EDMONTON WATERWORKS
MONTHLY REPORT

March 2025

PROVIDING MORE EPCOR

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1.1.1 Operations – Rossdale and E.L. Smith Plants

Plant Bypasses

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

In March, Rossdale Plant had 1 unplanned bypass and no shutdowns.

Date	Type	Bypass Description
Mar 26	Unplanned	1.2-hour bypass due to power outage.

In March, E.L. Smith Plant had 2 planned shutdowns and no bypasses.

Date	Type	Bypass Description
Mar 5	Planned	11-hour shutdown due to capital and maintenance work
Mar 26	Planned	17.9-hour shutdown due to capital and maintenance work

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

Chemical Dosing Highlights

In March, 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 – March 2025

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20250301-670787-v1	About 100 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.	March 1, 2025	438234
ENV-20250303-932176-v1	About 52 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.	March 3, 2025	438264
ENV-20250312-552700-v1	About 41 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.	March 12, 2025	438534
ENV-20250313-811535-v1	About 122 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.	March 13, 2025	438616
ENV-20250320-823623-v1	About 47 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed.	March 20, 2025	438787

ENV-20250321-759589-v1	About 27 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water The leak was isolated until the repair was completed.	March 21, 2025	438826
ENV-20250325-241759-v1	About 45 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water The leak was isolated until the repair was completed.	March 25, 2025	438945

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

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)

March 2025

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	135	--	135	307	442
2	134	--	134	321	455
3	131	9.4	140	319	460
4	90	83	173	316	489
5	90	90	180	202	382
6	90	90	180	294	474
7	74	90	164	281	445
8	70	83	153	266	419
9	70	80	150	260	410
10	70	80	150	255	405
11	71	81	152	251	403
12	70	80	150	251	401
13	70	84	154	251	404
14	70	87	157	257	414
15	70	80	150	261	411
16	70	80	150	260	410
17	70	80	150	261	411
18	70	80	150	260	410
19	70	80	150	261	411
20	70	80	150	261	411
21	70	80	150	261	411
22	70	80	150	249	399
23	71	81	151	253	404
24	83	99	182	280	462
25	80	100	180	248	428
26	77	94	171	97	268
27	71	91	162	281	443
28	70	90	160	277	437
29	65	90	155	260	415
30	60	90	150	260	410
31	60	90	150	261	411
Monthly Total	2,431	2,401	4,832	8,122	12,954
Monthly Min	60	0.0	134	97	
Monthly Max	135	100	182	321	
Monthly Avg	78	77	156	262	418

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

March 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	86	206	119	204	292	249	368	69.8
2	66	204	111	251	295	264	375	69.3
3	64	188	115	248	293	266	381	67.0
4	87	206	153	206	294	261	414	68.4
5	106	204	168	0.0	284	135	303	76.8
6	123	205	169	205	290	258	427	66.0
7	93	204	154	200	293	243	397	72.3
8	82	203	141	201	284	243	383	75.5
9	71	203	134	201	266	208	342	75.3
10	84	204	139	203	284	228	367	72.5
11	61	202	139	200	270	229	368	72.3
12	69	202	139	199	284	226	365	70.6
13	67	199	136	204	286	227	363	70.1
14	56	205	135	202	273	223	358	68.9
15	58	205	140	204	290	231	371	69.6
16	71	204	138	203	278	231	369	71.1
17	42	205	132	197	295	238	370	68.9
18	66	203	140	227	280	241	380	70.9
19	73	202	136	203	286	241	378	72.0
20	73	204	138	203	288	241	379	73.2
21	69	204	137	207	288	239	376	73.9
22	55	204	135	206	262	236	371	74.5
23	80	201	139	200	290	233	372	73.5
24	70	204	168	218	281	259	427	74.4
25	134	204	165	201	266	225	390	83.2
26	97	202	150	0.0	251	57	207	83.0
27	76	204	144	85	285	261	405	61.4
28	86	202	146	238	283	242	388	66.6
29	83	206	140	198	271	233	373	71.1
30	98	193	135	200	283	227	362	72.2
31	72	204	134	199	279	232	366	71.8
Monthly Tota			4,367			7,127	11,494	
Monthly Min	42			0.0				
Monthly Max		206			295			
Monthly Avg			141			230	371	

