5	2	17	5	1	18	4
23	1	23	6	1	25	7	1	26	6	3	13	6	3	23	7	1	11	3	1	18	5	1	18	4	2	7	4
24	2	8	5	3	30	9	4	12	7	2	33	5	3	26	9	4	18	10	1	8	5	2	12	7	2	26	9
25	3	30	7	2	29	6	2	28	6	2	14	6	1	10	4	1	41	4	2	16	5	2	17	7	1	9	3
26	1	16	3	1	8	4	1	28	6	1	20	5	2	28	7	1	10	4	1	15	4	1	11	3	1	41	5
27	1	12	5	2	34	6	2	27	5	1	7	3	1	23	5	1	15	4	1	8	4	1	15	5	1	14	4
28	1	16	4	1	27	4	1	24	4	1	16	4	1	32	5	1	16	4	1	15	3	1	12	4	1	18	3
29	1	24	6	1	28	5	1	32	5	1	16	6	1	22	5	1	11	3	1	14	4	1	16	5	1	12	4
30	1	17	2	1	25	3	1	29	4	1	39	4	1	8	3	1	10	3	1	16	3	1	27	3	1	20	4
31	1	10	3	1	29	3	1	27	3	1	5	2	1	16	3	1	16	3	1	5	2	1	6	2	1	3	1
Monthly Min/Max/Avg	1	37	5	1	34	6	1	32	6	1	45	5	1	43	7	1	41	5	1	30	4	1	28	5	1	41	5

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

May 2026

Filter	1			2			3			4			5			6			7			8			9		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.07	0.03	0.01	0.02	0.01	0.02	0.04	0.02	0.01	0.04	0.01	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.07	0.02
2	0.02	0.07	0.03	0.03	0.03	0.03	0.01	0.06	0.02	0.01	0.03	0.01	0.02	0.05	0.02	0.01	0.07	0.03	0.03	0.04	0.03	0.02	0.06	0.02	0.02	0.02	0.02
3	0.02	0.04	0.02	0.03	0.04	0.03	0.01	0.08	0.02	0.02	0.06	0.03	0.02	0.04	0.02	0.01	0.07	0.01	0.03	0.06	0.03	0.02	0.04	0.02	0.01	0.02	0.01
4	0.02	0.03	0.02	0.03	0.07	0.04	0.01	0.07	0.02	0.01	0.02	0.02	--	--	--	0.01	0.04	0.01	0.02	0.04	0.03	0.02	0.02	0.02	--	--	--
5	0.02	0.08	0.03	0.03	0.05	0.03	0.03	0.06	0.04	0.02	0.03	0.02	0.03	0.07	0.04	--	--	--	0.03	0.05	0.03	0.02	0.02	0.02	0.03	0.06	0.04
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	0.02	0.07	0.03	0.03	0.07	0.04	0.02	0.06	0.03	--	--	--	--	--	--	0.02	0.06	0.03	0.03	0.07	0.05	0.03	0.08	0.04	--	--	--
8	0.02	0.03	0.02	0.03	0.03	0.03	0.01	0.02	0.02	0.03	0.06	0.04	0.03	0.06	0.04	0.02	0.02	0.02	0.03	0.05	0.03	0.03	0.04	0.03	0.02	0.06	0.03
9	0.02	0.08	0.04	0.03	0.05	0.03	0.01	0.07	0.03	0.02	0.04	0.03	0.02	0.04	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.03	0.02
10	0.03	0.05	0.04	0.04	0.08	0.05	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.08	0.03	0.02	0.08	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02
11	0.02	0.03	0.03	0.03	0.04	0.04	0.01	0.02	0.02	0.01	0.08	0.02	0.02	0.04	0.03	0.02	0.03	0.02	0.02	0.08	0.04	0.03	0.07	0.04	0.02	0.07	0.03
12	0.02	0.04	0.02	0.03	0.03	0.03	0.02	0.08	0.03	0.02	0.08	0.03	0.02	0.04	0.03	0.02	0.02	0.02	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.03	0.03
13	0.02	0.08	0.03	0.03	0.07	0.04	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.07	0.03	0.02	0.07	0.02	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02
14	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.02	0.01	0.01	0.05	0.02	0.02	0.04	0.03	0.02	0.02	0.02	0.03	0.06	0.04	0.02	0.02	0.02	0.01	0.06	0.03
15	0.02	0.05	0.02	0.03	0.07	0.04	0.03	0.06	0.03	0.02	0.05	0.02	0.02	0.04	0.03	0.02	0.03	0.02	0.03	0.03	0.03	--	--	--	0.02	0.02	0.02
16	--	--	--	0.03	0.06	0.04	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.04	0.03	0.02	0.07	0.03	0.03	0.04	0.03	0.02	0.06	0.03	0.02	0.02	0.02
17	0.03	0.06	0.04	0.03	0.03	0.03	0.01	0.02	0.02	0.01	0.04	0.01	--	--	--	0.02	0.03	0.02	--	--	--	0.02	0.02	0.02	0.02	0.02	0.02
18	0.02	0.04	0.03	0.03	0.05	0.03	0.01	0.02	0.01	0.01	0.05	0.03	0.03	0.06	0.04	0.02	0.02	0.02	0.03	0.08	0.04	0.02	0.02	0.02	--	--	--
19	0.02	0.03	0.02	0.03	0.07	0.04	0.02	0.06	0.02	0.01	0.02	0.02	0.02	0.03	0.02	0.01	0.04	0.02	0.03	0.04	0.03	0.02	0.02	0.02	--	--	--
20	0.02	0.02	0.02	0.03	0.05	0.03	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.04	0.02	--	--	--	0.03	0.04	0.03	0.02	0.06	0.03	0.02	0.05	0.03
21	0.02	0.06	0.03	0.03	0.03	0.03	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.08	0.05	0.02	0.08	0.05	0.02	0.02	0.02	0.02	0.02	0.02
22	0.02	0.07	0.03	0.03	0.05	0.03	0.02	0.06	0.03	0.02	0.06	0.03	0.04	0.06	0.06	0.02	0.10	0.04	0.02	0.08	0.04	0.02	0.02	0.02	0.02	0.02	0.02
23	0.02	0.05	0.03	0.04	0.07	0.05	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.05	0.03	0.02	0.03	0.04	0.01	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02
24	0.02	0.04	0.03	0.04	0.06	0.04	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.06	0.04	0.01	0.04	0.01	0.03	0.07	0.04	0.03	0.07	0.04
25	0.02	0.03	0.02	0.03	0.07	0.04	0.02	0.07	0.02	0.01	0.08	0.03	0.02	0.05	0.02	0.01	0.04	0.02	0.01	0.07	0.02	0.02	0.03	0.02	0.01	0.03	0.02
26	0.03	0.07	0.04	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.03	0.01	0.03	0.07	0.05	0.01	0.03	0.01	0.01	0.03	0.02	0.02	0.06	0.02	0.01	0.03	0.02
27	0.02	0.04	0.03	0.02	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.03	0.03	0.02	0.06	0.03	0.02	0.05	0.03	0.02	0.05	0.02	0.02	0.06	0.03
28	0.02	0.04	0.02	0.02	0.06	0.02	0.01	0.07	0.02	0.01	0.06	0.03	0.02	0.04	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
29	0.02	0.08	0.04	0.02	0.06	0.03	0.01	0.03	0.02	0.01	0.02	0.01	0.02	0.07	0.03	0.01	0.02	0.02	0.02	0.04	0.02	0.02	0.06	0.02	0.02	0.02	0.02
30	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.04	0.02	0.02	0.05	0.03	0.02	0.06	0.03
31	0.01	0.02	0.02	0.02	0.04	0.02	0.01	0.01	0.01	0.01	0.06	0.02	0.02	0.03	0.02	0.02	0.06	0.02	--	--	--	0.02	0.02	0.02	0.02	0.02	0.02
Monthly Min/Max/Avg	0.01	0.08	0.03	0.02	0.08	0.03	0.01	0.08	0.02	0.01	0.08	0.02	0.02	0.08	0.03	0.01	0.10	0.02	0.01	0.08	0.03	0.02	0.08	0.02	0.01	0.07	0.02

NOTES: ' -- ' indicates filter offline

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

May 2026

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

NOTES: ' -- ' indicates filter offline

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

May 2026

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

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

May 2026

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

May 2026

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	35.3	49.3	41.9	17.4	23.5	10.3	35.1	36.5	35.7	26.2	31.2	28.8	34.7	36.2	35.6	20.8	31.4	17.8	95.0	95.5	95.2
2	35.0	36.1	35.6	25.1	32.9	16.5	34.0	47.9	38.9	19.5	27.5	23.8	34.9	36.3	35.6	22.3	30.7	27.0	95.2	95.3	95.3
3	35.1	46.4	40.7	20.5	28.9	23.6	47.3	54.1	50.4	18.6	19.7	4.5	35.4	47.9	42.5	15.6	22.7	18.1	95.3	96.0	95.8
4	37.8	43.1	40.0	21.6	23.8	22.8	35.1	39.2	36.2	25.4	29.9	17.9	36.0	40.4	37.3	18.4	21.2	7.1	95.3	95.9	95.7
5	35.1	58.6	38.3	12.9	29.8	6.6	35.0	37.2	35.8	25.0	28.2	21.0	34.6	38.0	35.6	17.4	28.3	7.2	95.0	95.3	95.2
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.0	95.0	95.0
7	34.9	36.1	35.6	28.2	33.1	24.7	34.8	36.2	35.6	27.9	33.4	24.7	34.9	36.3	35.6	26.6	31.7	22.9	94.8	95.4	95.0
8	34.9	36.9	35.7	21.9	28.6	24.9	35.3	40.4	37.6	21.5	28.2	24.5	34.8	36.3	35.7	20.5	27.1	23.3	94.9	95.4	95.2
9	35.1	43.0	38.3	18.9	25.2	14.3	38.2	45.6	41.9	18.8	22.4	15.4	35.1	37.9	36.1	17.6	26.1	18.9	94.9	95.1	95.0
10	35.0	36.4	35.6	22.2	26.2	24.1	35.1	40.5	35.7	21.3	28.1	19.4	34.8	36.2	35.6	22.4	26.7	24.7	94.5	95.1	94.9
11	35.0	41.7	37.3	21.2	26.0	21.3	35.4	42.9	38.8	21.3	28.4	24.3	35.1	39.8	36.1	17.5	23.2	20.6	94.5	95.5	95.1
12	40.5	48.6	44.3	18.0	21.9	14.1	41.6	47.8	44.6	18.9	22.8	20.4	35.2	41.9	35.8	18.1	23.3	19.8	95.0	95.9	95.4
13	35.0	43.0	36.1	21.2	29.7	23.2	36.6	52.8	44.9	18.3	29.0	15.2	35.2	39.4	36.2	19.9	23.6	21.1	95.4	95.9	95.8
14	34.8	84.1	36.7	23.1	26.8	25.3	35.4	75.5	53.9	25.2	30.2	27.0	35.2	77.9	36.1	19.7	23.7	21.5	95.2	95.9	95.6
15	35.2	43.6	38.1	18.8	24.9	11.1	34.9	81.5	52.0	20.8	28.4	13.2	34.5	43.2	35.8	18.3	23.5	17.0	95.1	95.7	95.5
16	--	--	--	--	--	--	35.3	36.2	35.7	22.8	27.2	25.2	35.2	36.7	35.7	20.0	24.5	22.3	93.9	95.2	94.7
17	35.0	40.1	35.7	21.4	25.3	11.4	35.4	43.7	39.3	19.7	25.8	21.9	35.1	36.8	35.8	19.5	23.0	20.8	94.8	95.4	95.0
18	35.0	38.7	36.0	21.1	25.4	22.8	36.8	43.8	39.6	18.3	22.8	15.0	34.8	39.0	37.2	17.4	21.1	8.5	94.4	95.2	94.8
19	34.9	42.2	37.7	20.0	25.7	22.7	35.4	40.9	35.9	21.2	29.7	9.5	34.9	39.7	35.9	18.1	27.5	23.5	95.2	95.5	95.3
20	39.9	41.7	40.7	20.9	21.5	4.2	35.3	36.1	35.7	25.9	29.9	27.8	35.1	36.2	35.7	22.2	26.6	24.4	95.3	95.9	95.4
21	35.2	40.0	35.8	21.4	25.2	8.3	35.4	41.0	37.3	21.3	26.0	23.8	34.9	39.1	36.0	18.9	23.3	21.9	95.2	95.6	95.4
22	34.0	36.2	35.6	23.5	32.9	23.4	36.5	41.4	38.7	19.8	23.1	14.6	34.9	39.1	35.6	18.9	28.7	15.1	94.5	95.4	95.0
23	34.9	36.3	35.5	26.3	31.0	29.0	34.9	38.6	35.6	21.4	33.6	10.1	34.9	36.3	35.6	24.7	29.6	27.1	94.5	95.0	94.9
24	34.8	52.0	37.1	19.6	26.9	23.2	34.6	41.1	36.2	28.6	33.5	19.7	34.7	46.0	36.5	19.4	26.1	22.6	93.1	95.0	94.4
25	34.8	39.4	35.8	16.0	20.0	11.4	34.9	42.1	37.3	24.9	29.9	7.5	34.7	36.2	35.6	16.5	28.0	21.4	93.4	97.1	93.8
26	34.9	36.9	35.6	21.4	30.1	10.0	34.7	38.0	36.2	26.2	29.6	28.1	30.1	36.4	35.6	23.8	27.1	25.6	94.2	97.1	95.4
27	34.9	36.3	35.6	25.7	29.5	27.6	35.3	43.2	36.4	21.9	27.3	24.7	34.9	36.8	35.7	21.6	25.8	24.0	94.4	96.2	95.2
28	34.8	37.9	35.7	21.7	26.1	24.0	35.3	42.8	37.8	20.4	23.5	16.5	34.9	38.5	35.7	18.6	28.7	12.6	94.5	96.2	95.0
29	34.8	39.8	35.8	20.8	29.7	23.7	34.7	37.8	35.7	23.0	30.0	27.7	34.1	36.4	35.6	24.9	29.6	26.6	94.6	95.5	95.1
30	34.6	36.3	35.5	26.2	29.9	28.0	34.8	36.2	35.6	25.6	28.4	26.8	34.6	36.3	35.6	23.5	28.7	25.7	93.9	95.5	94.7
31	34.8	44.9	38.0	18.9	26.9	22.8	35.2	39.4	35.9	23.7	26.3	16.6	35.2	36.2	35.7	23.3	24.0	3.2	94.9	95.6	95.2
Monthly Total						555.3						595.7						592.3			
Monthly Min/Max/ Avg	34.0	84.1	37.3	12.9	33.1		34.0	81.5	39.0	18.3	33.6		30.1	77.9	36.1	15.6	31.7		93.1	97.1	95.1

