EDMONTON WATERWORKS
MONTHLY REPORT

June 2025

PROVIDING MORE

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1.1.1 Operations – Rossdale and E.L. Smith Plants

Plant Bypasses

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

In June, Rossdale Plant had 1 planned bypass and 1 planned shutdown.

Date	Type	Bypass Description
June 5	Planned	2.5-hour bypass for electrical switching
June 11	Planned	7.6-hour shutdown for maintenance work

In June, E.L. Smith Plant had 1 planned shutdown and 1 unplanned shutdown.

Date	Type	Bypass Description
June 19	Planned	12.46-hour shutdown due to capital and maintenance work
June 27	Unplanned	0.5-hour shutdown due to Power Failure

Clarifier Blowdown Volume

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

Dechlorination Highlights

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

Chemical Dosing Highlights

In June, 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 – June 2025

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20250615-852217-v1	This event was the first and second identified leak where about 52 m^3 of potable chlorinated water at +/-1.5ppm was released from a water main 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.	June 15, 2025	441879
ENV-20250616-790977-v1	This event is the third and fourth leak was discovered from the same water main where about 52 m^3 total 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.	June 16, 2025	441926

1.1.3 Alberta Environment Operator Certifications

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

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

1.1.3 Alberta Environment Operator Certifications

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

E.L. SMITH TREATMENT PLANT (LEVEL IV)	
Director, Edmonton Water Treatment Plants	
Senior Manager, Operations	**WT II**
Manager, Operations	
Title	Alberta Environment Certification Level
Operations Engineer	
Operations Engineer	WWC I
Day Foreman	WT IV
HEI Foreman	WT IV
Training Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT IV
Operator Foreman	WT III
Operator Foreman	WT IV
Operator Foreman	WT IV
Lead Operator	WT IV
Lead Operator	WT IV
Lead Operator	WT II
Lead Operator	WT III
Lead Operator	WT III
Lead Operator	WT II, WD II, WWT I, WWC I
Water Operator	WT III
Water Operator	WT III, WWT II,
Water Operator	WT III
Water Operator	WT III, WWT III
Water Operator	WT III
Water Operator	WT II, WD I, WWT II, WWC I

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - NETWORK MAINTENANCE

Senior Manager, Maintenance and Construction

Manager, Distribution Maintenance

Manager, Dist. Maint Schedule

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

Labourer II	WD I

1.1.3 Alberta Environment Operator Certifications

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

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

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

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

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)
WATER DISTRIBUTION (WD) - FIELD OPERATIONS

Senior Manager, Distribution Operations	
Manager, Field Operations	
Manager, Metering and Preventative Maintenance	**WD I**
Manager, Water Trouble	**WD III**
Title	Alberta Environment Certification Level
Foreman III	WD IV
Foreman III	WD IV
Foreman I	WD II
Foreman I	WD II
Labourer III	WD II
Labourer III	WD I
Labourer III	WD I
Labourer III	WD II
Labourer III	WD I
Foreman I	WD I
Labourer III	WD III
Labourer II	WD I
Labourer II	WD II
Labourer II	WD I
Foreman I	WD II
Labourer II	WD I
Labourer III	WD II
Labourer II	WD II
Labourer II	WD I
Labourer III	WD I
Labourer II	WD II WWC I
Foreman III	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD III
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II
Water Systems Serviceman	WD II

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - CUSTOMER SERVICE

Senior Manager, Customer Service

Manager, Dispatch

Manager, Inspections and Customer Service

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

1.1.3 Alberta Environment Operator Certifications

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

DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER METERING (WD)

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

1.2.1 Raw Water Intake (ML)

June 2025

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	80	120	200	301	501
2	70	117	186	301	487
3	65	115	180	282	462
4	65	115	181	294	475
5	72	126	198	319	517
6	85	141	226	338	564
7	84	144	228	292	520
8	81	141	221	294	515
9	90	150	240	321	561
10	80	140	220	333	554
11	59	96	155	341	495
12	90	158	248	337	586
13	83	147	230	286	516
14	60	116	176	255	431
15	55	105	160	251	411
16	58	114	172	265	437
17	71	121	192	300	492
18	80	120	200	320	520
19	80	120	200	175	375
20	80	120	200	281	481
21	69	112	181	264	445
22	54	91	145	244	389
23	54	84	138	243	381
24	60	100	160	261	421
25	74	117	191	290	481
26	85	122	207	304	511
27	73	112	184	302	486
28	70	110	180	278	458
29	70	110	181	269	450
30	80	120	200	273	473
Monthly Total	2,177	3,603	5,780	8,616	14,395
Monthly Min	54	84	138	175	
Monthly Max	90	158	248	341	
Monthly Avg	73	120	193	287	480

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

June 2025

Day	Rossdale (Plant 1 & Plant 2)			E.L. Smith			Plants Combined	Reservoir Levels (%)
	Flow Meters			Flow Meters			Flow Meters (Both Plants)	
	Min	Max	Total	Min	Max	Total		
1	172	206	186	252	294	276	462	76.9
2	118	207	172	207	303	269	440	78.1
3	142	205	168	238	302	258	426	75.3
4	76	208	166	206	357	263	429	67.1
5	0.0	207	168	266	354	288	456	60.1
6	63	297	215	263	352	309	524	56.0
7	139	276	215	213	339	264	479	67.3
8	127	302	208	208	356	270	477	70.2
9	179	297	229	265	341	293	522	65.8
10	86	279	206	156	345	298	504	66.7
11	0.0	300	125	265	357	309	435	64.1
12	177	295	243	281	345	307	550	58.1
13	159	292	217	205	329	258	474	71.7
14	48	247	161	197	292	228	389	80.0
15	78	202	147	205	294	230	377	78.4
16	97	205	159	198	297	243	402	74.8
17	86	282	179	259	301	277	457	71.8
18	102	261	188	262	299	291	479	76.9
19	132	204	187	0.0	291	121	308	81.7
20	138	205	189	247	299	264	453	70.3
21	77	205	171	202	300	243	414	78.6
22	84	201	133	202	294	226	359	82.2
23	15	205	122	201	295	219	341	73.6
24	82	210	145	203	300	239	384	68.0
25	84	278	172	241	302	272	445	61.3
26	16	285	187	190	353	280	466	68.1
27	57	253	157	96	343	272	428	71.1
28	79	210	159	200	303	256	415	70.3
29	76	209	162	202	303	245	407	73.1
30	93	209	182	204	304	252	434	71.5
Monthly Tota			5,319			7,819	13,138	
Monthly Min	0.0			0.0				
Monthly Max		302			357			
Monthly Avg			177			261	438	

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

June 2025

Day	Rossdale										E.L. Smith									
	Turbidity (NTU)			pH			Colour (TCU)				Turbidity (NTU)			pH			Colour (TCU)			
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1	15	17	16	8.4	8.4	8.4	21.2	24.2	23.1		17	22	20	8.3	8.5	8.4	23.3	25.3	24.4	
2	11	18	13	8.4	8.4	8.4	18.8	23.0	22.4		16	23	18	8.4	8.5	8.4	19.2	23.8	21.6	
3	18	24	21	8.4	8.4	8.4	16.6	18.8	18.0		21	26	24	8.3	8.4	8.3	17.7	20.7	19.1	
4	15	21	17	8.4	8.4	8.4	12.0	17.2	16.0		16	21	17	8.4	8.4	8.4	13.4	17.7	15.6	
5	15	16	15	8.4	8.4	8.4	10.3	14.3	12.9		17	22	19	8.4	8.5	8.4	11.8	14.7	13.3	
6	12	15	14	8.4	8.5	8.5	10.3	12.2	11.4		17	22	18	8.5	8.5	8.5	11.0	14.3	12.8	
7	8.9	12	11	8.5	8.6	8.5	11.1	16.1	12.8		9.3	26	16	8.5	8.5	8.5	11.5	16.7	13.8	
8	6.2	8.9	7.5	8.5	8.6	8.5	10.3	12.3	11.7		8.1	15	9.9	8.5	8.5	8.5	10.3	12.8	11.6	
9	6.2	8.2	7.6	8.5	8.6	8.5	10.2	10.9	10.7		9.9	20	13	8.4	8.6	8.5	11.4	12.4	11.9	
10	7.2	12	9.6	8.5	8.5	8.5	8.6	10.9	9.3		9.9	15	11	8.5	8.6	8.5	9.7	11.8	9.9	
11	4.7	10	6.6	8.5	8.5	8.5	8.4	13.9	10.7		5.6	10	7.3	8.4	8.5	8.5	9.1	15.1	12.2	
12	3.0	6.3	4.3	8.5	8.5	8.5	8.5	11.6	9.3		4.8	6.2	5.3	8.5	8.5	8.5	9.1	10.6	9.7	
13	4.4	160	6.8	8.4	8.5	8.5	8.5	13.4	9.6		4.6	7.2	5.6	8.4	8.5	8.5	8.8	10.6	9.7	
14	17	160	37	8.4	8.5	8.4	9.6	14.7	11.2		7.2	19	13	8.4	8.5	8.4	8.8	14.5	11.3	
15	5.4	24	14	8.4	8.5	8.4	8.9	14.2	12.8		4.9	8.9	6.4	8.4	8.4	8.4	7.8	13.9	12.0	
16	5.8	8.8	7.3	8.5	8.5	8.5	7.0	8.9	7.6		4.9	8.5	7.4	8.4	8.4	8.4	7.3	7.8	7.4	
17	6.5	8.3	7.3	8.4	8.5	8.5	6.8	9.6	8.1		6.2	8.5	7.2	8.4	8.4	8.4	6.9	10.0	8.4	
18	6.5	14	11	8.4	8.5	8.5	6.7	10.8	8.3		7.5	12	11	8.3	8.5	8.4	6.9	10.9	9.6	
19	6.4	50	20	8.4	8.5	8.4	10.4	13.2	11.2		7.9	39	15	8.4	8.5	8.5	10.8	11.5	11.2	
20	9.4	50	20	8.4	8.4	8.4	9.0	10.4	9.7		6.6	16	11	8.4	8.4	8.4	8.7	10.8	9.3	
21	9.4	11	10	8.3	8.5	8.4	8.5	9.1	8.8		6.4	6.8	6.7	8.4	8.5	8.4	8.0	8.9	8.4	
22	9.6	12	11	8.4	8.5	8.5	8.0	9.5	8.6		6.8	9.8	8.6	8.4	8.5	8.4	8.0	11.6	9.9	
23	11	70	29	8.3	8.5	8.4	9.5	16.4	12.9		7.7	220	45	8.2	8.4	8.4	11.6	23.6	14.5	
24	70	450	300	8.1	8.3	8.2	15.6	39.2	31.3		210	370	280	8.1	8.2	8.2	23.6	44.9	37.0	
25	160	260	220	8.2	8.2	8.2	34.5	45.2	40.9		120	210	170	8.1	8.2	8.2	34.4	43.9	40.5	
26	45	180	100	8.2	8.2	8.2	31.0	34.5	32.1		50	120	80	8.1	8.3	8.2	30.6	34.4	32.8	
27	40	75	55	8.2	8.3	8.2	25.0	31.2	28.7		50	65	60	8.2	8.3	8.3	23.7	31.4	28.8	
28	55	80	65	8.3	8.3	8.3	18.8	25.0	21.2		50	60	60	8.2	8.3	8.3	19.7	23.7	20.7	
29	65	80	70	8.3	8.4	8.3	16.8	19.1	18.3		45	60	55	8.3	8.4	8.4	16.1	19.7	17.9	
30	50	75	60	8.3	8.4	8.4	14.5	16.8	15.6		40	45	45	8.3	8.4	8.4	15.3	16.5	15.9	
Monthly Min/Max/Avg	3.0	450	40	8.1	8.6	8.4	6.7	45.2	15.5		4.6	370	35	8.1	8.6	8.4	6.9	44.9	16.0	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

June 2025

Day	Rossdale														E.L. Smith													
	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg
1	0.03	0.06	0.05	2.11	2.21	2.17	7.7	7.9	7.8	0.68	0.69	0.68	166	0.9	0.06	0.06	0.06	2.03	2.09	2.07	7.8	7.8	7.8	0.63	0.64	0.63	169	1.2
2	0.05	0.06	0.05	2.11	2.26	2.19	7.7	7.8	7.8	0.67	0.68	0.68	173	1.0	0.06	0.06	0.06	2.05	2.12	2.08	7.7	7.8	7.8	0.62	0.63	0.63	179	1.5
3	0.04	0.07	0.06	2.11	2.26	2.21	7.8	7.9	7.8	0.67	0.69	0.68	182	1.2	0.06	0.06	0.06	2.06	2.14	2.09	7.6	7.7	7.6	0.63	0.63	0.63	182	1.5
4	0.04	0.07	0.06	2.16	2.26	2.24	7.8	7.9	7.9	0.67	0.69	0.69	180	1.4	0.06	0.06	0.06	2.03	2.17	2.09	7.6	7.7	7.6	0.63	0.65	0.64	186	1.4
5	0.05	0.08	0.07	2.11	2.26	2.21	7.8	7.9	7.8	0.67	0.69	0.68	187	1.0	0.06	0.06	0.06	2.04	2.12	2.08	7.6	7.7	7.7	0.65	0.66	0.66	185	1.3
6	0.06	0.08	0.07	2.06	2.21	2.16	7.8	7.9	7.8	0.67	0.69	0.68	185	0.8	0.06	0.06	0.06	2.06	2.12	2.09	7.6	7.7	7.6	0.65	0.66	0.66	184	1.2
7	0.06	0.08	0.07	2.06	2.21	2.15	7.8	7.8	7.8	0.68	0.68	0.68	185	0.9	0.06	0.06	0.06	2.03	2.09	2.07	7.6	7.7	7.6	0.65	0.66	0.66	184	1.3
8	0.06	0.07	0.07	2.16	2.21	2.19	7.7	7.8	7.7	0.67	0.69	0.68	178	0.6	0.06	0.06	0.06	2.09	2.18	2.14	7.6	7.7	7.6	0.65	0.66	0.65	178	1.3
9	0.07	0.08	0.07	2.11	2.21	2.17	7.8	7.8	7.8	0.69	0.71	0.69	182	0.6	0.06	0.06	0.06	2.05	2.18	2.09	7.6	7.7	7.7	0.66	0.66	0.66	181	1.3
10	0.06	0.08	0.07	2.06	2.16	2.13	7.8	7.9	7.9	0.70	0.71	0.70	181	0.8	0.06	0.07	0.06	2.08	2.14	2.11	7.7	7.7	7.7	0.66	0.67	0.66	175	1.2
11	0.07	0.09	0.08	1.96	2.16	2.09	7.8	7.9	7.9	0.70	0.73	0.72	178	0.7	0.06	0.07	0.07	2.01	2.09	2.05	7.7	7.7	7.7	0.65	0.67	0.66	181	1.1
12	0.08	0.10	0.08	2.06	2.26	2.22	7.1	7.9	7.8	0.69	0.72	0.70	182	0.8	0.06	0.07	0.06	2.03	2.11	2.07	7.7	7.7	7.7	0.66	0.67	0.66	182	1.0
13	0.07	0.08	0.08	2.16	2.32	2.21	7.8	7.9	7.9	0.69	0.70	0.70	180	0.7	0.06	0.06	0.06	2.03	2.08	2.06	7.7	7.7	7.7	0.65	0.66	0.66	178	1.1
14	0.07	0.08	0.08	2.16	2.26	2.22	7.8	7.8	7.8	0.68	0.69	0.69	177	0.6	0.06	0.06	0.06	2.02	2.08	2.04	7.7	7.7	7.7	0.64	0.66	0.66	178	0.9
15	0.07	0.08	0.07	2.21	2.26	2.23	7.8	7.8	7.8	0.67	0.68	0.68	173	0.6	0.06	0.06	0.06	2.03	2.08	2.03	7.7	7.7	7.7	0.63	0.65	0.64	171	0.7
16	0.07	0.08	0.08	2.16	2.26	2.22	7.8	7.9	7.8	0.68	0.70	0.69	178	0.4	0.06	0.06	0.06	2.03	2.08	2.04	7.7	7.8	7.7	0.65	0.67	0.67	178	0.8
17	0.07	0.08	0.07	1.96	2.21	2.09	7.8	7.9	7.9	0.70	0.71	0.71	176	0.3	0.06	0.06	0.06	2.02	2.08	2.04	7.7	7.7	7.7	0.63	0.67	0.66	175	0.7
18	0.06	0.08	0.08	1.96	2.11	2.04	7.8	7.9	7.8	0.70	0.71	0.70	178	0.4	0.06	0.06	0.06	1.98	2.05	2.02	7.7	7.8	7.7	0.63	0.66	0.64	180	1.0
19	0.06	0.08	0.07	1.96	2.11	2.05	7.8	7.8	7.8	0.69	0.71	0.71	175	0.8	0.06	0.06	0.06	2.00	2.13	2.07	7.7	7.7	7.7	0.63	0.64	0.63	174	0.4
20	0.06	0.07	0.07	2.06	2.16	2.10	7.8	7.9	7.8	0.68	0.70	0.69	169	0.7	0.06	0.06	0.06	1.93	2.12	2.06	7.7	7.8	7.8	0.62	0.63	0.63	178	0.8
21	0.07	0.08	0.07	2.11	2.21	2.17	7.8	7.9	7.8	0.68	0.70	0.69	174	0.5	0.06	0.06	0.06	2.08	2.12	2.09	7.8	7.8	7.8	0.62	0.63	0.63	170	0.8
22	0.07	0.08	0.07	2.06	2.16	2.11	7.8	7.9	7.8	0.68	0.70	0.69	171	0.3	0.06	0.06	0.06	2.08	2.12	2.09	7.7	7.8	7.8	0.60	0.63	0.62	174	0.8
23	0.07	0.08	0.07	2.06	2.16	2.12	7.8	7.9	7.9	0.69	0.70	0.69	177	0.5	0.06	0.06	0.06	2.08	2.13	2.10	7.7	7.8	7.7	0.60	0.61	0.60	175	0.9
24	0.07	0.08	0.08	2.06	2.21	2.19	7.7	7.9	7.8	0.65	0.69	0.67	174	0.6	0.06	0.09	0.06	2.03	2.13	2.09	7.8	7.9	7.9	0.67	0.72	0.69	182	0.6
25	0.06	0.08	0.07	2.11	2.21	2.19	7.7	7.8	7.8	0.67	0.68	0.68	185	0.8	0.06	0.06	0.06	2.08	2.18	2.12	7.9	8.0	8.0	0.62	0.67	0.65	179	1.4
26	0.07	0.08	0.08	2.11	2.21	2.19	7.8	8.0	7.8	0.67	0.72	0.69	177	1.0	0.06	0.06	0.06	2.04	2.12	2.09	7.9	8.0	8.0	0.61	0.65	0.64	176	1.3
27	0.07	0.08	0.07	2.01	2.21	2.14	7.8	8.0	7.8	0.70	0.72	0.71	166	0.9	0.06	0.06	0.06	1.93	2.05	1.97	7.9	8.0	8.0	0.59	0.60	0.60	166	1.5
28	0.07	0.08	0.07	2.01	2.16	2.10	7.8	7.9	7.8	0.72	0.74	0.73	169	0.9	0.06	0.06	0.06	1.93	1.98	1.96	8.0	8.0	8.0	0.60	0.62	0.61	170	1.4
29	0.07	0.08	0.07	2.06	2.21	2.15	7.8	7.9	7.8	0.74	0.75	0.75	169	0.9	0.06	0.06	0.06	1.96	2.03	1.99	8.0	8.0	8.0	0.61	0.62	0.62	172	1.5
30	0.07	0.08	0.07	2.06	2.21	2.14	7.8	7.9	7.8	0.75	0.78	0.77	170	0.9	0.06	0.06	0.06	1.99	2.05	2.02	8.0	8.0	8.0	0.62	0.63	0.62	174	1.1
Monthly Min/Max/ Avg	0.03	0.10	0.07	1.96	2.32	2.16	7.1	8.0	7.8	0.65	0.78	0.70	176	0.7	0.06	0.09	0.06	1.93	2.18	2.06	7.6	8.0	7.8	0.59	0.72	0.64	177	1.1