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

March 2025

Day	Rossdale										E.L. Smith									
	Turbidity (NTU)			pH			Colour (TCU)				Turbidity (NTU)			pH			Colour (TCU)			
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1	3.7	14	6.6	8.0	8.0	8.0	4.5	8.0	5.6		2.5	4.0	3.0	8.0	8.0	8.0	3.1	3.7	3.5	
2	4.2	12	5.9	7.9	8.0	7.9	4.2	8.0	5.3		3.2	3.6	3.4	7.9	8.1	8.0	3.1	3.7	3.4	
3	4.0	9.1	5.4	8.0	8.0	8.0	3.8	5.8	5.0		3.2	4.0	3.6	7.9	8.1	8.0	3.3	4.0	3.7	
4	3.7	6.1	5.3	8.0	8.0	8.0	5.1	12.6	6.9		3.3	6.1	5.3	8.0	8.0	8.0	4.0	15.2	10.0	
5	5.2	6.9	5.8	7.9	8.0	8.0	12.6	16.2	14.9		4.4	6.9	5.2	7.9	8.0	8.0	14.9	16.6	15.4	
6	4.5	6.9	5.3	7.9	8.0	7.9	13.3	17.6	15.7		4.4	5.9	4.9	8.0	8.0	8.0	14.1	16.4	15.3	
7	4.5	6.1	5.3	7.9	8.0	7.9	6.4	17.6	15.7		4.5	5.2	4.8	7.8	8.0	7.9	14.7	16.2	15.3	
8	4.5	6.1	5.2	7.9	8.0	7.9	13.9	17.4	16.2		3.6	5.9	4.9	7.9	8.0	7.9	15.3	16.6	15.8	
9	4.4	25	7.1	8.0	8.0	8.0	16.4	19.1	17.5		4.5	5.6	5.1	7.9	8.0	7.9	16.1	17.1	16.6	
10	5.3	25	8.4	7.9	8.0	8.0	17.2	19.1	18.3		3.5	5.0	4.5	7.9	7.9	7.9	15.3	17.0	16.3	
11	4.7	11	7.2	7.9	8.0	7.9	15.7	17.9	16.6		3.5	5.7	4.7	7.9	8.0	7.9	14.7	15.3	15.0	
12	4.7	5.8	5.2	8.0	8.0	8.0	13.9	16.0	15.2		3.6	5.7	4.3	7.9	8.0	7.9	12.2	15.3	13.2	
13	3.3	4.8	4.0	8.0	8.0	8.0	12.1	13.9	13.0		2.7	4.2	3.8	7.9	8.0	7.9	10.5	12.2	11.6	
14	2.5	3.7	3.1	8.0	8.0	8.0	11.0	13.7	11.6		2.6	3.6	3.3	7.9	7.9	7.9	9.2	10.7	10.0	
15	2.7	4.1	3.5	8.0	8.0	8.0	6.8	10.8	9.1		2.6	7.8	5.1	7.9	8.0	7.9	8.0	9.2	8.6	
16	2.6	4.3	3.5	8.0	8.0	8.0	5.8	8.8	7.9		2.6	3.4	3.0	7.9	8.0	7.9	6.6	8.0	6.9	
17	1.9	2.7	2.5	8.0	8.0	8.0	6.3	7.1	6.5		2.4	3.5	3.1	7.9	8.0	8.0	6.2	6.6	6.2	
18	2.7	3.7	3.3	7.9	8.0	8.0	6.0	6.5	6.4		2.4	3.4	3.0	7.9	8.0	8.0	5.8	6.2	5.9	
19	3.0	3.6	3.1	8.0	8.0	8.0	5.3	7.8	6.0		2.8	3.4	3.0	8.0	8.0	8.0	5.3	5.9	5.5	
20	2.7	3.6	3.2	8.0	8.0	8.0	4.9	7.8	5.8		2.2	3.5	3.2	8.0	8.1	8.0	4.7	5.6	5.0	
21	2.7	3.6	3.2	8.0	8.1	8.0	4.3	5.3	5.1		2.2	3.5	3.0	8.0	8.0	8.0	4.1	4.8	4.5	
22	3.1	5.3	3.4	8.0	8.1	8.0	4.3	4.8	4.7		2.4	3.8	3.3	8.0	8.1	8.0	3.7	4.2	4.1	
23	4.2	5.7	4.7	8.1	8.1	8.1	4.5	5.2	4.6		2.7	3.9	3.5	8.0	8.1	8.0	3.4	3.8	3.6	
24	3.9	8.5	5.6	8.0	8.1	8.0	5.0	6.9	5.4		3.5	4.7	4.2	8.0	8.0	8.0	3.6	4.1	3.9	
25	5.1	13	8.1	8.1	8.1	8.1	6.5	12.0	8.1		4.6	7.8	6.3	8.0	8.1	8.0	4.1	9.5	6.6	
26	11	17	14	8.0	8.1	8.0	12.0	21.0	17.3		6.8	20	11	8.0	8.0	8.0	9.5	23.8	14.2	
27	15	25	18	8.0	8.0	8.0	21.0	31.5	26.7		12	20	14	8.0	8.0	8.0	23.2	24.4	23.7	
28	11	25	17	8.0	8.0	8.0	26.6	28.5	27.5		8.5	13	10	8.0	8.0	8.0	24.4	26.2	25.5	
29	8.6	11	10	8.0	8.0	8.0	18.5	26.7	23.0		7.1	11	9.5	8.0	8.0	8.0	17.8	25.3	20.2	
30	7.1	10	8.4	8.0	8.0	8.0	16.4	18.7	17.6		4.7	7.4	6.8	7.9	8.0	8.0	14.7	17.9	16.4	
31	6.1	8.7	7.2	7.9	8.0	8.0	14.9	17.2	15.8		4.7	8.1	6.3	7.9	8.0	8.0	14.6	15.2	15.0	
Monthly Min/Max/Avg	1.9	25	6.4	7.9	8.1	8.0	3.8	31.5	12.1		2.2	20	5.1	7.8	8.1	8.0	3.1	26.2	11.0	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