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

May 2026

Filter	4						5						6						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	34.7	36.8	35.7	24.4	27.8	25.9	35.1	38.4	36.0	22.6	28.5	24.4	36.5	44.4	41.5	19.1	23.1	7.1	95.0	95.5	95.2
2	35.2	42.0	38.2	20.5	26.7	16.7	35.3	52.6	42.8	16.5	24.4	19.9	35.6	36.2	35.6	25.5	36.0	29.8	95.2	95.3	95.3
3	35.4	44.0	41.0	21.5	26.7	6.8	50.7	59.0	54.6	15.7	16.9	3.7	35.3	44.1	40.1	22.0	29.8	24.3	95.3	96.0	95.8
4	36.1	38.8	37.3	24.2	26.2	25.4	--	--	--	--	--	--	38.6	41.4	39.9	22.9	24.2	11.0	95.3	95.9	95.7
5	36.3	40.8	37.7	21.7	24.7	14.6	34.7	44.3	35.7	17.8	28.4	16.0	--	--	--	--	--	--	95.0	95.3	95.2
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.0	95.0	95.0
7	--	--	--	--	--	--	--	--	--	--	--	--	32.1	40.2	37.6	20.6	31.3	15.3	94.8	95.4	95.0
8	35.4	37.4	36.2	22.3	23.8	5.7	35.1	38.1	36.1	21.7	28.3	15.2	35.1	36.4	35.7	24.1	29.6	27.1	94.9	95.4	95.2
9	35.0	38.0	35.8	21.9	26.4	24.7	35.1	39.9	36.6	20.7	25.1	23.1	35.4	42.0	37.6	20.2	25.0	22.6	94.9	95.1	95.0
10	35.0	39.4	36.4	19.7	24.1	22.1	35.1	41.9	38.3	19.4	25.2	15.9	33.9	42.4	36.8	20.0	30.7	15.2	94.5	95.1	94.9
11	38.7	48.5	42.5	17.6	20.4	10.0	34.6	40.2	36.8	21.7	28.3	24.7	35.1	39.1	35.7	22.5	31.4	24.7	94.5	95.5	95.1
12	36.2	49.3	40.1	18.2	23.0	21.8	36.7	42.8	39.9	20.4	24.0	22.0	35.4	38.8	36.5	23.3	27.3	24.9	95.0	95.9	95.4
13	40.3	49.3	44.7	19.4	23.2	20.6	35.3	50.3	46.0	18.0	28.4	16.2	35.9	44.2	40.3	21.0	26.8	17.7	95.4	95.9	95.8
14	38.4	49.2	44.0	18.2	23.2	8.5	34.9	37.2	35.9	24.6	28.9	26.8	34.6	39.6	36.9	25.0	32.4	27.4	95.2	95.9	95.6
15	34.8	40.4	36.2	22.9	33.0	27.4	35.0	86.6	38.9	20.9	27.2	23.0	34.9	36.9	35.8	23.9	31.5	26.6	95.1	95.7	95.5
16	35.5	45.1	38.8	20.6	24.0	22.4	37.5	42.3	39.3	18.2	21.4	11.7	35.3	38.2	35.8	21.6	26.4	6.5	93.9	95.2	94.7
17	40.8	49.0	46.0	18.2	22.4	19.2	--	--	--	--	--	--	35.3	37.0	35.7	25.6	31.4	26.7	94.8	95.4	95.0
18	38.9	50.4	41.4	17.2	23.0	6.8	35.1	36.8	35.7	19.8	23.7	13.2	35.3	38.2	35.9	21.6	25.9	23.3	94.4	95.2	94.8
19	35.0	42.4	37.7	21.6	26.4	24.8	35.1	38.2	36.2	21.9	25.9	24.2	35.3	40.2	36.2	21.2	26.0	17.2	95.2	95.5	95.3
20	35.2	41.9	38.2	22.5	27.9	24.6	35.3	40.6	37.5	21.0	25.4	23.0	--	--	--	--	--	--	95.3	95.9	95.4
21	41.2	46.6	43.2	19.6	22.5	15.3	36.7	47.5	38.5	17.9	23.6	3.8	35.1	39.7	35.7	21.2	30.1	23.5	95.2	95.6	95.4
22	34.9	40.1	36.5	22.4	28.0	17.8	35.2	36.6	35.7	20.1	27.2	1.4	34.2	36.4	35.6	23.2	28.9	27.0	94.5	95.4	95.0
23	34.9	36.8	35.7	24.6	28.9	27.0	35.1	36.1	35.6	24.9	28.7	27.0	35.2	36.6	35.7	22.2	26.0	24.5	94.5	95.0	94.9
24	34.8	58.7	37.9	19.8	25.9	22.6	35.0	49.0	36.8	21.5	28.5	25.0	34.7	37.4	35.7	20.3	34.8	11.5	93.1	95.0	94.4
25	34.9	43.5	36.3	19.0	30.0	22.7	34.8	59.0	37.4	17.0	21.6	17.1	34.9	39.3	35.6	23.3	34.0	28.5	93.4	97.1	93.8
26	33.9	40.4	37.0	25.5	29.6	27.8	35.0	36.0	35.6	24.0	24.9	4.1	31.3	36.3	35.6	27.7	31.3	28.9	94.2	97.1	95.4
27	35.1	45.7	37.1	22.0	26.5	24.2	34.8	36.3	35.6	24.6	30.3	28.1	35.3	38.2	36.0	21.7	26.9	15.6	94.4	96.2	95.2
28	35.0	49.5	36.4	18.5	28.2	22.9	35.1	37.3	35.6	23.4	27.7	25.6	35.0	38.0	35.7	25.0	30.0	28.2	94.5	96.2	95.0
29	35.0	40.0	36.3	23.3	27.2	25.2	35.1	39.5	36.5	19.7	28.1	14.0	35.1	37.5	35.7	24.1	27.7	26.3	94.6	95.5	95.1
30	34.8	36.7	35.7	23.9	26.3	13.1	34.9	36.0	35.6	24.3	30.3	28.5	35.4	36.0	35.7	27.0	27.3	0.4	93.9	95.5	94.7
31	36.9	45.6	40.3	20.5	23.3	19.6	35.1	44.9	39.0	19.8	24.9	22.1	35.3	36.3	35.7	25.6	27.1	9.2	94.9	95.6	95.2
Monthly Total						566.3						500.0						571.0			
Monthly Min/Max/ Avg	33.9	58.7	38.6	17.2	33.0		34.6	86.6	38.1	15.7	30.3		31.3	44.4	36.7	19.1	36.0		93.1	97.1	95.1

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

May 2026

Filter	7						8						9						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	34.9	36.3	35.6	24.8	30.4	26.4	35.2	36.1	35.6	23.1	28.3	25.3	34.1	36.4	35.6	26.4	34.5	32.1	95.0	95.5	95.2
2	35.0	39.9	36.9	21.9	25.1	11.4	35.3	36.1	35.7	22.8	28.8	7.3	34.4	38.5	35.7	25.3	33.2	30.1	95.2	95.3	95.3
3	35.3	42.1	39.0	22.8	29.6	19.2	34.4	46.6	36.3	18.5	30.6	26.0	36.6	48.9	43.6	20.6	26.8	15.4	95.3	96.0	95.8
4	35.0	36.5	35.6	26.7	31.7	29.1	35.2	36.1	35.6	26.1	29.2	28.1	--	--	--	--	--	--	95.3	95.9	95.7
5	34.6	36.1	35.6	26.7	30.8	16.8	35.1	36.1	35.6	25.6	27.4	10.7	33.2	65.7	35.8	12.4	32.4	11.7	95.0	95.3	95.2
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.0	95.0	95.0
7	32.5	36.1	35.6	28.4	31.7	6.1	35.3	36.0	35.6	25.2	32.8	7.1	--	--	--	--	--	--	94.8	95.4	95.0
8	35.2	38.8	36.1	21.8	30.0	25.6	35.0	37.4	35.6	20.6	31.0	26.8	34.5	37.8	35.7	23.5	26.8	16.0	94.9	95.4	95.2
9	34.2	37.0	35.7	22.5	26.3	24.9	35.2	36.6	35.6	23.5	27.4	25.1	34.1	37.0	35.6	23.7	28.5	26.6	94.9	95.1	95.0
10	34.1	39.5	36.5	20.3	24.6	22.6	35.2	36.1	35.6	21.6	25.2	16.3	34.2	37.4	35.7	22.6	27.1	24.9	94.5	95.1	94.9
11	33.2	45.4	37.6	19.3	27.2	16.6	34.5	38.2	35.6	21.5	31.5	15.8	35.8	42.3	37.7	21.9	26.6	15.5	94.5	95.5	95.1
12	35.1	38.4	36.0	24.4	27.0	25.5	34.9	36.2	35.7	24.0	25.2	6.9	35.1	40.8	37.8	23.8	26.4	24.9	95.0	95.9	95.4
13	35.5	43.0	39.0	22.8	25.3	22.0	35.6	41.9	38.7	23.1	25.3	24.1	37.9	45.9	41.6	22.5	24.9	23.6	95.4	95.9	95.8
14	34.9	46.9	36.4	20.7	30.4	22.1	35.0	80.8	39.7	22.5	27.7	17.2	34.8	46.9	40.0	21.1	31.6	19.6	95.2	95.9	95.6
15	35.0	37.6	35.8	25.1	32.6	26.9	--	--	--	--	--	--	34.4	44.1	37.1	22.7	34.0	27.5	95.1	95.7	95.5
16	34.4	39.7	36.1	22.5	25.9	24.1	35.2	40.0	35.7	20.7	31.2	23.4	34.2	40.4	37.2	22.7	27.2	25.3	93.9	95.2	94.7
17	--	--	--	--	--	--	34.9	37.1	35.8	22.7	30.0	25.3	38.8	43.2	40.9	22.6	25.1	13.1	94.8	95.4	95.0
18	35.2	41.1	35.8	20.9	26.0	24.1	35.3	38.9	36.2	20.4	24.7	22.1	--	--	--	--	--	--	94.4	95.2	94.8
19	35.0	37.5	35.7	23.7	28.5	27.1	35.4	38.2	35.8	21.3	25.3	5.6	--	--	--	--	--	--	95.2	95.5	95.3
20	34.6	36.4	35.7	26.5	29.8	14.5	35.2	38.8	35.7	21.7	32.6	23.9	34.3	42.9	35.8	22.6	33.0	12.5	95.3	95.9	95.4
21	35.5	36.0	35.7	25.3	25.7	0.3	35.1	36.1	35.6	26.4	30.1	28.6	34.2	36.3	35.6	27.5	31.2	29.7	95.2	95.6	95.4
22	35.1	36.3	35.6	24.5	30.6	27.1	35.1	36.2	35.6	23.7	26.8	25.8	34.3	37.7	35.6	23.7	28.6	27.4	94.5	95.4	95.0
23	35.1	36.2	35.6	24.7	31.9	30.4	35.5	36.0	35.7	22.3	23.7	0.5	35.3	41.6	36.6	21.2	25.7	19.2	94.5	95.0	94.9
24	34.5	51.2	37.2	23.2	29.9	24.8	35.0	36.6	35.7	20.6	36.5	30.9	34.0	37.4	35.4	22.3	31.5	13.4	93.1	95.0	94.4
25	32.8	39.9	35.8	25.7	34.2	28.6	35.1	36.7	35.6	23.4	32.8	29.2	32.7	49.3	37.1	22.3	27.5	25.0	93.4	97.1	93.8
26	33.1	41.4	37.2	28.0	32.1	29.9	34.0	36.5	35.8	27.4	33.0	19.7	34.6	50.6	41.7	24.1	28.4	22.1	94.2	97.1	95.4
27	35.1	47.1	36.9	20.8	31.5	8.4	34.9	36.1	35.6	27.0	33.0	30.8	34.1	41.4	35.8	26.5	32.2	25.8	94.4	96.2	95.2
28	35.2	39.7	36.0	24.7	30.7	28.2	35.1	36.1	35.6	26.5	29.9	28.5	34.2	40.5	35.7	26.3	30.5	29.0	94.5	96.2	95.0
29	34.9	37.7	35.6	26.3	29.0	27.7	35.2	36.1	35.7	24.9	29.6	21.9	34.5	40.9	36.7	24.2	28.3	23.9	94.6	95.5	95.1
30	34.7	36.2	35.6	24.9	27.2	18.9	34.3	36.1	35.6	26.2	32.2	30.7	34.3	37.9	36.3	25.1	34.0	9.7	93.9	95.5	94.7
31	--	--	--	--	--	--	35.2	40.2	36.1	21.9	28.7	25.1	35.2	42.3	37.6	24.1	27.4	25.8	94.9	95.6	95.2
Monthly Total						609.3						608.8						569.8			
Monthly Min/Max/ Avg	32.5	51.2	36.3	19.3	34.2		34.0	80.8	36.0	18.5	36.5		32.7	65.7	37.3	12.4	34.5		93.1	97.1	95.1

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

May 2026

Filter	1						2						3						4						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	46.3	89.9	78.0	65.1	81.0	76.1	46.0	56.7	51.3	49.1	60.5	56.6	74.0	84.0	79.2	68.0	83.5	78.9	49.4	49.6	49.5	67.4	73.3	71.3	94.7	95.0	94.8
2	76.9	92.1	83.4	64.3	81.0	75.7	46.9	56.8	51.6	48.5	60.2	56.3	75.0	90.7	80.9	68.3	82.9	78.3	49.3	49.7	49.5	63.8	73.2	71.1	94.3	94.9	94.7
3	46.1	89.8	75.0	66.0	81.6	76.4	49.0	57.8	51.8	49.7	60.3	56.7	76.1	84.2	80.3	69.9	82.9	79.1	49.3	49.6	49.4	68.3	74.0	71.5	94.6	95.0	94.8
4	77.9	89.2	82.8	65.0	80.9	75.4	48.2	56.6	51.1	47.7	59.9	56.2	77.2	85.0	80.5	68.3	83.0	78.3	49.2	49.6	49.4	62.9	74.0	70.9	94.7	95.0	94.8
5	76.8	86.3	80.2	63.6	81.4	75.1	46.2	55.2	49.6	47.0	59.8	55.9	73.1	86.3	78.5	65.8	82.6	77.9	49.3	49.7	49.4	64.0	73.4	70.4	94.4	95.0	94.7
6	50.1	94.9	84.0	68.3	104.3	76.9	44.9	68.9	52.4	54.7	94.5	63.4	60.4	86.0	75.6	70.2	111.0	85.9	49.3	49.5	49.4	64.9	95.3	73.8	94.4	95.2	94.6
7	77.3	88.7	82.4	72.8	90.5	84.4	57.1	80.9	77.0	66.9	84.8	77.8	66.7	75.2	69.8	81.4	102.2	94.9	49.1	49.6	49.4	69.5	82.6	79.1	94.6	95.2	94.8
8	73.8	89.7	81.0	72.2	90.0	81.7	71.3	85.4	77.6	65.3	85.3	75.3	61.9	79.2	69.5	80.0	101.9	91.8	49.2	49.6	49.4	68.9	81.8	76.6	94.3	94.8	94.5
9	47.3	95.8	69.9	63.1	86.2	73.0	50.4	94.3	75.0	58.2	79.4	67.3	68.9	86.3	78.7	70.0	95.2	81.8	49.3	49.5	49.4	59.5	75.2	68.5	94.5	95.0	94.7
10	45.5	85.7	58.9	63.0	76.7	71.8	47.9	55.4	50.7	57.2	70.0	66.1	76.7	90.1	80.7	69.5	85.5	80.1	49.2	49.6	49.4	60.6	69.5	67.3	94.5	95.1	94.7
11	49.6	55.8	53.2	64.5	75.8	72.0	52.5	59.2	56.2	59.6	70.2	66.4	84.1	97.7	89.0	71.7	85.1	80.4	49.3	49.6	49.4	64.4	69.8	67.5	95.1	95.6	95.4
12	46.5	54.2	49.9	62.1	80.3	72.9	49.0	58.1	52.9	57.1	74.5	67.0	77.2	90.6	83.4	70.0	89.8	81.7	49.1	49.6	49.4	60.2	73.5	68.3	94.7	95.6	95.1
13	48.7	78.2	55.7	42.8	80.9	19.1	59.8	68.2	35.2	51.6	86.4	39.1	49.3	62.4	48.0	60.1	96.1	45.2	49.4	52.8	51.1	53.0	74.3	39.4	95.4	95.7	95.5
14	65.8	71.4	63.6	43.4	79.1	56.2	50.0	65.3	63.1	49.3	133.8	68.3	81.3	88.6	70.0	60.7	103.9	79.0	49.2	52.8	51.7	51.7	103.7	59.4	95.1	95.7	95.4
15	48.3	61.3	53.8	58.3	71.5	66.8	50.8	67.2	56.9	52.7	66.0	61.6	46.3	88.4	63.5	64.3	79.0	74.4	49.2	49.6	49.4	55.7	65.4	62.5	94.5	95.6	95.2
16	48.7	56.8	52.2	58.9	72.3	66.9	51.4	60.1	54.9	53.7	66.8	61.9	45.1	93.4	83.9	63.8	80.1	75.0	49.3	49.5	49.4	58.3	65.3	62.9	94.5	95.1	94.8
17	48.8	53.7	50.8	59.5	72.3	66.7	51.4	58.8	53.7	54.2	65.9	61.5	45.1	92.2	82.2	65.5	80.4	74.7	49.2	49.5	49.4	56.6	65.2	62.7	94.6	95.1	94.9
18	47.2	53.7	50.4	59.7	72.2	67.3	50.8	58.5	53.6	54.9	66.7	61.8	83.2	93.7	87.0	66.8	79.9	74.8	49.1	49.5	49.4	57.9	65.2	63.0	94.6	94.9	94.8
19	48.4	55.2	51.0	58.4	71.2	66.7	50.5	59.1	53.7	54.2	65.8	61.7	85.1	93.5	87.8	66.4	79.3	74.9	49.2	49.6	49.4	59.0	65.0	62.7	94.7	95.0	94.8
20	45.2	87.4	53.3	58.4	76.5	68.0	47.5	54.0	50.4	53.6	69.3	62.5	78.2	89.4	82.3	65.5	84.3	76.0	49.3	49.6	49.4	55.5	68.4	63.6	94.3	95.0	94.7
21	77.4	93.5	87.1	59.1	74.7	67.2	46.6	79.9	51.7	54.6	69.3	62.1	75.0	91.1	84.5	63.9	83.1	75.3	49.2	49.5	49.4	58.7	68.9	63.2	94.4	94.8	94.6
22	76.9	86.4	80.9	63.6	81.1	73.5	79.3	88.0	83.3	56.7	74.2	67.7	73.5	83.7	77.6	70.7	90.1	82.4	48.9	49.5	49.4	62.3	72.8	68.7	94.0	94.8	94.4
23	65.4	79.9	73.4	66.8	81.5	76.5	66.8	82.9	75.8	61.3	75.1	70.5	64.0	76.1	71.2	74.6	90.7	85.5	49.2	49.5	49.4	69.1	74.8	71.8	93.6	94.5	94.2
24	55.9	75.1	63.3	58.4	80.2	71.4	56.5	76.8	63.8	53.4	73.9	65.9	53.7	71.2	60.2	63.9	88.9	80.1	49.2	49.5	49.4	56.6	73.5	67.2	92.3	93.6	92.7
25	57.1	82.2	71.1	66.2	81.4	76.5	57.7	84.0	72.7	61.1	74.6	70.5	54.3	81.4	68.9	74.9	90.3	85.6	49.2	49.5	49.4	64.9	73.8	71.8	92.3	94.4	93.5
26	72.9	92.3	82.0	59.6	80.6	71.4	75.7	92.1	84.6	56.1	75.5	65.8	71.7	90.3	80.6	67.2	90.5	79.9	49.1	49.6	49.4	62.4	74.6	66.9	94.1	94.7	94.4
27	69.4	85.5	78.4	66.1	90.9	80.6	71.2	86.8	81.6	60.5	83.2	74.1	68.0	84.8	77.8	73.9	101.4	90.2	49.2	49.5	49.4	67.8	82.9	75.4	94.5	95.1	94.7
28	57.5	76.0	68.3	74.6	121.4	94.4	58.3	81.0	69.0	67.6	119.3	89.5	64.5	82.0	69.5	78.2	120.2	99.7	49.2	55.1	49.8	31.3	82.4	51.4	94.2	95.0	94.6
29	54.1	75.7	65.3	67.6	114.5	95.0	54.8	79.2	65.7	63.5	114.9	91.1	60.7	77.3	69.0	72.0	114.5	97.2	49.2	71.5	51.2	64.6	80.5	36.7	93.9	95.0	94.5
30	70.8	87.1	80.3	62.9	82.3	74.0	72.4	88.4	81.9	58.4	77.0	68.3	74.3	91.2	82.9	66.0	86.0	77.0	49.2	49.6	49.4	63.6	74.5	69.2	93.9	94.9	94.4
31	83.8	108.3	97.1	52.1	80.4	65.6	48.9	97.4	64.0	47.2	75.6	59.2	49.1	97.1	64.9	53.7	81.0	67.5	49.2	49.6	49.4	51.1	65.3	47.5	94.8	95.4	95.2
Monthly Total						2,234.9						2,028.1						2,483.5						2,022.3			
Monthly Min/Max/ Avg	45.2	108.3	69.6	42.8	121.4		44.9	97.4	61.7	47.0	133.8		45.1	97.7	76.1	53.7	120.2		48.9	71.5	49.6	31.3	103.7		92.3	95.7	94.7