NOTES: ' -- ' indicates plant offline

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

June 2025

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

NOTE: ' -- ' indicates filter offline

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

June 2025

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

NOTES: ' -- ' indicates filter offline

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

June 2025

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

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

June 2025

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

NOTES: ' -- ' indicates filter offline

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

June 2025

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

NOTES: ' -- ' indicates filter offline

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

June 2025

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

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

June 2025

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

June 2025

Filter	1						2						3						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	34.7	36.2	35.5	21.3	29.8	11.1	34.7	37.1	35.5	19.9	26.6	15.5	34.6	36.1	35.5	25.2	30.1	27.9	88.1	90.2	88.9
2	34.8	37.8	35.5	19.0	29.2	16.5	34.8	36.1	35.5	25.4	33.1	23.9	34.6	36.2	35.5	21.9	25.9	23.7	89.0	90.2	89.5
3	34.7	36.1	35.5	21.6	29.7	23.6	34.8	36.1	35.5	26.1	32.7	29.7	34.7	36.1	35.5	20.8	22.1	5.2	90.2	90.8	90.5
4	34.3	35.9	35.5	27.2	31.9	28.8	34.9	36.2	35.5	25.2	29.1	26.9	--	--	--	--	--	--	89.6	91.8	90.6
5	34.8	36.0	35.5	23.8	27.9	12.1	34.2	36.0	35.5	24.8	33.6	21.6	34.8	36.2	35.5	22.9	33.1	23.1	91.7	92.5	92.0
6	34.7	37.0	35.5	20.8	32.6	19.0	34.8	36.4	35.5	25.2	30.8	28.9	34.7	36.2	35.5	23.4	30.3	27.3	91.9	93.2	92.5
7	34.8	36.1	35.5	27.4	31.9	29.7	34.9	36.2	35.6	23.8	30.3	27.5	34.6	36.2	35.5	21.4	27.3	24.8	91.2	92.6	92.1
8	34.0	36.1	35.5	20.5	28.2	24.9	35.1	39.4	36.2	20.3	37.1	16.7	34.7	36.8	35.5	19.7	35.4	13.2	91.5	92.7	92.5
9	34.8	36.0	35.6	19.5	36.0	15.2	34.9	36.1	35.5	30.8	37.0	34.2	34.8	36.2	35.5	27.0	34.3	30.9	92.1	93.3	92.9
10	34.7	36.3	35.5	26.9	35.5	31.9	34.9	36.4	35.6	23.8	31.6	27.7	34.6	50.6	35.5	15.1	27.4	23.6	92.1	93.4	92.9
11	32.3	36.5	35.4	22.1	27.5	10.5	35.0	43.8	35.7	18.0	30.6	19.3	35.0	37.2	35.5	18.5	25.4	8.8	91.6	93.3	93.0
12	34.9	36.2	35.6	25.3	33.7	29.3	34.8	36.1	35.6	26.9	32.4	29.5	34.9	36.2	35.5	22.8	33.0	28.4	91.6	93.6	92.4
13	34.6	36.1	35.6	22.0	31.4	26.3	34.9	37.4	35.6	20.9	30.4	18.4	34.8	36.2	35.5	22.8	31.2	26.9	91.9	93.8	93.1
14	34.9	48.1	35.6	13.4	22.8	5.7	34.9	36.2	35.6	25.6	33.3	27.2	34.7	37.7	36.1	18.2	23.2	20.2	92.6	93.3	93.1
15	34.8	36.1	35.5	23.6	28.1	25.5	34.9	36.5	35.7	22.8	27.3	25.0	36.3	39.5	36.9	16.6	18.6	0.6	92.3	93.1	92.7
16	34.8	36.0	35.6	23.2	27.4	25.0	35.9	50.3	40.5	17.1	23.0	15.3	35.0	36.3	35.6	22.3	23.6	6.8	92.6	94.9	93.6
17	34.9	36.2	35.6	20.2	23.7	21.6	34.9	37.0	35.7	25.0	29.9	11.1	34.9	36.3	35.6	22.2	30.9	26.8	93.1	94.9	93.9
18	35.0	36.1	35.6	20.2	21.6	2.0	34.9	36.4	35.6	28.5	32.4	29.8	34.8	36.2	35.5	23.3	28.9	25.7	93.2	94.4	93.6
19	35.0	36.2	35.6	25.6	29.8	7.7	34.9	38.1	35.8	23.3	29.3	25.8	34.7	45.2	35.5	13.7	23.6	15.7	91.6	93.7	92.6
20	34.8	36.1	35.5	26.4	29.8	27.9	35.7	40.1	37.2	19.9	23.6	14.3	35.0	36.4	35.5	23.0	28.5	10.7	92.7	93.5	93.3
21	34.7	36.1	35.5	24.2	28.3	26.4	35.0	36.1	35.6	24.9	30.1	24.1	34.7	36.2	35.5	25.5	28.0	26.4	92.7	94.3	93.6
22	34.8	43.6	36.0	14.8	24.5	15.0	35.4	41.8	37.7	20.4	25.8	23.1	34.9	38.5	36.1	18.1	26.1	21.6	93.2	94.1	93.9
23	--	--	--	--	--	--	35.4	38.8	36.1	18.5	23.7	21.0	34.7	37.3	35.7	15.7	20.0	12.0	91.8	93.7	92.9
24	34.8	36.5	35.6	23.0	27.9	24.6	35.5	36.0	35.7	21.5	22.2	1.1	--	--	--	--	--	--	90.7	91.8	91.5
25	34.8	36.0	35.5	26.1	29.1	27.5	35.0	36.0	35.5	24.9	25.7	7.7	34.8	36.1	35.5	23.1	28.5	17.1	89.3	90.8	90.4
26	34.3	36.4	35.5	24.8	31.5	28.9	34.6	36.1	35.5	25.1	34.6	29.6	34.8	36.1	35.5	20.7	32.7	27.8	89.3	93.3	90.7
27	35.1	35.8	35.5	24.9	25.2	0.8	34.8	36.3	35.5	24.9	27.9	26.7	34.9	36.3	35.5	23.3	26.7	25.2	89.5	91.2	90.7
28	34.9	36.2	35.6	24.5	29.2	20.4	34.9	35.7	35.6	24.1	28.3	18.4	34.7	40.1	35.5	14.7	28.4	12.4	89.5	91.7	91.1
29	34.5	36.1	35.5	26.3	29.1	27.8	--	--	--	--	--	--	34.9	36.1	35.5	25.2	28.1	27.2	91.3	91.8	91.5
30	34.8	36.0	35.5	24.7	28.5	26.0	34.9	36.2	35.5	25.1	30.1	22.6	34.7	36.0	35.5	24.6	27.7	25.7	91.7	92.0	91.8
Monthly Total						591.7						642.7						565.6			
Monthly Min/Max/ Avg	32.3	48.1	35.5	13.4	36.0		34.2	50.3	35.9	17.1	37.1		34.6	50.6	35.6	13.7	35.4		88.1	94.9	92.1

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

June 2025

Filter	4						5						6						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	34.5	36.3	35.5	20.4	26.3	23.8	34.9	37.0	35.5	17.6	24.4	4.8	35.1	36.0	35.6	26.5	31.1	28.7	88.1	90.2	88.9
2	34.7	36.9	35.6	20.4	31.8	17.3	34.6	36.2	35.5	23.6	30.4	28.2	35.0	35.9	35.6	25.3	27.6	8.1	89.0	90.2	89.5
3	34.8	36.1	35.5	25.3	30.1	28.3	34.9	36.1	35.5	24.9	29.1	26.8	35.1	35.9	35.6	21.3	32.0	10.8	90.2	90.8	90.5
4	34.7	36.7	35.6	24.5	28.5	26.2	34.9	36.4	35.5	19.7	26.6	16.3	35.2	36.0	35.6	31.3	35.4	32.6	89.6	91.8	90.6
5	34.8	48.5	35.6	13.7	31.4	18.0	34.8	36.1	35.5	23.5	30.9	18.0	35.2	48.9	35.6	23.9	35.0	22.5	91.7	92.5	92.0
6	34.9	36.6	35.7	28.3	30.5	14.9	34.8	36.3	35.5	25.1	28.9	27.0	35.2	35.9	35.6	27.9	32.7	28.6	91.9	93.2	92.5
7	34.8	36.6	35.5	22.6	33.9	27.3	34.7	36.9	35.5	19.6	25.6	11.4	35.0	35.9	35.6	26.9	33.3	30.5	91.2	92.6	92.1
8	34.8	36.7	35.6	22.7	31.8	26.4	34.7	37.7	35.5	19.5	33.3	26.5	35.0	37.7	35.6	17.0	27.9	21.0	91.5	92.7	92.5
9	34.5	37.4	35.7	18.2	25.0	21.7	34.9	36.3	35.5	23.1	28.8	25.7	35.1	36.1	35.6	25.7	36.3	25.2	92.1	93.3	92.9
10	35.1	42.6	36.8	15.7	23.5	4.9	34.9	37.0	35.7	19.2	23.8	19.2	35.1	36.2	35.6	26.6	35.6	31.9	92.1	93.4	92.9
11	34.7	83.9	35.7	22.9	36.0	21.0	35.0	36.1	35.5	19.6	31.3	11.9	34.9	38.6	35.6	18.6	33.2	14.6	91.6	93.3	93.0
12	34.8	36.8	35.7	25.7	30.7	27.8	34.9	36.2	35.5	23.2	29.6	26.7	35.2	36.7	35.6	24.5	31.1	15.0	91.6	93.6	92.4
13	34.5	39.8	35.7	17.4	27.4	16.2	34.8	36.2	35.5	20.9	28.4	24.1	34.8	35.9	35.6	26.1	38.4	26.7	91.9	93.8	93.1
14	35.0	36.7	35.7	25.4	27.2	23.4	34.8	52.0	36.7	13.1	21.4	12.7	35.2	36.0	35.6	25.3	34.2	27.2	92.6	93.3	93.1
15	34.7	36.8	35.7	22.9	26.3	24.4	35.2	35.9	35.5	24.5	24.9	0.2	35.2	35.8	35.7	22.3	25.5	13.7	92.3	93.1	92.7
16	34.8	43.3	38.4	19.2	23.0	21.1	34.5	36.4	35.6	24.4	28.5	27.2	35.2	36.0	35.6	21.8	28.3	14.6	92.6	94.9	93.6
17	41.3	47.3	42.7	16.3	19.9	1.5	34.4	36.2	35.5	24.0	26.3	24.9	35.0	36.0	35.6	27.1	31.8	30.0	93.1	94.9	93.9
18	34.0	43.6	36.3	18.1	30.3	24.5	35.1	37.5	35.8	19.1	24.5	21.4	35.0	36.1	35.6	24.8	30.7	27.5	93.2	94.4	93.6
19	34.8	37.0	35.6	24.7	29.9	27.0	34.8	36.5	35.5	17.9	28.5	14.8	35.1	39.2	35.6	16.4	24.9	12.3	91.6	93.7	92.6
20	34.6	36.8	35.7	21.6	25.1	23.4	34.7	36.4	35.5	25.5	28.8	27.1	35.1	36.7	35.6	26.3	31.7	25.4	92.7	93.5	93.3
21	34.7	45.3	36.4	15.4	23.8	4.2	35.0	36.1	35.5	23.8	28.4	25.7	35.1	35.9	35.6	25.3	33.1	29.8	92.7	94.3	93.6
22	35.0	42.6	38.8	17.7	23.0	11.7	35.0	90.9	35.7	20.3	24.0	10.2	35.3	36.2	35.6	22.2	28.7	25.1	93.2	94.1	93.9
23	34.9	36.8	35.7	19.5	25.6	22.0	34.8	36.3	35.5	19.9	20.4	6.9	35.1	35.7	35.8	17.2	23.8	4.5	91.8	93.7	92.9
24	34.8	36.9	35.7	18.1	24.7	22.0	34.2	36.1	35.5	20.0	27.7	25.2	35.3	35.9	35.6	24.1	26.7	7.5	90.7	91.8	91.5
25	34.8	50.8	35.7	21.1	23.5	15.8	34.9	36.2	35.5	24.2	26.7	25.5	35.2	36.0	35.6	26.0	32.1	29.3	89.3	90.8	90.4
26	--	--	--	--	--	--	34.7	36.0	35.5	23.5	29.3	11.9	35.1	37.4	35.6	21.9	35.0	28.8	89.3	93.3	90.7
27	34.7	36.7	35.5	22.9	27.8	20.7	34.7	36.3	35.5	24.2	28.4	20.9	35.2	38.0	35.6	18.4	30.7	12.8	89.5	91.2	90.7
28	34.8	36.9	35.6	24.3	27.8	25.9	34.9	36.3	35.5	26.1	28.6	27.3	35.3	36.0	35.6	26.5	32.7	15.4	89.5	91.7	91.1
29	34.8	36.7	35.6	24.1	28.9	26.1	34.7	36.1	35.5	24.3	28.5	26.3	35.2	36.0	35.6	29.6	31.8	30.6	91.3	91.8	91.5
30	35.0	38.7	35.6	17.0	27.5	4.9	34.9	36.1	35.5	24.9	27.8	9.2	35.0	36.0	35.6	24.6	30.0	28.0	91.7	92.0	91.8
Monthly Total						572.2						583.7						658.8			
Monthly Min/Max/ Avg	34.0	83.9	36.2	13.7	36.0		34.2	90.9	35.6	13.1	33.3		34.8	48.9	35.6	16.4	38.4		88.1	94.9	92.1

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

June 2025

Filter	7						8						9						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	34.3	36.0	35.6	20.8	31.2	24.8	35.0	36.1	35.5	29.1	33.4	30.8	34.8	38.3	35.5	18.4	29.1	25.5	88.1	90.2	88.9
2	34.9	36.3	35.6	27.0	32.4	29.1	35.0	36.1	35.6	28.7	33.0	30.4	--	--	--	--	--	--	89.0	90.2	89.5
3	35.1	36.0	35.6	26.5	31.9	28.5	35.1	39.9	35.6	13.9	30.6	18.3	--	--	--	--	--	--	90.2	90.8	90.5
4	35.1	37.3	35.6	21.4	30.1	11.8	35.1	36.1	35.6	31.0	32.3	18.7	35.2	36.0	35.4	26.7	30.3	9.3	89.6	91.8	90.6
5	35.0	36.0	35.6	23.7	34.8	29.4	35.0	40.3	35.6	16.5	34.7	16.8	33.8	36.1	35.5	23.6	35.1	28.7	91.7	92.5	92.0
6	35.1	36.1	35.6	28.9	32.7	30.7	35.0	36.3	35.6	20.6	35.6	12.1	35.1	36.1	35.6	27.8	32.2	30.1	91.9	93.2	92.5
7	35.1	36.0	35.6	28.4	31.8	18.7	34.9	36.2	35.6	29.4	36.8	34.4	30.6	54.6	34.9	12.0	37.8	17.4	91.2	92.6	92.1
8	34.6	36.0	35.6	24.5	37.3	22.5	35.0	36.3	35.6	26.7	35.2	30.9	31.9	36.8	35.5	26.0	38.2	31.3	91.5	92.7	92.5
9	35.0	36.1	35.6	31.1	36.4	33.1	34.9	36.7	35.6	20.0	28.8	17.3	35.0	36.2	35.6	28.2	33.4	30.2	92.1	93.3	92.9
10	35.1	36.0	35.6	26.0	32.3	29.0	33.9	36.1	35.5	25.7	37.7	28.0	34.9	37.4	35.6	19.3	29.2	16.8	92.1	93.4	92.9
11	35.1	36.0	35.6	25.6	31.8	16.6	35.0	36.2	35.5	19.1	33.9	16.3	34.8	38.0	35.6	20.6	36.1	23.1	91.6	93.3	93.0
12	35.1	36.1	35.6	28.4	33.7	31.2	35.0	36.2	35.5	23.5	31.4	28.4	34.9	36.1	35.6	26.9	33.2	29.8	91.6	93.6	92.4
13	35.1	36.0	35.6	26.0	32.9	29.5	35.0	36.6	35.6	22.5	30.4	26.1	34.0	38.8	35.6	19.8	35.5	28.2	91.9	93.8	93.1
14	35.1	55.8	35.6	10.3	26.6	12.5	35.1	57.5	35.6	21.8	23.3	10.6	35.0	36.1	35.6	26.5	32.8	28.2	92.6	93.3	93.1
15	34.2	36.1	35.6	24.3	26.6	25.3	35.0	36.0	35.5	21.1	27.2	12.2	34.9	36.1	35.6	24.5	27.6	26.0	92.3	93.1	92.7
16	34.6	36.0	35.6	24.1	28.9	26.8	35.1	36.0	35.6	24.5	26.8	25.5	35.5	45.6	36.7	15.3	25.0	0.1	92.6	94.9	93.6
17	35.1	36.0	35.7	24.2	26.5	14.4	34.9	36.2	35.6	26.8	31.5	28.9	35.0	37.0	35.7	21.2	31.6	24.6	93.1	94.9	93.9
18	33.7	36.4	35.6	20.7	35.2	14.0	35.1	36.5	35.6	22.5	31.3	16.7	35.0	36.1	35.6	27.4	33.5	31.4	93.2	94.4	93.6
19	35.1	36.0	35.6	30.7	34.5	32.2	34.1	36.2	35.6	25.7	32.0	28.6	35.0	36.1	35.6	26.9	31.2	28.8	91.6	93.7	92.6
20	34.6	36.1	35.6	28.1	31.4	29.6	35.2	36.5	35.6	26.9	31.0	29.5	35.2	35.9	35.7	25.4	27.4	5.4	92.7	93.5	93.3
21	35.2	35.9	35.7	26.6	28.7	9.1	35.1	36.1	35.6	24.1	33.8	28.9	--	--	--	--	--	--	92.7	94.3	93.6
22	35.3	36.1	35.7	20.7	21.5	5.7	35.2	90.2	36.0	23.4	24.5	2.1	34.9	36.2	35.6	21.6	27.3	24.3	93.2	94.1	93.9
23	34.7	35.9	35.6	20.2	25.7	20.0	35.0	37.2	35.6	23.3	31.7	20.9	34.8	36.2	35.5	23.6	29.5	25.8	91.8	93.7	92.9
24	33.5	38.1	35.4	21.6	29.5	23.9	35.0	37.9	35.6	21.3	28.3	24.4	34.8	50.3	35.6	21.4	28.2	20.7	90.7	91.8	91.5
25	32.0	36.0	33.9	22.3	27.9	8.9	35.0	36.0	35.6	22.0	29.9	28.4	34.8	36.4	35.5	25.3	27.8	16.9	89.3	90.8	90.4
26	33.2	36.1	35.1	20.2	29.0	20.0	35.1	36.1	35.6	21.6	36.6	17.4	31.4	36.2	35.4	21.1	35.0	27.6	89.3	93.3	90.7
27	33.0	33.1	34.2	25.3	25.3	3.6	35.0	35.4	35.6	30.3	31.3	27.8	31.8	36.2	35.1	25.4	31.2	29.0	89.5	91.2	90.7
28	--	--	--	--	--	--	34.9	36.0	35.6	28.0	31.4	29.9	32.7	36.5	35.1	28.0	30.8	15.3	89.5	91.7	91.1
29	35.0	36.2	35.6	24.3	25.5	12.3	35.0	38.6	35.6	18.9	29.8	15.0	--	--	--	--	--	--	91.3	91.8	91.5
30	34.7	36.2	35.6	22.9	25.1	23.8	35.0	36.0	35.6	25.3	27.0	17.9	33.6	36.3	35.5	26.7	32.5	29.8	91.7	92.0	91.8
Monthly Total						617.1						673.2						604.2			
Monthly Min/Max/ Avg	32.0	55.8	35.5	10.3	37.3		33.9	90.2	35.6	13.9	37.7		30.6	54.6	35.5	12.0	38.2		88.1	94.9	92.1