March 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	0.05	0.08	0.06	1.91	2.11	2.03	7.6	7.7	7.7	0.70	0.72	0.71	190	0.9	0.05	0.06	0.06	1.88	1.98	1.92	7.8	7.8	7.8	0.64	0.66	0.65	189	0.5
2	0.06	0.08	0.06	1.96	2.16	2.07	7.6	7.7	7.7	0.71	0.73	0.72	190	0.6	0.05	0.05	0.05	1.90	1.97	1.93	7.8	7.8	7.8	0.65	0.66	0.66	188	0.5
3	0.05	0.07	0.06	2.01	2.11	2.06	7.6	7.7	7.7	0.71	0.75	0.73	89	0.4	0.05	0.05	0.05	1.93	1.98	1.95	7.8	7.9	7.8	0.66	0.66	0.66	91	0.4
4	0.05	0.08	0.06	1.96	2.16	2.07	7.6	7.7	7.7	0.71	0.73	0.72	186	0.4	0.05	0.06	0.06	1.83	1.98	1.88	7.8	7.9	7.8	0.64	0.66	0.66	184	0.3
5	0.05	0.07	0.06	1.91	2.16	2.01	7.6	7.7	7.6	0.70	0.71	0.71	186	0.4	0.06	0.06	0.06	1.93	2.12	2.03	7.7	7.9	7.8	0.64	0.71	0.64	182	0.8
6	0.05	0.07	0.06	1.91	2.11	1.99	7.6	7.7	7.7	0.70	0.70	0.70	181	0.7	0.05	0.06	0.06	1.88	2.00	1.95	7.8	7.9	7.9	0.63	0.64	0.64	176	0.5
7	0.05	0.07	0.06	1.91	2.16	2.00	7.6	7.7	7.7	0.69	0.71	0.70	178	0.3	0.05	0.06	0.06	1.83	2.02	1.94	7.8	7.8	7.8	0.64	0.66	0.65	174	0.7
8	0.05	0.07	0.06	1.96	2.16	2.03	7.7	7.7	7.7	0.70	0.73	0.71	174	0.3	0.06	0.06	0.06	1.83	1.93	1.87	7.8	7.9	7.9	0.66	0.66	0.66	173	0.4
9	0.06	0.07	0.06	1.96	2.01	1.98	7.7	7.8	7.7	0.73	0.75	0.74	174	0.4	0.06	0.06	0.06	1.91	1.98	1.93	7.8	7.9	7.8	0.66	0.66	0.66	173	0.5
10	0.06	0.08	0.06	1.96	2.11	2.05	7.7	7.7	7.7	0.70	0.75	0.72	171	0.5	0.06	0.06	0.06	1.93	1.98	1.93	7.8	7.9	7.9	0.66	0.66	0.66	169	0.3
11	0.06	0.10	0.06	1.96	2.06	2.01	7.6	7.7	7.7	0.70	0.71	0.71	173	0.6	0.06	0.06	0.06	1.88	1.94	1.92	7.6	7.9	7.7	0.66	0.66	0.66	174	0.4
12	0.05	0.07	0.06	1.96	2.06	2.03	7.7	7.8	7.7	0.70	0.71	0.71	174	0.6	0.06	0.07	0.06	1.93	1.96	1.93	7.6	7.6	7.6	0.65	0.66	0.66	174	0.3
13	0.05	0.07	0.06	1.96	2.06	2.03	7.6	7.7	7.7	0.69	0.71	0.69	171	0.7	0.06	0.06	0.06	1.92	1.94	1.93	7.6	7.6	7.6	0.65	0.66	0.66	171	0.3
14	0.05	0.07	0.06	1.96	2.11	2.01	7.6	7.7	7.7	0.69	0.70	0.69	174	0.8	0.06	0.06	0.06	1.93	1.98	1.97	7.6	7.6	7.6	0.66	0.66	0.66	174	0.3
15	0.05	0.07	0.06	1.96	2.11	2.01	7.7	7.8	7.7	0.69	0.70	0.69	175	0.4	0.06	0.06	0.06	1.93	1.98	1.95	7.6	7.6	7.6	0.66	0.67	0.67	177	0.3
16	0.05	0.07	0.06	1.96	2.11	2.06	7.7	7.8	7.8	0.69	0.71	0.70	178	0.5	0.06	0.06	0.06	1.93	2.01	1.97	7.6	7.6	7.6	0.67	0.67	0.67	176	0.4
17	0.05	0.07	0.06	2.01	2.11	2.06	7.8	7.8	7.8	0.70	0.71	0.71	175	0.7	0.06	0.06	0.06	1.93	1.99	1.96	7.6	7.6	7.6	0.66	0.67	0.67	175	0.3
18	0.05	0.07	0.06	1.96	2.06	2.01	7.7	7.8	7.8	0.71	0.71	0.71	178	0.6	0.06	0.06	0.06	1.91	1.94	1.93	7.6	7.6	7.6	0.66	0.67	0.66	178	0.3
19	0.05	0.07	0.06	1.96	2.01	1.99	7.7	7.8	7.7	0.70	0.71	0.71	182	0.5	0.06	0.06	0.06	1.88	2.08	1.97	7.6	7.6	7.6	0.66	0.67	0.66	181	0.6
20	0.06	0.07	0.06	1.91	2.11	2.03	7.7	7.7	7.7	0.71	0.71	0.71	183	0.6	0.06	0.06	0.06	1.88	1.94	1.90	7.6	7.6	7.6	0.65	0.67	0.66	182	0.4
21	0.05	0.07	0.06	1.91	2.01	1.96	7.7	7.8	7.7	0.71	0.72	0.71	184	0.4	0.06	0.06	0.06	1.89	1.95	1.92	7.6	7.6	7.6	0.64	0.66	0.65	179	0.5
22	0.06	0.07	0.06	1.91	2.06	1.97	7.7	7.8	7.7	0.72	0.73	0.72	182	0.5	0.06	0.06	0.06	1.85	1.93	1.89	7.6	7.6	7.6	0.64	0.66	0.65	182	0.3
23	0.06	0.07	0.06	1.96	2.06	2.03	7.7	7.7	7.7	0.72	0.72	0.72	184	0.5	0.06	0.06	0.06	1.88	1.93	1.90	7.6	7.6	7.6	0.64	0.65	0.65	182	0.2
24	0.05	0.07	0.06	1.96	2.21	2.01	7.7	7.8	7.7	0.70	0.72	0.72	182	0.4	0.06	0.06	0.06	1.88	1.93	1.91	7.6	7.6	7.6	0.64	0.66	0.65	182	0.4
25	0.06	0.10	0.06	1.91	2.21	2.07	7.6	7.7	7.7	0.70	0.72	0.71	176	0.5	0.06	0.06	0.06	1.88	1.92	1.89	7.6	7.6	7.6	0.64	0.66	0.66	177	0.3
26	0.05	0.08	0.06	1.91	2.06	1.99	7.6	7.7	7.7	0.70	0.71	0.71	174	0.5	0.06	0.07	0.07	1.89	1.99	1.93	7.5	7.7	7.6	0.64	0.74	0.69	177	0.4
27	0.06	0.07	0.06	1.86	2.06	1.99	7.6	7.6	7.6	0.69	0.70	0.70	172	0.5	0.06	0.07	0.06	1.88	1.98	1.90	7.6	7.6	7.6	0.63	0.66	0.64	173	0.5
28	0.06	0.07	0.06	1.91	2.06	2.00	7.6	7.7	7.7	0.69	0.70	0.69	162	0.6	0.06	0.06	0.06	1.88	1.93	1.89	7.6	7.6	7.6	0.63	0.64	0.63	166	0.3
29	0.06	0.07	0.06	1.91	2.16	2.07	7.7	7.7	7.7	0.68	0.69	0.69	164	0.5	0.06	0.06	0.06	1.88	1.98	1.91	7.6	7.6	7.6	0.63	0.64	0.64	168	0.4
30	0.06	0.07	0.06	1.91	2.11	2.04	7.7	7.8	7.8	0.69	0.70	0.69	168	0.6	0.06	0.06	0.06	1.88	1.97	1.90	7.6	7.6	7.6	0.63	0.65	0.65	172	0.5
31	0.06	0.07	0.06	2.01	2.11	2.09	7.7	7.8	7.7	0.69	0.70	0.70	166	0.7	0.05	0.06	0.05	1.83	1.93	1.88	7.6	7.6	7.6	0.64	0.65	0.64	166	0.2
Monthly Min/Max/ Avg	0.05	0.10	0.06	1.86	2.21	2.02	7.6	7.8	7.7	0.68	0.75	0.71	174	0.5	0.05	0.07	0.06	1.83	2.12	1.93	7.5	7.9	7.7	0.63	0.74	0.66	174	0.4