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

May 2026

Day	Rossdale									E.L. Smith								
	Log Removal									Log Removal								
	Giardia			Virus			*Cryptosporidium*			*Giardia*			Virus			*Cryptosporidium*		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	8.5	8.8	8.7	18	19	19	7.0	7.0	7.0	7.2	7.3	7.3	11	15	13	7.0	7.0	7.0
2	8.7	9.1	8.9	19	21	19	7.0	7.0	7.0	7.3	7.4	7.3	13	16	14	7.0	7.0	7.0
3	9.1	9.6	9.4	20	26	23	7.0	7.0	7.0	7.3	7.4	7.3	13	16	14	7.0	7.0	7.0
4	9.0	9.3	9.1	20	22	21	7.0	7.0	7.0	7.3	7.3	7.3	13	14	14	7.0	7.0	7.0
5	9.1	10.1	9.2	21	23	22	7.0	7.0	7.0	7.3	7.4	7.3	13	16	14	7.0	7.0	7.0
6	--	--	--	--	--	--	--	--	--	7.3	7.4	7.3	13	16	15	7.0	7.0	7.0
7	8.3	9.2	8.8	19	22	21	7.0	7.0	7.0	7.3	7.4	7.3	13	14	14	7.0	7.0	7.0
8	9.0	9.4	9.2	22	27	25	7.0	7.0	7.0	7.3	7.4	7.3	13	17	14	7.0	7.0	7.0
9	9.1	9.5	9.3	25	27	26	7.0	7.0	7.0	7.4	7.5	7.4	16	18	17	7.0	7.0	7.0
10	9.4	9.7	9.6	26	29	28	7.0	7.0	7.0	7.4	7.5	7.4	16	19	18	7.0	7.0	7.0
11	9.5	10.3	9.7	26	31	28	7.0	7.0	7.0	7.4	7.5	7.5	17	21	19	7.0	7.0	7.0
12	9.7	10.0	9.9	28	32	30	7.0	7.0	7.0	7.4	7.5	7.5	17	21	19	7.0	7.0	7.0
13	9.8	10.1	10.0	26	33	28	7.0	7.0	7.0	7.4	7.6	7.5	16	23	19	7.0	7.0	7.0
14	9.7	10.0	9.8	26	29	28	7.0	7.0	7.0	7.4	7.5	7.4	16	22	19	7.0	7.0	7.0
15	9.7	10.0	9.8	24	28	25	7.0	7.0	7.0	7.3	7.4	7.4	14	17	16	7.0	7.0	7.0
16	9.6	10.2	9.9	25	28	26	7.0	7.0	7.0	7.4	7.5	7.4	15	19	16	7.0	7.0	7.0
17	9.6	10.0	9.8	24	28	26	7.0	7.0	7.0	7.3	7.4	7.4	14	16	15	7.0	7.0	7.0
18	9.4	9.7	9.6	25	27	26	7.0	7.0	7.0	7.3	7.4	7.4	14	17	15	7.0	7.0	7.0
19	9.3	9.5	9.4	23	26	25	7.0	7.0	7.0	7.3	7.4	7.4	14	18	16	7.0	7.0	7.0
20	9.4	9.6	9.5	23	26	25	7.0	7.0	7.0	7.3	7.4	7.4	15	18	16	7.0	7.0	7.0
21	9.3	9.5	9.4	24	25	25	7.0	7.0	7.0	7.4	7.4	7.4	16	19	17	7.0	7.0	7.0
22	9.1	9.6	9.3	20	27	24	7.0	7.0	7.0	7.3	7.4	7.4	14	17	15	7.0	7.0	7.0
23	9.1	9.6	9.4	23	26	24	7.0	7.0	7.0	7.4	7.5	7.4	15	20	18	7.0	7.0	7.0
24	9.5	10.0	9.7	24	28	26	7.0	7.0	7.0	7.4	7.5	7.5	18	22	20	7.0	7.0	7.0
25	9.8	10.3	10.0	26	32	30	7.0	7.0	7.0	7.4	7.5	7.5	18	23	20	7.0	7.0	7.0
26	9.8	10.1	10.0	27	30	29	7.0	7.0	7.0	7.4	7.5	7.5	17	22	19	7.0	7.0	7.0
27	9.7	10.0	9.9	28	32	30	7.0	7.0	7.0	7.4	7.5	7.5	19	22	20	7.0	7.0	7.0
28	9.8	10.0	9.9	30	32	31	7.0	7.0	7.0	7.4	7.5	7.5	18	22	20	7.0	7.0	7.0
29	9.9	10.2	10.1	29	33	32	7.0	7.0	7.0	7.4	7.6	7.5	19	24	21	7.0	7.0	7.0
30	10.2	10.9	10.6	31	36	33	7.0	7.0	7.0	7.5	7.6	7.5	20	25	22	7.0	7.0	7.0
31	10.6	11.1	11.0	34	42	37	7.0	7.0	7.0	7.5	7.6	7.5	19	25	22	7.0	7.0	7.0
Monthly Min/Max/Avg	8.3	11.1	9.6	18	42	26	7.0	7.0	7.0	7.2	7.6	7.4	11	25	17	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

May 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	39.0	38.9	45.8	6,682	9,887	16,569	28,422
2	40.6	40.7	42.8	6,338	9,605	15,943	26,498
3	40.6	40.5	41.4	4,805	7,718	12,523	25,657
4	33.4	33.4	36.7	3,598	6,675	10,273	22,771
5	30.1	29.9	35.8	2,458	4,406	6,864	22,198
6	40.6	27.3	39.6	154	177	332	25,705
7	29.9	29.9	37.6	6,116	1,696	7,812	27,790
8	30.0	30.9	39.1	6,284	6,468	12,752	28,073
9	30.3	30.3	42.6	5,274	7,139	12,413	27,060
10	33.0	33.1	49.6	5,450	7,498	12,948	30,751
11	31.6	31.7	43.4	5,344	6,980	12,324	26,942
12	31.2	31.2	43.0	5,454	6,748	12,202	27,287
13	31.8	31.8	41.4	5,626	6,895	12,521	13,673
14	30.8	30.8	46.0	6,025	6,669	12,693	26,237
15	30.6	30.6	49.8	5,285	5,904	11,189	28,779
16	34.5	34.6	45.5	5,694	6,018	11,712	26,384
17	30.0	29.9	43.6	3,671	5,190	8,861	25,239
18	30.0	30.0	41.7	3,424	5,308	8,731	24,165
19	30.0	30.0	36.4	3,710	6,195	9,905	21,101
20	30.0	30.0	35.4	3,712	6,184	9,897	20,904
21	31.7	31.7	40.2	3,925	6,534	10,459	23,492
22	32.8	33.0	46.1	4,712	7,769	12,481	29,365
23	33.0	33.0	42.5	5,444	8,164	13,608	28,046
24	39.1	39.2	56.6	6,434	9,674	16,107	35,382
25	46.4	46.0	49.5	7,609	11,241	18,850	32,743
26	33.4	33.3	42.3	5,503	8,242	13,745	26,099
27	32.8	32.8	45.4	5,828	8,534	14,362	31,615
28	33.7	33.6	44.7	6,247	9,006	15,252	32,495
29	32.1	31.8	41.3	5,956	8,535	14,491	28,756
30	38.9	38.8	51.4	5,682	9,164	14,846	32,154
31	42.7	42.8	54.3	4,498	8,916	13,413	28,122
Monthly Total				156,942	219,138	376,080	833,905
Monthly Avg	34.0	33.6	43.6	5,063	7,069	12,132	26,900

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

May 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	0.35	0.35	0.17	29	43	72	50
2	0.32	0.32	0.16	24	36	60	48
3	0.30	0.30	0.16	17	28	45	48
4	0.30	0.30	0.16	16	29	45	48
5	0.30	0.30	0.16	12	21	33	48
6	0.27	0.38	0.16	0	1	2	50
7	0.30	0.30	0.16	30	8	38	57
8	0.30	0.30	0.16	30	30	61	56
9	0.30	0.30	0.16	25	34	60	49
10	0.30	0.30	0.16	24	33	57	48
11	0.30	0.30	0.16	25	32	57	48
12	0.30	0.30	0.16	25	31	57	49
13	0.27	0.27	0.16	24	29	52	26
14	0.25	0.25	0.16	24	26	50	44
15	0.25	0.25	0.16	21	23	44	45
16	0.25	0.25	0.16	20	21	41	45
17	0.25	0.25	0.16	15	21	36	45
18	0.25	0.25	0.16	14	22	35	45
19	0.27	0.27	0.16	16	27	43	45
20	0.25	0.25	0.16	15	25	40	46
21	0.27	0.27	0.16	16	27	43	45
22	0.30	0.30	0.16	21	34	55	49
23	0.30	0.30	0.16	24	36	60	51
24	0.30	0.30	0.17	24	36	60	52
25	0.30	0.30	0.18	24	36	59	57
26	0.25	0.25	0.16	20	30	50	48
27	0.27	0.27	0.17	23	33	56	56
28	0.30	0.30	0.17	27	39	66	59
29	0.30	0.30	0.16	27	39	66	55
30	0.30	0.30	0.16	21	34	56	47
31	0.30	0.30	0.17	15	30	46	42
Monthly Total				648	897	1,546	1,503
Monthly Avg	0.29	0.29	0.16	21	29	50	48

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

May 2026

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

NOTES: ' -- ' indicates carbon not being used
- Carbon consumption (kg) at 100% by weight (mixed at the sites)
- NSF limit for Carbon is **250 mg/L**

1.2.20 Sodium Hypochlorite Chemical Consumption

May 2026

Day	Rossdale					E.L. Smith	
	Dosage (mg/L)		Consumption (kg)			Dosage (mg/L)	Consumption (kg)
	Plant 1	Plant 2	Plant 1	Plant 2	Plant Total		
1	2.65	2.70	27,559	41,562	76,866	3.40	134,708
2	2.65	2.67	25,109	38,162	69,348	3.49	137,965
3	2.67	2.67	19,110	30,833	54,370	3.39	133,997
4	2.71	2.71	17,738	32,850	55,111	3.39	134,016
5	2.74	2.74	13,568	24,475	40,685	3.34	132,042
6	--	--	--	--	--	3.27	135,471
7	2.72	2.34	33,824	8,039	45,208	3.20	150,713
8	2.70	2.52	34,337	32,029	71,974	3.40	155,689
9	2.76	2.80	29,135	40,032	75,486	3.54	143,559
10	2.73	2.76	27,327	37,916	70,114	3.55	140,405
11	2.69	2.72	27,639	36,425	68,256	3.55	140,673
12	2.80	2.75	29,653	35,977	71,179	3.54	143,428
13	2.90	2.86	31,101	37,597	75,271	3.53	74,246
14	2.96	2.94	35,199	38,577	80,610	3.47	126,465
15	3.02	2.99	31,670	35,036	71,303	3.43	126,201
16	3.15	3.02	31,498	31,920	67,937	3.52	130,291
17	3.19	3.09	23,632	32,439	59,771	3.47	128,410
18	3.22	3.23	22,257	34,616	61,115	3.50	129,335
19	3.20	3.20	24,023	40,000	68,265	3.48	128,715
20	3.20	3.20	23,999	39,998	68,807	3.49	131,533
21	3.17	3.17	23,775	39,625	68,250	3.54	132,114
22	3.10	3.10	27,006	44,319	77,663	3.63	147,731
23	3.15	3.15	31,498	47,298	86,098	3.67	154,797
24	3.21	3.24	31,975	48,428	88,551	3.86	154,124
25	3.20	3.19	31,851	47,310	87,136	3.73	157,345
26	3.04	3.06	30,422	45,837	82,502	3.69	145,170
27	2.99	2.99	32,192	47,135	84,556	3.49	155,284
28	2.90	2.90	32,625	47,127	85,174	3.40	157,967
29	2.89	2.95	32,486	47,842	86,849	3.50	155,480
30	3.02	3.02	26,749	43,195	75,041	3.61	144,083
31	2.91	2.91	18,581	36,734	59,112	3.45	114,201
Monthly Total			827,537	1,143,333	2,132,610		4,276,156
Monthly Avg	2.94	2.92	27,585	38,111	71,087	3.50	137,941

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

May 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.15	0.16	29	48
2	0.15	0.18	26	54
3	0.15	0.18	21	54
4	0.15	0.20	21	59
5	0.15	0.20	15	60
6	--	0.20	--	62
7	0.15	0.18	15	64
8	0.15	0.20	27	70
9	0.15	0.20	28	62
10	0.15	0.21	27	62
11	0.15	0.21	25	62
12	0.15	0.21	26	65
13	0.15	0.21	27	34
14	0.15	0.21	28	59
15	0.15	0.21	25	60
16	0.15	0.18	23	51
17	0.15	0.18	20	51
18	0.15	0.18	20	51
19	0.15	0.18	22	51
20	0.15	0.18	22	51
21	0.15	0.17	23	49
22	0.15	0.19	26	60
23	0.15	0.19	28	61
24	0.15	0.18	28	55
25	0.19	0.18	35	57
26	0.19	0.16	38	48
27	0.19	0.14	40	48
28	0.19	0.14	42	49
29	0.23	0.14	50	47
30	0.19	0.14	35	43
31	0.19	0.14	28	35
Monthly Total			822	1,682
Monthly Avg	0.16	0.18	27	54

NOTES: ' -- ' indicates system offline

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

1.2.22-1 LAS Ammonia Chemical Consumption

May 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.50	0.62	1,011	1,783
2	0.50	0.62	932	1,787
3	0.50	0.62	723	1,800
4	0.50	0.62	722	1,783
5	0.49	0.62	524	1,772
6	--	0.63	--	1,857
7	0.52	0.63	532	2,169
8	0.54	0.63	1,043	2,101
9	0.54	0.63	1,078	1,873
10	0.54	0.63	1,021	1,838
11	0.54	0.64	957	1,868
12	0.55	0.69	1,011	2,031
13	0.58	0.73	1,080	1,059
14	0.59	0.71	1,186	1,914
15	0.61	0.66	1,080	1,796
16	0.62	0.67	1,018	1,815
17	0.62	0.67	876	1,804
18	0.62	0.66	859	1,803
19	0.62	0.66	978	1,795
20	0.62	0.66	982	1,824
21	0.62	0.66	983	1,806
22	0.62	0.65	1,137	1,932
23	0.62	0.64	1,233	1,992
24	0.62	0.64	1,228	1,862
25	0.62	0.64	1,212	1,992
26	0.62	0.64	1,242	1,863
27	0.62	0.64	1,324	2,098
28	0.62	0.63	1,364	2,153
29	0.62	0.62	1,374	2,023
30	0.62	0.62	1,151	1,831
31	0.62	0.62	914	1,522
Monthly Total			30,775	57,547
Monthly Avg	0.58	0.65	1,026	1,856

1.2.22-1 LAS Ammonia Chemical Consumption

May 2026

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

NOTES: ' -- ' indicates system offline
- LAS ammonia consumption (kg) at 100% by weight (solution delivered to sites at a concentration of **41.0%**)
- NSF limit for LAS Ammonia is **16.4 mg/L**

1.2.23 Caustic Soda Chemical Consumption

May 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	7.14	13.6	2,575	7,676
2	6.92	12.3	2,308	6,914
3	7.19	11.9	1,824	6,776
4	6.60	10.2	1,628	5,738
5	5.03	9.41	896	5,254
6	--	9.82	--	5,712
7	4.42	10.3	739	6,900
8	4.77	9.15	1,600	5,954
9	4.93	9.66	1,760	5,609
10	4.94	11.9	1,667	6,760
11	5.32	10.7	1,657	6,145
12	4.67	9.71	1,512	5,625
13	3.95	10.0	1,271	2,861
14	3.30	12.1	1,173	6,376
15	3.28	11.7	1,036	6,204
16	3.38	10.3	965	5,507
17	3.02	9.71	724	5,158
18	2.83	9.12	678	4,868
19	2.83	8.45	773	4,496
20	2.78	8.02	775	4,331
21	2.83	9.00	776	4,821
22	2.88	9.78	898	5,715
23	2.73	9.56	974	5,816
24	3.07	11.9	1,089	6,781
25	4.83	12.8	1,676	7,798
26	4.97	9.79	1,769	5,561
27	3.41	10.4	1,272	6,680
28	3.55	10.9	1,365	7,288
29	3.01	9.09	1,171	5,819
30	3.77	12.5	1,247	7,202
31	4.13	11.9	1,064	5,702
Monthly Total			38,863	184,046
Monthly Avg	4.22	10.5	1,295	5,937

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
May 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.67	0.64	609	831
2	0.67	0.64	561	827
3	0.67	0.64	435	834
4	0.67	0.64	435	825
5	0.67	0.64	322	820
6	--	0.64	--	855
7	0.66	0.64	307	987
8	0.67	0.64	581	956
9	0.67	0.64	601	854
10	0.67	0.64	569	838
11	0.66	0.64	528	841
12	0.62	0.64	513	852
13	0.62	0.65	523	422
14	0.62	0.66	556	801
15	0.63	0.64	499	779
16	0.63	0.64	466	784
17	0.65	0.64	412	774
18	0.65	0.63	405	772
19	0.65	0.63	461	769
20	0.65	0.63	462	781
21	0.65	0.64	463	780
22	0.65	0.64	536	858
23	0.65	0.64	581	894
24	0.65	0.64	578	836
25	0.65	0.64	571	894
26	0.65	0.64	585	829
27	0.65	0.62	624	907
28	0.65	0.62	642	953
29	0.65	0.62	647	911
30	0.65	0.62	542	821
31	0.64	0.62	427	679
Monthly Total			15,441	25,565
Monthly Avg	0.65	0.64	515	825