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

June 2025

Filter	1						2						3						4						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	47.0	51.9	49.7	63.4	78.8	74.2	65.3	75.6	68.1	58.5	73.1	68.4	45.7	75.8	70.4	63.0	75.5	71.7	48.6	53.2	50.6	66.5	72.3	69.4	89.7	90.2	89.9
2	50.2	62.5	53.7	57.7	80.2	73.0	46.3	76.8	68.0	53.2	74.0	67.3	45.1	72.8	51.7	56.9	76.9	70.9	50.0	60.0	53.7	62.8	72.5	68.1	89.8	90.5	90.2
3	51.5	61.7	54.9	58.7	76.3	68.8	44.5	79.5	68.2	54.8	70.6	63.6	48.1	57.0	50.9	58.1	73.3	66.7	46.7	60.1	52.6	57.1	68.9	64.4	90.1	90.4	90.3
4	48.4	61.8	54.0	57.6	102.0	82.3	46.3	100.2	60.8	28.9	72.1	29.8	48.6	77.7	62.9	57.1	107.9	82.9	46.9	47.2	47.1	56.8	90.0	75.6	90.2	92.3	90.9
5	44.4	58.5	49.7	90.8	110.9	101.4	--	--	--	--	--	--	46.7	75.1	63.5	92.2	110.4	102.2	44.9	47.2	46.8	85.1	98.0	92.4	91.0	92.3	91.3
6	42.3	67.6	57.8	71.5	115.1	88.5	49.9	130.8	62.1	65.5	78.5	51.5	46.1	80.4	62.9	80.9	115.7	95.5	43.2	47.2	46.9	69.0	102.8	82.1	91.1	92.7	91.9
7	56.4	72.3	62.9	59.1	95.6	73.9	48.6	134.7	57.7	25.0	73.4	49.9	45.3	91.2	55.6	65.9	102.3	82.2	46.6	47.2	47.0	60.6	82.3	68.5	90.9	92.6	91.8
8	56.1	74.3	64.1	60.3	92.4	79.1	58.5	191.1	67.3	57.2	72.2	32.9	49.3	66.3	56.2	74.0	101.8	89.9	46.9	47.3	47.1	61.0	82.5	73.0	92.1	93.1	92.3
9	60.8	74.8	65.6	65.3	79.8	74.9	52.9	67.8	57.0	60.0	74.0	68.8	51.8	66.5	56.0	77.5	93.7	88.0	46.9	47.3	47.1	64.0	74.2	70.4	92.3	93.1	92.4
10	61.3	78.7	68.8	64.8	105.1	78.8	55.4	91.4	63.3	59.4	100.7	72.5	55.1	89.3	66.7	77.2	116.7	92.4	46.9	64.9	48.3	48.4	76.6	66.4	92.4	93.2	92.9
11	52.7	69.0	60.1	72.4	87.5	81.9	45.6	65.6	53.7	66.2	81.0	75.3	45.3	78.6	60.8	84.1	101.9	95.4	46.7	47.4	47.1	59.2	69.1	65.6	91.4	93.1	92.1
12	63.1	70.1	66.8	72.6	87.1	82.0	56.6	66.1	62.2	67.0	81.1	75.4	56.2	64.5	60.1	84.8	102.1	95.4	46.7	47.4	47.2	60.4	68.3	65.6	92.6	93.8	93.1
13	46.5	81.4	61.9	56.2	76.2	68.6	66.1	83.5	72.7	51.5	70.5	62.9	64.5	79.7	70.5	65.2	87.9	79.2	47.0	47.4	47.2	48.1	60.5	54.8	92.9	93.4	93.1
14	46.7	81.2	53.1	52.0	72.8	61.7	45.3	85.3	72.6	47.0	65.9	56.7	66.6	86.8	75.1	59.8	82.8	71.3	47.0	47.5	47.2	44.1	56.3	49.3	92.2	93.4	93.0
15	46.9	58.5	52.0	52.1	66.2	61.0	49.7	86.6	76.1	48.3	61.0	55.8	69.6	87.4	77.3	61.2	76.4	70.3	47.0	47.5	47.2	44.9	51.8	48.7	92.0	93.6	92.6
16	50.4	61.5	55.8	54.3	71.9	64.4	45.7	80.8	53.9	49.5	66.6	59.1	47.1	86.0	77.0	63.6	83.3	74.5	46.9	47.4	47.2	45.5	56.0	51.5	93.6	93.9	93.8
17	46.7	72.4	59.1	62.9	106.1	89.0	71.9	80.3	77.2	45.5	68.0	18.8	49.7	74.7	62.3	72.2	114.8	96.1	46.9	47.3	47.1	54.6	95.5	79.0	92.9	94.0	93.4
18	53.4	64.8	58.7	91.0	107.5	101.2	--	--	--	--	--	--	47.6	59.6	52.8	97.3	113.3	107.5	46.9	47.3	47.1	85.5	95.9	92.8	93.0	94.0	93.5
19	51.8	85.2	36.1	65.9	105.5	50.1	72.5	123.4	81.5	65.7	68.6	3.5	46.0	117.5	81.8	69.0	111.4	53.3	47.2	84.8	35.0	60.3	96.1	45.9	92.2	93.2	92.4
20	48.7	79.1	58.8	56.0	90.0	70.5	72.4	86.0	77.0	53.0	68.8	49.7	70.1	82.0	75.8	65.7	94.7	81.0	47.0	90.0	55.5	58.2	80.1	65.7	93.2	93.6	93.5
21	67.4	76.2	70.6	73.6	90.4	84.3	--	--	--	--	--	--	67.3	75.0	70.5	78.4	95.5	89.2	47.0	47.4	47.2	74.0	80.8	76.7	93.5	93.8	93.7
22	66.7	76.3	70.7	65.7	90.0	77.8	--	--	--	--	--	--	65.8	82.1	69.8	68.9	94.4	82.2	47.0	47.4	47.1	61.1	76.7	70.9	93.1	93.8	93.4
23	59.8	73.9	65.1	66.1	81.3	76.4	--	--	--	--	--	--	57.3	72.4	62.7	70.1	86.0	80.8	46.8	47.2	47.0	64.9	73.0	70.0	91.7	93.1	92.5
24	51.7	144.7	56.1	66.4	87.0	35.0	59.6	114.1	67.9	70.4	85.3	44.9	44.8	72.3	59.4	76.5	96.0	88.7	46.9	47.2	47.0	68.7	80.4	76.7	90.1	91.7	90.9
25	--	--	--	--	--	--	57.7	67.6	62.1	69.3	94.6	87.2	58.2	68.1	62.0	81.4	109.2	101.0	42.5	47.2	45.0	72.5	91.7	87.2	90.0	90.5	90.2
26	53.1	64.2	55.1	43.3	108.3	62.3	58.0	116.5	60.2	31.4	93.9	34.0	54.0	63.2	57.6	95.8	116.1	107.2	41.3	47.1	44.8	75.8	92.2	83.6	90.0	92.1	90.4
27	43.8	94.5	58.7	29.0	105.8	95.0	61.0	162.2	63.3	63.0	107.6	2.1	56.7	78.6	61.2	31.0	112.7	102.4	42.7	47.2	45.4	71.9	91.8	85.2	89.9	90.9	90.2
28	60.2	72.9	67.1	70.5	105.9	88.3	--	--	--	--	--	--	64.2	75.4	69.9	75.2	107.4	93.2	45.6	47.1	46.9	66.1	91.5	80.6	90.3	91.4	90.9
29	65.8	73.7	70.0	72.0	92.7	84.9	--	--	--	--	--	--	68.6	76.9	72.9	77.4	95.8	90.1	46.9	47.2	47.1	70.9	82.2	78.0	90.7	91.4	91.0
30	68.2	76.3	71.5	74.2	93.3	86.8	--	--	--	--	--	--	69.5	77.6	73.9	80.1	96.5	91.6	46.8	47.2	47.1	78.2	82.5	79.2	91.0	91.9	91.5
Monthly Total						2,216.2						1,130.2						2,592.9						2,137.2			
Monthly Min/Max/ Avg	42.3	144.7	59.6	29.0	115.1		44.5	191.1	66.0	25.0	107.6		44.8	117.5	65.0	31.0	116.7		41.3	90.0	47.3	44.1	102.8		89.7	94.0	92.0

NOTES: ' -- ' indicates UV reactor offline

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

1.2.16 Log Removal

June 2025

Day	Rossdale									E.L. Smith								
	Log Removal									Log Removal								
	Giardia			Virus			*Cryptosporidium*			*Giardia*			Virus			*Cryptosporidium*		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	10.7	11.1	10.9	33	37	35	7.0	7.0	7.0	7.5	7.6	7.6	20	25	23	7.0	7.0	7.0
2	10.5	11.0	10.8	28	35	32	7.0	7.0	7.0	7.4	7.6	7.5	18	24	22	7.0	7.0	7.0
3	10.2	10.7	10.4	28	32	30	7.0	7.0	7.0	7.5	7.6	7.5	19	24	21	7.0	7.0	7.0
4	10.0	10.5	10.3	28	32	30	7.0	7.0	7.0	7.4	7.6	7.5	18	24	21	7.0	7.0	7.0
5	9.8	11.7	10.1	29	34	31	7.0	7.0	7.0	7.4	7.6	7.5	17	24	21	7.0	7.0	7.0
6	9.7	11.2	10.0	29	33	31	7.0	7.0	7.0	7.4	7.6	7.5	17	24	21	7.0	7.0	7.0
7	9.8	10.1	10.0	29	33	31	7.0	7.0	7.0	7.4	7.6	7.5	18	25	22	7.0	7.0	7.0
8	9.6	10.3	10.0	28	37	33	7.0	7.0	7.0	7.4	7.6	7.5	18	24	21	7.0	7.0	7.0
9	9.6	9.9	9.8	27	29	28	7.0	7.0	7.0	7.4	7.6	7.5	18	24	22	7.0	7.0	7.0
10	9.8	10.3	10.1	29	35	33	7.0	7.0	7.0	7.5	7.6	7.6	21	25	23	7.0	7.0	7.0
11	10.1	11.3	10.4	25	36	34	7.0	7.0	7.0	7.5	7.6	7.5	19	25	22	7.0	7.0	7.0
12	9.6	10.3	9.9	32	37	34	7.0	7.0	7.0	7.5	7.6	7.6	21	26	23	7.0	7.0	7.0
13	9.5	9.9	9.7	30	35	32	7.0	7.0	7.0	7.4	7.6	7.5	19	23	21	7.0	7.0	7.0
14	9.7	10.7	10.4	29	36	33	7.0	7.0	7.0	7.4	7.6	7.5	19	24	22	7.0	7.0	7.0
15	10.4	10.8	10.6	31	37	33	7.0	7.0	7.0	7.4	7.6	7.5	18	24	21	7.0	7.0	7.0
16	10.1	10.8	10.4	31	35	33	7.0	7.0	7.0	6.9	7.6	7.5	20	24	22	7.0	7.0	7.0
17	10.2	10.7	10.5	33	41	36	7.0	7.0	7.0	7.5	7.6	7.5	19	25	22	7.0	7.0	7.0
18	10.5	10.8	10.7	34	37	35	7.0	7.0	7.0	7.5	7.6	7.6	19	26	23	7.0	7.0	7.0
19	10.6	11.2	11.0	36	39	38	7.0	7.0	7.0	7.5	7.8	7.6	21	29	24	7.0	7.0	7.0
20	10.3	11.1	10.7	33	37	35	7.0	7.0	7.0	7.5	7.7	7.6	21	27	24	7.0	7.0	7.0
21	10.4	10.9	10.7	33	37	35	7.0	7.0	7.0	7.4	7.6	7.5	19	24	22	7.0	7.0	7.0
22	10.6	11.4	11.1	36	40	38	7.0	7.0	7.0	7.5	7.7	7.6	20	27	23	7.0	7.0	7.0
23	10.7	11.7	11.3	31	41	38	7.0	7.0	7.0	7.4	7.6	7.5	17	23	21	7.0	7.0	7.0
24	10.6	11.5	10.9	30	40	33	7.0	7.0	7.0	7.4	7.6	7.5	17	23	20	7.0	7.0	7.0
25	10.1	11.0	10.6	25	31	29	7.0	7.0	7.0	7.4	7.5	7.4	16	20	18	7.0	7.0	7.0
26	10.4	10.9	10.6	26	32	29	7.0	7.0	7.0	7.4	7.5	7.5	18	21	20	7.0	7.0	7.0
27	10.3	12.8	11.2	28	36	34	7.0	7.0	7.0	7.4	7.6	7.5	17	23	20	7.0	7.0	7.0
28	10.9	11.7	11.3	33	38	35	7.0	7.0	7.0	7.5	7.6	7.6	21	25	23	7.0	7.0	7.0
29	11.0	11.5	11.2	34	37	35	7.0	7.0	7.0	7.5	7.7	7.5	19	26	22	7.0	7.0	7.0
30	10.8	11.2	10.9	33	38	35	7.0	7.0	7.0	7.5	7.7	7.6	22	27	25	7.0	7.0	7.0
Monthly Min/Max/Avg	9.5	12.8	10.5	25	41	33	7.0	7.0	7.0	6.9	7.8	7.5	16	29	22	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

June 2025

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	67.6	67.6	95.7	11,146	16,721	27,867	59,334
2	71.1	71.1	84.1	10,203	17,079	27,281	52,226
3	55.8	55.8	70.5	7,478	13,231	20,709	40,912
4	54.7	55.1	61.1	7,378	13,099	20,478	37,043
5	47.0	47.4	51.2	6,976	12,304	19,280	33,640
6	45.0	45.1	53.4	7,926	13,106	21,032	37,137
7	47.9	47.9	56.9	8,280	14,216	22,495	34,331
8	46.2	46.3	48.1	7,685	13,414	21,099	29,090
9	41.8	41.8	47.8	7,761	12,941	20,702	31,630
10	36.7	36.5	42.0	6,059	10,558	16,617	28,845
11	40.1	40.0	49.4	4,846	7,913	12,760	34,709
12	36.7	36.6	40.8	6,807	11,937	18,744	28,353
13	33.9	34.0	39.0	5,823	10,288	16,111	23,037
14	44.5	44.1	45.8	5,485	10,569	16,055	24,078
15	47.0	47.0	48.0	5,331	10,171	15,502	24,816
16	31.6	31.5	32.1	3,774	7,388	11,162	17,517
17	31.9	31.8	36.4	4,658	7,906	12,564	22,519
18	32.1	32.2	41.9	5,303	7,977	13,280	27,676
19	43.5	43.5	47.1	7,172	10,766	17,938	16,990
20	36.7	36.7	41.6	6,061	9,084	15,145	24,113
21	36.5	36.4	35.2	5,197	8,393	13,591	19,208
22	33.4	33.2	42.7	3,720	6,232	9,953	21,469
23	43.6	43.6	59.6	4,886	7,530	12,416	29,809
24	132	132	158	16,321	27,245	43,565	84,797
25	155	155	155	23,731	37,414	61,146	92,683
26	109	109	117	19,057	27,363	46,419	73,767
27	94.9	94.8	106	14,224	21,791	36,016	65,771
28	71.7	71.7	78.7	10,343	16,254	26,597	45,064
29	61.2	61.2	70.5	8,885	13,935	22,819	39,148
30	53.2	53.2	62.4	8,771	13,159	21,930	35,201
Monthly Total				251,287	409,985	661,272	1,134,915
Monthly Avg	56.1	56.1	63.9	8,376	13,666	22,042	37,831

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 Chemical Consumption

June 2025

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	0.35	0.35	0.18	28	42	70	54
2	0.36	0.36	0.19	25	41	66	56
3	0.36	0.36	0.18	24	42	65	51
4	0.35	0.35	0.20	23	40	63	58
5	0.35	0.35	0.18	25	44	69	57
6	0.35	0.35	0.17	30	49	79	56
7	0.35	0.35	0.17	29	50	80	49
8	0.30	0.30	0.17	24	42	67	49
9	0.30	0.30	0.17	27	45	72	53
10	0.30	0.30	0.17	24	42	66	55
11	0.31	0.31	0.17	18	30	48	56
12	0.31	0.31	0.17	28	49	76	56
13	0.30	0.30	0.17	25	44	69	48
14	0.31	0.31	0.17	18	35	54	42
15	0.32	0.32	0.17	18	34	51	42
16	0.31	0.31	0.17	18	35	53	44
17	0.30	0.30	0.17	21	36	57	50
18	0.30	0.30	0.17	24	36	60	53
19	0.31	0.31	0.17	25	37	62	29
20	0.30	0.30	0.16	24	36	60	46
21	0.30	0.30	0.15	21	34	54	39
22	0.27	0.26	0.15	14	24	38	36
23	0.26	0.26	0.15	14	22	36	35
24	0.35	0.35	0.18	21	35	55	46
25	0.40	0.40	0.19	30	47	76	56
26	0.36	0.37	0.19	31	44	75	58
27	0.38	0.38	0.19	28	42	70	56
28	0.36	0.36	0.21	25	40	65	59
29	0.36	0.36	0.20	25	40	65	54
30	0.35	0.35	0.20	28	42	70	54
Monthly Total				714	1,179	1,894	1,494
Monthly Avg	0.33	0.33	0.17	24	39	63	50

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 Praestol DW 27AG is **1.00 mg/L**

1.2.19 Carbon Chemical Consumption

June 2025

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

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

1.2.20 Sodium Hypochlorite Chemical Consumption

June 2025

Day	Rossdale					E.L. Smith	
	Dosage (mg/L)		Consumption (kg)			Dosage (mg/L)	Consumption (kg)
	Plant 1	Plant 2	Plant 1	Plant 2	Plant Total		
1	3.36	3.36	33,602	50,401	90,983	4.31	170,336
2	3.24	3.23	28,177	47,014	80,507	4.13	163,590
3	3.16	3.15	25,639	45,213	77,482	4.17	154,629
4	3.29	3.25	26,924	46,859	80,322	4.01	155,219
5	3.16	3.15	28,449	49,685	83,328	3.94	165,260
6	3.14	3.10	33,536	54,745	94,785	4.07	180,928
7	3.16	3.11	33,093	55,835	96,870	4.15	159,573
8	3.21	3.21	32,343	56,347	97,162	4.05	156,550
9	3.11	3.11	34,999	58,218	103,224	3.90	164,993
10	3.07	3.03	30,756	53,133	91,028	3.85	168,781
11	3.17	3.18	23,208	38,092	66,505	3.83	171,376
12	3.21	3.30	36,083	65,190	107,137	3.69	163,817
13	3.20	3.19	33,304	58,538	99,275	3.73	140,507
14	3.21	3.22	24,048	46,763	77,200	3.65	122,551
15	3.12	3.12	21,449	41,006	68,673	3.66	120,772
16	3.12	3.07	22,571	43,559	73,314	3.72	129,656
17	3.34	3.30	29,565	49,824	86,077	3.81	150,367
18	3.20	3.21	31,983	48,177	87,416	3.67	154,356
19	3.21	3.22	32,123	48,283	87,438	3.86	88,932
20	3.08	3.09	30,807	46,284	83,695	3.97	146,738
21	3.13	3.10	26,963	43,375	76,884	4.00	139,155
22	3.23	3.17	21,866	36,040	63,536	3.91	125,693
23	3.34	3.30	22,705	34,568	62,763	3.75	119,704
24	3.06	3.02	22,965	37,759	65,086	3.70	126,915
25	2.96	2.96	27,402	43,166	74,162	3.75	143,328
26	2.93	2.87	31,034	43,777	79,878	3.78	151,364
27	3.61	3.51	32,773	48,906	87,309	3.63	144,165
28	3.29	3.14	28,810	43,230	77,081	3.74	136,575
29	3.09	2.93	27,152	40,438	72,190	3.81	135,140
30	2.88	2.85	28,824	42,693	77,528	3.84	138,020
Monthly Total			863,150	1,417,118	2,468,838		4,388,989
Monthly Avg	3.18	3.15	28,772	47,237	82,295	3.87	146,300

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

June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.24	0.14	47	42
2	0.24	0.14	43	42
3	0.24	0.14	41	39
4	0.24	0.14	41	41
5	0.24	0.14	46	45
6	0.24	0.16	53	53
7	0.24	0.16	54	47
8	0.24	0.16	52	47
9	0.24	0.17	56	54
10	0.24	0.19	51	64
11	0.24	0.21	34	72
12	0.24	0.22	59	74
13	0.24	0.21	54	61
14	0.24	0.20	41	51
15	0.24	0.22	37	55
16	0.24	0.22	39	58
17	0.29	0.22	52	67
18	0.29	0.20	56	64
19	0.29	0.20	56	34
20	0.29	0.20	56	56
21	0.29	0.20	51	53
22	0.29	0.24	40	58
23	0.29	0.23	39	56
24	0.29	0.22	44	57
25	0.29	0.19	51	54
26	0.24	0.15	47	46
27	0.24	0.12	40	36
28	0.21	0.12	35	33
29	0.19	0.12	32	32
30	0.19	0.12	36	33
Monthly Total			1,383	1,527
Monthly Avg	0.25	0.18	46	51