NOTES: ' -- ' indicates plant offline

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

March 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	41	3	1	8	1	1	25	3	1	38	3	1	44	6	1	42	3	1	29	3	1	23	1	1	42	5
2	1	31	4	1	45	2	1	26	2	1	44	3	1	45	5	1	44	4	1	44	7	1	43	3	1	41	2
3	1	14	2	1	46	6	1	45	4	1	47	2	1	13	2	1	31	3	1	16	1	1	41	4	1	47	3
4	1	42	5	1	18	3	1	11	1	1	5	1	1	34	2	1	14	1	1	24	3	1	27	1	1	23	1
5	1	8	1	1	17	1	1	3	1	1	32	5	1	3	1	1	1	1	1	4	2	1	21	1	1	19	1
6	1	1	1	1	6	1	2	15	7	2	6	4	1	22	1	1	19	3	1	23	1	1	1	1	1	33	1
7	1	23	2	1	9	2	1	26	3	1	8	1	1	1	1	1	40	1	1	9	1	1	2	1	1	7	2
8	1	3	1	1	26	1	1	2	1	1	8	2	1	2	1	1	13	1	1	5	1	1	1	1	1	2	1
9	1	1	1	1	1	1	1	3	1	--	--	--	1	1	1	1	1	1	1	1	1	1	25	2	1	22	1
10	1	1	1	1	44	1	1	2	1	1	12	2	1	27	3	1	1	1	9	19	12	1	2	1	1	2	1
11	1	22	3	1	1	1	1	22	3	1	5	1	1	4	1	1	1	1	1	12	3	1	1	1	1	2	1
12	1	2	1	1	21	2	1	2	1	1	2	1	1	2	1	1	5	1	1	3	1	--	--	--	--	--	--
13	1	1	1	1	8	1	1	2	1	6	12	10	1	1	1	1	1	1	1	5	1	1	21	1	1	18	1
14	1	21	2	1	19	1	1	45	2	1	2	2	1	23	2	1	1	1	--	--	--	1	1	1	1	1	1
15	1	2	1	--	--	--	1	1	1	1	14	1	1	2	1	--	--	--	1	25	6	1	2	1	1	45	1
16	1	7	1	1	13	2	1	8	1	1	44	13	1	2	1	1	14	2	1	3	1	--	--	--	1	1	1
17	6	25	13	1	1	1	2	27	5	1	31	1	1	2	1	1	1	1	1	2	1	1	28	2	1	29	15
18	--	--	--	1	39	9	1	4	2	1	3	1	1	24	3	1	1	1	--	--	--	1	2	1	1	2	1
19	1	15	2	19	37	25	1	11	3	1	37	16	1	3	1	1	17	2	1	30	3	1	1	1	1	2	1
20	1	1	1	1	16	1	8	24	15	1	43	3	1	2	1	1	3	1	1	2	1	--	--	--	1	13	4
21	1	21	3	1	2	1	--	--	--	1	39	1	1	1	1	1	1	1	1	8	1	1	26	2	1	21	3
22	1	20	14	1	21	8	1	21	3	1	39	10	1	23	3	1	2	1	--	--	--	1	2	1	1	3	1
23	1	2	1	--	--	--	1	13	4	21	44	34	1	2	1	1	15	2	1	22	1	1	1	1	1	1	1
24	1	13	2	1	18	1	1	21	2	1	11	3	1	2	1	1	2	1	1	2	1	1	23	2	1	22	2
25	4	17	9	1	2	1	1	8	2	1	4	2	1	23	3	1	1	1	1	20	2	1	3	1	1	3	1
26	1	26	3	1	2	1	1	7	2	1	3	1	1	4	2	2	18	5	1	4	2	1	21	2	1	24	1
27	1	5	2	2	8	4	1	5	2	1	13	2	1	4	2	2	6	4	1	4	3	2	8	4	2	9	4
28	1	3	2	1	3	2	--	--	--	2	22	5	4	15	7	1	5	3	1	3	2	1	12	4	1	4	3
29	1	2	1	1	2	1	--	--	--	1	5	2	2	6	4	1	3	2	4	12	7	2	5	3	3	9	4
30	1	16	3	1	11	1	--	--	--	1	4	2	1	5	3	1	2	1	1	9	3	2	28	5	1	5	3
31	1	3	1	1	15	2	5	15	10	1	2	1	1	3	2	1	23	3	1	3	2	1	4	2	1	4	2
Monthly Min/Max/Avg	1	42	3	1	46	3	1	45	3	1	47	5	1	45	2	1	44	2	1	44	3	1	43	2	1	47	2