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

May 2026

Day	Dosage (mg/L)		Consumption (kg)		De-chlorinated Waste Stream to Outfall (ML)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	17.8	15.5	652	1,448	14	31
2	19.2	18.7	649	1,525	13	31
3	14.4	19.3	521	1,351	14	27
4	15.4	17.1	520	1,493	13	32
5	43.2	11.1	1,567	1,313	14	33
6	28.9	10.6	519	1,435	6.9	38
7	11.4	10.2	956	1,424	32	39
8	6.27	10.1	260	1,411	16	39
9	30.5	11.3	650	1,287	8.2	32
10	23.6	25.3	652	1,750	11	26
11	21.1	19.3	1,307	1,330	24	27
12	11.6	18.4	390	1,436	13	32
13	22.0	18.6	783	1,668	14	34
14	19.0	11.0	522	903	11	23
15	29.0	11.0	653	981	8.7	25
16	16.2	17.2	389	1,062	9.2	24
17	17.1	16.5	391	1,121	8.8	26
18	14.8	17.0	391	1,095	10	25
19	16.3	16.0	392	1,120	9.3	26
20	22.9	11.3	521	1,126	8.8	28
21	23.0	19.2	520	1,393	8.7	27
22	22.7	10.9	650	1,087	11	28
23	17.9	9.67	392	1,108	8.4	28
24	23.5	10.3	651	1,357	11	32
25	20.6	10.2	653	1,139	12	28
26	26.1	9.06	650	1,108	9.6	28
27	21.5	8.05	392	1,154	7.1	31
28	26.4	13.4	650	1,287	9.5	36
29	24.0	8.68	652	1,258	10	35
30	20.5	11.3	521	1,253	9.8	31
31	16.7	13.3	522	1,095	12	23
Monthly Total			18,937	39,517	366	925
Monthly Avg	20.8	13.9	611	1,275	12	30

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

May 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	Total	De-Chlorin'd Waste Stream 3			De-Chlorin'd Waste Stream 7		
Volume (ML)		202	0.0	105	48	3.4	359	60.14			306.30		
Solids (kg)	TSS	371,843	0	4,740			376,584						
	Aluminium	16,207	0	1,641			17,848						
# of Bypasses						2		Min	Max	Avg	Min	Max	Avg
pH								4.1	8.0	7.6	6.5	7.8	7.4
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								0.34	20.0	7.42	2.49	20.0	7.79

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

May 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		163	0.0	372	179	15	0.6	29	759	925		
Solids (kg)	TSS	527,649	0	23,599					551,248			
	Aluminium	35,401	0	8,169					43,570			
# of Bypasses						2				Min	Max	Avg
pH										6.98	7.60	7.18
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.18	20.0	6.58

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

May 2026

Month	ROSSDALE ZONE			E.L.SMITH ZONE			SYSTEM TOTAL			RESERVOIR PUMPAGE		
	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Rossdale Zone (ML)	E.L.Smith Zone (ML)	Total (ML)
JANUARY	4,071	169	213	7,613	276	290	11,684	428	384	1,094	2,830	3,923
FEBRUARY	3,477	162	180	6,861	276	307	10,338	424	384	868	2,558	3,425
MARCH	4,039	188	168	7,780	277	323	11,819	461	392	891	2,838	3,729
APRIL	4,250	205	242	7,065	267	262	11,315	464	395	935	2,855	3,790
MAY	5,005	210	230	8,485	324	341	13,490	532	522	1,119	3,228	4,524

2026 - HIGH 5-DAY DEMAND

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

Year to Date Data	2026	2025	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	58,646	57,845	1.5
AVG. DAILY DEMAND TO DATE (ML)	388	383	1.2
PEAK DAILY DEMAND TO DATE (ML)	522	475	9.9
PEAK HOURLY DEMAND TO DATE (ML)	663	628	5.6
HIGH 5-DAY AVERAGE TO DATE (ML)	496	462	7.2

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

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

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

May 2026

Reservoir	Papaschase 1			Ormsby			Clareview Discharge			Millwoods Discharge			Kaskitayo			Discovery Park		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1.43	1.95	1.80	1.81	2.03	1.99	1.43	1.75	1.54	1.72	1.86	1.83	1.68	1.83	1.78	1.06	1.12	1.09
2	1.83	1.96	1.88	1.76	2.01	1.96	1.34	1.60	1.54	1.77	1.85	1.81	1.62	1.75	1.74	1.04	1.11	1.07
3	--	--	--	1.82	1.95	1.92	--	--	--	1.75	1.88	1.80	1.63	1.81	1.71	1.02	1.08	1.05
4	--	--	--	1.75	2.00	1.89	1.38	1.69	1.56	1.74	1.83	1.77	1.71	1.75	1.72	0.99	1.04	1.01
5	1.69	1.77	1.69	1.83	1.90	1.86	1.36	1.73	1.49	1.71	1.82	1.77	1.60	1.81	1.70	0.98	1.03	1.00
6	1.49	1.68	1.62	1.76	1.84	1.80	1.38	1.50	1.47	1.68	1.80	1.74	1.59	1.77	1.66	0.96	1.00	0.97
7	1.47	1.64	1.57	1.73	1.79	1.76	1.35	1.47	1.45	1.64	1.86	1.75	1.61	1.83	1.67	0.93	0.99	0.95
8	--	--	--	1.68	1.78	1.74	1.40	1.56	1.45	1.69	1.81	1.75	1.70	1.78	1.71	0.92	0.96	0.94
9	1.64	1.92	1.65	1.72	1.89	1.85	1.43	1.55	1.54	1.68	1.79	1.75	1.62	1.93	1.71	0.91	0.95	0.93
10	1.75	1.85	1.87	1.62	1.89	1.82	1.37	1.81	1.55	1.64	1.85	1.74	1.66	1.81	1.68	0.89	0.94	0.91
11	1.55	1.83	1.58	1.73	1.84	1.78	1.41	1.80	1.47	1.64	1.83	1.70	1.59	1.68	1.63	0.86	0.91	0.88
12	1.26	1.59	1.45	1.62	1.78	1.73	1.39	1.59	1.53	1.64	1.79	1.69	1.56	1.75	1.61	0.86	1.13	0.96
13	1.42	1.85	1.49	1.50	1.81	1.74	1.47	1.58	1.54	1.66	1.94	1.75	1.62	1.92	1.68	1.07	1.14	1.11
14	1.43	2.01	1.60	1.69	1.94	1.85	1.41	1.55	1.51	1.56	1.88	1.79	1.55	1.89	1.73	1.11	1.17	1.13
15	1.61	1.81	1.76	1.80	1.88	1.88	1.40	1.88	1.49	1.75	1.96	1.89	1.71	1.87	1.84	1.12	1.18	1.14
16	1.71	2.11	1.73	1.77	1.91	1.85	1.46	1.96	1.68	1.81	1.97	1.89	1.69	2.02	1.81	1.09	1.15	1.12
17	1.82	2.11	1.88	1.80	1.97	1.89	1.54	1.95	1.64	1.77	2.01	1.91	1.75	1.93	1.83	1.08	1.14	1.10
18	1.71	2.04	1.81	1.81	1.92	1.88	1.43	1.96	1.60	1.84	1.99	1.91	1.81	1.87	1.85	1.06	1.12	1.08
19	1.72	2.07	1.75	1.74	1.87	1.81	1.52	1.92	1.60	1.75	2.03	1.92	1.85	2.06	1.86	1.03	1.10	1.06
20	1.41	1.81	1.77	1.73	1.90	2.11	1.49	1.68	1.63	1.81	1.98	1.93	1.83	1.89	1.88	1.00	1.08	1.03
21	1.43	1.95	1.82	2.16	2.30	2.24	1.49	1.99	1.54	1.85	1.95	1.91	1.76	1.89	1.86	0.99	1.04	1.02
22	1.78	2.04	1.80	1.84	2.29	2.25	1.51	1.63	1.60	1.89	1.99	1.92	1.73	1.90	1.86	0.96	1.02	0.99
23	1.80	2.08	1.82	2.17	2.28	2.23	1.45	1.96	1.68	1.88	1.97	1.92	1.75	1.93	1.86	0.94	1.02	0.98
24	1.75	1.82	1.92	2.14	2.26	2.22	1.56	1.95	1.62	1.70	1.95	1.89	1.80	1.91	1.86	0.93	1.02	0.98
25	1.43	2.12	1.82	--	--	--	--	--	--	1.79	1.93	1.88	1.82	2.03	1.85	0.92	0.99	0.95
26	1.69	2.06	1.83	--	--	--	1.43	1.92	1.68	1.80	1.91	1.84	1.75	1.86	1.82	0.93	1.24	1.08
27	1.63	1.90	1.80	2.25	2.36	2.27	1.37	1.53	1.47	1.82	1.87	1.84	1.69	1.96	1.79	1.17	1.24	1.20
28	1.68	1.98	1.85	2.15	2.28	2.24	1.45	1.70	1.59	1.81	1.94	1.87	1.71	1.95	1.82	1.17	1.27	1.21
29	1.65	1.81	1.73	2.10	2.26	2.21	1.42	1.80	1.66	1.79	1.90	1.85	1.77	1.87	1.82	1.18	1.27	1.22
30	1.93	1.93	1.93	1.90	2.21	1.91	1.44	1.85	1.67	1.74	1.86	1.79	1.69	1.87	1.76	1.18	1.27	1.22
31	1.54	1.59	1.59	1.66	2.18	2.13	1.45	1.66	1.62	1.59	1.83	1.75	1.68	1.95	1.72	1.16	1.25	1.20
Monthly Min/Max/Avg	1.26	2.12	1.74	1.50	2.36	1.96	1.34	1.99	1.57	1.56	2.03	1.82	1.55	2.06	1.77	0.86	1.27	1.05

NOTES: '--' Indication Analyzer Offline

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

May 2026

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				1.70	1.84	1.74				1.50	1.78	1.65				1.64	1.67	1.66
2				1.67	1.81	1.71	1.68	1.98	1.70	1.60	1.97	1.69	1.49	2.05	1.75	1.62	1.66	1.64
3				1.62	1.74	1.66	1.50	1.88	1.75	1.61	1.86	1.66	1.74	2.06	1.83	1.61	1.65	1.63
4	1.66	1.66	1.66	1.52	1.67	1.60	1.71	1.98	1.72	1.55	1.80	1.61	1.72	2.02	1.84	1.60	1.64	1.63
5	1.60	1.62	1.61	1.54	1.66	1.59	1.70	1.98	1.80	1.54	1.88	1.58	1.69	2.04	1.82	1.83	1.91	1.79
6	1.52	1.68	1.56	1.49	1.59	1.53	1.63	2.03	1.67	1.47	1.65	1.53	1.57	2.01	1.65	1.86	1.92	1.89
7	1.48	1.55	1.52	1.47	1.60	1.52	1.62	2.00	1.77	1.28	1.66	1.50	1.56	2.01	1.71	1.87	1.95	1.89
8				1.47	1.58	1.51	1.59	1.93	1.61	1.45	1.94	1.55	1.56	1.97	1.57	1.85	1.90	1.87
9	--	--	--	1.46	1.64	1.54	--	--	--	1.51	1.94	1.57	1.57	2.04	1.65	1.85	1.93	1.89
10	--	--	--	1.48	1.66	1.54	--	--	--	1.54	1.94	1.57	--	--	--	1.91	2.01	1.97
11	1.64	1.64	1.64	1.47	1.66	1.53	1.57	1.93	1.59	1.51	1.91	1.56	1.59	1.99	1.60	1.93	2.00	1.96
12	1.61	1.61	1.61	1.45	1.67	1.52	1.51	1.90	1.59	1.52	1.96	1.61	1.49	1.51	1.51	1.90	1.95	1.93
13	1.50	1.62	1.58	1.47	1.69	1.54	1.53	1.98	1.56	1.49	1.99	1.53	1.32	1.50	1.47	1.92	2.03	1.98
14	--	--	--	1.32	1.70	1.57	1.53	1.71	1.54	1.41	1.53	1.48	1.51	1.53	1.51	1.92	2.00	1.97
15	--	--	--	1.49	1.74	1.59	1.60	1.62	1.61	1.41	1.98	1.61	1.49	1.56	1.54	1.97	2.04	2.02
16	1.68	1.71	1.69	1.51	1.77	1.59	1.58	2.11	1.60	1.56	2.08	1.72	1.48	1.52	1.58	2.03	2.10	2.05
17	1.69	1.70	1.69	1.32	1.75	1.63	1.69	1.71	1.71	1.53	1.84	1.57	1.64	1.66	1.65	2.01	2.10	2.05
18	--	--	--	1.53	1.81	1.63	1.70	1.71	1.71	1.55	2.03	1.60	1.64	1.65	1.66	2.01	2.14	2.07
19	1.69	1.72	1.71	1.54	1.84	1.67	1.67	1.71	1.69	1.50	1.94	1.52	1.62	1.65	1.63	2.04	2.12	2.10
20	--	--	--	1.47	1.85	1.62	1.26	1.96	1.73	1.42	1.50	1.48	1.68	1.71	1.75	2.09	2.13	2.11
21	--	--	--	1.53	1.81	1.60	1.67	2.06	1.70	1.39	1.49	1.46	1.65	1.71	1.68	2.07	2.11	2.09
22	1.60	1.68	1.66	1.56	1.85	1.67	1.70	2.13	1.72	1.40	1.71	1.55	1.68	1.73	1.70	2.06	2.11	2.09
23	--	--	--	1.57	1.85	1.67	1.66	2.03	1.72	1.49	2.11	1.60	1.71	1.72	1.72	2.07	2.13	2.11
24	--	--	--	1.58	1.83	1.68	1.67	1.73	1.84	1.51	2.06	1.60	1.70	1.74	1.89	2.09	2.13	2.11
25	--	--	--	1.61	1.82	1.67	1.68	2.07	1.71	1.47	2.06	1.58	1.72	1.73	1.75	2.08	2.14	2.11
26	--	--	--	1.54	1.84	1.65	1.70	1.93	1.74	1.52	2.05	1.54	1.62	1.68	1.68	2.07	2.12	2.09
27	1.42	1.74	1.64	1.57	1.83	1.66	1.69	1.93	1.73	1.38	1.78	1.53	1.64	1.70	1.67	2.04	2.10	2.07
28	--	--	--	1.53	1.79	1.64	1.67	2.09	1.75	1.44	1.56	1.49	1.71	1.75	1.82	2.07	2.11	2.09
29				1.56	1.81	1.68				1.43	1.53	1.49				2.08	2.12	2.10
30				1.51	1.74	1.61	1.51	2.03	1.73	1.40	1.52	1.48				2.03	2.08	2.06
31	1.53	1.61	1.60	1.47	1.69	1.57	1.67	2.00	1.81	1.42	1.89	1.55	1.64	2.07	1.72	1.98	2.03	2.01
Monthly Min/Max/Avg	1.42	1.74	1.63	1.32	1.85	1.61	1.26	2.13	1.70	1.28	2.11	1.56	1.32	2.07	1.68	1.60	2.14	1.97

NOTES: '--' Indication Analyzer Offline

1.2.31 Orthophosphate Chemical
May 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	727	993
2	0.90	0.90	670	1,044
3	0.90	0.90	552	1,076
4	0.90	0.90	500	1,019
5	0.90	0.90	437	1,052
6	--	0.90	--	1,086
7	0.90	0.87	296	910
8	0.90	0.90	671	596
9	0.90	0.90	725	1,075
10	0.90	0.90	679	1,046
11	0.90	0.90	672	1,053
12	0.90	0.90	645	1,104
13	0.90	0.90	727	463
14	0.90	0.90	628	967
15	0.90	0.90	697	1,032
16	0.90	0.90	531	929
17	0.90	0.90	555	964
18	0.90	0.90	532	1,058
19	0.90	0.90	533	931
20	0.90	0.90	549	1,012
21	0.90	0.90	622	1,042
22	0.90	0.90	613	1,055
23	0.90	0.90	731	1,116
24	0.90	0.90	727	1,050
25	0.90	0.90	682	1,143
26	0.90	0.90	760	1,046
27	0.90	0.90	779	1,131
28	0.90	0.90	812	1,215
29	0.90	0.90	773	1,163
30	0.90	0.90	659	1,058
31	0.90	0.90	550	871
Monthly Total			19,034	31,299
Monthly Avg	0.90	0.90	634	1,010

NOTES: ' -- ' indicates plant offline
- Fluoride consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 21.8%)

1.2.32 Summary of Mainbreaks

May 2026

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
5/1/2026 12:08	12016-124 STREET NW	5/1/2026 20:15	200	CI
5/2/2026 8:24	15762-110B AVENUE NW	5/13/2026 14:15	250	CI
5/2/2026 9:40	12016-124 STREET NW	5/2/2026 12:14	200	CI
5/3/2026 1:47	8128-84 AVENUE NW	5/3/2026 18:00	200	CI
5/5/2026 10:26	3716-104 STREET NW	5/5/2026 19:20	200	AC
5/9/2026 17:21	8961-80 AVENUE NW	5/10/2026 13:35	200	CI
5/11/2026 11:58	12016-124 STREET NW	5/12/2026 8:50	200	CI
5/17/2026 20:31	8415D-169 STREET NW	Work in Progress	100	CI
5/21/2026 0:57	14831-118 AVENUE NW	5/27/2026 16:40	150	CI
5/22/2026 8:25	11435-95 STREET NW	5/22/2026 19:49	150	CI
5/27/2026 16:44	14831-118 AVENUE NW	5/27/2026 20:00	150	CI
5/31/2026 1:28	7007-96 STREET NW	5/31/2026 18:07	200	CI
5/31/2026 6:19	8915-83 AVENUE NW	5/31/2026 20:58	150	CI
5/31/2026 20:58	8915-83 AVENUE NW	6/1/2026 0:10	0	[None]