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

1.2.22 Aqua Ammonia Chemical Consumption

June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	--	--	--	--
2	--	--	--	--
3	--	--	--	--
4	--	--	--	--
5	--	--	--	--
6	--	--	--	--
7	--	--	--	--
8	--	--	--	--
9	--	--	--	--
10	--	--	--	--
11	--	--	--	--
12	--	--	--	--
13	--	--	--	--
14	--	--	--	--
15	--	--	--	--
16	--	--	--	--
17	--	--	--	--
18	--	--	--	--
19	--	--	--	--
20	--	--	--	--
21	--	--	--	--
22	--	--	--	--
23	0.41	--	286	--
24	0.63	--	495	--
25	0.63	--	587	--
26	0.63	--	636	--
27	0.10	--	89	--
28	--	--	--	--
29	--	--	--	--
30	--	--	--	--
Monthly Total			2,093	--
Monthly Avg	0.48	--	419	--

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

1.2.22-1 LAS Ammonia Chemical Consumption

June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.65	0.59	1,281	1,714
2	0.64	0.59	1,163	1,689
3	0.63	0.59	1,101	1,592
4	0.63	0.59	1,097	1,636
5	0.64	0.60	1,240	1,802
6	0.63	0.61	1,406	1,982
7	0.63	0.61	1,426	1,716
8	0.63	0.61	1,372	1,715
9	0.63	0.61	1,502	1,886
10	0.63	0.61	1,370	1,938
11	0.63	0.61	910	1,987
12	0.63	0.61	1,585	1,988
13	0.63	0.61	1,430	1,657
14	0.63	0.61	1,080	1,493
15	0.63	0.61	984	1,473
16	0.63	0.61	1,045	1,557
17	0.63	0.61	1,181	1,766
18	0.63	0.61	1,241	1,881
19	0.63	0.60	1,241	938
20	0.63	0.61	1,243	1,666
21	0.63	0.61	1,123	1,561
22	0.63	0.61	893	1,442
23	0.28	0.61	374	1,420
24	--	0.61	--	1,531
25	--	0.61	--	1,719
26	--	0.61	--	1,792
27	0.53	0.61	908	1,775
28	0.63	0.61	1,061	1,636
29	0.63	0.61	1,063	1,578
30	0.63	0.61	1,208	1,607
Monthly Total			31,529	50,136
Monthly Avg	0.61	0.61	1,168	1,671

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

June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	9.77	23.5	3,408	13,331
2	12.1	20.5	3,878	11,451
3	11.0	14.4	3,272	7,566
4	8.16	11.9	2,444	6,466
5	7.40	9.12	2,472	5,399
6	6.39	8.62	2,508	5,475
7	5.59	9.00	2,217	4,943
8	5.58	7.43	2,132	4,083
9	5.57	6.79	2,333	4,105
10	4.70	5.64	1,787	3,502
11	4.00	7.47	1,005	4,752
12	4.43	5.83	1,950	3,711
13	3.46	5.65	1,392	2,999
14	5.11	5.60	1,550	2,677
15	6.15	9.08	1,675	4,280
16	4.23	4.32	1,178	2,158
17	2.47	4.18	808	2,365
18	2.23	5.03	772	3,032
19	3.81	6.76	1,326	2,067
20	4.80	6.42	1,673	3,426
21	3.26	4.79	1,048	2,395
22	2.99	4.11	749	1,898
23	2.55	8.31	577	3,776
24	9.95	28.3	2,553	13,871
25	24.4	37.1	7,722	20,453
26	21.5	28.0	7,383	16,068
27	17.6	26.5	5,283	15,068
28	13.2	19.0	3,848	9,947
29	9.28	15.8	2,755	8,020
30	7.73	13.6	2,606	7,025
Monthly Total			74,305	196,309
Monthly Avg	7.65	12.1	2,477	6,544

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
June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.69	0.64	611	833
2	0.69	0.64	561	820
3	0.69	0.64	542	774
4	0.68	0.64	531	794
5	0.67	0.64	584	869
6	0.67	0.64	672	932
7	0.67	0.64	681	806
8	0.67	0.64	656	807
9	0.68	0.64	728	887
10	0.68	0.64	664	911
11	0.68	0.64	441	934
12	0.68	0.64	768	935
13	0.68	0.64	693	779
14	0.68	0.64	520	702
15	0.67	0.64	470	693
16	0.67	0.63	498	726
17	0.66	0.62	556	800
18	0.66	0.61	584	844
19	0.66	0.60	584	419
20	0.66	0.61	585	747
21	0.66	0.61	529	700
22	0.66	0.61	420	646
23	0.66	0.61	403	636
24	0.66	0.61	452	687
25	0.66	0.61	536	771
26	0.66	0.61	581	804
27	0.66	0.61	507	797
28	0.66	0.61	499	734
29	0.66	0.61	500	708
30	0.66	0.61	569	721
Monthly Total			16,928	23,216
Monthly Avg	0.67	0.63	564	774

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

June 2025

Day	Dosage (mg/L)		Consumption (kg)		De-chlorinated Waste Stream to Outfall (ML)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	30.0	14.9	1,039	1,122	13	29
2	31.9	14.3	1,168	1,365	14	36
3	25.2	17.4	778	1,257	12	27
4	20.4	15.2	778	1,412	15	35
5	46.5	18.8	3,609	1,715	30	35
6	19.0	18.9	522	1,622	11	33
7	27.9	19.6	915	1,581	13	33
8	26.0	16.1	918	1,421	14	28
9	28.0	18.1	783	1,518	11	32
10	25.6	14.7	938	1,527	14	39
11	33.3	14.1	2,538	1,421	29	36
12	28.5	16.5	390	1,405	5.3	34
13	30.6	15.2	1,047	1,259	13	32
14	26.1	16.6	1,049	1,278	15	29
15	24.4	15.9	785	1,053	12	25
16	20.4	15.5	654	1,043	12	25
17	20.8	31.2	653	2,249	12	27
18	22.4	18.6	655	1,631	11	33
19	23.3	18.0	787	2,645	13	56
20	23.9	21.7	653	1,171	11	20
21	25.9	18.0	654	1,168	9.7	25
22	29.6	22.3	915	1,239	12	21
23	30.9	17.6	1,316	1,233	16	26
24	17.6	18.1	656	1,193	14	25
25	13.6	18.1	653	1,031	18	22
26	12.6	14.5	654	1,090	20	29
27	20.2	15.4	1,444	1,288	27	32
28	17.2	16.5	918	1,089	20	25
29	9.09	15.0	431	1,101	18	28
30	13.4	17.7	616	1,180	18	25
Monthly Total			28,917	41,309	453	902
Monthly Avg	24.1	17.5	964	1,377	15	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

June 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	Total	De-Chlorin'd Waste Stream 3			De-Chlorin'd Waste Stream 7		
Volume (ML)		288	0.0	101	34	36	459	58.20			394.78		
Solids (kg)	TSS	589,217	0	6,812			596,029						
	Aluminium	28,724	0	2,358			31,082						
# of Bypasses						2		Min	Max	Avg	Min	Max	Avg
pH								6.6	7.9	7.5	6.2	8.1	7.3
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								1.40	20.0	9.32	1.29	20.0	7.87

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

June 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		231	0.0	323	160	35	3.3	29	782	902		
Solids (kg)	TSS	518,349	0	25,181					543,530			
	Aluminium	48,726	0	8,716					57,443			
# of Bypasses						2				Min	Max	Avg
pH										6.77	8.95	7.25
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.23	20.0	9.23

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

June 2025

Month	ROSSDALE ZONE			E.L.SMITH ZONE			SYSTEM TOTAL			RESERVOIR PUMPAGE		
	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Monthly Prod'n (ML)	Max Daily Prod'n (ML)	Peak Daily Demand (ML)	Rossdale Zone (ML)	E.L.Smith Zone (ML)	Total (ML)
JANUARY	3,394	145	135	8,010	280	291	11,403	386	390	1,142	2,586	3,728
FEBRUARY	3,349	132	139	6,985	267	270	10,334	398	382	1,137	2,226	3,363
MARCH	4,366	169	213	7,128	266	264	11,493	427	381	1,542	2,459	4,001
APRIL	4,663	183	185	6,683	253	245	11,346	436	408	1,504	2,550	4,054
MAY	5,287	215	224	7,977	288	313	13,264	488	473	1,847	2,978	4,825
JUNE	5,319	243	240	7,819	309	327	13,137	550	520	1,534	3,286	4,820

2025 - HIGH 5-DAY DEMAND

	PLANTS PROD (ML/d)	RES. GAIN / LOSS (%)	RES. GAIN / LOSS (ML)	TOTAL DEMAND (ML)
08-Jun-2025	477	-3.4	-21.3	499
09-Jun-2025	522	0.4	2.4	520
10-Jun-2025	504	-0.2	-1.2	505
11-Jun-2025	435	-9.6	-60.3	495
12-Jun-2025	550	14.0	88.0	462
			AVERAGE:	496

Year to Date Data	2025	2024	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	70,978	68,248	4.0
AVG. DAILY DEMAND TO DATE (ML)	392	375	4.7
PEAK DAILY DEMAND TO DATE (ML)	520	456	14.0
PEAK HOURLY DEMAND TO DATE (ML)	691	573	20.7
HIGH 5-DAY AVERAGE TO DATE (ML)	496	444	11.7

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

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

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

June 2025

Reservoir	Papaschase 1			Ormsby			Clareview Discharge			Millwoods Discharge			Kaskitayo			Discovery Park		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1.91	1.91	1.91	1.38	1.49	1.44	1.54	1.58	1.56	1.73	1.91	1.78	1.72	1.81	1.76	0.85	0.96	0.88
2	1.30	1.85	1.31	1.38	1.48	1.43	1.50	1.55	1.52	1.70	1.93	1.76	1.70	1.83	1.75	0.75	0.91	0.83
3	1.23	1.74	1.31	1.45	1.54	1.49	1.50	1.53	1.52	1.71	1.83	1.76	1.59	1.78	1.74	0.74	1.19	0.94
4	1.21	1.27	1.26	1.41	1.53	1.47	1.45	1.53	1.50	1.73	1.82	1.77	1.72	1.82	1.76	1.07	1.23	1.15
5	1.25	1.25	1.25	1.40	1.58	1.51	1.41	1.52	1.49	1.73	1.90	1.79	1.64	1.89	1.80	1.06	1.17	1.12
6	1.37	2.15	1.49	1.38	1.52	1.45	1.47	1.57	1.54	1.77	1.93	1.81	1.69	1.93	1.83	0.97	1.10	1.03
7	1.54	1.86	1.55	1.46	1.59	1.54	1.51	1.60	1.58	1.78	1.92	1.83	1.79	1.90	1.83	0.89	0.99	0.94
8	1.57	2.02	1.60	1.43	1.57	1.51	1.51	1.62	1.59	1.73	1.90	1.81	1.65	1.85	1.80	0.80	0.94	0.86
9	1.61	2.02	1.63	1.49	1.65	1.56	1.53	1.58	1.55	1.80	1.90	1.86	1.68	1.89	1.85	1.19	1.26	0.98
10	1.52	1.75	1.53	1.53	1.64	1.58	1.50	1.60	1.57	1.80	1.94	1.86	1.71	1.88	1.83	1.11	1.56	1.33
11	1.41	1.91	1.48	1.47	1.60	1.55	1.49	1.58	1.54	1.75	1.91	1.80	1.74	1.93	1.79	1.29	1.49	1.38
12	--	--	--	1.47	1.58	1.52	1.43	1.58	1.52	1.77	1.90	1.82	1.73	1.91	1.83	1.19	1.41	1.27
13	1.62	1.86	1.63	1.44	1.56	1.51	1.58	1.66	1.63	1.76	1.91	1.82	1.74	1.98	1.78	1.13	1.32	1.19
14	1.57	1.91	1.60	1.36	1.53	1.48	1.56	1.66	1.62	1.69	1.92	1.76	1.72	1.82	1.75	1.04	1.23	1.13
15	1.50	1.91	1.53	1.42	1.51	1.46	1.51	1.60	1.57	1.68	1.90	1.74	1.62	1.83	1.74	0.97	1.16	1.05
16	1.38	1.87	1.45	1.37	1.48	1.43	1.51	1.56	1.54	1.72	1.95	1.77	1.69	1.81	1.73	0.91	1.08	0.99
17	--	--	--	1.36	1.49	1.44	1.47	1.54	1.52	1.73	1.85	1.78	1.59	1.80	1.66	0.92	1.22	1.04
18	--	--	--	1.47	1.53	1.50	1.51	1.65	1.53	1.73	1.83	1.77	1.66	1.80	1.77	1.05	1.23	1.14
19	1.30	1.79	1.33	1.35	1.50	1.45	1.43	1.65	1.62	1.63	1.84	1.64	1.66	1.81	1.73	1.03	1.21	1.10
20	1.31	1.76	1.36	1.41	1.51	1.48	1.57	1.78	1.67	1.70	1.82	1.76	1.54	1.83	1.79	0.99	1.16	1.06
21	1.44	1.69	1.46	1.43	1.53	1.48	1.54	1.75	1.72	1.69	1.83	1.77	1.71	1.82	1.76	0.92	1.11	1.00
22	1.46	1.84	1.48	1.41	1.53	1.48	1.60	1.76	1.67	1.68	1.82	1.74	1.54	1.76	1.70	0.88	1.05	0.96
23	1.41	1.60	1.44	1.39	1.53	1.47	1.54	1.65	1.60	1.66	1.82	1.74	1.66	1.84	1.74	0.84	1.02	0.91
24	1.43	1.94	1.47	1.38	1.49	1.44	1.46	1.59	1.55	1.63	1.80	1.71	1.55	1.80	1.75	0.84	1.40	1.09
25	1.41	2.05	1.54	1.39	1.51	1.48	1.52	1.61	1.57	1.67	1.87	1.75	1.64	1.84	1.76	1.16	1.38	1.25
26	--	--	--	1.47	1.60	1.53	1.45	1.69	1.62	1.70	1.85	1.77	1.62	1.79	1.75	1.09	1.27	1.16
27	1.61	2.02	1.65	1.49	1.59	1.54	1.59	1.68	1.64	1.67	1.81	1.73	1.66	1.80	1.73	1.03	1.21	1.11
28	1.60	1.83	1.61	1.45	1.57	1.52	1.50	1.71	1.67	1.64	1.86	1.70	1.62	1.76	1.70	0.98	1.14	1.06
29	1.51	1.79	1.53	1.40	1.55	1.50	1.55	1.69	1.64	1.65	1.88	1.70	1.64	1.77	1.72	0.89	1.09	0.97
30	1.50	2.01	1.52	1.43	1.55	1.49	1.55	1.66	1.61	1.66	1.78	1.72	1.73	1.80	1.77	0.84	1.00	0.90
Monthly Min/Max/Avg	1.21	2.15	1.50	1.35	1.65	1.49	1.41	1.78	1.58	1.63	1.95	1.77	1.54	1.98	1.76	0.74	1.56	1.06

NOTES: '--' Indication Analyzer Offline

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

June 2025

Reservoir	Rosslyn 1			Londonderry			N. Jasper Place			Rosslyn 2			Thorncliffe			Blackmud Creek		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1				1.39	1.72	1.54				1.28	1.29	1.28				1.14	1.68	1.58
2	1.42	1.44	1.43	1.46	1.68	1.56	1.14	1.66	1.16	1.23	1.30	1.26	1.21	1.94	1.24	1.31	1.67	1.59
3				1.42	1.69	1.53	1.12	1.72	1.18	1.24	1.26	1.25	1.25	1.93	1.28	1.25	1.70	1.63
4	1.34	1.43	1.40	1.39	1.73	1.54	1.12	1.23	1.14	1.22	1.26	1.24	1.16	1.96	1.23	1.24	1.73	1.66
5	1.35	1.41	1.38	1.35	1.64	1.47	1.13	1.76	1.25	1.21	1.24	1.22	1.35	2.01	1.38	1.36	1.77	1.71
6	1.36	1.45	1.41	1.38	1.66	1.49	1.26	1.83	1.28	1.19	1.28	1.23	1.29	2.05	1.31	1.39	1.77	1.73
7				1.45	1.74	1.56	1.36	1.87	1.39	1.29	1.82	1.32	1.51	2.02	1.54	1.46	1.82	1.76
8	1.56	1.56	1.56	1.45	1.71	1.60	1.35	1.84	1.36	1.33	1.89	1.38	1.47	2.01	1.52	1.37	1.78	1.71
9				1.25	1.81	1.62	1.33	1.79	1.45	1.23	1.39	1.36	1.46	2.03	1.50	1.36	1.83	1.74
10	1.36	1.53	1.47	1.43	1.84	1.61	1.23	1.74	1.25	1.24	1.35	1.33	1.40	1.99	1.42	1.29	1.83	1.78
11	1.40	1.47	1.44	1.34	1.67	1.51	1.29	1.82	1.32	1.29	1.64	1.31	1.44	1.95	1.47	1.33	1.79	1.76
12				1.39	1.61	1.47				1.34	2.06	1.38	1.46	1.97	1.56	1.17	1.75	1.71
13	--	--	--	1.36	1.66	1.48	1.34	1.80	1.36	--	--	--	1.44	1.96	1.47	1.32	1.75	1.68
14	--	--	--	1.44	1.68	1.53	1.30	1.78	1.33	1.44	2.09	1.45	--	--	--	1.27	1.71	1.67
15	1.52	1.54	1.53	1.33	1.67	1.48	1.23	1.75	1.25	1.40	2.05	1.43	--	--	--	1.45	1.72	1.66
16	1.50	1.53	1.51	1.34	1.65	1.50	1.19	1.72	1.21	1.33	1.42	1.39	1.25	1.94	1.27	1.13	1.73	1.67
17	1.42	1.48	1.45	1.32	1.66	1.48	1.28	1.82	1.30	1.26	1.36	1.34	--	--	--	1.42	1.73	1.66
18	1.48	1.49	1.49	1.33	1.65	1.44	--	--	--	1.21	1.31	1.29	--	--	--	1.64	1.72	1.67
19	1.45	1.48	1.47	1.31	1.60	1.42	1.17	1.67	1.23	1.29	2.01	1.31	1.25	1.91	1.27	1.47	1.71	1.64
20	--	--	--	1.37	1.61	1.47	1.14	1.65	1.24	1.27	1.36	1.31	--	--	--	1.30	1.66	1.60
21	1.36	1.39	1.37	1.35	1.58	1.44	1.16	1.36	1.18	1.36	2.08	1.40	1.36	2.01	1.43	1.30	1.68	1.65
22	1.36	1.36	1.36	1.32	1.56	1.40	1.11	1.72	1.12	1.35	2.08	1.39	1.37	2.00	1.40	1.51	1.70	1.63
23	1.34	1.47	1.36	1.33	1.58	1.45	--	--	--	1.22	1.35	1.33	1.33	2.00	1.37	1.54	1.71	1.64
24	1.33	1.40	1.12	1.30	1.59	1.45	--	--	--	1.30	1.35	1.24	1.33	1.44	1.29	1.58	1.73	1.67
25	1.40	1.43	1.41	1.35	1.66	1.48	--	--	--	1.28	1.32	1.29	--	--	--	1.60	1.73	1.68
26	1.47	1.54	1.49	1.40	1.67	1.53	--	--	--	1.30	1.76	1.33	1.33	1.99	1.37	1.53	1.74	1.67
27	1.48	1.52	1.50	1.34	1.66	1.48	--	--	--	1.27	2.11	1.34	1.39	1.93	1.42	1.17	1.65	1.62
28	1.46	1.51	1.50	1.34	1.71	1.49	--	--	--	1.30	2.02	1.34	1.34	1.93	1.36	1.49	1.59	1.54
29	1.42	1.51	1.47	1.30	1.62	1.45	1.33	1.72	1.35	1.23	2.09	1.32	1.35	1.93	1.37	1.48	1.55	1.50
30	1.42	1.50	1.47	1.30	1.63	1.48	1.30	1.79	1.32	1.29	1.33	1.31	1.29	1.97	1.31	1.47	1.58	1.53
Monthly Min/Max/Avg	1.33	1.56	1.44	1.25	1.84	1.50	1.11	1.87	1.27	1.19	2.11	1.32	1.16	2.05	1.38	1.13	1.83	1.66