NOTE: ' -- ' indicates filter offline

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

March 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	18	2	1	15	1	1	19	1	1	13	1	1	22	1	2	31	4	1	27	2	1	27	2
2	--	--	--	1	16	1	1	14	1	1	17	1	1	9	1	1	22	2	1	28	4	1	27	1	1	26	1
3	--	--	--	1	17	1	1	19	1	1	13	1	1	12	1	1	21	1	2	25	4	1	29	1	1	25	1
4	--	--	--	1	20	2	1	19	2	1	21	2	1	23	2	1	24	3	2	28	5	1	26	4	1	24	2
5	--	--	--	1	18	1	1	18	2	1	34	3	1	37	4	1	3	1	2	27	7	1	41	3	1	25	3
6	--	--	--	1	12	1	1	21	2	1	39	2	1	41	2	1	24	2	2	20	3	1	28	2	1	23	2
7	2	31	5	1	20	1	1	2	1	1	10	1	1	18	1	1	23	1	2	25	4	1	3	1	1	24	1
8	1	8	2	1	2	1	1	26	3	1	2	1	1	2	1	1	3	1	2	27	7	2	32	5	1	3	2
9	1	2	1	1	23	3	1	3	1	1	20	3	1	22	3	1	17	3	4	29	7	1	4	3	1	3	1
10	1	18	4	1	3	2	2	28	6	1	4	2	1	8	2	1	4	3	4	11	7	1	28	7	2	34	5
11	1	2	1	1	26	3	1	3	1	1	22	1	1	30	3	1	36	7	2	6	4	2	9	3	1	3	2
12	1	22	2	1	2	1	1	4	1	1	5	1	1	3	1	1	3	1	3	32	8	1	2	1	1	28	3
13	1	2	1	1	1	1	1	25	3	1	2	1	1	30	3	1	1	1	3	19	5	1	32	9	1	4	2
14	1	28	5	1	15	2	1	3	1	1	26	3	1	29	3	--	--	--	3	33	9	1	9	2	1	2	1
15	1	4	1	1	1	1	1	31	4	1	2	1	1	2	1	16	38	27	3	7	4	1	2	1	3	26	5
16	1	1	1	1	32	3	1	4	1	1	11	2	1	28	3	1	15	3	3	34	13	2	30	4	1	4	2
17	1	26	2	1	27	3	1	31	4	1	30	1	1	10	1	1	38	9	3	10	5	1	3	2	2	31	6
18	1	2	1	1	4	1	1	4	1	1	8	2	2	31	6	1	4	2	3	6	4	4	33	9	1	4	2
19	1	30	4	1	1	1	1	32	3	1	1	1	1	6	1	1	35	6	4	33	10	2	6	3	1	2	2
20	1	9	1	1	20	3	1	31	3	1	28	3	1	29	4	1	2	1	3	7	5	1	8	2	2	25	6
21	1	29	5	1	2	1	1	4	1	1	32	4	1	8	1	1	33	6	3	6	3	2	28	5	2	8	2
22	1	3	1	1	22	4	5	32	12	1	41	1	2	33	7	1	2	1	6	31	10	1	4	2	1	3	2
23	1	30	6	1	3	1	1	7	2	1	29	3	1	14	2	2	31	9	3	29	5	1	3	2	3	30	7
24	1	4	1	1	25	3	1	4	1	1	7	2	1	27	3	1	3	2	2	5	3	2	38	4	1	5	2
25	1	30	1	1	3	1	2	30	6	1	2	1	1	37	2	1	34	10	3	30	6	1	3	2	1	2	1
26	1	13	5	1	39	9	1	41	3	11	34	17	3	29	8	2	9	5	2	6	4	2	42	13	--	--	--
27	1	5	2	1	11	3	1	35	4	1	13	3	1	6	2	1	4	2	4	40	26	2	24	6	3	25	8
28	1	31	4	1	26	3	1	15	4	1	31	4	1	35	4	1	43	9	4	45	15	1	15	3	1	5	2
29	1	33	3	1	4	1	1	33	4	1	6	1	1	33	3	1	2	1	3	9	5	2	30	5	1	29	5
30	1	28	2	1	33	3	1	34	3	1	32	3	1	33	2	1	42	5	3	33	8	1	3	1	1	6	2
31	1	9	1	1	27	1	1	36	2	1	27	1	1	28	1	1	33	2	2	6	3	1	30	2	1	1	1
Monthly Min/Max/Avg	1	33	2	1	39	2	1	41	3	1	41	2	1	41	3	1	43	4	1	45	7	1	42	4	1	34	3