Month	Total Breaks By Month
Jan-26	31
Feb-26	23
Mar-26	24
Apr-26	18
May-26	14
Jun-26	
Jul-26	
Aug-26	
Sep-26	
Oct-26	
Nov-26	
Dec-26	
YTD 2026	**110**

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

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

May 2026

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO3/L)	61	114.0	107.0 - 124.0	300	119.2	91.0 - 139.0		
Aluminum (mg/L)	2	0.051	0.049 - 0.053	10	0.068	0.016 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	10	<0.005	<0.005	46	0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	61	1.3	0.9 - 2.2	300	1.0	<0.5 - 2.2		
Cadmium (mg/L)	2	<0.00002	<0.00002	10	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO3)	61	113.6	110.0 - 120.0	300	117.6	96.0 - 136.0		
Chlorate Dissolved (mg/L)	10	0.21	0.12 - 0.34	46	0.19	0.09 - 0.50	1.00	
Chloride Dissolved (mg/L)	10	6.8	5.8 - 7.2	46	7.4	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	62	2.08	1.54 - 2.27	301	2.03	1.54 - 2.27		
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	46	0.008	<0.005 - 0.136	1.000	
Chloroform (µg/L)	61	19.1	13.1 - 34.0	300	12.5	3.8 - 34.0	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002	0.0500	
Colour (TCU)	61	0.7	<0.5 - 1.2	300	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	390.0	373.0 - 398.0	43	399.2	357.0 - 434.0		
Copper (mg/L)	2	<0.002	<0.002	10	0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	10	<0.1	<0.1		
Fluoride (mg/L)	61	0.71	0.66 - 0.78	300	0.70	0.62 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	10	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	17.9	16.9 - 18.8	10	16.0	11.3 - 18.8	80.0	40.0
Iron (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	10	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	4	<0.0050	<0.0050	12	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	10	0.02	0.02 - 0.03	46	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	10	0.02	0.02	46	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.0010	0.0009 - 0.0011	10	0.0009	<0.0009 - 0.0011	0.0400	0.0100
pH	61	8	8	300	8	8		7 - 8
Potassium (mg/L)	2	1.0	0.9 - 1.0	10	1.0	0.7 - 2.0		
Sodium (mg/L)	2	12.5	11.3 - 13.7	10	11.0	6.6 - 21.6	(200.0)	
Sulphate Dissolved (mg/L)	10	74.9	69.4 - 84.6	46	73.1	62.0 - 95.5	(500.0)	
Total Dissolved Solids (mg/L)	2	221.50	213.00 - 230.00	10	222.80	213.00 - 237.00	(500.00)	
Total Hardness (mg/L CaCO3)	61	172.1	166.0 - 181.0	300	177.8	146.0 - 204.0		
Total Organic Carbon (mg/L)	8	1.6	1.5 - 1.7	42	1.4	0.9 - 1.8		
Trihalomethanes (µg/L)	61	20.9	14.8 - 36.2	300	13.8	5.3 - 36.2	100.0	50.0
Turbidity (NTU)	61	0.04	<0.04 - 0.07	300	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005	(5.000)	

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 – May 2026

Drinking water quality must meet the requirements in the Alberta Environment and Protected Areas *Approval-to-Operate* (638-04-02) and the limits set out in the latest version of the Health Canada *Guidelines for Canadian Drinking Water Quality (GCDWQ)*. The latest internet edition of the *GCDWQ* was issued in December 2025. Health Canada updates their on-line document regularly, but they recommend always consulting individual guideline technical documents and guidance documents on Health Canada's website, "Water Quality—Reports and Publications" for the most current information. Guideline limits are listed as Maximum Acceptable Concentrations (MAC), Aesthetic Objectives (AO) or Operational Guidelines (OG). The latest edition of Health Canada's Guidelines includes parameter types, 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* (638-04-02) requirements occurs if the chlorine residual in more than 25% of follow-up samples are < 0.5 mg/L. Alberta Environment and Protected Areas is to be notified of any single positive total coliform sample and follow-up sampling is done according to the *Communication and Action Protocol for Failed Bacteriological Results in Drinking Water*. Any sample that is positive for *E. coli* is also considered a violation and requires follow-up action and re-sampling. A repeat total coliform positive from the same location is also considered a violation.

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

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

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

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

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

Current month: **1** YTD Total: **1**

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

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

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

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

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

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

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

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

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

Variance Category[1]	This Month	YTD
Turbidity > 1 NTU	16	26
Chlorine < 1 mg/L or > 2.4 mg/L	1	3
Single Positive Coliform	1	2
THMs > 50 µg/L	0	0
Pipe Lube, Odour, UV positive	0	0
Aluminum[2] > 0.20 (or 0.1) mg/L	1	3
Iron > 0.10 mg/L	2	4
Other	0	0
Total Variances + Violations	22	39

2.2.1 BACTERIOLOGICAL DATA

Water Treatment Plants

May 2026

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Coliforms total (MPN/100 mL)	4	222.0	93.2 - 547.5	21	259.3	22.8 - 1732.9
E. coli (MPN/100 mL)	4	21.5	1.0 - 76.7	21	6.3	1.0 - 76.7
Rossdale Raw						
Cellular ATP (pg/mL)	1	85.5	85.5	6	134.4	14.6 - 303.8
Coliforms total (MPN/100 mL)	30	216.2	23.1 - 1413.6	147	492.5	23.1 - 6510.0
E. coli (MPN/100 mL)	30	16.1	2.0 - 77.1	147	38.3	1.0 - 914.0
EL Smith Treated						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.3	151	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	149	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	149	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.2	148	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	30	-VE	-VE	146	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	146	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.3	151	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	149	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	149	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.4	149	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	30	-VE	-VE	148	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	148	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

May 2026

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	116	0.2	<0.10 - 2.5	580	0.2	<0.10 - 9.4
Chlorine total (mg/L)	260	1.81	0.98 - 2.21	1125	1.83	0.35 - 2.42
Coliforms total (MPN/100 mL)	9	51.2	461.1	18	25.6	461.1
Coliforms total (PA/100mL)	253	-VE	+VE	1102	-VE	+VE - -VE
E. coli (MPN/100 mL)	9	Not Detected	Not Detected	18	Not Detected	Not Detected
E. coli (PA/100mL)	253	-VE	-VE	1102	-VE	-VE
Turbidity (NTU)	260	0.26	<0.04 - 1.90	1125	0.16	<0.04 - 1.90

262

Count of Bacteriological Tests

125%

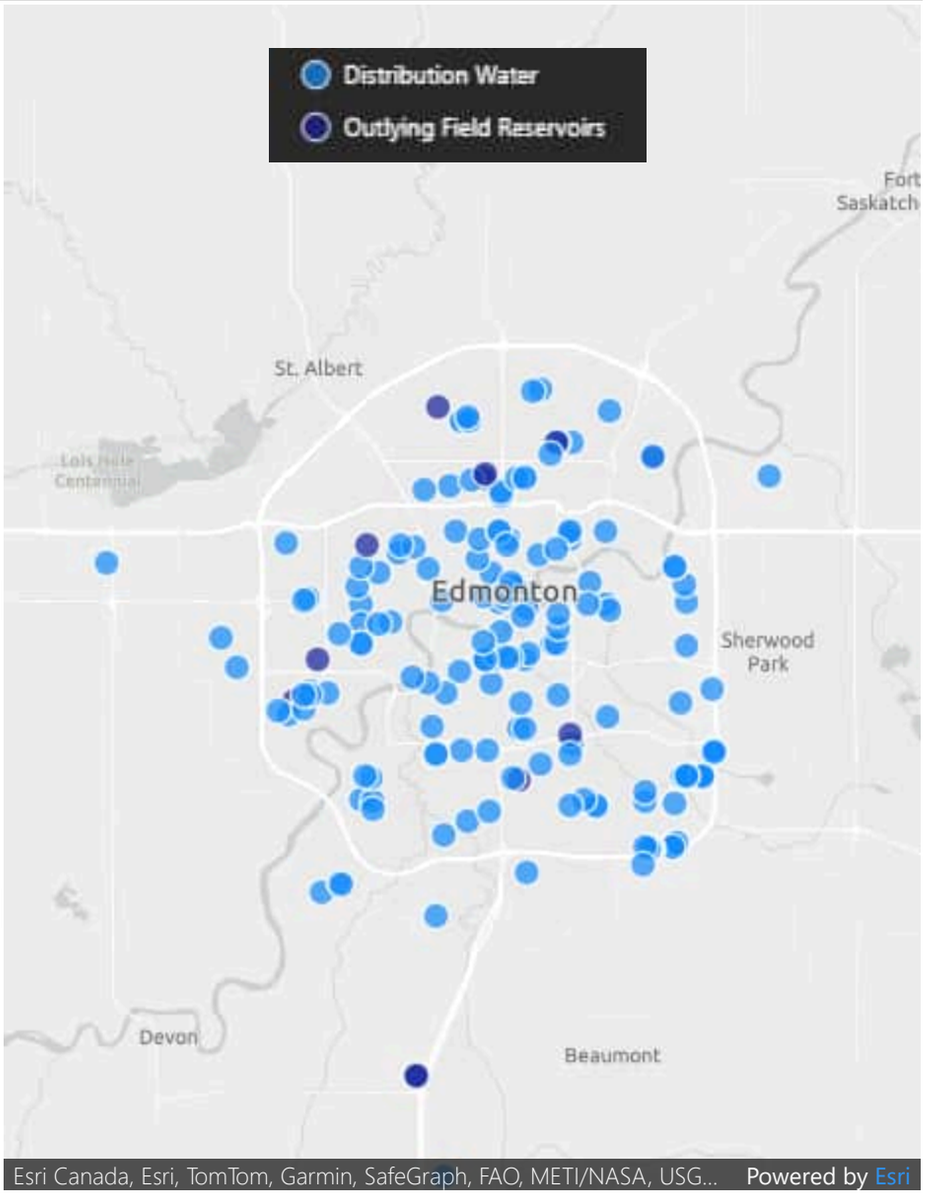
Percent of Target Sampling (210)