NOTES: '--' Indication Analyzer Offline

1.2.31 Phosphoric Acid Chemical Consumption

June 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	734	1,046
2	0.90	0.90	656	964
3	0.90	0.90	691	1,041
4	0.90	0.90	610	983
5	0.90	0.90	656	1,141
6	0.90	0.90	789	1,122
7	0.90	0.90	811	1,014
8	0.90	0.90	806	1,010
9	0.90	0.69	871	862
10	0.90	0.90	738	1,103
11	0.90	0.90	501	1,163
12	0.90	0.90	920	1,161
13	0.90	0.90	825	987
14	0.90	0.90	602	871
15	0.90	0.90	562	897
16	0.90	0.90	644	897
17	0.90	0.90	655	1,085
18	0.90	0.90	683	1,061
19	0.90	0.86	730	411
20	0.90	0.90	696	1,060
21	0.90	0.90	649	844
22	0.90	0.90	522	874
23	0.89	0.90	465	885
24	0.90	0.90	593	918
25	0.90	0.90	609	1,068
26	0.89	0.79	718	888
27	0.90	0.90	584	1,015
28	0.90	0.90	611	956
29	0.90	0.90	594	931
30	0.90	0.90	695	948
Monthly Total			20,218	29,207
Monthly Avg	0.90	0.89	674	974

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

1.2.32 Summary of Mainbreaks

June 2025

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
2025-06-01 8:08	10201-108 STREET NW	2025-06-05 12:47	762	Steel
2025-06-02 16:57	8111-86 AVENUE NW	2025-06-02 23:20	200	CI
2025-06-08 6:33	12739-136 STREET NW	2025-06-08 15:15	200	AC
2025-06-09 20:16	10567-109 STREET NW	2025-06-09 22:48	150	CI
2025-06-10 14:22	10540-108 STREET NW	2025-06-10 22:38	150	CI
2025-06-11 5:33	10567-109 STREET NW	2025-06-11 15:05	150	CI
2025-06-11 15:05	10567-109 STREET NW	2025-06-11 15:10	150	CI
2025-06-13 10:49	12029-93 STREET NW	2025-06-13 14:20	150	AC
2025-06-15 9:12	9835-112 STREET NW	2025-06-15 15:34	150	CI
2025-06-15 15:36	9816-112 STREET NW	2025-06-15 19:35	150	CI
2025-06-16 12:29	9835-112 STREET NW	2025-06-16 16:50	150	CI
2025-06-16 16:50	9816-112 STREET NW	2025-06-16 17:00	150	CI
2025-06-18 17:19	10060-108 STREET NW	2025-06-21 16:00	762	Steel
2025-06-23 23:59	10003-171 AVENUE NW	2025-06-24 20:59	250	AC
2025-06-24 6:16	9322-150 STREET NW	2025-06-24 17:30	150	CI
2025-06-25 15:30	5304-105B STREET NW	2025-06-26 11:17	150	CI

Month	Total Breaks By Month
Jan-25	25
Feb-25	90
Mar-25	32
Apr-25	23
May-25	11
Jun-25	16
Jul-25	
Aug-25	
Sep-25	
Oct-25	
Nov-25	
Dec-25	
YTD 2025	**197**

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

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

June 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO3/L)	60	112.5	102.0 - 118.0	361	114.9	81.0 - 139.0
Aluminum (mg/L)	2	0.048	0.046 - 0.050	12	0.048	0.021 - 0.087
Arsenic (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	50	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	60	1.6	0.9 - 2.6	362	1.0	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	12	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO3)	60	117.0	108.0 - 132.0	352	116.0	90.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.24	0.09 - 0.43	50	0.19	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	7.0	5.8 - 8.6	50	6.78	4.59 - 14.20
Chlorine total (mg/L)	60	2.14	1.96 - 2.32	362	2.09	1.89 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	50	<0.2	<0.005 - <0.2
Chloroform (µg/L)	60	41.0	23.3 - 82.8	362	17.1	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Colour (TCU)	60	1.0	<0.5 - 1.8	362	0.9	<0.5 - 2.7
Conductivity (µS/cm)	8	410.6	380.0 - 436.0	50	400.0	358.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	12	0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	12	<0.1	<0.09 - <0.1
Fluoride (mg/L)	60	0.70	0.60 - 0.76	361	0.68	0.59 - 0.78
Giardia (cysts/100L)	2	<0.1	<0.1	12	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	1	30.1	30.1	11	17.1	7.8 - 30.4
Iron (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	12	0.002	<0.002 - 0.005
Mercury (µg/L)				4	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.01	<0.01 - 0.03	48	0.07	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	<0.01	48	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	11	<0.0018	<0.0009 - <0.0018
pH	60	8	8	361	8	8
Potassium (mg/L)	2	0.8	0.8	12	1.0	0.6 - 1.9
Sodium (mg/L)	2	15.6	13.9 - 17.3	12	13.9	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	80.6	72.8 - 88.4	50	75.3	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	266.50	266.00 - 267.00	12	224.00	52.00 - 267.00
Total Hardness (mg/L CaCO3)	60	176.9	166.0 - 187.0	362	175.3	131.0 - 212.0
Total Organic Carbon (mg/L)	8	2.2	1.7 - 2.8	50	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	60	42.7	24.7 - 84.7	362	18.2	4.3 - 84.7
Turbidity (NTU)	60	0.06	<0.04 - 0.15	362	0.06	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005

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

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

2.1.3 QUALITY ASSURANCE – June 2025

Drinking water quality must meet the requirements in the Alberta Environment and Protected Areas *Approval-to-Operate* (638-04-01) and the limits set out in the latest version of the Health Canada *Guidelines for Canadian Drinking Water Quality (GCDWQ)*. The latest internet edition of the *GCDWQ* was issued in March 2025. Health Canada updates their on-line document regularly, but they recommend always consulting individual guideline technical documents and guidance documents on Health Canada's website, "Water Quality—Reports and Publications" for the most current information. Guideline limits are listed as Maximum Acceptable Concentrations (MAC), Aesthetic Objectives (AO) or Operational Guidelines (OG). The latest edition of Health Canada's Guidelines includes parameter types, commons sources, health considerations and application of the guideline.

In addition, for treated water in the distribution system, total chlorine residual values under 0.5 mg/L are not necessarily violations of the approval but do require immediate follow-up action and re-sampling. A violation of the current *Approval-to-Operate* (638-04-01) requirements occurs if the chlorine residual in more than 25% of samples collected in a day is < 0.5 mg/L. Alberta Environment and Protected Areas is to be notified of any single positive total coliform sample and follow-up sampling is done according to the *Communication and Action Protocol for Failed Bacteriological Results in Drinking Water*. Any sample that is positive for *E. coli* is also considered a violation and requires follow-up action and re-sampling. A repeat total coliform positive from the same location is also considered a violation.

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

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

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

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

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

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

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

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

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

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

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

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

2.1.4.5 **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	14	16
Total Variances + Violations	14 + 0 = 14	16 + 0 = 16

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

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

Variance Category[1]	This Month	YTD
Turbidity > 1 NTU	15	53
Chlorine < 1 mg/L or > 2.4 mg/L	1	6
Single Positive Coliform	1	2
THMs > 50 µg/L	6	7
Pipe Lube, Odour, UV positive	0	1
Aluminum[2] > 0.20 (or 0.1) mg/L	6	16
Iron > 0.10 mg/L	1	12
Other	0	0
Total Variances + Violations	30 + 0 = 30	97 + 0 = 97

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

2.2.1 BACTERIOLOGICAL DATA

Water Treatment Plants

June 2025

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Cellular ATP (pg/mL)	1	35.8	35.8	4	74.6	21.5 - 158.5
Coliforms total (MPN/100 mL)	4	507.3	75.9 - 1553.1	29	446.5	21.3 - 4962.0
E. coli (MPN/100 mL)	4	20.9	29.5 - 46.5	29	8.9	1.0 - 82.0
Rossdale Raw						
Cellular ATP (pg/mL)	1	54.5	54.5	6	58.2	7.6 - 128.0
Coliforms total (MPN/100 mL)	30	1126.2	22.8 - 10950.0	181	703.5	21.6 - 10950.0
E. coli (MPN/100 mL)	30	63.2	2.0 - 466.0	181	47.5	1.0 - 3328.0
EL Smith Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.9	181	0.1	<0.10 - 1.6
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.3	181	0.1	<0.10 - 1.3
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.3	181	0.1	<0.10 - 1.8
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.3	181	0.1	<0.10 - 0.5
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

June 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	132	0.3	<0.10 - 7.0	723	0.2	<0.10 - 10.0
Chlorine total (mg/L)	229	1.70	0.73 - 2.19	1320	1.84	0.19 - 2.34
Coliforms total (MPN/100 mL)	4	Not Detected	Not Detected	14	Not Detected	Not Detected
Coliforms total (PA/100mL)	225	-VE	+VE	1306	-VE	+VE - -VE
E. coli (MPN/100 mL)	4	Not Detected	Not Detected	14	Not Detected	Not Detected
E. coli (PA/100mL)	225	-VE	-VE	1306	-VE	-VE
Turbidity (NTU)	229	0.28	0.05 - 3.26	1320	0.21	<0.04 - 6.84

225

Count of Bacteriological Tests

107%

Percent of Target Sampling (210)

48%

Analyzed by AHS

52%

Analyzed by Epcor

PROJECT_NAME Distribution Water Outlying Field Reservoirs

2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

June 2025

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

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	6	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	6	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	30	1.0	<0.5 - 1.7	181	1.0	<0.5 - 2.7	(15.0)	10.0
Conductivity (µS/cm)	4	403.0	380.0 - 425.0	25	398.5	358.0 - 442.0		
pH	30	8	8	180	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	267.00	267.00	6	239.50	211.00 - 267.00	(500.00)	
Turbidity (NTU)	30	0.06	<0.04 - 0.08	181	0.05	<0.04 - 0.10	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.067	0.067	6	0.062	0.054 - 0.067	2.000	
Boron (mg/L)	1	0.011	0.011	6	0.012	0.008 - 0.019	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	25	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.35	0.30 - 0.43	25	0.28	0.1 - 0.49	1.00	
Chlorine total (mg/L)	30	2.23	2.14 - 2.32	181	2.12	1.93 - 2.32		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	25	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				2	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.72	0.63 - 0.76	180	0.71	0.63 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.01	<0.01	24	0.07	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	24	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	6	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				2	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				2	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				2	<0.10	<0.10	5.0	
Benzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				2	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				2	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)				2	<0.10	<0.10	90.00	
Cyanazine (µg/L)				2	<0.100	<0.100		
Diazinon (µg/L)				2	<0.0250	<0.0250		
Dicamba (µg/L)				2	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)				2	<0.20	<0.20		
Diclofop-methyl (µg/L)				2	<0.100	<0.100		
Dimethoate (µg/L)				2	<0.050	<0.050	20.000	
Diquat (µg/L)				2	<1.0	<1.0	50.0	
Diuron (µg/L)				2	<0.050	<0.050		
Ethylbenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				2	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)				5	17.2	11.1 - 30.4	80.0	40.0
Malathion (µg/L)				2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	0.8	<0.5 - 1.0	181	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				2	<0.0250	<0.0250		
Metribuzin (µg/L)				2	<0.100	<0.100	80.00	
Microcystin total (µg/L)				2	0.16	<0.15 - 0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				2	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)				5	<0.0016	<0.0009 - <0.0016	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				2	<0.16	<0.16		
Pentachlorophenol (µg/L)				2	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				2	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				2	<2.0	<2.0	2.0	
Phorate (µg/L)				2	<0.250	<0.250		
Picloram (µg/L)				2	<0.50	<0.10 - <0.50		
Simazine (µg/L)				2	<0.100	<0.100		
Terbufos (µg/L)				2	<0.50	<0.50		
Tetrachloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				2	<0.50	<0.50		
Toluene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				2	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				2	<0.10	<0.10		
Trihalomethanes (µg/L)	30	44.4	24.7 - 84.7	181	19.8	4.3 - 84.7	100.0	50.0
Vinyl Chloride (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	110.9	102.0 - 118.0	180	114.2	81.0 - 139.0		
Aluminum (mg/L)	1	0.050	0.050	6	0.048	0.021 - 0.087	2.900 (0.100)	
Ammonia as NH3 (mg/L)	13	0.10	0.06 - 0.14	110	0.11	0.01 - 0.18		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	25	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	46.6	46.6	6	47.6	43.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	30	116.9	108.0 - 132.0	181	116.1	90.0 - 136.0		
Chloride Dissolved (mg/L)	4	7.0	5.8 - 8.6	25	7.09	4.59 - 14.20	(250.00)	
Chlorine free (mg/L)				5	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	6	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)	1	13.7	13.7	6	14.5	12.6 - 17.2		
Manganese (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	6	0.0007	0.0006 - 0.0010		
Nickel (mg/L)	1	0.0005	0.0005	6	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)				5	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	6	<0.02	<0.02		
Potassium (mg/L)	1	0.8	0.8	6	1.0	0.6 - 1.9		
Silicon (mg/L)	1	2.44	2.44	6	2.22	1.92 - 2.45		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	13.9	13.9	6	13.2	6.8 - 19.6	(200.0)	
Strontium (mg/L)	1	0.393	0.393	6	0.439	0.367 - 0.480	7.000	
Sulphate Dissolved (mg/L)	4	78.0	72.8 - 86.3	25	73.7	59.3 - 105.0	(500.0)	
Sulphide (mg/L)				2	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	30	176.6	166.0 - 187.0	181	175.2	131.0 - 209.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	30	0.44	<0.40 - 0.50	181	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	30	0.39	<0.30 - 0.50	181	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)				5	8.83	5.56 - 15.30		
Total Volatile Organics (Non THM) (µg/L)	13	1.3	<1.0 - 1.8	154	1.4	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	2.2	1.7 - 2.8	25	1.6	0.8 - 3.4		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Styrene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)				5	<1.00	<1.00		
Monobromoacetic acid (µg/L)				5	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	11.8	<1.0 - 20.0	181	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)				5	8.42	4.94 - 15.10		
Dibromochloromethane (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)				5	<1.00	<1.00		
Chloroform (µg/L)	30	42.6	23.5 - 82.8	181	18.6	3.6 - 82.8	(40.0)	
Bromoform (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	30	1.7	1.1 - 2.6	181	1.1	<0.5 - 2.6		
Bromochloroacetic acid (µg/L)				5	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)	1	<40	<40	1	<40	<40	7000.00	
Strontium-90 (Bq/L)	1	<0.05	<0.05	1	<0.05	<0.05	5.00	
Radium-226 (Bq/L)	1	0.007	0.007	1	0.007	0.007	0.500	
Lead-210 (Bq/L)	1	<0.02	<0.02	1	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)	1	<0.6	<0.6	1	<0.6	<0.6	6.0	
Gross Beta (Bq/L)	1	0.17	0.17	1	0.17	0.17		
Gross Alpha (Bq/L)	1	<0.12	<0.12	1	<0.12	<0.12		
Cesium-137 (Bq/L)	1	<0.09	<0.09	1	<0.09	<0.09	10.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	181	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	6	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	30	-VE	-VE	181	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	6	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	30	1.0	<0.5 - 1.8	181	0.9	<0.5 - 1.8	(15.0)	10.0
Conductivity (µS/cm)	4	418.3	400.0 - 436.0	25	401.6	359.0 - 476.0		
pH	30	8	8	181	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	266.00	266.00	6	208.50	52.00 - 266.00	(500.00)	
Turbidity (NTU)	30	0.06	<0.04 - 0.15	181	0.06	<0.04 - 0.52	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.066	0.066	6	0.061	0.053 - 0.066	2.000	
Boron (mg/L)	1	0.011	0.011	6	0.012	0.008 - 0.016	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	25	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.13	0.09 - 0.16	25	0.11	<0.1 - 0.16	1.00	
Chlorine total (mg/L)	30	2.05	1.96 - 2.15	181	2.07	1.89 - 2.21		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	25	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				2	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.68	0.60 - 0.73	181	0.66	0.59 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.02	0.01 - 0.03	24	0.07	0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	24	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	6	0.0003	0.0002 - 0.0004	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				2	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				2	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				2	<0.10	<0.10	5.0	
Benzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				2	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				2	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)				2	<0.10	<0.10	90.00	
Cyanazine (µg/L)				2	<0.100	<0.100		
Diazinon (µg/L)				2	<0.0250	<0.0250		
Dicamba (µg/L)				2	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)				2	<0.20	<0.20		
Diclofop-methyl (µg/L)				2	<0.100	<0.100		
Dimethoate (µg/L)				2	<0.050	<0.050	20.000	
Diquat (µg/L)				2	<1.0	<1.0	50.0	
Diuron (µg/L)				2	<0.050	<0.050		
Ethylbenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				2	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	30.1	30.1	6	17.0	7.8 - 30.1	80.0	40.0
Malathion (µg/L)				2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	0.8	<0.5 - 1.0	181	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				2	<0.0250	<0.0250		
Metribuzin (µg/L)				2	<0.100	<0.100	80.00	
Microcystin total (µg/L)				2	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				2	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	6	<0.0018	<0.0009 - <0.0018	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				2	<0.16	<0.16		
Pentachlorophenol (µg/L)				2	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				2	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				2	<2.0	<2.0	2.0	
Phorate (µg/L)				2	<0.250	<0.250		
Picloram (µg/L)				2	<0.50	<0.10 - <0.50		
Simazine (µg/L)				2	<0.100	<0.100		
Terbufos (µg/L)				2	<0.50	<0.50		
Tetrachloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				2	<0.50	<0.50		
Toluene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				2	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				2	<0.10	<0.10		
Trihalomethanes (µg/L)	30	40.9	25.0 - 64.5	181	16.6	4.3 - 64.5	100.0	50.0
Vinyl Chloride (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	114.2	109.0 - 118.0	181	115.5	90.0 - 138.0		
Aluminum (mg/L)	1	0.046	0.046	6	0.048	0.021 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	13	0.09	0.07 - 0.11	110	0.09	0.01 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	25	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.5	47.5	6	47.9	44.1 - 54.9		
Calcium Hardness (mg/L CaCO3)	30	117.2	112.0 - 129.0	181	116.2	92.0 - 137.0		
Chloride Dissolved (mg/L)	4	7.0	6.7 - 7.3	25	6.46	5.02 - 8.96	(250.00)	
Chlorine free (mg/L)				5	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0032	0.0032	6	0.0032	0.0027 - 0.0037		
Magnesium (mg/L)	1	13.8	13.8	6	14.5	12.9 - 17.1		
Manganese (mg/L)	1	<0.002	<0.002	6	0.003	<0.002 - 0.005	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	6	0.0007	0.0005 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)				5	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	6	<0.02	<0.02		
Potassium (mg/L)	1	0.8	0.8	6	1.0	0.6 - 1.8		
Silicon (mg/L)	1	2.39	2.39	6	2.18	1.90 - 2.45		
Silver (mg/L)	1	<0.00002	<0.00002	6	<0.00002	<0.00002		
Sodium (mg/L)	1	17.3	17.3	6	14.7	6.3 - 27.2	(200.0)	
Strontium (mg/L)	1	0.402	0.402	6	0.436	0.369 - 0.475	7.000	
Sulphate Dissolved (mg/L)	4	83.2	75.8 - 88.4	25	76.9	60.7 - 116.0	(500.0)	
Sulphide (mg/L)				2	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	6	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	30	177.2	166.0 - 186.0	181	175.4	136.0 - 212.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	6	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	6	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	6	<0.001	<0.001		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	30	0.44	<0.40 - 0.50	181	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	30	0.39	<0.30 - 0.50	181	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	15.20	15.20	6	8.49	3.92 - 15.20		
Total Volatile Organics (Non THM) (µg/L)	13	1.4	<1.0 - 1.8	154	1.3	<1.0 - 3.8		
Total Organic Carbon (mg/L)	4	2.2	1.8 - 2.7	25	1.5	0.8 - 3.1		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Styrene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	6	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	6	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	11.8	<1.0 - 20.0	181	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	1	14.90	14.90	6	8.51	3.91 - 14.90		
Dibromochloromethane (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	6	<1.00	<1.00		
Chloroform (µg/L)	30	39.4	23.3 - 62.8	181	15.6	3.5 - 62.8	(40.0)	
Bromoform (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	30	1.5	0.9 - 2.0	181	0.9	<0.5 - 2.0		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	6	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)	1	<40	<40	1	<40	<40	7000.00	
Strontium-90 (Bq/L)	1	<0.05	<0.05	1	<0.05	<0.05	5.00	
Radium-226 (Bq/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.500	
Lead-210 (Bq/L)	1	<0.02	<0.02	1	<0.02	<0.02	0.20	
Iodine-131 (Bq/L)	1	<0.4	<0.4	1	<0.4	<0.4	6.0	
Gross Beta (Bq/L)	1	0.09	0.09	1	0.09	0.09		
Gross Alpha (Bq/L)	1	<0.12	<0.12	1	<0.12	<0.12		
Cesium-137 (Bq/L)	1	<0.2	<0.2	1	<0.2	<0.2	10.0	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
EL Smith Combined Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	94.2	90.4	181	97.6	90.2 - 97.6		
UV Absorbance (UV Abs/cm)	30	0.035	0.026 - 0.044	181	0.024	0.011 - 0.045		
EL Smith Treated								
Turbidity (NTU)	30	0.06	<0.04 - 0.08	181	0.05	<0.04 - 0.10	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	94.5	89.6	181	97.2	89.2 - 97.2		
UV Absorbance (UV Abs/cm)	30	0.034	0.025 - 0.048	181	0.025	0.013 - 0.050		
Rossdale Treated								
Turbidity (NTU)	30	0.06	<0.04 - 0.08	181	0.05	<0.04 - 0.11	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	0.8	<0.5 - 1.0	181	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	38.2	16.4 - 70.0	181	14.4	3.3 - 70.0	100.0	50.0
Xylenes total (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Benzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	0.8	<0.5 - 1.0	181	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	39.4	20.9 - 82.4	181	17.0	4.9 - 82.4	100.0	50.0
Xylenes total (µg/L)	30	0.72	<0.50 - 1.00	181	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Inorganics								
EL Smith Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	25	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.13	0.09 - 0.16	25	0.11	<0.1 - 0.16	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	25	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.02	0.01 - 0.04	24	0.07	0.01 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	24	0.01	<0.01 - 0.01	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	25	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.34	0.30 - 0.39	25	0.28	0.1 - 0.41	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	25	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.02	<0.01 - 0.02	24	0.07	<0.01 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	24	0.01	<0.01 - 0.01	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	13	0.07	<0.05 - 0.10	110	0.09	<0.05 - 0.14		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	25	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	7.1	6.5 - 7.4	25	6.43	4.84 - 8.93	(250.00)	
Sulphate Dissolved (mg/L)	4	86.9	75.8 - 106.0	25	77.5	60.5 - 114.0	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	13	0.08	<0.05 - 0.12	110	0.12	<0.05 - 1.00		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	25	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	6.8	5.6 - 8.2	25	7.83	4.55 - 16.30	(250.00)	
Sulphate Dissolved (mg/L)	4	78.4	75.4 - 83.5	25	73.8	59.2 - 104.0	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	30	1.3	0.7 - 1.7	181	0.7	<0.5 - 1.7		
Bromoform (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	36.9	15.5 - 68.5	181	13.6	2.5 - 68.5	(40.0)	
Dibromochloromethane (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	11.8	<1.0 - 20.0	181	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	13	1.2	<1.0 - 1.5	154	1.4	<1.0 - 3.9		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	0.39	<0.30 - 0.50	181	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	0.44	<0.40 - 0.50	181	<0.5	<0.40 - <0.5		
Rossdale Treated								
Bromodichloromethane (µg/L)	30	1.5	0.8 - 2.3	181	1.0	<0.5 - 2.3		
Bromoform (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	37.9	19.9 - 80.6	181	15.9	3.5 - 80.6	(40.0)	
Dibromochloromethane (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	11.8	<1.0 - 20.0	181	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	13	1.3	<1.0 - 1.7	154	1.3	<1.0 - 3.5		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.50	<0.5	181	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	0.39	<0.30 - 0.50	181	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	0.44	<0.40 - 0.50	181	<0.5	<0.40 - <0.5		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	4	Not Detected	Not Detected	14	Not Detected	Not Detected		
Coliforms total (PA/100mL)	174	-VE	+VE	984	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	4	Not Detected	Not Detected	14	Not Detected	Not Detected		
E. coli (PA/100mL)	174	-VE	-VE	984	-VE	-VE	0.0	
Physical								
Colour (TCU)				2	0.7	<0.5 - 0.8	(15.0)	10.0
pH	52	8	8	60	8	8		7 - 8
Total Dissolved Solids (mg/L)				2	217.50	209.00 - 226.00	(500.00)	
Turbidity (NTU)	178	0.29	0.05 - 3.26	998	0.23	<0.04 - 6.84	(3.00)	1.00
UV Absorbance (UV Abs/cm)				2	0.025	0.022 - 0.027		
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.058	0.050 - 0.069	2.000	
Boron (mg/L)				3	0.009	0.008 - 0.011	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	8	<0.005	<0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.23	0.16 - 0.30	8	0.17	0.09 - 0.31	1.00	
Chlorine total (mg/L)	178	1.74	0.73 - 2.19	998	1.85	0.19 - 2.34		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	8	<0.005	<0.005	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				2	<0.002	<0.002	0.2000	
Fluoride (mg/L)				2	0.69	0.65 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Mercury (mg/L)				2	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	52	0.02	0.01 - 0.08	60	0.03	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	52	0.01	<0.01 - 0.04	60	0.01	<0.01 - 0.04	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0006	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				2	<0.250	<0.050 - <0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				2	<0.250	<0.050 - <0.250	350.000	
Atrazine + metabolites (µg/L)				2	<0.10	<0.10	5.0	
Benzene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				2	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				2	<0.250	<0.050 - <0.250	30.000	
Carbon Tetrachloride (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)				2	<0.10	<0.10	90.00	
Cyanazine (µg/L)				2	<0.100	<0.100		
Diazinon (µg/L)				2	<0.0250	<0.0250		
Dicamba (µg/L)				2	<0.50	<0.10 - <0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,4) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)				2	<0.20	<0.20		
Diclofop-methyl (µg/L)				2	<0.100	<0.100		
Dimethoate (µg/L)				2	<0.050	<0.050	20.000	
Diquat (µg/L)				2	<1.0	<1.0	50.0	
Diuron (µg/L)				2	<0.050	<0.050		
Ethylbenzene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				2	<1.00	<0.20 - <1.00	280.00	
Haloacetic acids total (HAA5) (µg/L)	6	32.6	30.7 - 34.6	35	17.8	7.7 - 34.6	80.0	40.0
Malathion (µg/L)				2	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	6	<1.00	<1.00	35	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				2	<0.0250	<0.0250		
Metribuzin (µg/L)				2	<0.100	<0.100	80.00	
Microcystin total (µg/L)				2	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				2	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.00187	0.00135 - 0.00291	18	0.00291	<0.0009 - 0.00291	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				2	<0.16	<0.16		
Pentachlorophenol (µg/L)				2	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				2	<2.0	<2.0	2.0	
Perfluorooctanoic Acid (ng/L)				2	<2.0	<2.0	2.0	
Phorate (µg/L)				2	<0.250	<0.250		
Picloram (µg/L)				2	<0.50	<0.10 - <0.50		
Simazine (µg/L)				2	<0.100	<0.100		
Terbufos (µg/L)				2	<0.50	<0.50		
Tetrachloroethylene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				2	<0.50	<0.50		
Toluene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				2	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				2	<0.10	<0.10		
Trihalomethanes (µg/L)	6	45.4	38.3 - 48.7	35	19.0	5.1 - 48.7	100.0	50.0
Vinyl Chloride (µg/L)	6	<0.50	<0.50	35	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	6	<0.50	<0.50	35	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	116.5	109.0 - 124.0		
Aluminum (mg/L)				3	0.116	0.012 - 0.267	2.900 (0.100)	
Ammonia as NH3 (mg/L)	52	0.18	0.10 - 0.26	60	0.17	0.09 - 0.26		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	8	<0.03	<0.03		
Calcium (mg/L)				3	50.7	47.7 - 54.7		
Chloride Dissolved (mg/L)	2	6.6	6.2 - 7.1	8	6.8	5.2 - 11.1	(250.0)	
Chlorine free (mg/L)				2	<0.07	<0.07		
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	0.004	<0.002 - 0.005	2.000 (1.000)	
Iron (mg/L)				3	0.040	<0.005 - 0.110	(0.100)	
Lithium (mg/L)				3	0.0036	0.0029 - 0.0048		
Magnesium (mg/L)				3	15.3	14.2 - 16.0		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0007		
Nickel (mg/L)				3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	52	0.88	0.72 - 1.04	58	0.89	0.72 - 1.04		
Phosphorus (mg/L)				3	1.05	0.94 - 1.18		
Potassium (mg/L)				3	0.9	0.7 - 1.1		
Silicon (mg/L)				3	2.18	1.97 - 2.45		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	13.0	7.0 - 20.8	(200.0)	
Strontium (mg/L)				3	0.476	0.465 - 0.484	7.000	
Sulphate Dissolved (mg/L)	2	81.2	80.7 - 81.6	8	72.7	63.1 - 81.6	(500.0)	
Sulphide (mg/L)				2	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				2	176.5	174.0 - 179.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