NOTES: ' -- ' indicates filter offline

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

March 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	24	1	1	30	3	1	24	3	1	11	2	1	20	2	1	14	2	1	18	2	1	31	2	1	12	2
2	1	28	1	1	40	2	1	22	2	1	9	1	1	23	2	1	28	1	1	30	1	1	15	1	1	17	1
3	1	25	1	1	24	1	1	26	2	1	15	1	1	21	1	1	19	1	1	25	1	1	19	1	1	20	1
4	1	28	2	1	25	2	1	25	3	1	11	2	1	25	3	1	12	2	1	15	2	1	16	2	1	36	3
5	1	36	5	2	25	4	1	29	5	1	8	2	1	25	4	1	11	2	1	14	3	1	16	2	1	26	2
6	1	22	2	1	26	2	1	31	2	1	8	1	1	3	1	1	8	1	1	15	2	1	9	1	1	4	1
7	1	2	1	1	7	1	1	1	1	1	6	1	1	17	2	1	9	1	1	14	1	1	13	1	1	24	1
8	1	29	3	--	--	--	1	27	3	1	10	2	1	16	3	1	13	2	2	13	3	1	11	1	1	7	1
9	1	5	2	--	--	--	1	31	4	1	15	3	2	7	4	1	8	2	1	11	3	1	11	4	2	17	4
10	1	3	2	--	--	--	1	9	4	2	11	4	2	6	3	2	16	4	1	16	4	1	12	2	1	7	3
11	1	25	4	--	--	--	1	10	2	1	9	2	2	32	5	1	11	2	1	35	3	3	19	8	1	7	1
12	1	2	1	2	25	5	1	28	4	1	27	3	1	29	3	1	8	1	1	12	1	1	4	2	--	--	--
13	1	1	1	1	5	2	1	18	2	1	21	2	2	8	4	1	22	4	4	29	9	1	7	1	1	27	3
14	1	33	5	1	31	2	1	34	6	1	5	1	1	4	2	1	3	2	1	15	3	1	17	4	1	6	1
15	1	3	1	1	7	2	1	5	3	1	21	3	2	27	4	2	15	4	1	6	1	1	3	2	1	45	5
16	3	27	7	1	2	1	1	28	4	1	12	2	1	21	3	1	17	2	2	17	4	1	13	4	1	6	2
17	1	4	2	1	29	4	1	23	4	--	--	--	2	8	3	1	9	2	1	8	2	1	4	2	1	6	1
18	1	29	4	1	8	2	1	4	2	2	19	4	1	4	2	1	11	3	1	19	7	1	15	3	1	29	4
19	1	23	4	1	31	4	3	25	8	1	7	2	1	22	4	1	8	2	1	9	3	1	6	2	1	6	2
20	1	3	2	1	5	2	1	7	3	1	19	3	2	11	4	1	14	3	1	8	2	1	14	3	1	5	1
21	1	28	4	1	32	4	1	3	2	1	6	3	1	4	2	1	9	2	5	21	9	1	4	2	1	24	3
22	1	4	2	2	5	2	3	26	5	1	4	2	1	2	2	1	3	1	2	11	3	1	3	1	1	9	2
23	1	8	2	1	16	2	1	8	2	1	28	3	2	27	5	1	18	4	1	8	2	1	22	5	1	5	1
24	2	31	6	2	29	5	1	24	6	1	11	3	1	4	2	1	8	2	1	26	2	1	3	2	1	26	3
25	1	3	2	1	3	2	1	7	3	1	3	1	3	24	6	5	13	7	1	9	3	1	2	1	1	5	1
26	1	40	6	19	35	23	1	3	2	1	19	8	2	5	4	1	7	4	1	7	2	9	14	11	1	4	1
27	2	18	6	2	25	7	6	45	15	2	8	5	1	15	3	1	10	3	--	--	--	2	10	5	3	33	8
28	1	5	2	1	31	4	1	11	4	1	9	2	1	33	6	1	16	2	1	13	4	1	4	2	1	20	3
29	1	24	4	1	12	3	1	29	5	1	2	1	1	16	3	1	13	3	1	7	1	1	15	4	1	44	2
30	1	3	1	1	28	3	1	4	2	1	32	5	1	3	1	1	7	1	1	17	3	1	6	1	1	25	3
31	1	29	2	1	8	1	1	29	2	1	6	1	1	26	2	1	16	1	1	8	1	1	26	1	1	5	1
Monthly Min/Max/Avg	1	40	3	1	40	4	1	45	4	1	32	3	1	33	3	1	28	2	1	35	3	1	31	3	1	45	2