45%

Analyzed by AHS

55%

Analyzed by Epcor



2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

May 2026

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

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	148	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	5	<0.1	<0.1		
E. coli (PA/100mL)	30	-VE	-VE	148	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	5	<0.1	<0.1		
Physical								
Colour (TCU)	30	0.8	0.6 - 1.2	149	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	384.5	373.0 - 393.0	21	397.8	357.0 - 430.0		
pH	30	8	8	149	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	230.00	230.00	5	224.00	214.00 - 231.00	(500.00)	
Turbidity (NTU)	30	0.04	<0.04 - 0.05	149	0.05	<0.04 - 0.32	(3.00)	1.00
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	0.063	0.063	5	0.061	0.053 - 0.063	2.000	
Boron (mg/L)	1	0.009	0.009	5	0.010	0.009 - 0.014	5.000	
Bromate Dissolved (mg/L)	5	<0.005	<0.005	23	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)	5	0.28	0.23 - 0.34	23	0.27	0.20 - 0.50	1.00	
Chlorine total (mg/L)	31	2.04	1.54 - 2.25	150	2.02	1.54 - 2.25		
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	23	0.011	<0.005 - 0.136	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.200	
Fluoride (mg/L)	30	0.72	0.67 - 0.78	149	0.72	0.65 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	5	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	6	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.02	0.02 - 0.03	23	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	23	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	5	0.0002	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	5	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	5.0	
Benzene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	30.00	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	2	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	16.9	16.9	5	16.4	13.4 - 18.6	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	149	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	2	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	2	<0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	0.0011	0.0011	5	0.0009	<0.0009 - 0.0011	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	2	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	2	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	2	<12.0	<12.0		
Trichloroethylene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	30	22.0	17.4 - 36.2	149	14.8	6.4 - 36.2	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	149	<1.0	<0.50 - <1.0	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	112.0	107.0 - 117.0	149	117.8	91.0 - 138.0		
Aluminum (mg/L)	1	0.049	0.049	5	0.075	0.016 - 0.172	2.900 (0.100)	
Ammonia as NH3 (mg/L)	13	0.11	0.07 - 0.15	75	0.10	<0.05 - 0.19		
Beryllium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	23	<0.03	<0.03		
Calcium (mg/L)	1	48.3	48.3	5	48.8	40.9 - 52.7		
Calcium Hardness (mg/L CaCO3)	30	113.4	110.0 - 118.0	149	117.8	96.0 - 136.0		
Chloride Dissolved (mg/L)	5	6.6	5.8 - 6.9	23	7.6	4.8 - 16.2	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	7	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	5	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	5	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	5	0.0035	0.0032 - 0.0037		
Magnesium (mg/L)	1	14.3	14.3	5	14.7	12.4 - 15.9		
Molybdenum (mg/L)	1	0.0006	0.0006	5	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	5	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	5	<0.02	<0.02		
Potassium (mg/L)	1	1.0	1.0	5	1.1	0.7 - 2.0		
Silicon (mg/L)	1	1.82	1.82	5	2.22	1.82 - 2.52		
Silver (mg/L)	1	<0.00002	<0.00002	5	<0.00002	<0.00002		
Sodium (mg/L)	1	11.3	11.3	5	10.3	6.6 - 16.5	(200.0)	
Strontium (mg/L)	1	0.462	0.462	5	0.453	0.403 - 0.476	7.000	
Sulphate Dissolved (mg/L)	5	72.9	69.4 - 76.4	23	72.5	62.4 - 86.3	(500.0)	
Sulphide (mg/L)	1	0.0016	0.0016	2	0.0016	<0.0015 - 0.0016	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	30	171.8	166.0 - 177.0	149	177.9	146.0 - 204.0		
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)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	30	<1.0	<1.0	149	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	30	<0.5	<0.5	149	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	149	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	8.5	8.5	5	8.5	7.2 - 9.9		
Total Volatile Organics (Non THM) (µg/L)	30	2.9	<1.0 - 4.1	147	1.4	<1.0 - 4.1		
Total Organic Carbon (mg/L)	4	1.7	1.6 - 1.7	21	1.5	1.1 - 1.8		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Styrene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	149	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	14.0	
Dichloroethane (1,2) (µg/L)	30	<0.5	<0.5	147	<0.5	<0.5	5.0	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	8.3	8.3	5	7.8	6.1 - 9.1		
Dibromochloromethane (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Chloroform (µg/L)	30	20.2	15.6 - 34.0	149	13.5	4.6 - 34.0	(40.0)	
Chlorobenzene (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Bromoform (µg/L)	30	<0.5	<0.5	149	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	30	1.4	1.2 - 2.2	149	1.2	0.5 - 2.2		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	0.09	0.09	1.00	
Gross Alpha (Bq/L)				1	<0.11	<0.11	0.50	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	149	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	5	<0.1	<0.1		
E. coli (PA/100mL)	31	-VE	-VE	149	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	5	<0.1	<0.1		
Physical								
Colour (TCU)	31	0.7	<0.5 - 0.9	151	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	395.5	393.0 - 398.0	22	400.5	363.0 - 434.0		
pH	31	8	8	151	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	213.00	213.00	5	221.60	213.00 - 237.00	(500.00)	
Turbidity (NTU)	31	0.04	<0.04 - 0.07	151	0.05	<0.04 - 0.28	(3.00)	1.00
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 - 0.0002	0.0100	
Barium (mg/L)	1	0.061	0.061	5	0.061	0.057 - 0.063	2.000	
Boron (mg/L)	1	0.008	0.008	5	0.011	0.008 - 0.017	5.000	
Bromate Dissolved (mg/L)	5	<0.005	<0.005	23	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)	5	0.14	0.12 - 0.17	23	0.12	0.09 - 0.17	1.00	
Chlorine total (mg/L)	31	2.12	1.94 - 2.27	151	2.04	1.83 - 2.27		
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	23	0.006	<0.005 - 0.023	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.200	
Fluoride (mg/L)	31	0.70	0.66 - 0.78	151	0.69	0.62 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	5	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	6	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.02	0.02 - 0.03	23	0.08	0.02 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	23	0.02	0.02	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 - 0.0005	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	5.0	
Benzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	30.00	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	2	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	18.8	18.8	5	15.6	11.3 - 18.8	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	<0.5	<0.5	151	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	2	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	2	<0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	0.0009	0.0009	5	0.0009	<0.0009 - 0.0010	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	2	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	2	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	2	<12.0	<12.0		
Trichloroethylene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	31	19.8	14.8 - 28.3	151	12.7	5.3 - 28.3	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	151	<1.0	<0.50 - <1.0	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	31	115.9	112.0 - 124.0	151	120.5	98.0 - 139.0		
Aluminum (mg/L)	1	0.053	0.053	5	0.062	0.018 - 0.081	2.900 (0.100)	
Ammonia as NH3 (mg/L)	14	0.08	<0.05 - 0.12	77	0.07	<0.05 - 0.12		
Beryllium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	23	<0.03	<0.03		
Calcium (mg/L)	1	47.7	47.7	5	48.5	41.3 - 52.2		
Calcium Hardness (mg/L CaCO3)	31	113.8	110.0 - 120.0	151	117.3	98.0 - 135.0		
Chloride Dissolved (mg/L)	5	7.1	6.9 - 7.2	23	7.2	5.5 - 14.0	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	6	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	5	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	5	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	5	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0029	0.0029	5	0.0033	0.0029 - 0.0037		
Magnesium (mg/L)	1	14.2	14.2	5	14.5	12.0 - 15.7		
Molybdenum (mg/L)	1	0.0006	0.0006	5	0.0006	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	5	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	5	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	5	<0.02	<0.02		
Potassium (mg/L)	1	0.9	0.9	5	1.0	0.7 - 2.0		
Silicon (mg/L)	1	1.74	1.74	5	2.17	1.74 - 2.48		
Silver (mg/L)	1	<0.00002	<0.00002	5	<0.00002	<0.00002		
Sodium (mg/L)	1	13.7	13.7	5	11.7	7.2 - 21.6	(200.0)	
Strontium (mg/L)	1	0.462	0.462	5	0.452	0.397 - 0.478	7.000	
Sulphate Dissolved (mg/L)	5	77.0	72.3 - 84.6	23	73.6	62.0 - 95.5	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	2	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	5	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	31	172.4	168.0 - 181.0	151	177.7	148.0 - 204.0		
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)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	31	<1.0	<1.0	151	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	31	<0.5	<0.5	151	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	151	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	9.2	9.2	5	8.2	5.8 - 9.6		
Total Volatile Organics (Non THM) (µg/L)	31	2.7	<1.0 - 3.8	149	1.4	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	1.6	1.5 - 1.7	21	1.4	0.9 - 1.7		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Styrene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	151	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	14.0	
Dichloroethane (1,2) (µg/L)	31	<0.5	<0.5	149	<0.5	<0.5	5.0	
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	9.7	9.7	5	7.4	5.5 - 9.7		
Dibromochloromethane (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Chloroform (µg/L)	31	18.1	13.1 - 26.3	151	11.6	3.8 - 26.3	(40.0)	
Chlorobenzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Bromoform (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	31	1.3	0.9 - 2.1	151	0.9	<0.5 - 2.1		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	5	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	<0.05	<0.05	1.00	
Gross Alpha (Bq/L)				1	<0.12	<0.12	0.50	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
EL Smith Combined Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	96.2	93.1	151	97.4	92.5 - 97.4		
UV Absorbance (UV Abs/cm)	31	0.023	0.017 - 0.031	151	0.023	0.011 - 0.034		
EL Smith Treated								
Turbidity (NTU)	31	0.04	<0.04 - 0.06	151	0.04	<0.04 - 0.09	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	95.9	91.7	148	96.9	91.4 - 96.9		
UV Absorbance (UV Abs/cm)	30	0.025	0.018 - 0.038	148	0.024	0.014 - 0.039		
Rossdale Treated								
Turbidity (NTU)	30	0.04	<0.04 - 0.06	148	0.04	<0.04 - 0.07	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	<0.5	<0.5	151	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	15.4	10.6 - 22.6	151	10.2	4.2 - 22.6	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	151	<1.0	<0.50 - <1.0	2.00	
Rossdale Treated								
Benzene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	148	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	17.8	13.6 - 29.1	148	12.2	4.8 - 29.1	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	148	<1.0	<0.50 - <1.0	2.00	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Inorganics								
EL Smith Treated								
Bromate Dissolved (mg/L)	5	<0.005	<0.005	23	0.005	<0.005	0.010	
Chlorate Dissolved (mg/L)	5	0.14	0.11 - 0.17	23	0.11	0.08 - 0.17	1.00	
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	23	0.005	<0.005	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.02	0.02 - 0.03	23	0.08	0.02 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	23	0.02	0.01 - 0.02	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	5	<0.005	<0.005	23	0.005	<0.005	0.010	
Chlorate Dissolved (mg/L)	5	0.30	0.24 - 0.34	23	0.27	0.20 - 0.48	1.00	
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	23	0.006	<0.005 - 0.037	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.02	0.01 - 0.03	23	0.08	0.01 - 0.21	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	23	0.02	0.02	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	14	0.07	<0.05 - 0.13	77	0.08	<0.05 - 0.13		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	23	<0.03	<0.03		
Chloride Dissolved (mg/L)	5	7.1	6.7 - 7.4	23	7.1	5.6 - 13.0	(250.0)	
Sulphate Dissolved (mg/L)	5	77.1	73.1 - 85.6	23	73.9	62.1 - 92.6	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	13	0.07	<0.05 - 0.13	74	0.08	<0.05 - 0.19		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	23	<0.03	<0.03		
Chloride Dissolved (mg/L)	5	6.7	5.7 - 7.5	23	7.9	4.9 - 14.7	(250.0)	
Sulphate Dissolved (mg/L)	5	72.5	69.7 - 76.2	23	72.4	62.4 - 85.6	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	31	1.1	0.6 - 1.7	151	0.8	<0.5 - 1.7		
Bromoform (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	13.9	9.4 - 21.1	151	9.2	3.2 - 21.1	(40.0)	
Dibromochloromethane (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	151	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	31	2.8	<1.0 - 3.9	149	1.4	<1.0 - 3.9		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	151	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	151	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	<0.5	<0.5	151	<0.5	<0.40 - <0.5		
Xylenes total (µg/L)	31	<1.0	<1.0	151	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Bromodichloromethane (µg/L)	30	1.2	0.9 - 1.8	148	1.0	0.5 - 2.1		
Bromoform (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	16.2	11.9 - 26.9	148	11.0	3.5 - 26.9	(40.0)	
Dibromochloromethane (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	148	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	30	2.9	<1.0 - 4.1	146	1.4	<1.0 - 4.1		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	148	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	148	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	<0.5	<0.5	148	0.50	<0.40 - 0.70		
Xylenes total (µg/L)	30	<1.0	<1.0	148	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	9	51.2	461.1	18	25.6	461.1	0.0	
Coliforms total (PA/100mL)	201	-VE	+VE	831	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	9	Not Detected	Not Detected	18	Not Detected	Not Detected	0.0	
E. coli (PA/100mL)	201	-VE	-VE	831	-VE	-VE	0.0	
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				1	387.0	387.0		
pH	2	8	8	10	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	224.00	224.00	2	175.50	127.00 - 224.00	(500.00)	
Turbidity (NTU)	208	0.29	<0.04 - 1.90	853	0.18	<0.04 - 1.90	(3.00)	1.00
UV Absorbance (UV Abs/cm)	1	0.029	0.029	2	0.030	0.029 - 0.032		
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.063	0.063	3	0.059	0.054 - 0.063	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.011	0.010 - 0.012	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	9	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.16	0.15 - 0.17	9	0.16	0.10 - 0.28	1.00	
Chlorine total (mg/L)	208	1.83	1.28 - 2.21	853	1.84	0.35 - 2.42		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	9	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.200	
Fluoride (mg/L)	1	0.69	0.69	3	0.66	0.64 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	2	0.04	0.03 - 0.05	9	0.09	0.03 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	2	0.02	0.02	9	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0002	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0005	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	100.00	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	350.00	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	5.0	
Benzene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.040	
Bromoxynil (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	30.00	
Carbon Tetrachloride (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	2.0	
Chlorpyrifos (µg/L)	1	<0.10	<0.10	2	<0.10	<0.10	90.0	
Cyanazine (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100		
Dicamba (µg/L)	1	<1.00	<1.00	2	<1.00	<0.10 - <1.00	110.00	
Dichlorobenzene (1,4) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	5.0	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20		
Dimethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050	20.00	
Diquat (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	140.0 (1.6)	
Glyphosate (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	3	19.4	17.8 - 21.9	16	17.5	9.3 - 21.9	80.0	40.0
Malathion (µg/L)	1	<0.0250	<0.0250	2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	50.0	
Metribuzin (µg/L)	1	<0.100	<0.100	2	<0.100	<0.100	80.0	
Microcystin total (µg/L)	1	<0.15	<0.15	2	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	2	<0.4	<0.4	0.4	
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.0030	0.0022 - 0.0041	14	0.0018	<0.0009 - 0.0041	0.0400	0.0100
Omethoate (µg/L)	1	<0.050	<0.050	2	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	2	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	2	<0.50	<0.50	60.0 (30.0)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)	1	<2.0	<2.0	2	<2.0	<2.0		
Tetrachloroethylene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	10.0	
Toluene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	60.0 (24.0)	
Total PFAS (ng/L)	1	<12.0	<12.0	2	<12.0	<12.0		
Trichloroethylene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	2	<0.20	<0.20	5.0 (2.0)	
Trihalomethanes (µg/L)	5	23.0	19.6 - 26.9	29	15.7	7.7 - 26.9	100.0	50.0
Vinyl Chloride (µg/L)	5	<1.0	<1.0	29	<1.0	<1.0	2.0	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	3	113.0	101.0 - 123.0		
Aluminum (mg/L)	1	0.036	0.036	3	0.043	0.009 - 0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	2	0.09	0.07 - 0.11	9	0.10	0.07 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	9	0.03	<0.03		
Calcium (mg/L)	1	47.2	47.2	3	46.6	41.9 - 50.7		
Calcium Hardness (mg/L CaCO3)				1	105.0	105.0		
Chloride Dissolved (mg/L)	2	7.0	7.0	9	6.8	5.3 - 8.5	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	2	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	0.004	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0031	0.0031	3	0.0033	0.0031 - 0.0037		
Magnesium (mg/L)	1	13.8	13.8	3	13.9	12.5 - 15.5		
Molybdenum (mg/L)	1	0.0006	0.0006	3	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0008		
Phosphate Ortho (as P) (mg/L as P)	1	0.92	0.92	8	0.89	0.86 - 0.92		
Phosphorus (mg/L)	1	1.01	1.01	3	0.98	0.94 - 1.01		
Potassium (mg/L)	1	1.1	1.1	3	1.2	0.7 - 1.7		
Silicon (mg/L)	1	1.91	1.91	3	2.13	1.91 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	16.3	16.3	3	14.0	7.9 - 17.7	(200.0)	
Strontium (mg/L)	1	0.450	0.450	3	0.446	0.415 - 0.474	7.000	
Sulphate Dissolved (mg/L)	2	77.1	76.9 - 77.3	9	71.4	64.8 - 77.3	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	2	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	170.0	170.0	3	169.0	156.0 - 181.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

May 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)	3	<1.00	<1.00	16	<1.00	<1.00		
Bromodichloromethane (µg/L)	5	1.7	1.4 - 1.9	29	1.2	<0.5 - 1.9		
Bromoform (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Chlorobenzene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Chloroform (µg/L)	5	21.0	17.6 - 24.7	29	14.3	6.8 - 24.7		
Dibromoacetic acid (µg/L)	3	<1.00	<1.00	16	<1.00	<1.00		
Dibromochloromethane (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Dichloroacetic acid (µg/L)	3	10.4	9.3 - 12.2	16	8.8	4.6 - 12.2		
Dichlorobenzene (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	5	<1.0	<1.0	29	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	3	<1.00	<1.00	16	<1.00	<1.00		
Monochloroacetic acid (µg/L)	3	1.0	<1.00 - 1.1	16	1.0	<1.00 - 1.1		
Styrene (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Total Organic Carbon (mg/L)	2	1.7	1.6 - 1.8	9	1.4	1.2 - 1.8		
Total Volatile Organics (Non THM) (µg/L)	5	<1.0	<1.0	29	1.0	<1.0 - 1.2		
Trichloroacetic acid (µg/L)	3	8.6	8.5 - 8.7	16	8.7	4.7 - 10.6		
Trichlorobenzene (1,2,4) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Xylene (1,2) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Xylene (1,4) (µg/L)	5	<0.5	<0.5	29	<0.5	<0.5		
Xylenes total (µg/L)	5	<1.0	<1.0	29	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	5	0.8	<0.5 - 1.1	40	0.8	<0.5 - 1.6	(15.0)	10.0
pH	5	8	8	40	8	8		7 - 8
Turbidity (NTU)	5	0.67	0.04 - 1.57	40	0.26	0.04 - 2.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	5	<0.0005	<0.0005	40	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	5	0.0002	<0.0002 - 0.0003	40	0.0002	<0.0002 - 0.0003	0.0100	
Barium (mg/L)	5	0.064	0.058 - 0.076	40	0.062	<0.002 - 0.080	2.000	
Boron (mg/L)	5	0.010	0.009 - 0.010	40	0.027	0.009 - 0.095	5.000	
Cadmium (mg/L)	5	<0.00002	<0.00002	40	0.00002	<0.00002	0.00700	
Chlorine total (mg/L)	5	1.78	1.39 - 2.07	40	1.80	1.30 - 2.07		1.00 - 2.40
Chromium (mg/L)	5	<0.0002	<0.0002	40	<0.0002	<0.0002	0.0500	
Lead (mg/L)	5	<0.0002	<0.0002	40	0.0002	<0.0002 - 0.0009	0.0050	
Manganese (mg/L)	5	0.003	<0.002 - 0.005	40	0.003	<0.002 - 0.008	0.120 (0.020)	
Selenium (mg/L)	5	0.0002	0.0002 - 0.0003	40	0.0003	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	5	<0.0005	<0.0005	40	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	10.0	
Toluene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	5	23.6	16.0 - 31.2	40	15.2	7.6 - 31.2	100.0	50.0
Vinyl Chloride (µg/L)	5	<1.0	<1.0	40	<1.0	<1.0	2.0	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	5	1.7	1.3 - 2.6	40	1.2	<0.5 - 2.6		
Bromoform (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Chlorobenzene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Chloroform (µg/L)	5	21.6	14.7 - 28.4	40	13.9	6.1 - 28.4		
Dibromochloromethane (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	5	<1.0	<1.0	40	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5	(15.0)	
Styrene (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Total Volatile Organics (Non THM) (µg/L)	5	2.6	<1.0 - 4.0	40	1.3	<1.0 - 4.0		
Trichlorobenzene (1,2,4) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Xylene (1,2) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Xylene (1,4) (µg/L)	5	<0.5	<0.5	40	<0.5	<0.5		
Xylenes total (µg/L)	5	<1.0	<1.0	40	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	5	0.130	0.012 - 0.516	40	0.057	<0.005 - 0.516	2.900 (0.100)	
Beryllium (mg/L)	5	<0.0002	<0.0002	40	<0.0002	<0.0002		
Calcium (mg/L)	5	48.1	47.3 - 49.9	40	47.3	<0.1 - 55.2		
Cobalt (mg/L)	5	0.0002	<0.0002	40	0.0002	<0.0002 - 0.0003		
Copper (mg/L)	5	0.004	<0.002 - 0.013	40	0.003	<0.002 - 0.013	2.000 (1.000)	
Iron (mg/L)	5	0.085	<0.005 - 0.216	40	0.031	<0.005 - 0.223	(0.100)	
Lithium (mg/L)	5	0.0034	0.0029 - 0.0038	40	0.0035	0.0003 - 0.0045		
Magnesium (mg/L)	5	14.5	14.2 - 14.9	40	14.1	<0.1 - 16.5		
Molybdenum (mg/L)	5	0.0007	0.0006 - 0.0008	40	0.0007	0.0006 - 0.0010		
Nickel (mg/L)	5	<0.0005	<0.0005	40	0.0007	<0.0005 - 0.0044		
Phosphorus (mg/L)	5	1.04	0.91 - 1.29	40	0.96	0.84 - 1.29		
Potassium (mg/L)	5	0.9	0.8 - 1.1	40	1.7	<0.1 - 5.2		
Silicon (mg/L)	5	2.05	1.85 - 2.39	40	2.28	1.85 - 2.62		
Silver (mg/L)	5	0.00002	<0.00002	40	<0.00002	<0.00002		
Sodium (mg/L)	5	12.2	10.6 - 14.3	40	17.7	7.0 - 102.0	(200.0)	
Strontium (mg/L)	5	0.458	0.448 - 0.473	40	0.437	<0.002 - 0.481	7.000	
Thallium (mg/L)	5	<0.0002	<0.0002	40	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	5	179.8	177.0 - 186.0	40	175.9	<2 - 206.0		
Vanadium (mg/L)	5	<0.0005	<0.0005	40	0.0005	<0.0005		
Zinc (mg/L)	5	0.006	<0.005 - 0.008	40	0.005	<0.005 - 0.008	(5.000)	

2.2.8 Castledowns Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)								
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Nitrosodimethylamine, N- [NDMA] (µg/L)								
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	14.3	7.9 - 20.6	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	
Physical								
Colour (TCU)				2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				2	405.5	402.0 - 409.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.06	<0.04 - 0.07	21	0.07	<0.04 - 0.10	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.061	0.056 - 0.066	2.000	
Boron (mg/L)				2	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.10	0.09 - 0.12	1.00	
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.66	0.65 - 0.66	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0006	<0.0005 - 0.0006	0.0200	
Chlorine total (mg/L)	4	1.85	1.67 - 1.93	21	1.90	1.67 - 1.97		1.00 - 2.40

2.2.8 Castledowns Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	122.5	116.0 - 129.0		
Aluminum (mg/L)				2	0.046	0.016 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.09	0.08 - 0.09		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	49.8	47.3 - 52.3		
Calcium Hardness (mg/L CaCO3)				2	124.5	118.0 - 131.0		
Chloride Dissolved (mg/L)				2	7.2	6.8 - 7.7	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0035	0.0033 - 0.0036		
Magnesium (mg/L)				2	15.2	14.4 - 15.9		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.84 - 0.94	21	0.88	0.84 - 0.94		
Phosphorus (mg/L)				2	0.95	0.94 - 0.95		
Potassium (mg/L)				2	1.0	0.8 - 1.2		
Silicon (mg/L)				2	2.37	2.08 - 2.66		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.4	8.2 - 14.5	(200.0)	
Strontium (mg/L)				2	0.453	0.446 - 0.460	7.000	
Sulphate Dissolved (mg/L)				2	71.6	67.4 - 75.7	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	186.5	177.0 - 196.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.8 Castledowns Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)								
Bromodichloromethane (µg/L)				2	1.2	1.1 - 1.3		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	12.9	6.3 - 19.5		
Dibromoacetic acid (µg/L)								
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichloroacetic acid (µg/L)								
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)								
Monochloroacetic acid (µg/L)								
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.3	1.0 - 1.6		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichloroacetic acid (µg/L)								
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	3	0.6	<0.5 - 0.7	(15.0)	10.0
Conductivity (µS/cm)	1	379.0	379.0	3	397.7	379.0 - 417.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.27	0.16 - 0.45	20	0.15	0.06 - 0.45	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.064	0.064	3	0.064	0.062 - 0.066	2.000	
Boron (mg/L)	1	0.011	0.011	3	0.010	0.009 - 0.011	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.30	0.30	3	0.26	0.23 - 0.30	1.00	
Chlorine total (mg/L)	4	1.59	1.55 - 1.65	20	1.61	1.49 - 1.80		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.74	0.74	3	0.70	0.68 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.03	0.03	3	0.08	0.03 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	3	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	21.6	21.6	3	21.0	20.3 - 21.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.9 Clareview Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	112.0	112.0	3	122.3	112.0 - 129.0		
Aluminum (mg/L)	1	0.077	0.077	3	0.069	0.064 - 0.077	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.10	0.10	3	0.13	0.10 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	47.7	47.7	3	51.4	47.7 - 53.7		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	3	128.3	119.0 - 134.0		
Chloride Dissolved (mg/L)	1	6.7	6.7	3	6.6	5.6 - 7.3	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.031	0.031	3	0.018	0.010 - 0.031	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	3	0.0035	0.0035 - 0.0036		
Magnesium (mg/L)	1	14.0	14.0	3	15.3	14.0 - 16.0		
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.96	20	0.91	0.88 - 0.98		
Phosphorus (mg/L)	1	1.01	1.01	3	0.97	0.95 - 1.01		
Potassium (mg/L)	1	1.1	1.1	3	0.9	0.8 - 1.1		
Silicon (mg/L)	1	1.91	1.91	3	2.33	1.91 - 2.57		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	12.1	12.1	3	9.4	7.5 - 12.1	(200.0)	
Strontium (mg/L)	1	0.445	0.445	3	0.467	0.445 - 0.481	7.000	
Sulphate Dissolved (mg/L)	1	72.0	72.0	3	69.4	67.0 - 72.0	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	3	191.3	177.0 - 199.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	0.006	0.006	3	0.005	<0.005 - 0.006	(5.000)	