June 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	6	1.44	1.21 - 1.73	35	1.0	0.6 - 1.7		
Bromoform (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	6	43.97	37.00 - 47.30	35	17.9	4.4 - 47.3		
Dibromoacetic acid (µg/L)	6	<1.00	<1.00	35	<1.00	<1.00		
Dibromochloromethane (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	6	15.47	14.30 - 16.40	35	8.87	3.92 - 16.40		
Dichlorobenzene (1,3) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Methoxychlor (µg/L)				2	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	6	<20	<20	35	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50	(15.0)	
Monobromoacetic acid (µg/L)	6	<1.00	<1.00	35	<1.00	<1.00		
Monochloroacetic acid (µg/L)	6	1.24	1.07 - 1.44	35	1.04	<1.00 - 1.44		
Styrene (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	36	2.0	1.7 - 2.6	44	1.9	0.9 - 2.6		
Total Volatile Organics (Non THM) (µg/L)				29	1.2	<1.0 - 2.3		
Trichloroacetic acid (µg/L)	6	15.87	15.20 - 16.80	35	8.69	3.81 - 16.80		
Trichlorobenzene (1,2,4) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	6	<0.50	<0.50	35	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	6	<0.30	<0.30	35	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	6	<0.40	<0.40	35	<0.5	<0.40 - <0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	10	1.0	<0.5 - 1.6	66	0.9	<0.5 - 2.2	(15.0)	10.0
pH	10	8	8	66	8	8		7 - 8
Turbidity (NTU)	10	0.55	0.10 - 1.82	66	0.52	0.04 - 2.90	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	10	0.0005	<0.0005	66	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	10	0.0002	<0.0002	66	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	10	0.070	0.064 - 0.076	66	0.064	0.052 - 0.098	2.000	
Boron (mg/L)	10	0.010	0.009 - 0.012	66	0.014	0.008 - 0.042	5.000	
Cadmium (mg/L)	10	<0.00002	<0.00002	66	0.00002	<0.00002	0.00700	
Chlorine total (mg/L)	10	1.66	1.39 - 1.93	66	1.79	1.28 - 2.14		1.00 - 2.40
Chromium (mg/L)	10	0.0002	<0.0002	66	0.0002	<0.0002	0.0500	
Lead (mg/L)	10	0.0003	<0.0002 - 0.0013	66	0.0002	<0.0002 - 0.0018	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002		
Selenium (mg/L)	10	0.0002	0.0002 - 0.0003	66	0.0002	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	10	0.0005	<0.0005	66	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,4) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	10	0.8	<0.5 - 1.0	66	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	10	37.0	30.3 - 47.3	66	20.6	5.4 - 50.5	100.0	50.0
Vinyl Chloride (µg/L)	10	0.75	<0.50 - 1.00	66	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	10	0.75	<0.50 - 1.00	66	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	10	1.4	1.3 - 2.4	66	1.1	<0.5 - 2.4		
Bromoform (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	10	35.5	28.8 - 44.9	66	19.4	4.7 - 49.2		
Dibromochloromethane (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	10	10.5	<1.0 - 20.0	66	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50	(15.0)	
Styrene (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	5	1.1	<1.0 - 1.5	48	1.2	<1.0 - 3.1		
Trichlorobenzene (1,2,4) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	10	<0.50	<0.5	66	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	10	0.40	<0.30 - 0.50	66	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	10	0.45	<0.40 - 0.50	66	<0.5	<0.40 - <0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	10	0.142	0.016 - 0.418	66	0.110	0.012 - 1.280	2.900 (0.100)	
Beryllium (mg/L)	10	0.0002	<0.0002	66	0.0002	<0.0002		
Calcium (mg/L)	10	49.8	47.1 - 54.5	66	48.8	41.7 - 56.7		
Calcium Hardness (mg/L CaCO3)				1	126.0	126.0		
Chlorine free (mg/L)				1	<0.07	<0.07		
Cobalt (mg/L)	10	0.0002	<0.0002	66	0.0002	<0.0002 - 0.0004		
Copper (mg/L)	10	0.002	<0.002 - 0.004	66	0.003	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)	10	0.055	<0.005 - 0.323	66	0.082	<0.005 - 0.894	(0.100)	
Lithium (mg/L)	10	0.0036	0.0033 - 0.0040	66	0.0035	0.0024 - 0.0052		
Magnesium (mg/L)	10	14.6	13.3 - 15.1	66	14.2	12.0 - 17.2		
Manganese (mg/L)	10	0.002	<0.002 - 0.003	66	0.003	<0.002 - 0.012	0.120 (0.020)	
Molybdenum (mg/L)	10	0.0007	0.0007 - 0.0008	66	0.0007	0.0005 - 0.0010		
Nickel (mg/L)	10	0.0005	<0.0005 - 0.0007	66	0.0006	<0.0005 - 0.0013		
Phosphorus (mg/L)	10	1.03	0.91 - 1.20	66	1.03	0.84 - 1.92		
Potassium (mg/L)	10	0.9	0.8 - 1.0	66	1.2	0.6 - 2.6		
Silicon (mg/L)	10	1.66	1.37 - 2.37	66	2.12	1.37 - 2.84		
Silver (mg/L)	10	<0.00002	<0.00002	66	0.00002	<0.00002		
Sodium (mg/L)	10	12.5	11.3 - 15.6	66	14.9	6.0 - 36.9	(200.0)	
Strontium (mg/L)	10	0.463	0.443 - 0.486	66	0.443	0.350 - 0.495	7.000	
Thallium (mg/L)	10	0.0002	<0.0002	66	0.0002	<0.0002		
Tin (mg/L)	10	0.0005	<0.0005	66	0.0005	<0.0005		
Titanium (mg/L)	10	0.0005	<0.0005	66	0.0005	<0.0005 - 0.0005		
Total Hardness (mg/L CaCO3)	10	184.4	176.0 - 191.0	65	180.3	154.0 - 211.0		
Vanadium (mg/L)	10	0.0005	<0.0005	66	0.0005	<0.0005		
Zinc (mg/L)	10	<0.005	<0.005	66	0.005	<0.005 - 0.013	(5.000)	
Zirconium (mg/L)	10	0.001	<0.001	66	0.001	<0.001		

2.2.8 Castledowns Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	3	0.8	0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	437.0	437.0	3	416.0	403.0 - 437.0		
pH	3	8	8	5	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.07 - 0.16	25	0.10	0.06 - 0.17	(3.00)	1.00
Primary Organics								
Benzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	58.6	58.6	3	27.7	7.6 - 58.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	90.00 (20.00)	
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	0.069	0.069	3	0.063	0.055 - 0.069	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.012	0.009 - 0.017	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	0.17	0.17	3	0.13	0.10 - 0.17	1.00	
Chlorine total (mg/L)	4	1.59	1.55 - 1.66	25	1.80	1.40 - 2.10		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	0.69	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	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.01 - 0.03	5	0.06	0.01 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	5	0.01	<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	

2.2.8 Castledowns Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	112.0	112.0	3	116.3	109.0 - 128.0		
Aluminum (mg/L)	1	0.050	0.050	3	0.048	0.016 - 0.077	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.17	0.16 - 0.18	25	0.14	0.09 - 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	47.2	47.2	3	49.3	46.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	3	123.3	117.0 - 135.0		
Chloride Dissolved (mg/L)	1	7.3	7.3	3	6.8	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	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0028	0.0028	3	0.0031	0.0028 - 0.0036		
Magnesium (mg/L)	1	13.6	13.6	3	14.8	13.6 - 16.7		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0008	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0006	0.0006	3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.87	0.80 - 0.92	25	0.91	0.80 - 0.96		
Phosphorus (mg/L)	1	0.98	0.98	3	0.98	0.97 - 0.98		
Potassium (mg/L)	1	1.1	1.1	3	1.1	0.8 - 1.5		
Silicon (mg/L)	1	2.15	2.15	3	2.18	1.96 - 2.43		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	23.3	23.3	3	15.1	7.7 - 23.3	(200.0)	
Strontium (mg/L)	1	0.399	0.399	3	0.441	0.399 - 0.466	7.000	
Sulphate Dissolved (mg/L)	1	92.2	92.2	3	82.1	74.7 - 92.2	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	174.0	174.0	3	184.3	174.0 - 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)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.8 Castledowns Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.54	1.54	3	1.1	0.8 - 1.5		
Bromoform (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	57.10	57.10	3	26.5	6.8 - 57.1		
Dibromochloromethane (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	(15.0)	
Styrene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.3	1.8 - 2.8	4	1.8	1.0 - 2.8		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	3	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	3	<0.5	<0.40 - <0.5		