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

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

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

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

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

March 2025

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

March 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	38.5	49.5	41.9	17.8	21.7	16.6	46.3	56.3	51.0	20.1	24.8	12.6	37.6	51.6	42.9	15.7	20.8	18.7	95.1	95.9	95.5
2	36.7	46.0	42.1	12.2	23.0	12.7	51.9	62.4	56.0	11.2	23.8	18.2	37.3	65.8	43.5	11.8	22.6	12.9	95.3	96.2	95.8
3	45.4	77.5	56.8	21.7	23.3	6.6	59.6	120.8	74.8	17.1	21.5	17.0	46.0	65.9	53.1	16.2	19.3	14.7	96.0	98.0	96.2
4	42.5	75.8	59.3	14.3	23.3	17.4	47.2	118.4	78.4	14.0	26.4	21.3	35.9	68.7	52.9	19.1	25.6	19.6	94.4	98.0	96.6
5	41.2	59.8	49.6	18.9	22.9	21.3	38.7	51.1	46.0	19.4	23.6	10.2	40.3	49.3	46.0	20.4	22.8	21.6	95.9	97.1	96.6
6	48.9	59.5	52.9	19.6	21.4	20.7	48.1	55.1	53.1	21.1	23.9	22.8	47.1	54.2	52.4	12.0	21.7	17.8	96.5	96.9	96.7
7	41.8	58.6	53.6	11.1	26.6	11.9	57.5	70.4	64.9	21.8	25.0	21.4	45.0	57.7	50.7	17.6	22.7	9.4	96.6	97.1	96.9
8	35.4	42.6	37.7	24.7	26.4	25.4	40.8	53.2	43.1	23.7	28.4	12.9	39.0	49.7	42.6	19.8	21.7	20.7	95.4	96.8	96.0
9	35.4	39.6	37.9	21.8	25.2	22.0	41.1	46.8	44.4	24.1	28.1	24.4	34.7	45.3	38.0	18.7	27.1	20.9	94.5	96.0	95.5
10	35.4	40.4	36.8	20.4	23.1	12.5	42.1	50.1	45.7	20.9	24.4	22.3	34.7	36.2	35.6	24.2	26.7	2.2	94.1	95.8	94.8
11	35.1	44.0	36.2	19.3	27.1	12.1	47.1	51.7	51.0	19.8	21.3	4.8	34.9	41.9	35.7	17.6	26.7	18.5	94.5	95.4	94.9
12	35.3	38.7	36.4	22.8	25.6	24.3	39.9	46.5	42.3	24.1	28.2	11.2	35.0	36.7	35.7	22.4	25.8	23.6	95.2	95.6	95.3
13	36.8	41.2	38.6	19.6	22.7	21.1	39.8	47.3	42.8	22.9	27.5	25.0	35.2	42.6	38.2	10.2	22.5	18.3	94.9	95.3	95.1
14	35.3	41.0	38.6	20.0	23.2	8.1	45.7	57.7	49.5	21.8	22.8	16.7	34.1	44.2	36.6	17.5	26.1	18.6	94.0	95.5	94.9
15	35.1	37.5	36.0	22.7	27.1	25.1	--	--	--	--	--	--	35.0	39.9	36.7	20.1	24.3	22.2	95.3	95.7	95.5
16	36.3	42.1	38.5	21.1	24.3	22.5	40.3	48.0	42.2	24.6	28.3	11.2	37.3	46.3	41.2	17.2	22.1	19.4	94.4	95.8	95.4
17	41.5	46.5	44.0	11.5	21.6	4.1	40.9	59.5	47.7	20.9	30.3	26.2	37.7	57.5	40.8	15.5	22.9	14.7	95.8	96.1	96.0
18	--	--	--	--	--	--	52.6	64.3	58.4	18.8	22.6	20.7	35.9	40.9	38.4	20.4	25.0	22.5	95.1	96.1	95.9
19	35.5	42.4	37.9	22.1	26.6	12.9	54.0	54.7	55.3	11.0	20.9	0.5	35.1	46.1	40.7	18.5	24.0	21.0	95.1	95.9	95.8
20	36.0	43.5	39.2	21.6	26.0	23.4	43.8	51.1	47.7	23.3	27.4	21.9	44.0	56.6	45.3	14.5	19.2	2.9	95.6	96.0	95.7
21	42.9	48.2	45.3	19.3	22.0	20.6	50.3	61.5	54.7	20.7	25.2	23.0	--	--	--	--	--	--	95.3	96.3	96.0
22	42.9	50.2	45.8	18.8	23.1	10.6	60.4	68.9	64.9	18.4	21.1	13.8	35.0	42.8	36.2	21.8	28.2	21.0	96.2	96.4	96.3
23	38.7	45.6	42.7	21.8	26.3	23.8	--	--	--	--	--	--	36.7	49.4	43.0	19.3	25.7	22.2	96.4	96.6	96.5
24	36.7	46.8	41.7	20.1	26.2	23.3	42.7	55.9	48.9	24.1	28.2	22.7	39.3	73.1	44.0	13.4	22.3	14.6	95.0	96.6	96.1
25	46.3	49.0	48.5	18.6	20.1	3.3	48.3	63.6	52.7	19.5	24.9	22.7	35.1	44.1	37.3	19.8	27.2	22.8	95.6	96.3	96.0
26	35.0	40.9	37.9	22.2	26.9	19.4	50.5	58.7	54.6	19.9	22.4	5.4	35.2	39.4	37.3	19.0	24.0	22.2	95.4	95.9	95.6
27	35.0	36.6	35.7	21.9	25.4	23.6	35.2	43.1	38.5	24.1	27.8	13.1	35.3	38.2	37.0	19.6	22.7	11.1	94.0	95.9	95.0
28	35.8	40.6	38.5	21.3	24.1	22.4	40.7	48.2	45.5	23.9	26.6	25.1	--	--	--	--	--	--	94.0	95.7	95.2
29	38.7	47.6	41.4	17.5	22.0	14.0	43.1	57.4	48.8	19.9	25.9	23.3	--	--	--	--	--	--	95.3	95.7	95.5
30	35.1	40.3	35.8	22.6	27.2	23.4	46.2	54.9	52.5	20.9	24.3	2.4	--	--	--	--	--	--	95.4	95.8	95.7
31	35.3	42.9	37.8	21.0	24.4	22.8	39.4	52.0	45.3	23.1	27.9	25.3	35.3	42.9	38.8	17.4	22.2	10.5	94.1	96.2	95.3
Monthly Total						528.0						498.2						464.5			
Monthly Min/Max/ Avg	35.0	77.5	42.2	11.1	27.2		35.2	120.8	51.8	11.0	30.3		34.1	73.1	41.5	10.2	28.2		94.0	98.0	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