2.2.9 Clareview Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.6	1.6	3	1.2	1.0 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	19.6	19.6	3	19.5	19.1 - 19.9		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.6	1.6	3	1.4	1.3 - 1.6		
Total Volatile Organics (Non THM) (µg/L)	1	3.8	3.8	3	1.9	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	3	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	398.0	398.0	3	399.0	398.0 - 400.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.05 - 0.16	21	0.09	0.05 - 0.16	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.055	0.055	3	0.060	0.055 - 0.064	2.000	
Boron (mg/L)	1	0.017	0.017	3	0.012	0.009 - 0.017	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.10	0.10	4	0.11	0.09 - 0.12	1.00	
Chlorine total (mg/L)	4	1.07	0.98 - 1.14	21	1.29	0.98 - 1.90		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)								
Fluoride (mg/L)	1	0.66	0.66	3	0.68	0.66 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.11	0.11	4	0.10	0.10 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	4	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)								
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				2	19.85	17.80 - 21.90	80.00	40.00
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	50.0	
Microcystin total (µg/L)								
Nitrilotriacetic acid (NTA) (mg/L)								
Nitrosodimethylamine, N- [NDMA] (µg/L)				1	0.00357	0.00357	0.04000	0.01000
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	10.5	10.5	4	16.4	10.5 - 19.1	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	2.0	

2.2.10 Discovery Park Reservoir

May 2026

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

2.2.10 Discovery Park Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	105.0	105.0	3	119.0	105.0 - 128.0		
Aluminum (mg/L)	1	0.025	0.025	3	0.061	0.025 - 0.080	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.14	0.14	3	0.15	0.14 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	44.9	44.9	3	50.0	44.9 - 52.7		
Calcium Hardness (mg/L CaCO3)	1	112.0	112.0	3	125.0	112.0 - 132.0		
Chloride Dissolved (mg/L)	1	8.9	8.9	4	6.8	5.8 - 8.9	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	3	0.0033	0.0032 - 0.0035		
Magnesium (mg/L)	1	13.2	13.2	3	14.9	13.2 - 15.8		
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0005	0.0005	3	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.90	21	0.87	0.84 - 0.90		
Phosphorus (mg/L)	1	0.99	0.99	3	0.95	0.92 - 0.99		
Potassium (mg/L)	1	1.8	1.8	3	1.2	0.8 - 1.8		
Silicon (mg/L)	1	2.06	2.06	3	2.34	2.06 - 2.52		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	18.7	18.7	3	11.4	7.4 - 18.7	(200.0)	
Strontium (mg/L)	1	0.426	0.426	3	0.462	0.426 - 0.495	7.000	
Sulphate Dissolved (mg/L)	1	79.9	79.9	4	69.5	64.8 - 79.9	(500.0)	
Sulphide (mg/L)								
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	166.0	166.0	3	186.0	166.0 - 197.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.10 Discovery Park Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)				2	<1.00	<1.00		
Bromodichloromethane (µg/L)	1	1.3	1.3	4	1.1	0.9 - 1.3		
Bromoform (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Chloroform (µg/L)	1	8.7	8.7	4	15.0	8.7 - 17.8		
Dibromoacetic acid (µg/L)				2	<1.00	<1.00		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroacetic acid (µg/L)				2	10.55	9.10 - 12.00		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)				2	<1.00	<1.00		
Monochloroacetic acid (µg/L)				2	<1.00	<1.00		
Styrene (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.1	1.1	3	1.3	1.1 - 1.4		
Total Volatile Organics (Non THM) (µg/L)	1	3.6	3.6	4	1.7	<1.0 - 3.6		
Trichloroacetic acid (µg/L)				2	9.27	8.65 - 9.89		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	4	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	4	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.6	0.6	3	0.7	0.6 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	405.0	405.0	3	409.3	405.0 - 413.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.05 - 0.16	21	0.09	0.05 - 0.16	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	0.0002	0.0100	
Barium (mg/L)	1	0.064	0.064	3	0.066	0.064 - 0.069	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.15	0.15	3	0.13	0.11 - 0.15	1.00	
Chlorine total (mg/L)	4	1.96	1.82 - 2.11	21	1.94	1.80 - 2.11		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	3	0.70	0.68 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	0.0054	<0.0050 - 0.0061	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.02	0.02	3	0.07	0.02 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	3	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	20.8	20.8	3	18.0	15.8 - 20.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.11 Kaskitayo Reservoir

May 2026

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	3	125.3	116.0 - 130.0		
Aluminum (mg/L)	1	0.046	0.046	3	0.074	0.046 - 0.093	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.07	0.07	3	0.09	0.07 - 0.11		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	50.2	50.2	3	52.7	50.2 - 54.4		
Calcium Hardness (mg/L CaCO3)	1	125.0	125.0	3	131.3	125.0 - 136.0		
Chloride Dissolved (mg/L)	1	7.3	7.3	3	6.6	5.7 - 7.3	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	3	0.0034	0.0032 - 0.0036		
Magnesium (mg/L)	1	14.5	14.5	3	15.6	14.5 - 16.6		
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.84 - 0.96	21	0.90	0.84 - 0.96		
Phosphorus (mg/L)	1	1.01	1.01	3	0.98	0.96 - 1.01		
Potassium (mg/L)	1	0.9	0.9	3	0.8	0.8 - 0.9		
Silicon (mg/L)	1	1.89	1.89	3	2.37	1.89 - 2.68		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	15.2	15.2	3	10.4	7.5 - 15.2	(200.0)	
Strontium (mg/L)	1	0.446	0.446	3	0.463	0.446 - 0.475	7.000	
Sulphate Dissolved (mg/L)	1	77.4	77.4	3	72.0	67.3 - 77.4	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	185.0	185.0	3	196.0	185.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.11 Kaskitayo Reservoir

May 2026

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	3	1.1	1.0 - 1.2		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	19.0	19.0	3	16.6	14.5 - 19.0		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.6	1.6	3	1.6	1.6		
Total Volatile Organics (Non THM) (µg/L)	1	3.8	3.8	3	2.1	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.12 Londonderry Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.7	0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				2	406.0	403.0 - 409.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.18	0.10 - 0.37	21	0.11	0.06 - 0.37	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	<0.0002	<0.0002	0.0100	
Barium (mg/L)				2	0.061	0.056 - 0.065	2.000	
Boron (mg/L)				2	0.014	0.010 - 0.018	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.21	0.21 - 0.22	1.00	
Chlorine total (mg/L)	4	1.73	1.64 - 1.81	21	1.86	1.64 - 1.95		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.68	0.67 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	16.9	10.5 - 23.2	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.12 Londonderry Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	121.0	111.0 - 131.0		
Aluminum (mg/L)				2	0.044	0.019 - 0.069	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.11	0.09 - 0.12		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	49.8	46.5 - 53.0		
Calcium Hardness (mg/L CaCO3)				2	124.0	116.0 - 132.0		
Chloride Dissolved (mg/L)				2	7.9	7.2 - 8.7	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0037	0.0036 - 0.0038		
Magnesium (mg/L)				2	15.2	14.4 - 15.9		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.94	21	0.90	0.88 - 0.94		
Phosphorus (mg/L)				2	0.99	0.98 - 0.99		
Potassium (mg/L)				2	1.1	0.8 - 1.4		
Silicon (mg/L)				2	2.43	2.13 - 2.73		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.3	8.5 - 14.1	(200.0)	
Strontium (mg/L)				2	0.448	0.448	7.000	
Sulphate Dissolved (mg/L)				2	72.7	67.8 - 77.6	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	186.5	175.0 - 198.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.12 Londonderry Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.5	1.4 - 1.6		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	15.2	8.6 - 21.7		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.1 - 1.6		
Total Volatile Organics (Non THM) (µg/L)				2	1.1	<1.0 - 1.2		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.13 Millwoods Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				2	407.5	403.0 - 412.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.05 - 0.09	21	0.09	0.05 - 0.21	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.062	0.057 - 0.067	2.000	
Boron (mg/L)				2	0.016	0.010 - 0.021	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.12	0.09 - 0.15	1.00	
Chlorine total (mg/L)	4	1.95	1.80 - 2.10	21	1.96	1.80 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.69	0.67 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	13.2	7.1 - 19.3	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.13 Millwoods Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	121.0	114.0 - 128.0		
Aluminum (mg/L)				2	0.051	0.024 - 0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.09	0.08 - 0.09		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	50.5	47.2 - 53.7		
Calcium Hardness (mg/L CaCO3)				2	126.0	118.0 - 134.0		
Chloride Dissolved (mg/L)				2	7.7	7.7 - 7.8	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0034 - 0.0038		
Magnesium (mg/L)				2	15.1	14.1 - 16.0		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.94	21	0.89	0.86 - 0.94		
Phosphorus (mg/L)				2	0.97	0.97		
Potassium (mg/L)				2	1.0	0.8 - 1.2		
Silicon (mg/L)				2	2.41	2.11 - 2.71		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.6	8.7 - 14.5	(200.0)	
Strontium (mg/L)				2	0.455	0.452 - 0.457	7.000	
Sulphate Dissolved (mg/L)				2	71.8	67.8 - 75.8	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	188.0	176.0 - 200.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.13 Millwoods Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.2		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	12.0	5.6 - 18.3		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.0 - 1.7		
Total Volatile Organics (Non THM) (µg/L)				2	1.0	<1.0 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	3	0.6	<0.5 - 0.7	(15.0)	10.0
Conductivity (µS/cm)	1	394.0	394.0	3	403.3	394.0 - 418.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.14	21	0.11	0.06 - 0.44	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.061	0.061	3	0.065	0.061 - 0.068	2.000	
Boron (mg/L)	1	0.011	0.011	3	0.010	0.009 - 0.011	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.14	0.14	3	0.12	0.11 - 0.14	1.00	
Chlorine total (mg/L)	4	1.66	1.56 - 1.70	21	1.71	1.56 - 1.82		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.72	0.72	3	0.68	0.65 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.03	0.03	3	0.08	0.03 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	3	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	20.0	20.0	3	18.3	16.2 - 20.0	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.14 North Jasper Place Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	114.0	114.0	3	124.3	114.0 - 131.0		
Aluminum (mg/L)	1	0.037	0.037	3	0.112	0.037 - 0.221	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.10	0.10	3	0.12	0.10 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	47.0	47.0	3	51.7	47.0 - 55.2		
Calcium Hardness (mg/L CaCO3)	1	117.0	117.0	3	129.0	117.0 - 138.0		
Chloride Dissolved (mg/L)	1	7.3	7.3	3	6.5	5.8 - 7.3	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.005	0.005	3	0.007	<0.005 - 0.011	(0.100)	
Lithium (mg/L)	1	0.0030	0.0030	3	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)	1	14.0	14.0	3	15.4	14.0 - 16.3		
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.82 - 0.96	21	0.90	0.82 - 1.06		
Phosphorus (mg/L)	1	0.92	0.92	3	0.96	0.92 - 1.04		
Potassium (mg/L)	1	1.1	1.1	3	0.9	0.8 - 1.1		
Silicon (mg/L)	1	1.88	1.88	3	2.33	1.88 - 2.56		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	15.9	15.9	3	10.5	7.4 - 15.9	(200.0)	
Strontium (mg/L)	1	0.439	0.439	3	0.467	0.439 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	76.6	76.6	3	71.0	66.2 - 76.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	175.0	175.0	3	192.7	175.0 - 205.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.14 North Jasper Place Reservoir

May 2026

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	3	1.0	0.9 - 1.1		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	18.3	18.3	3	16.9	15.1 - 18.3		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.5	1.5	3	1.4	1.3 - 1.5		
Total Volatile Organics (Non THM) (µg/L)	1	3.8	3.8	3	1.9	<1.0 - 3.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.15 Ormsby Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.9	<0.5 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				2	404.5	403.0 - 406.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.16	0.05 - 0.48	21	0.10	0.05 - 0.48	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.062	0.058 - 0.066	2.000	
Boron (mg/L)				2	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.10	0.09 - 0.11	1.00	
Chlorine total (mg/L)	4	1.94	1.74 - 2.21	21	1.94	1.74 - 2.21		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.70	0.68 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	13.3	7.4 - 19.1	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.15 Ormsby Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	121.5	114.0 - 129.0		
Aluminum (mg/L)				2	0.051	0.020 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.09	0.08 - 0.10		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	50.1	47.4 - 52.8		
Calcium Hardness (mg/L CaCO3)				2	125.0	118.0 - 132.0		
Chloride Dissolved (mg/L)				2	7.3	6.8 - 7.7	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0034 - 0.0038		
Magnesium (mg/L)				2	15.2	14.4 - 15.9		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.88 - 1.00	21	0.90	0.86 - 1.00		
Phosphorus (mg/L)				2	0.96	0.96		
Potassium (mg/L)				2	1.0	0.8 - 1.2		
Silicon (mg/L)				2	2.42	2.06 - 2.77		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.5	8.2 - 14.7	(200.0)	
Strontium (mg/L)				2	0.454	0.452 - 0.455	7.000	
Sulphate Dissolved (mg/L)				2	71.7	67.5 - 75.9	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	187.5	178.0 - 197.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.15 Ormsby Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	12.1	6.0 - 18.1		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.3	0.9 - 1.7		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.16 Papaschase Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)				2	403.0	399.0 - 407.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.16	0.13 - 0.18	21	0.12	0.08 - 0.24	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	<0.0002	<0.0002	0.0100	
Barium (mg/L)				2	0.059	0.055 - 0.063	2.000	
Boron (mg/L)				2	0.012	0.010 - 0.014	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.22	0.21 - 0.23	1.00	
Chlorine total (mg/L)	4	1.66	1.52 - 1.75	21	1.79	1.52 - 1.98		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.71	0.68 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	16.1	10.4 - 21.8	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.16 Papaschase Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	121.5	115.0 - 128.0		
Aluminum (mg/L)				2	0.044	0.023 - 0.065	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.12	0.10 - 0.13		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	50.3	47.5 - 53.0		
Calcium Hardness (mg/L CaCO3)				2	125.5	119.0 - 132.0		
Chloride Dissolved (mg/L)				2	7.1	6.0 - 8.2	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	0.007	0.006 - 0.008	(0.100)	
Lithium (mg/L)				2	0.0037	0.0036 - 0.0037		
Magnesium (mg/L)				2	15.3	14.7 - 15.8		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.92	21	0.89	0.88 - 0.92		
Phosphorus (mg/L)				2	0.96	0.95 - 0.97		
Potassium (mg/L)				2	1.1	0.8 - 1.3		
Silicon (mg/L)				2	2.40	2.12 - 2.68		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	10.6	7.6 - 13.6	(200.0)	
Strontium (mg/L)				2	0.457	0.455 - 0.458	7.000	
Sulphate Dissolved (mg/L)				2	72.2	67.2 - 77.1	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	188.0	179.0 - 197.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.16 Papaschase Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.5	1.2 - 1.7		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	14.5	8.4 - 20.6		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.2 - 1.5		
Total Volatile Organics (Non THM) (µg/L)				2	1.1	<1.0 - 1.1		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.3	1.3	3	1.1	0.7 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	392.0	392.0	3	406.3	392.0 - 420.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.09	0.07 - 0.10	21	0.09	0.05 - 0.17	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.065	0.065	3	0.066	0.065 - 0.068	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.25	0.25	3	0.23	0.16 - 0.29	1.00	
Chlorine total (mg/L)	4	1.84	1.76 - 1.90	21	1.90	1.76 - 1.97		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.72	0.72	3	0.74	0.72 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.02	0.02	3	0.07	0.02 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	3	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	22.8	22.8	3	19.6	16.4 - 22.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.17 Papaschase Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	3	124.7	115.0 - 130.0		
Aluminum (mg/L)	1	0.063	0.063	3	0.069	0.063 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.09	0.09	3	0.10	0.08 - 0.13		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	48.7	48.7	3	51.8	48.7 - 54.6		
Calcium Hardness (mg/L CaCO3)	1	122.0	122.0	3	129.3	122.0 - 136.0		
Chloride Dissolved (mg/L)	1	6.6	6.6	3	6.9	5.5 - 8.6	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0034	0.0034	3	0.0035	0.0034 - 0.0036		
Magnesium (mg/L)	1	14.5	14.5	3	15.6	14.5 - 16.4		
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.86 - 0.92	21	0.89	0.80 - 0.92		
Phosphorus (mg/L)	1	0.96	0.96	3	0.96	0.95 - 0.97		
Potassium (mg/L)	1	0.9	0.9	3	0.8	0.8 - 0.9		
Silicon (mg/L)	1	1.92	1.92	3	2.36	1.92 - 2.58		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	12.7	12.7	3	10.0	7.4 - 12.7	(200.0)	
Strontium (mg/L)	1	0.446	0.446	3	0.468	0.446 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	73.1	73.1	3	70.7	67.3 - 73.1	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	181.0	181.0	3	193.3	181.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.17 Papaschase Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.7	1.7	3	1.3	1.0 - 1.7		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	20.6	20.6	3	18.0	14.9 - 20.6		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.6	1.6	3	1.6	1.5 - 1.6		
Total Volatile Organics (Non THM) (µg/L)	1	3.5	3.5	3	1.8	<1.0 - 3.5		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.18 Rosslyn Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				2	403.5	401.0 - 406.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.21	0.10 - 0.45	21	0.11	0.06 - 0.45	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.062	0.057 - 0.066	2.000	
Boron (mg/L)				2	0.015	0.010 - 0.019	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.19	0.18 - 0.19	1.00	
Chlorine total (mg/L)	4	1.74	1.66 - 1.79	21	1.82	1.66 - 1.89		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.67	0.67	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	15.6	11.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.18 Rosslyn Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	121.5	114.0 - 129.0		
Aluminum (mg/L)				2	0.050	0.028 - 0.072	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.10	0.08 - 0.12		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	50.5	47.5 - 53.5		
Calcium Hardness (mg/L CaCO3)				2	126.5	119.0 - 134.0		
Chloride Dissolved (mg/L)				2	7.8	7.1 - 8.5	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	0.006	<0.005 - 0.006	(0.100)	
Lithium (mg/L)				2	0.0036	0.0035 - 0.0037		
Magnesium (mg/L)				2	15.2	14.4 - 15.9		
Molybdenum (mg/L)				2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.86 - 0.98	21	0.90	0.86 - 0.98		
Phosphorus (mg/L)				2	0.97	0.97		
Potassium (mg/L)				2	1.1	0.8 - 1.4		
Silicon (mg/L)				2	2.43	2.14 - 2.71		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	11.6	8.4 - 14.7	(200.0)	
Strontium (mg/L)				2	0.454	0.448 - 0.459	7.000	
Sulphate Dissolved (mg/L)				2	72.8	67.7 - 77.9	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	188.5	178.0 - 199.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.18 Rosslyn Reservoir 1