2.2.9 Clareview Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	1.0	0.8 - 1.3	(15.0)	10.0
Conductivity (µS/cm)				3	390.3	366.0 - 419.0		
pH	2	8	8	5	8	8		7 - 8
Turbidity (NTU)	4	0.16	0.12 - 0.18	25	0.16	0.08 - 0.97	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.060	0.055 - 0.064	2.000	
Boron (mg/L)				3	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.20	0.1 - 0.26	1.00	
Chlorine total (mg/L)	4	1.66	1.55 - 1.76	25	1.86	1.55 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.69	0.66 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.02	0.02	5	0.07	0.02 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	5	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				3	0.0002	0.0002	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	18.7	11.3 - 31.3	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	116.0	109.0 - 123.0		
Aluminum (mg/L)				3	0.051	0.032 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.18	0.16 - 0.20	25	0.15	0.10 - 0.20		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.05	<0.03 - <0.05		
Calcium (mg/L)				3	46.5	46.2 - 46.7		
Calcium Hardness (mg/L CaCO3)				3	116.3	115.0 - 117.0		
Chloride Dissolved (mg/L)				3	7.89	5.14 - 12.00	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	0.014	0.010 - 0.016	(0.100)	
Lithium (mg/L)				3	0.0034	0.0030 - 0.0038		
Magnesium (mg/L)				3	14.5	14.2 - 14.8		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0008	0.0006 - 0.0011		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.88	0.86 - 0.90	25	0.90	0.86 - 0.92		
Phosphorus (mg/L)				3	0.94	0.93 - 0.96		
Potassium (mg/L)				3	1.3	0.7 - 2.2		
Silicon (mg/L)				3	1.96	1.86 - 2.11		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	12.2	6.5 - 18.4	(200.0)	
Strontium (mg/L)				3	0.453	0.432 - 0.479	7.000	
Sulphate Dissolved (mg/L)				3	71.1	60.8 - 81.2	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	176.0	174.0 - 178.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.9 Clareview Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.3	0.9 - 1.6		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	17.4	9.6 - 29.9		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.8	1.8	4	1.6	1.0 - 2.3		
Total Volatile Organics (Non THM) (µg/L)				3	1.5	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.10 Discovery Park Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.6	0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)				3	388.3	371.0 - 406.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.29	0.10 - 0.42	25	0.23	0.08 - 0.65	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.059	0.056 - 0.063	2.000	
Boron (mg/L)				3	0.010	0.008 - 0.012	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.12	<0.1 - 0.14	1.00	
Chlorine total (mg/L)	4	1.17	1.13 - 1.20	25	1.40	1.13 - 1.87		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.66	0.62 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.03	0.02 - 0.03	5	0.06	0.02 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	5	<0.01	<0.01	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				1	20.4	20.4		
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Nitrosodimethylamine, N- [NDMA] (µg/L)				1	0.00216	0.00216		
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	15.5	12.6 - 21.3	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	115.3	111.0 - 118.0		
Aluminum (mg/L)				3	0.104	0.071 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.21	0.19 - 0.23	25	0.16	0.12 - 0.23		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.05	<0.03 - <0.05		
Calcium (mg/L)				3	46.9	46.2 - 47.8		
Calcium Hardness (mg/L CaCO3)				3	116.7	115.0 - 119.0		
Chloride Dissolved (mg/L)				3	6.12	5.70 - 6.37	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	0.007	0.005 - 0.008	(0.100)	
Lithium (mg/L)				3	0.0031	0.0030 - 0.0032		
Magnesium (mg/L)				3	14.7	14.1 - 15.0		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0006	0.0006 - 0.0007		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.84 - 0.96	25	0.93	0.84 - 0.98		
Phosphorus (mg/L)				3	0.99	0.95 - 1.04		
Potassium (mg/L)				3	0.9	0.7 - 1.0		
Silicon (mg/L)				3	1.91	1.78 - 2.04		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	9.3	6.7 - 12.4	(200.0)	
Strontium (mg/L)				3	0.460	0.435 - 0.480	7.000	
Sulphate Dissolved (mg/L)				3	67.4	61.7 - 74.2	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	177.7	174.0 - 181.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.10 Discovery Park Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.0	0.8 - 1.3		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	14.4	11.4 - 19.9		
Dibromoacetic acid (µg/L)				1	<1.00	<1.00		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichloroacetic acid (µg/L)				1	10.50	10.50		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)				1	<1.00	<1.00		
Monochloroacetic acid (µg/L)				1	<1.00	<1.00		
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.9	1.9	4	1.4	0.9 - 1.9		
Total Volatile Organics (Non THM) (µg/L)				3	1.3	<1.0 - 1.9		
Trichloroacetic acid (µg/L)				1	9.94	9.94		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.11 Kaskitayo Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	1.1	<0.5 - 1.6	(15.0)	10.0
Conductivity (µS/cm)				3	399.3	375.0 - 416.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.16	0.06 - 0.36	25	0.13	0.06 - 0.37	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.061	0.057 - 0.063	2.000	
Boron (mg/L)				3	0.014	0.008 - 0.026	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.10	<0.1 - 0.10	1.00	
Chlorine total (mg/L)	4	1.76	1.68 - 1.82	25	1.95	1.68 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.67	0.65 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.02	0.01 - 0.02	5	0.06	0.01 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	5	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	13.6	7.7 - 23.8	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	114.7	113.0 - 116.0		
Aluminum (mg/L)				3	0.057	0.028 - 0.094	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.15	0.14 - 0.15	25	0.12	0.07 - 0.15		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				3	47.6	47.0 - 48.0		
Calcium Hardness (mg/L CaCO3)				3	118.7	117.0 - 120.0		
Chloride Dissolved (mg/L)				3	7.37	5.43 - 9.06	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0032	0.0031 - 0.0035		
Magnesium (mg/L)				3	14.6	14.1 - 14.9		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	25	0.94	0.90 - 0.98		
Phosphorus (mg/L)				3	0.99	0.97 - 1.01		
Potassium (mg/L)				3	1.2	0.7 - 1.8		
Silicon (mg/L)				3	1.97	1.86 - 2.06		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	12.1	6.6 - 15.6	(200.0)	
Strontium (mg/L)				3	0.457	0.428 - 0.483	7.000	
Sulphate Dissolved (mg/L)				3	72.0	61.0 - 79.2	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	178.7	175.0 - 181.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.11 Kaskitayo Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.0	0.8 - 1.2		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	12.5	6.7 - 22.5		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.7	1.7	4	1.5	0.9 - 2.2		
Total Volatile Organics (Non THM) (µg/L)				3	1.6	<1.0 - 2.8		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.12 Londonderry Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.2	1.2	3	1.1	0.8 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	412.0	412.0	3	405.0	396.0 - 412.0		
pH	3	8	8	5	8	8		7 - 8
Turbidity (NTU)	4	0.36	0.10 - 1.08	25	0.14	0.06 - 1.08	(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	0.070	0.070	3	0.062	0.052 - 0.070	2.000	
Boron (mg/L)	1	0.010	0.010	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	0.29	0.29	3	0.24	0.20 - 0.29	1.00	
Chlorine total (mg/L)	4	1.72	1.63 - 1.81	25	1.91	1.63 - 2.04		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	0.71	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	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.02 - 0.03	5	0.06	0.02 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	5	0.01	<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	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	52.8	52.8	3	27.1	10.1 - 52.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.12 Londonderry Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	107.0	107.0	3	114.7	107.0 - 130.0		
Aluminum (mg/L)	1	0.112	0.112	3	0.069	0.017 - 0.112	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.17	0.14 - 0.18	25	0.14	0.11 - 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	45.9	45.9	3	48.6	45.9 - 53.3		
Calcium Hardness (mg/L CaCO3)	1	115.0	115.0	3	121.3	115.0 - 133.0		
Chloride Dissolved (mg/L)	1	6.8	6.8	3	6.9	5.1 - 8.7	(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	0.030	0.030	3	0.013	<0.005 - 0.030	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	3	0.0034	0.0033 - 0.0036		
Magnesium (mg/L)	1	14.0	14.0	3	14.9	14.0 - 16.7		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0007 - 0.0008		
Nickel (mg/L)	1	0.0007	0.0007	3	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.86 - 1.04	25	0.92	0.86 - 1.04		
Phosphorus (mg/L)	1	0.99	0.99	3	0.97	0.96 - 0.99		
Potassium (mg/L)	1	1.1	1.1	3	1.1	0.8 - 1.4		
Silicon (mg/L)	1	2.18	2.18	3	2.20	2.01 - 2.42		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	19.0	19.0	3	13.1	7.3 - 19.0	(200.0)	
Strontium (mg/L)	1	0.391	0.391	3	0.435	0.391 - 0.463	7.000	
Sulphate Dissolved (mg/L)	1	86.6	86.6	3	77.7	71.1 - 86.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	172.0	172.0	3	182.7	172.0 - 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)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.12 Londonderry Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.58	1.58	3	1.1	0.8 - 1.6		
Bromoform (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	51.20	51.20	3	25.9	9.2 - 51.2		
Dibromochloromethane (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	(15.0)	
Styrene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.4	1.9 - 2.9	4	1.9	1.2 - 2.9		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	3	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	3	<0.5	<0.40 - <0.5		

2.2.13 Millwoods Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.1	1.1	3	0.9	0.6 - 1.1	(15.0)	10.0
Conductivity (µS/cm)	1	433.0	433.0	3	410.7	398.0 - 433.0		
pH	2	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.20	0.09 - 0.46	25	0.12	0.06 - 0.46	(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	0.070	0.070	3	0.062	0.051 - 0.070	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	0.23	0.23	3	0.16	0.12 - 0.23	1.00	
Chlorine total (mg/L)	4	1.80	1.73 - 1.85	25	1.98	1.73 - 2.10		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	0.66	0.62 - 0.70	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.01 - 0.02	5	0.05	0.01 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	5	0.01	<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	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	63.7	63.7	3	29.4	7.9 - 63.7	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.13 Millwoods Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	3	117.3	107.0 - 130.0		
Aluminum (mg/L)	1	0.037	0.037	3	0.045	0.020 - 0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.14	0.13 - 0.15	24	0.12	0.08 - 0.15		
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	48.5	48.5	3	49.6	46.9 - 53.5		
Calcium Hardness (mg/L CaCO3)	1	121.0	121.0	3	124.0	117.0 - 134.0		
Chloride Dissolved (mg/L)	1	6.9	6.9	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	<0.005	<0.005	3	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	3	0.0033	0.0029 - 0.0036		
Magnesium (mg/L)	1	14.3	14.3	3	15.1	14.3 - 16.6		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0006	0.0006	3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.86 - 0.98	24	0.93	0.86 - 0.98		
Phosphorus (mg/L)	1	0.96	0.96	3	0.97	0.96 - 0.99		
Potassium (mg/L)	1	1.1	1.1	3	1.0	0.8 - 1.2		
Silicon (mg/L)	1	2.06	2.06	3	2.15	1.92 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	20.6	20.6	3	13.3	7.6 - 20.6	(200.0)	
Strontium (mg/L)	1	0.415	0.415	3	0.449	0.415 - 0.468	7.000	
Sulphate Dissolved (mg/L)	1	89.3	89.3	3	79.0	71.9 - 89.3	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	180.0	180.0	3	186.0	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)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.13 Millwoods Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.90	1.90	3	1.1	0.7 - 1.9		
Bromoform (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	61.80	61.80	3	28.2	7.1 - 61.8	(40.0)	
Dibromochloromethane (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.3	1.8 - 2.8	4	1.8	1.1 - 2.8		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.4		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	3	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	3	<0.5	<0.40 - <0.5		

2.2.14 North Jasper Place Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	1.0	0.5 - 1.5	(15.0)	10.0
Conductivity (µS/cm)				3	395.0	378.0 - 414.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	3	0.15	0.10 - 0.23	24	0.10	0.06 - 0.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.060	0.057 - 0.062	2.000	
Boron (mg/L)				3	0.014	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.10	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	3	1.34	1.25 - 1.42	24	1.72	1.25 - 2.18		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.65	0.62 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.03	0.03	4	0.07	0.03 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	4	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	15.2	11.0 - 22.6	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	116.3	112.0 - 120.0		
Aluminum (mg/L)				3	0.052	0.025 - 0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	3	0.19	0.17 - 0.20	24	0.14	0.10 - 0.20		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.05	<0.03 - <0.05		
Calcium (mg/L)				3	47.0	45.9 - 49.0		
Calcium Hardness (mg/L CaCO3)				3	117.3	115.0 - 122.0		
Chloride Dissolved (mg/L)				3	6.98	5.65 - 8.43	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0031	0.0029 - 0.0035		
Magnesium (mg/L)				3	14.6	13.8 - 15.2		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	3	0.90	0.90	24	0.92	0.90 - 0.96		
Phosphorus (mg/L)				3	0.96	0.94 - 0.98		
Potassium (mg/L)				3	1.1	0.7 - 1.5		
Silicon (mg/L)				3	1.95	1.73 - 2.21		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	11.5	6.6 - 14.1	(200.0)	
Strontium (mg/L)				3	0.448	0.415 - 0.467	7.000	
Sulphate Dissolved (mg/L)				3	71.8	61.5 - 77.8	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	177.3	172.0 - 185.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.14 North Jasper Place Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.0	0.8 - 1.4		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	14.0	10.1 - 21.1		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)				3	1.4	1.0 - 1.9		
Total Volatile Organics (Non THM) (µg/L)				3	1.3	<1.0 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.15 Ormsby Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.2	1.2	3	1.0	0.7 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	442.0	442.0	3	419.0	397.0 - 442.0		
pH	2	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.10 - 0.19	25	0.10	0.06 - 0.19	(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	0.070	0.070	3	0.062	0.053 - 0.070	2.000	
Boron (mg/L)	1	0.011	0.011	3	0.012	0.009 - 0.015	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	0.16	0.16	3	0.13	0.10 - 0.16	1.00	
Chlorine total (mg/L)	4	1.67	1.60 - 1.74	25	1.92	1.60 - 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	0.65	0.64 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.01 - 0.02	5	0.05	0.01 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	5	0.01	<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	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	54.5	54.5	3	26.1	7.2 - 54.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.15 Ormsby Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	116.0	116.0	3	117.3	106.0 - 130.0		
Aluminum (mg/L)	1	0.038	0.038	3	0.047	0.020 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.16	0.14 - 0.17	25	0.13	0.08 - 0.17		
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	48.1	48.1	3	49.0	46.4 - 52.6		
Calcium Hardness (mg/L CaCO3)	1	120.0	120.0	3	122.3	116.0 - 131.0		
Chloride Dissolved (mg/L)	1	7.3	7.3	3	6.7	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	0.0031	0.0031	3	0.0031	0.0028 - 0.0035		
Magnesium (mg/L)	1	14.3	14.3	3	15.0	14.0 - 16.6		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	3	0.0007	0.0007		
Nickel (mg/L)	1	0.0006	0.0006	3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	25	0.93	0.90 - 0.96		
Phosphorus (mg/L)	1	0.97	0.97	3	0.97	0.97		
Potassium (mg/L)	1	1.0	1.0	3	1.1	0.8 - 1.4		
Silicon (mg/L)	1	2.07	2.07	3	2.12	1.92 - 2.38		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	22.7	22.7	3	14.6	7.7 - 22.7	(200.0)	
Strontium (mg/L)	1	0.412	0.412	3	0.445	0.412 - 0.473	7.000	
Sulphate Dissolved (mg/L)	1	92.6	92.6	3	80.9	71.7 - 92.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	179.0	179.0	3	184.3	174.0 - 200.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.15 Ormsby Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.48	1.48	3	1.0	0.6 - 1.5		
Bromoform (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	53.00	53.00	3	25.0	6.5 - 53.0	(40.0)	
Dibromochloromethane (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.2	1.7 - 2.7	4	1.7	1.0 - 2.7		
Total Volatile Organics (Non THM) (µg/L)				2	1.1	<1.0 - 1.2		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	3	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	3	<0.5	<0.40 - <0.5		

2.2.16 Papaschase Reservoir 1

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	3	0.9	0.6 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	412.0	412.0	3	409.7	405.0 - 412.0		
pH	2	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.23	0.17 - 0.36	25	0.14	0.07 - 0.36	(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	0.067	0.067	3	0.061	0.055 - 0.067	2.000	
Boron (mg/L)	1	0.010	0.010	3	0.012	0.009 - 0.016	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	0.31	0.31	3	0.27	0.22 - 0.31	1.00	
Chlorine total (mg/L)	4	1.52	1.37 - 1.67	25	1.74	1.28 - 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	0.75	0.75	3	0.71	0.68 - 0.75	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.02 - 0.03	5	0.06	0.02 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	5	0.01	<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	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	3	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	53.8	53.8	3	27.8	11.1 - 53.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	3	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.16 Papaschase Reservoir 1

June 2025

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	114.3	105.0 - 130.0		
Aluminum (mg/L)	1	0.038	0.038	3	0.046	0.018 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.18	0.15 - 0.23	24	0.16	0.12 - 0.23		
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	45.7	45.7	3	48.5	45.7 - 52.8		
Calcium Hardness (mg/L CaCO3)	1	114.0	114.0	3	121.0	114.0 - 132.0		
Chloride Dissolved (mg/L)	1	6.7	6.7	3	7.2	5.1 - 9.9	(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	0.017	0.017	3	0.013	0.010 - 0.017	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	3	0.0035	0.0033 - 0.0036		
Magnesium (mg/L)	1	13.6	13.6	3	14.7	13.6 - 16.3		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0006	0.0006	3	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0006	0.0006	3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.88 - 0.90	24	0.90	0.86 - 0.94		
Phosphorus (mg/L)	1	0.94	0.94	3	0.94	0.94 - 0.95		
Potassium (mg/L)	1	1.1	1.1	3	1.2	0.8 - 1.7		
Silicon (mg/L)	1	2.14	2.14	3	2.19	2.05 - 2.38		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	18.1	18.1	3	13.3	7.3 - 18.1	(200.0)	
Strontium (mg/L)	1	0.401	0.401	3	0.443	0.401 - 0.468	7.000	
Sulphate Dissolved (mg/L)	1	86.5	86.5	3	78.1	69.3 - 86.5	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	170.0	170.0	3	181.3	170.0 - 199.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	3	<0.001	<0.001		

2.2.16 Papaschase Reservoir 1

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.38	1.38	3	1.2	0.8 - 1.4		
Bromoform (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	52.40	52.40	3	26.5	9.6 - 52.4	(40.0)	
Dibromochloromethane (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	3	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.3	1.9 - 2.7	4	1.8	1.3 - 2.7		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.3		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	3	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	3	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	3	<0.5	<0.40 - <0.5		

2.2.17 Papaschase Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.9	<0.5 - 1.4	(15.0)	10.0
Conductivity (µS/cm)				3	395.7	371.0 - 424.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.09 - 0.16	25	0.12	0.06 - 0.26	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.061	0.057 - 0.064	2.000	
Boron (mg/L)				3	0.013	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.23	0.1 - 0.31	1.00	
Chlorine total (mg/L)	4	1.78	1.73 - 1.84	25	1.94	1.73 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.71	0.69 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.03	0.02 - 0.03	5	0.06	0.02 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	5	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				3	0.0003	0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	17.6	10.1 - 30.1	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	115.0	113.0 - 118.0		
Aluminum (mg/L)				3	0.058	0.031 - 0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.15	0.12 - 0.17	25	0.13	0.10 - 0.17		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.05	<0.03 - <0.05		
Calcium (mg/L)				3	47.0	46.3 - 47.8		
Calcium Hardness (mg/L CaCO3)				3	117.3	116.0 - 119.0		
Chloride Dissolved (mg/L)				3	7.42	4.96 - 10.90	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)				3	14.6	14.2 - 14.9		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.88 - 0.90	25	0.91	0.88 - 0.96		
Phosphorus (mg/L)				3	0.94	0.93 - 0.94		
Potassium (mg/L)				3	1.2	0.7 - 1.9		
Silicon (mg/L)				3	1.96	1.89 - 2.08		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	11.5	6.3 - 16.9	(200.0)	
Strontium (mg/L)				3	0.455	0.425 - 0.483	7.000	
Sulphate Dissolved (mg/L)				3	70.9	60.1 - 82.1	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	177.3	175.0 - 180.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.17 Papaschase Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	1.1	0.9 - 1.4		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	16.3	9.0 - 28.7		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.8	1.8	4	1.5	0.9 - 2.1		
Total Volatile Organics (Non THM) (µg/L)				3	1.3	<1.0 - 2.0		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.18 Rosslyn Reservoir 1

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.3	1.3	2	1.2	1.1 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	426.0	426.0	2	412.0	398.0 - 426.0		
pH	3	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.13	0.11 - 0.14	23	0.11	0.07 - 0.21	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.069	0.069	2	0.061	0.052 - 0.069	2.000	
Boron (mg/L)	1	0.010	0.010	2	0.011	0.010 - 0.012	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.24	0.24	2	0.22	0.20 - 0.24	1.00	
Chlorine total (mg/L)	4	1.57	1.46 - 1.66	23	1.84	1.46 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.73	0.73	2	0.68	0.63 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	3	0.02	0.02 - 0.03	4	0.05	0.02 - 0.12	10.00	
Nitrite (as N) dissolved (mg/L)	3	<0.01	<0.01	4	<0.01	<0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0002	0.0002	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,4) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<1.00	<1.00	2	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	1	58.8	58.8	2	34.2	9.5 - 58.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<0.50	<0.50	2	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	1	<0.50	<0.50	2	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.18 Rosslyn Reservoir 1

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	106.0	106.0	2	106.5	106.0 - 107.0		
Aluminum (mg/L)	1	0.042	0.042	2	0.030	0.017 - 0.042	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.18	0.16 - 0.19	23	0.14	0.10 - 0.19		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	46.1	46.1	2	45.8	45.5 - 46.1		
Calcium Hardness (mg/L CaCO3)	1	115.0	115.0	2	114.5	114.0 - 115.0		
Chloride Dissolved (mg/L)	1	7.0	7.0	2	7.7	7.0 - 8.4	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.008	0.008	2	0.007	<0.005 - 0.008	(0.100)	
Lithium (mg/L)	1	0.0030	0.0030	2	0.0031	0.0030 - 0.0032		
Magnesium (mg/L)	1	13.7	13.7	2	14.0	13.7 - 14.3		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0006	0.0006	2	0.0007	0.0006 - 0.0007		
Nickel (mg/L)	1	0.0007	0.0007	2	0.0006	<0.0005 - 0.0007		
Phosphate Ortho (as P) (mg/L as P)	4	0.86	0.74 - 0.90	23	0.91	0.74 - 0.94		
Phosphorus (mg/L)	1	0.95	0.95	2	0.95	0.94 - 0.95		
Potassium (mg/L)	1	1.1	1.1	2	1.3	1.1 - 1.4		
Silicon (mg/L)	1	2.18	2.18	2	2.05	1.92 - 2.18		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	22.1	22.1	2	17.6	13.1 - 22.1	(200.0)	
Strontium (mg/L)	1	0.387	0.387	2	0.418	0.387 - 0.449	7.000	
Sulphate Dissolved (mg/L)	1	91.7	91.7	2	84.0	76.3 - 91.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	171.0	171.0	2	171.5	171.0 - 172.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	2	<0.001	<0.001		

2.2.18 Rosslyn Reservoir 1

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.75	1.75	2	1.4	1.1 - 1.8		
Bromoform (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	1	57.00	57.00	2	32.7	8.4 - 57.0		
Dibromochloromethane (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<20	<20	2	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50	(15.0)	
Styrene (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Total Organic Carbon (mg/L)	2	2.6	1.9 - 3.2	3	2.1	1.2 - 3.2		
Total Volatile Organics (Non THM) (µg/L)				1	1.2	1.2		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Trichloroethane (1,1,1) (µg/L)	1	<0.50	<0.50	2	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	1	<0.30	<0.30	2	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	1	<0.40	<0.40	2	<0.5	<0.40 - <0.5		

2.2.19 Rosslyn Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				4	0.9	0.7 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				4	399.3	385.0 - 423.0		
pH	2	8	8	6	8	8		7 - 8
Turbidity (NTU)	4	0.19	0.14 - 0.30	25	0.12	0.07 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				4	<0.0002	<0.0002	0.0100	
Barium (mg/L)				4	0.061	0.058 - 0.062	2.000	
Boron (mg/L)				4	0.012	0.008 - 0.020	5.000	
Bromate Dissolved (mg/L)				4	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				4	0.19	0.1 - 0.26	1.00	
Chlorine total (mg/L)	4	1.39	1.34 - 1.43	25	1.72	1.34 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)				4	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				4	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				4	0.67	0.64 - 0.72	1.50	0.60 - 0.80
Lead (mg/L)				4	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				4	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.02	0.02	6	0.07	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	6	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)				4	0.0003	0.0003	0.0500	
Uranium (mg/L)				4	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				4	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				4	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				4	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				4	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				4	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				4	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				4	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				4	<0.5	<0.5	10.0	
Toluene (µg/L)				4	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				4	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				4	14.8	10.4 - 24.6	100.0	50.0
Vinyl Chloride (µg/L)				4	<1.0	<1.0	2.0	
Xylenes total (µg/L)				4	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				4	119.3	113.0 - 128.0		
Aluminum (mg/L)				4	0.060	0.034 - 0.085	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.20	0.19 - 0.23	25	0.16	0.11 - 0.23		
Beryllium (mg/L)				4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				4	<0.05	<0.03 - <0.05		
Calcium (mg/L)				4	48.7	46.3 - 51.7		
Calcium Hardness (mg/L CaCO3)				4	121.5	116.0 - 129.0		
Chloride Dissolved (mg/L)				4	7.05	5.40 - 11.00	(250.00)	
Cobalt (mg/L)				4	<0.0002	<0.0002		
Copper (mg/L)				4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				4	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)				4	0.0034	0.0031 - 0.0038		
Magnesium (mg/L)				4	15.2	14.1 - 16.3		
Manganese (mg/L)				4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)				4	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.92	25	0.91	0.78 - 0.94		
Phosphorus (mg/L)				4	0.96	0.95 - 0.96		
Potassium (mg/L)				4	1.0	0.7 - 1.6		
Silicon (mg/L)				4	2.03	1.76 - 2.26		
Silver (mg/L)				4	<0.00002	<0.00002		
Sodium (mg/L)				4	10.4	6.7 - 15.5	(200.0)	
Strontium (mg/L)				4	0.461	0.428 - 0.478	7.000	
Sulphate Dissolved (mg/L)				4	70.6	61.3 - 80.0	(500.0)	
Thallium (mg/L)				4	<0.0002	<0.0002		
Tin (mg/L)				4	<0.0005	<0.0005		
Titanium (mg/L)				4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				4	184.0	174.0 - 196.0		
Vanadium (mg/L)				4	<0.0005	<0.0005		
Zinc (mg/L)				4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				4	<0.001	<0.001		

2.2.19 Rosslyn Reservoir 2

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				4	1.0	<0.5 - 1.3		
Bromoform (µg/L)				4	<0.5	<0.5		
Chloroform (µg/L)				4	13.7	9.5 - 23.4		
Dibromochloromethane (µg/L)				4	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				4	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				4	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				4	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				4	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				4	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				4	<0.5	<0.5	(15.0)	
Styrene (µg/L)				4	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				4	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.9	1.9	5	1.5	1.0 - 1.9		
Total Volatile Organics (Non THM) (µg/L)				4	1.4	<1.0 - 2.4		
Trichlorobenzene (1,2,4) (µg/L)				4	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				4	<0.5	<0.5		
Xylene (1,2) (µg/L)				4	<0.5	<0.5		
Xylene (1,4) (µg/L)				4	<0.5	<0.5		

2.2.20 Thorncliff Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				3	0.8	0.6 - 1.1	(15.0)	10.0
Conductivity (µS/cm)				3	396.3	377.0 - 415.0		
pH	1	8	8	4	8	8		7 - 8
Turbidity (NTU)	4	0.95	0.12 - 1.74	25	0.23	0.07 - 1.74	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				3	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				3	<0.0002	<0.0002	0.0100	
Barium (mg/L)				3	0.060	0.057 - 0.063	2.000	
Boron (mg/L)				3	0.014	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)				3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.10	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	4	1.39	1.30 - 1.54	25	1.74	1.30 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)				3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				3	0.64	0.63 - 0.64	1.50	0.60 - 0.80
Lead (mg/L)				3	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	2	0.03	0.02 - 0.03	5	0.07	0.02 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	2	<0.01	<0.01	5	<0.01	<0.01	1.00	
Selenium (mg/L)				3	0.0002	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				3	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	14.1	9.6 - 20.6	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				3	114.7	109.0 - 118.0		
Aluminum (mg/L)				3	0.055	0.031 - 0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.18	0.15 - 0.20	25	0.14	0.09 - 0.20		
Beryllium (mg/L)				3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.05	<0.03 - <0.05		
Calcium (mg/L)				3	46.8	45.1 - 48.9		
Calcium Hardness (mg/L CaCO3)				3	117.0	113.0 - 122.0		
Chloride Dissolved (mg/L)				3	6.87	5.65 - 8.21	(250.00)	
Cobalt (mg/L)				3	<0.0002	<0.0002		
Copper (mg/L)				3	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				3	<0.005	<0.005	(0.100)	
Lithium (mg/L)				3	0.0031	0.0029 - 0.0035		
Magnesium (mg/L)				3	14.6	13.8 - 15.2		
Manganese (mg/L)				3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				3	0.0007	0.0006 - 0.0009		
Nickel (mg/L)				3	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	4	1.05	0.92 - 1.12	25	0.95	0.88 - 1.12		
Phosphorus (mg/L)				3	0.96	0.94 - 0.97		
Potassium (mg/L)				3	1.1	0.7 - 1.6		
Silicon (mg/L)				3	1.94	1.80 - 2.15		
Silver (mg/L)				3	<0.00002	<0.00002		
Sodium (mg/L)				3	11.6	6.6 - 14.1	(200.0)	
Strontium (mg/L)				3	0.453	0.422 - 0.475	7.000	
Sulphate Dissolved (mg/L)				3	71.7	61.6 - 78.0	(500.0)	
Thallium (mg/L)				3	<0.0002	<0.0002		
Tin (mg/L)				3	<0.0005	<0.0005		
Titanium (mg/L)				3	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				3	177.0	169.0 - 185.0		
Vanadium (mg/L)				3	<0.0005	<0.0005		
Zinc (mg/L)				3	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				3	<0.001	<0.001		

2.2.20 Thorncliff Reservoir

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				3	0.9	0.7 - 1.2		
Bromoform (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	13.1	8.7 - 19.5		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.8	1.8	4	1.5	1.0 - 1.9		
Total Volatile Organics (Non THM) (µg/L)				3	1.4	<1.0 - 2.0		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	34	1053.3	22.8 - 10950.0	210	668.0	21.3 - 10950.0
Cryptosporidium (oocysts/100L)	2	7.2	<4.4 - 9.9	12	17.0	<1 - 32.3
E. coli (MPN/100 mL)	34	58.2	12.2 - 466.0	210	42.2	1.0 - 3328.0
Giardia (cysts/100L)	2	7.2	<4.4 - 9.9	12	33.8	<1.64 - 150.0
Physical						
Colour (TCU)	60	16.0	6.9 - 41.1	362	11.8	2.4 - 52.4
Conductivity (µS/cm)	8	349.8	313.0 - 367.0	50	358.4	313.0 - 412.0
pH				10	8	8
Total Dissolved Solids (mg/L)	2	244.00	241.00 - 247.00	12	200.83	178 - 247.00
Total Suspended Solids (mg/L)	2	32.3	9.3 - 55.2	12	14.0	<1.0 - 55.2
Turbidity (NTU)	60	25.45	2.07 - 250.00	362	15.01	1.04 - 250.00
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Arsenic (mg/L)	2	0.0008	0.0006 - 0.0009	12	0.0004	<0.0002 - 0.0009
Arsenic dissolved (mg/L)	2	0.0004	0.0004	12	0.0003	<0.0002 - 0.0004
Barium (mg/L)	2	0.087	0.080 - 0.094	12	0.070	0.056 - 0.094
Barium dissolved (mg/L)	2	0.067	0.066 - 0.067	12	0.063	0.055 - 0.071
Boron (mg/L)	2	0.014	0.013 - 0.015	12	0.011	0.008 - 0.015
Boron dissolved (mg/L)	2	0.012	0.011 - 0.012	12	0.010	0.009 - 0.012
Bromate Dissolved (mg/L)	8	<0.005	<0.005	50	0.005	<0.003 - 0.005
Cadmium (mg/L)	2	0.00003	<0.00002 - 0.00003	12	0.00002	<0.00002 - 0.00003
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	12	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	50	<0.1	<0.01 - <0.1
Chlorine total (mg/L)				10	0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	50	<0.2	<0.005 - <0.2
Chromium (mg/L)	2	0.0021	0.0015 - 0.0026	12	0.0008	<0.0002 - 0.0026
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Cyanide (mg/L)				4	<0.002	<0.002
Fluoride (mg/L)	8	0.13	0.11 - 0.14	50	0.11	0.09 - 0.14
Lead (mg/L)	2	0.0007	0.0004 - 0.0009	12	0.0004	<0.0002 - 0.0009
Lead dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Mercury (µg/L)				4	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Mercury dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.02	<0.01 - 0.05	48	0.08	<0.01 - 0.19
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	48	0.01	<0.01
Selenium (mg/L)	2	0.0003	0.0003	12	0.0003	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	0.0003	0.0003	12	0.0003	0.0002 - 0.0003
Uranium (mg/L)	2	0.0005	<0.0005	12	0.0006	<0.0005 - 0.0006
Uranium dissolved (mg/L)	2	<0.0005	<0.0005	12	0.0006	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)				4	<0.250	<0.050 - <0.250
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				4	<0.250	<0.050 - <0.250
Atrazine + metabolites (µg/L)				4	<0.10	<0.10
Benzene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)				4	<0.005	<0.005
Bromoxynil (µg/L)				4	<0.250	<0.050 - <0.250
Carbon Tetrachloride (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)				4	<0.10	<0.10
Cyanazine (µg/L)				4	<0.100	<0.100
Diazinon (µg/L)				4	<0.0250	<0.0250
Dicamba (µg/L)				4	<0.50	<0.10 - <0.50
Dichlorobenzene (1,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichlorobenzene (1,4) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)				4	<0.20	<0.20
Diclofop-methyl (µg/L)				4	<0.100	<0.100
Dimethoate (µg/L)				4	<0.050	<0.050
Diquat (µg/L)				4	<1.0	<1.0
Diuron (µg/L)				4	<0.050	<0.050
Ethylbenzene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Glyphosate (µg/L)				4	<1.00	<0.20 - <1.00
Malathion (µg/L)				4	<0.0250	<0.0250
Methylene Chloride (Dichloromethane) (µg/L)	60	0.8	<0.5 - 1.0	362	<1.00	<0.5 - <1.00
Metolachlor (µg/L)				4	<0.0250	<0.0250
Metribuzin (µg/L)				4	<0.100	<0.100
Microcystin total (µg/L)				4	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)				4	<0.4	<0.4
Omethoate (as dimethoate) (µg/L)				4	<0.16	<0.16
Pentachlorophenol (µg/L)				4	<0.50	<0.50
Phorate (µg/L)				4	<0.250	<0.250
Picloram (µg/L)				4	<0.50	<0.10 - <0.50
Simazine (µg/L)				4	<0.100	<0.100
Terbufos (µg/L)				4	<0.50	<0.50
Tetrachloroethylene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Tetrachlorophenol (2,3,4,6) (µg/L)				4	<0.50	<0.50
Toluene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)				4	<0.20	<0.20
Trifluralin (µg/L)				4	<0.10	<0.10
Trihalomethanes (µg/L)	60	<1.0	<1.0	362	<1.0	<1.0
Vinyl Chloride (µg/L)	60	0.72	<0.50 - 1.00	362	<1.0	<0.50 - <1.0
Xylenes total (µg/L)	60	0.72	<0.50 - 1.00	362	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Cesium-137 (Bq/L)	2	0.2	<0.1 - 0.2	2	<0.2	<0.1 - <0.2
Gross Alpha (Bq/L)	2	0.30	<0.12 - 0.47	2	<0.47	<0.12 - <0.47
Gross Beta (Bq/L)	2	0.39	<0.08 - 0.70	2	0.39	<0.08 - 0.70
Iodine-131 (Bq/L)	2	<0.4	<0.4	2	<0.4	<0.4
Lead-210 (Bq/L)	2	0.03	<0.02 - 0.04	2	<0.04	<0.02 - <0.04
Radium-226 (Bq/L)	2	0.018	<0.005 - 0.030	2	0.018	<0.005 - 0.030
Strontium-90 (Bq/L)	2	0.08	<0.05 - 0.10	2	<0.1	<0.05 - <0.1
Tritium (Bq/L)	2	<40	<40	2	<40	<40
Secondary Organics						
Bromodichloromethane (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Bromoform (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Chloroform (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	60	11.8	<1.0 - 20.0	362	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Styrene (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	4.5	2.8 - 7.0	50	2.9	0.9 - 9.2
Total Volatile Organics (Non THM) (µg/L)	26	1.2	<1.0 - 1.5	308	1.3	<1.0 - 3.8
Trichlorobenzene (1,2,4) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	60	<0.50	<0.5	362	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	60	0.39	<0.30 - 0.50	362	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	60	0.44	<0.40 - 0.50	362	<0.5	<0.40 - <0.5

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)				10	<3	<3
Alkalinity total (mg CaCO3/L)	8	139.8	124.0 - 174.0	50	126.6	109.0 - 174.0
Aluminum (mg/L)	2	1.256	0.882 - 1.630	12	0.489	0.078 - 1.630
Ammonia as NH3 (mg/L)	26	<0.05	<0.05	220	0.05	<0.01 - 0.12
Beryllium (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Bromide Dissolved (mg/L)	8	<0.03	<0.03	50	<0.05	<0.03 - <0.05
Calcium (mg/L)	2	48.5	47.0 - 49.9	12	48.2	43.9 - 54.5
Calcium Hardness (mg/L CaCO3)	8	114.4	107.0 - 119.0	50	116.1	98.0 - 136.0
Chloride Dissolved (mg/L)	8	1.0	0.6 - 2.0	50	1.82	0.50 - 6.74
Chlorine free (mg/L)				10	0.07	<0.07
Cobalt (mg/L)	2	0.0005	0.0002 - 0.0007	12	0.0003	<0.0002 - 0.0007
Copper (mg/L)	2	0.004	0.003 - 0.004	12	0.004	<0.002 - 0.006
Iron (mg/L)	2	1.059	0.548 - 1.570	12	0.481	0.063 - 1.570
Lanthanum (mg/L)	2	<0.001	<0.001	12	0.001	<0.001
Lithium (mg/L)	2	0.0051	0.0048 - 0.0054	12	0.0039	0.0030 - 0.0054
Magnesium (mg/L)	2	14.6	14.2 - 14.9	12	14.8	13.5 - 17.3
Manganese (mg/L)	2	0.024	0.011 - 0.037	12	0.013	<0.002 - 0.041
Molybdenum (mg/L)	2	0.0009	0.0009	12	0.0007	0.0005 - 0.0010
Nickel (mg/L)	2	0.0021	0.0014 - 0.0027	12	0.0012	<0.0005 - 0.0027
Nitrogen Total Kjeldahl (TKN) (mg/L N)	2	0.3	0.3	103	0.2	<0.1 - 0.6
Nitrogen Total Kjeldahl (TKN) (mg/L)				4	0.11	<0.07 - 0.15
Phosphate Ortho (as P) (mg/L as P)				10	<0.02	<0.02
Phosphorus (mg/L)	2	0.06	0.04 - 0.07	12	0.04	<0.02 - 0.07
Potassium (mg/L)	2	1.3	1.1 - 1.4	12	1.1	0.6 - 1.9
Silicon (mg/L)	2	4.90	4.26 - 5.54	12	2.98	1.88 - 5.54
Silver (mg/L)	2	0.00003	<0.00002 - 0.00003	12	0.00002	<0.00002 - 0.00003
Sodium (mg/L)	2	4.4	4.2 - 4.5	12	5.0	2.8 - 8.7
Strontium (mg/L)	2	0.418	0.413 - 0.422	12	0.447	0.386 - 0.485
Sulphate Dissolved (mg/L)	8	52.8	41.1 - 59.7	50	56.7	40.0 - 70.3
Sulphide (mg/L)				4	<0.0015	<0.0015
Thallium (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Tin (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Titanium (mg/L)	2	0.0277	0.0231 - 0.0323	12	0.0101	0.0013 - 0.0323
Total Hardness (mg/L CaCO3)	8	173.9	158.0 - 181.0	50	174.6	146.0 - 202.0
Vanadium (mg/L)	2	0.0034	0.0023 - 0.0044	12	0.0013	<0.0005 - 0.0044
Zinc (mg/L)	2	0.007	<0.005 - 0.008	12	0.005	<0.005 - 0.008
Zirconium (mg/L)	2	0.002	0.001 - 0.002	12	0.001	<0.001 - 0.002

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

June 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.027	0.009 - 0.045	12	0.022	<0.005 - 0.090
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Calcium dissolved (mg/L)	2	45.6	45.6	12	47.6	42.8 - 55.6
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Copper dissolved (mg/L)	2	0.003	<0.002 - 0.003	12	0.003	<0.002 - 0.005
Iron dissolved (mg/L)	2	0.005	0.005	12	0.010	<0.005 - 0.022
Lanthanum Dissolved (mg/L)	2	<0.001	<0.001	12	0.001	<0.001
Lithium dissolved (mg/L)	2	0.0042	0.0041 - 0.0043	12	0.0036	0.0028 - 0.0043
Magnesium dissolved (mg/L)	2	14.1	14.1	12	14.6	13.1 - 17.2
Manganese dissolved (mg/L)	2	<0.002	<0.002	12	0.002	<0.002 - 0.005
Molybdenum dissolved (mg/L)	2	0.0008	0.0008	12	0.0007	0.0005 - 0.0010
Nickel dissolved (mg/L)	2	0.0006	0.0006	12	0.0007	<0.0005 - 0.0021
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	12	<0.02	<0.02
Potassium dissolved (mg/L)	2	0.8	0.8	12	1.0	0.6 - 1.9
Silicon dissolved (mg/L)	2	2.50	2.47 - 2.53	12	2.15	1.65 - 2.53
Silver dissolved (mg/L)	2	<0.00002	<0.00002	12	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	4.4	4.2 - 4.6	12	5.0	2.8 - 8.7
Strontium dissolved (mg/L)	2	0.399	0.395 - 0.402	12	0.442	0.379 - 0.484
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002
Tin dissolved (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	12	0.005	<0.005 - 0.005
Zirconium dissolved (mg/L)	2	<0.001	<0.001	12	0.001	<0.001