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.3	1.0 - 1.5		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	14.1	9.5 - 18.7		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.1 - 1.6		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	3	0.6	<0.5 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	382.0	382.0	3	397.0	382.0 - 416.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.16	0.10 - 0.26	21	0.10	0.06 - 0.26	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.063	0.063	3	0.065	0.063 - 0.067	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.28	0.28	3	0.23	0.20 - 0.28	1.00	
Chlorine total (mg/L)	4	1.60	1.56 - 1.68	21	1.70	1.56 - 1.82		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.76	0.76	3	0.71	0.68 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.02	0.02	3	0.07	0.02 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	3	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	22.3	22.3	3	20.4	18.8 - 22.3	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.19 Rosslyn Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	110.0	110.0	3	121.3	110.0 - 127.0		
Aluminum (mg/L)	1	0.070	0.070	3	0.072	0.070 - 0.073	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.10	0.10	3	0.13	0.10 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	47.1	47.1	3	51.3	47.1 - 54.6		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	3	128.0	118.0 - 136.0		
Chloride Dissolved (mg/L)	1	6.6	6.6	3	6.4	5.5 - 6.9	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.007	0.007	3	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	3	0.0035	0.0033 - 0.0037		
Magnesium (mg/L)	1	14.1	14.1	3	15.3	14.1 - 16.0		
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.94	21	0.90	0.86 - 0.94		
Phosphorus (mg/L)	1	0.98	0.98	3	0.97	0.95 - 0.99		
Potassium (mg/L)	1	1.0	1.0	3	0.9	0.8 - 1.0		
Silicon (mg/L)	1	1.86	1.86	3	2.32	1.86 - 2.58		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	12.5	12.5	3	9.3	7.2 - 12.5	(200.0)	
Strontium (mg/L)	1	0.445	0.445	3	0.471	0.445 - 0.495	7.000	
Sulphate Dissolved (mg/L)	1	72.8	72.8	3	69.7	66.3 - 72.8	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	176.0	176.0	3	191.3	176.0 - 202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.19 Rosslyn Reservoir 2

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.9	1.9	3	1.3	1.0 - 1.9		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	20.3	20.3	3	18.9	17.4 - 20.3		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.6	1.6	3	1.4	1.3 - 1.6		
Total Volatile Organics (Non THM) (µg/L)	1	3.2	3.2	3	1.8	<1.0 - 3.2		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	3	0.8	<0.5 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	401.0	401.0	3	404.3	401.0 - 407.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.06	0.05 - 0.09	21	0.09	0.05 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	0.0002	0.0002	3	0.0002	0.0002	0.0100	
Barium (mg/L)	1	0.062	0.062	3	0.065	0.062 - 0.068	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.14	0.14	3	0.12	0.11 - 0.14	1.00	
Chlorine total (mg/L)	4	1.72	1.61 - 1.77	21	1.80	1.61 - 1.90		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.70	0.70	3	0.71	0.70 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	3	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.03	0.03	3	0.07	0.03 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	3	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0006	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	20.4	20.4	3	18.9	18.1 - 20.4	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	

2.2.20 Thorncliff Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	3	124.3	115.0 - 129.0		
Aluminum (mg/L)	1	0.048	0.048	3	0.074	0.048 - 0.089	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.10	0.10	3	0.11	0.10 - 0.12		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	3	<0.03	<0.03		
Calcium (mg/L)	1	48.6	48.6	3	51.9	48.6 - 54.2		
Calcium Hardness (mg/L CaCO3)	1	121.0	121.0	3	129.3	121.0 - 135.0		
Chloride Dissolved (mg/L)	1	7.2	7.2	3	6.5	5.7 - 7.2	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0031	0.0031	3	0.0034	0.0031 - 0.0035		
Magnesium (mg/L)	1	14.2	14.2	3	15.4	14.2 - 16.2		
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	21	0.88	0.86 - 0.94		
Phosphorus (mg/L)	1	1.00	1.00	3	0.96	0.94 - 1.00		
Potassium (mg/L)	1	1.0	1.0	3	0.9	0.8 - 1.0		
Silicon (mg/L)	1	1.91	1.91	3	2.33	1.91 - 2.54		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	15.6	15.6	3	10.4	7.4 - 15.6	(200.0)	
Strontium (mg/L)	1	0.439	0.439	3	0.467	0.439 - 0.482	7.000	
Sulphate Dissolved (mg/L)	1	76.4	76.4	3	70.8	66.4 - 76.4	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	180.0	180.0	3	193.0	180.0 - 202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	

2.2.20 Thorncliff Reservoir

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.5	1.5	3	1.1	0.7 - 1.5		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	18.4	18.4	3	17.4	16.7 - 18.4		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.5	1.5	3	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)	1	4.0	4.0	3	2.0	<1.0 - 4.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	34	216.9	23.1 - 1413.6	168	463.3	22.8 - 6510.0
Cryptosporidium (oocysts/100L)	2	9.80	<9.6 - 10.00	10	83.3	<1.0 - 580.0
E. coli (MPN/100 mL)	34	16.8	1.0 - 77.1	168	34.3	1.0 - 914.0
Giardia (cysts/100L)	2	88.50	67.00 - 110.00	10	116.4	<2.2 - 520.0
Physical						
Colour (TCU)	61	7.7	5.9 - 12.0	299	8.4	3.8 - 53.8
Conductivity (µS/cm)	8	345.1	339.0 - 355.0	42	362.5	296.0 - 415.0
pH	2	8	8	10	8	8
Total Dissolved Solids (mg/L)	2	192.50	192.00 - 193.00	10	202.80	176.00 - 225.00
Total Suspended Solids (mg/L)	2	23.6	20.3 - 26.8	10	9.4	<1.0 - 26.8
Turbidity (NTU)	61	15.13	3.64 - 121.00	299	10.64	0.68 - 198.00
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005 - 0.0007
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005
Arsenic (mg/L)	2	0.0005	0.0005	10	0.0004	<0.0002 - 0.0007
Arsenic dissolved (mg/L)	2	0.0002	<0.0002	10	0.0002	<0.0002 - 0.0003
Barium (mg/L)	2	0.073	0.071 - 0.075	10	0.068	0.062 - 0.075
Barium dissolved (mg/L)	2	0.063	0.062 - 0.064	10	0.063	0.056 - 0.067
Boron (mg/L)	2	0.010	0.010	10	0.010	0.009 - 0.013
Boron dissolved (mg/L)	2	0.010	0.009 - 0.010	10	0.010	0.009 - 0.012
Bromate Dissolved (mg/L)	10	<0.005	<0.005	46	0.005	<0.005
Cadmium (mg/L)	2	<0.00002	<0.00002	10	0.00002	<0.00002 - 0.00002
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	10	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	10	<0.01	<0.01	46	0.01	<0.01
Chlorine total (mg/L)	2	<0.03	<0.03	10	0.03	<0.03
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	46	0.005	<0.005
Chromium (mg/L)	2	0.0012	0.0011 - 0.0012	10	0.0008	<0.0002 - 0.0016
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Cyanide (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Fluoride (mg/L)	8	0.11	0.10 - 0.12	42	0.12	0.05 - 0.14
Lead (mg/L)	2	0.0005	0.0004 - 0.0005	10	0.0003	<0.0002 - 0.0007
Lead dissolved (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Manganese (mg/L)	2	0.021	0.020 - 0.022	10	0.013	<0.002 - 0.041
Manganese dissolved (mg/L)	1	<0.002	<0.002	5	0.003	<0.002 - 0.007
Mercury (µg/L)	4	0.005	<0.0050 - 0.006	12	0.005	<0.0050 - 0.006
Mercury dissolved (µg/L)	2	<0.0050	<0.0050	10	<0.0050	<0.0050
Nitrate (as N) dissolved (mg/L)	10	0.02	<0.01 - 0.09	46	0.08	<0.01 - 0.28
Nitrite (as N) dissolved (mg/L)	10	0.01	<0.01 - 0.02	46	0.01	<0.01 - 0.02
Selenium (mg/L)	2	0.0002	0.0002	10	0.0002	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	0.0002	0.0002	10	0.0003	<0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	0.0006	10	0.0006	0.0005 - 0.0006
Uranium dissolved (mg/L)	2	0.0006	0.0006	10	0.0005	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)	2	<0.050	<0.050	4	<0.050	<0.050
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	2	<0.050	<0.050	4	<0.050	<0.050
Atrazine + metabolites (µg/L)	2	<0.10	<0.10	4	<0.10	<0.10
Benzene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)	2	<0.005	<0.005	4	<0.005	<0.005
Bromoxynil (µg/L)	2	<0.050	<0.050	4	<0.050	<0.050
Carbon Tetrachloride (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)	2	<0.10	<0.10	4	<0.10	<0.10
Cyanazine (µg/L)	2	<0.100	<0.100	4	<0.100	<0.100
Dicamba (µg/L)	2	<1.00	<1.00	4	<1.00	<0.10 - <1.00
Dichlorobenzene (1,4) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)	2	<0.20	<0.20	4	<0.20	<0.20
Dimethoate (µg/L)	2	<0.050	<0.050	4	<0.050	<0.050
Diquat (µg/L)	2	<1.0	<1.0	4	<1.0	<1.0
Ethylbenzene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Glyphosate (µg/L)	2	<1.00	<1.00	4	<1.00	<1.00
Malathion (µg/L)	2	<0.0250	<0.0250	4	<0.0250	<0.0250
Manganese dissolved (mg/L)	1	<0.002	<0.002	5	0.003	<0.002 - 0.009
Methylene Chloride (Dichloromethane) (µg/L)	61	<0.5	<0.5	299	<1.00	<0.5 - <1.00
Metribuzin (µg/L)	2	<0.100	<0.100	4	<0.100	<0.100
Microcystin total (µg/L)	2	<0.15	<0.15	4	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)	2	<0.4	<0.4	4	<0.4	<0.4
Omethoate (µg/L)	2	<0.050	<0.050	4	<0.050	<0.050
Omethoate (as dimethoate) (µg/L)	2	<0.16	<0.16	4	<0.16	<0.16
Pentachlorophenol (µg/L)	2	<0.50	<0.50	4	<0.50	<0.50
Tetrachloroethylene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Toluene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)	2	<0.20	<0.20	4	<0.20	<0.20
Trihalomethanes (µg/L)	61	<1.0	<1.0	299	<1.0	<1.0
Vinyl Chloride (µg/L)	61	<1.0	<1.0	299	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Gross Alpha (Bq/L)				2	<0.11	<0.11
Gross Beta (Bq/L)				2	0.06	<0.05 - 0.06
Secondary Organics						
Bromodichloromethane (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Bromoform (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Chloroform (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichlorobenzene (1,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	61	<1.0	<1.0	299	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Styrene (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	2.5	2.4 - 2.6	44	2.3	1.4 - 4.8
Total Volatile Organics (Non THM) (µg/L)	61	2.9	<1.0 - 4.1	295	1.4	<1.0 - 4.1
Trichlorobenzene (1,2,4) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	61	<0.5	<0.5	299	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	61	<0.5	<0.5	299	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	61	<0.5	<0.5	299	<0.5	<0.40 - <0.5
Xylenes total (µg/L)	61	<1.0	<1.0	299	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)				6	<3	<3
Alkalinity total (mg CaCO3/L)	8	123.1	120.0 - 128.0	42	124.8	104.0 - 142.0
Aluminum (mg/L)	2	0.912	0.875 - 0.949	10	0.442	0.052 - 1.090
Ammonia as NH3 (mg/L)	29	<0.05	<0.05	153	0.06	<0.05 - 0.30
Beryllium (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Bromide Dissolved (mg/L)	10	0.03	<0.03	46	0.03	<0.03
Calcium (mg/L)	2	48.9	48.2 - 49.6	10	49.0	41.3 - 53.9
Calcium Hardness (mg/L CaCO3)	8	111.5	108.0 - 116.0	42	117.6	98.0 - 138.0
Chloride Dissolved (mg/L)	10	1.0	0.6 - 1.7	46	2.0	0.5 - 12.2
Cobalt (mg/L)	2	0.0003	0.0003	10	0.0003	<0.0002 - 0.0006
Copper (mg/L)	2	0.003	0.002 - 0.003	10	0.007	<0.002 - 0.046
Iron (mg/L)	2	0.772	0.759 - 0.784	10	0.418	0.042 - 1.230
Lithium (mg/L)	2	0.0041	0.0041	10	0.0038	0.0034 - 0.0043
Magnesium (mg/L)	2	15.3	15.0 - 15.5	10	15.1	12.8 - 16.8
Molybdenum (mg/L)	2	0.0007	0.0007	10	0.0007	0.0006 - 0.0009
Nickel (mg/L)	2	0.0014	0.0014	10	0.0011	<0.0005 - 0.0023
Nitrogen Total Kjeldahl (TKN) (mg/L N)	10	0.3	0.1 - 0.8	115	0.3	<0.1 - 0.9
Phosphate Ortho (as P) (mg/L as P)	2	<0.02	<0.02	10	0.02	<0.02 - 0.03
Phosphorus (mg/L)	2	0.05	0.05	10	0.04	<0.02 - 0.08
Potassium (mg/L)	2	1.2	1.2	10	1.2	0.7 - 2.4
Silicon (mg/L)	2	3.89	3.77 - 4.00	10	3.05	2.17 - 4.74
Silver (mg/L)	2	<0.00002	<0.00002	10	0.00003	<0.00002 - 0.00016
Sodium (mg/L)	2	4.7	4.5 - 4.8	10	4.6	3.3 - 6.6
Strontium (mg/L)	2	0.468	0.467 - 0.469	10	0.461	0.403 - 0.499
Sulphate Dissolved (mg/L)	10	55.3	54.1 - 56.9	46	58.0	46.0 - 69.3
Sulphide (mg/L)	2	0.0038	0.0031 - 0.0044	4	0.0026	<0.0015 - 0.0044
Thallium (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Total Hardness (mg/L CaCO3)	8	172.1	169.0 - 178.0	42	176.0	141.0 - 204.0
Vanadium (mg/L)	2	0.0020	0.0020	10	0.0012	<0.0005 - 0.0026
Zinc (mg/L)	2	<0.005	<0.005	10	0.005	<0.005 - 0.006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

May 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.035	<0.005 - 0.064	10	0.020	<0.005 - 0.086
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Calcium dissolved (mg/L)	2	49.2	48.4 - 50.0	10	48.7	38.8 - 53.7
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Copper dissolved (mg/L)	2	<0.002	<0.002	10	0.002	<0.002 - 0.003
Iron dissolved (mg/L)	2	0.007	<0.005 - 0.009	10	0.017	<0.005 - 0.071
Lithium dissolved (mg/L)	2	0.0035	0.0035	10	0.0036	0.0034 - 0.0039
Magnesium dissolved (mg/L)	2	14.8	14.6 - 14.9	10	14.7	12.1 - 16.1
Molybdenum dissolved (mg/L)	2	0.0007	0.0006 - 0.0007	10	0.0007	0.0006 - 0.0008
Nickel dissolved (mg/L)	2	<0.0005	<0.0005	10	0.0006	<0.0005 - 0.0009
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	10	0.03	<0.02 - 0.05
Potassium dissolved (mg/L)	2	0.9	0.9	10	1.1	0.7 - 2.1
Silicon dissolved (mg/L)	2	1.73	1.65 - 1.81	10	2.07	1.65 - 2.42
Silver dissolved (mg/L)	2	<0.00002	<0.00002	10	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	4.6	4.4 - 4.7	10	4.5	3.3 - 6.7
Strontium dissolved (mg/L)	2	0.462	0.461 - 0.462	10	0.453	0.388 - 0.485
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005 - 0.0006
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005