1.2.13 Rossdale UV Disinfection - Filters 4 - 6

March 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	41.6	52.7	45.0	17.9	22.3	12.9	43.2	55.6	49.8	16.8	23.1	6.8	38.7	46.5	42.6	19.7	23.0	13.0	95.1	95.9	95.5
2	40.7	56.5	44.4	17.9	22.6	10.9	40.3	51.5	43.6	18.9	22.8	9.2	36.3	58.8	40.0	16.3	25.4	12.6	95.3	96.2	95.8
3	46.5	101.7	57.4	11.8	21.4	16.7	53.0	106.6	68.9	17.7	19.4	11.0	39.6	85.6	53.5	21.6	25.6	16.1	96.0	98.0	96.2
4	40.0	99.8	65.2	16.9	25.2	20.3	44.6	92.2	62.7	18.1	22.7	18.2	46.0	56.4	50.9	20.1	21.4	6.9	94.4	98.0	96.6
5	45.5	56.4	51.8	12.1	21.8	14.1	39.7	52.5	47.7	18.3	20.9	19.6	41.8	59.6	45.8	20.3	27.0	24.8	95.9	97.1	96.6
6	49.9	55.7	54.0	20.1	22.1	21.3	48.8	58.7	56.7	17.6	23.2	14.0	46.2	58.4	55.6	19.0	24.5	21.3	96.5	96.9	96.7
7	55.2	64.7	58.8	18.9	22.7	20.4	54.9	64.2	57.7	20.0	23.0	21.3	63.6	66.0	65.1	18.8	19.2	4.2	96.6	97.1	96.9
8	53.2	57.6	55.8	19.2	20.3	6.5	41.2	58.8	51.0	18.5	23.3	20.1	37.6	52.8	39.8	20.4	26.0	20.5	95.4	96.8	96.0
9	--	--	--	--	--	--	43.3	58.8	46.1	16.2	23.1	2.7	35.4	43.2	38.3	22.7	26.3	23.6	94.5	96.0	95.5
10	34.9	54.7	36.5	17.7	25.8	23.4	35.1	36.5	35.6	24.6	26.5	11.7	37.3	47.1	40.9	18.5	23.7	20.7	94.1	95.8	94.8
11	35.6	43.8	39.0	19.5	24.2	21.9	36.0	44.2	39.8	20.3	24.7	22.1	46.4	49.8	47.7	17.3	18.5	1.6	94.5	95.4	94.9
12	39.9	48.5	42.5	18.4	21.7	12.5	43.8	54.8	48.0	17.1	20.0	18.6	35.2	37.0	35.8	25.9	30.0	28.1	95.2	95.6	95.3
13	39.5	49.2	43.7	17.7	21.9	1.4	51.5	54.8	52.9	15.5	16.7	0.6	35.6	42.3	38.6	20.9	25.2	22.6	94.9	95.3	95.1
14	35.2	47.0	41.1	18.6	25.8	21.1	36.6	44.6	40.5	21.1	24.8	14.8	41.3	59.4	43.7	14.7	20.8	10.1	94.0	95.5	94.9
15	39.4	48.3	42.7	19.2	23.2	21.7	38.0	48.1	42.4	19.9	24.7	22.4	--	--	--	--	--	--	95.3	95.7	95.5
16	43.5	73.0	48.3	12.9	21.6	12.3	45.0	59.7	51.0	16.2	21.5	18.4	34.8	38.2	35.7	25.3	30.5	27.0	94.4	95.8	95.4
17	43.8	49.8	46.9	20.3	22.7	16.1	57.6	74.4	66.0	13.2	16.8	6.3	35.4	46.0	40.4	21.8	29.1	24.8	95.8	96.1	96.0
18	40.5	49.5	44.3	20.3	24.4	22.6	38.5	46.8	40.8	22.0	26.0	11.9	45.1	54.3	49.7	14.7	22.2	12.0	95.1	96.1	95.9
19	39.2	53.8	49.3	14.3	24.3	10.7	38.4	49.7	44.9	20.4	25.6	22.7	44.4	49.2	47.8	20.1	20.7	6.0	95.1	95.9	95.8
20	38.4	56.4	41.7	17.5	26.0	7.6	46.5	63.2	54.0	16.5	21.7	18.5	35.2	47.9	38.6	20.5	30.8	26.4	95.6	96.0	95.7
21	40.3	50.0	43.9	21.0	25.5	23.5	60.8	72.0	64.0	14.6	16.8	5.9	37.6	49.3	42.5	20.7	27.3	23.9	95.3	96.3	96.0
22	48.0	64.1	54.2	16.9	21.5	19.4	42.8	48.5	46.0	22.7	25.9	11.4	48.4	56.9	51.9	15.5	20.9	10.9	96.2	96.4	96.3
23	60.7	65.1	62.2	16.5	17.3	1.3	45.6	56.4	51.2	20.6	24.6	22.2	38.4	54.0	44.7	20.5	29.4	9.4	96.4	96.6	96.5
24	40.1	51.0	43.2	21.9	26.2	8.0	46.8	63.6	55.2	16.7	21.9	19.4	35.4	45.3	40.1	22.8	29.2	26.3	95.0	96.6	96.1
25	38.0	52.6	42.7	19.5	25.2	23.0	38.2	52.3	41.9	19.2	26.2	20.5	42.7	50.9	45.2	18.9	22.9	16.2	95.6	96.3	96.0
26	38.8	54.3	46.6	16.8	24.0	20.5	38.8	53.7	46.3	17.1	24.9	21.2	35.4	43.1	39.2	20.7	29.9	4.7	95.4	95.9	95.6
27	41.3	53.8	43.2	16.5	20.5	1.9	42.9	53.9	49.4	15.1	20.0	12.8	35.4	36.1	35.7	24.3	28.7	7.3	94.0	95.9	95.0
28	37.0	52.0	40.7	17.3	25.8	19.2	36.6	38.3	37.4	25.5	26.1	7.9	35.4	37.7	36.1	25.4	28.3	26.9	94.0	95.7	95.2
29	35.1	46.3	40.0	20.5	26.7	23.5	36.9	45.4	40.7	21.6	26.1	23.6	36.0	44.0	39.6	21.6	26.0	23.4	95.3	95.7	95.5
30	43.3	53.2	47.3	18.0	21.9	19.9	43.7	52.4	47.8	18.7	22.3	20.2	43.1	50.5	46.2	18.8	21.9	10.5	95.4	95.8	95.7
31	46.4	52.6	48.4	13.6	19.2	0.1	47.3	52.1	49.8	16.6	19.1	12.5	36.7	44.7	39.1	21.1	26.1	7.3	94.1	96.2	95.3
Monthly Total						454.7						468.6						489.3			
Monthly Min/Max/ Avg	34.9	101.7	47.4	11.8	26.7		35.1	106.6	49.4	13.2	26.5		34.8	85.6	43.7	14.7	30.8		94.0	98.0	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

1.2.14 Rossdale UV Disinfection - Filters 7 - 9

March 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	35.0	36.5	35.7	20.2	25.2	15.3	35.6	45.1	39.5	20.8	26.4	17.3	37.4	44.7	41.2	21.3	26.1	15.7	95.1	95.9	95.5
2	33.2	57.9	35.8	20.6	25.2	13.4	39.1	46.0	43.4	21.4	25.6	18.5	39.5	45.1	42.7	21.7	25.8	18.4	95.3	96.2	95.8
3	41.1	71.5	50.9	19.3	20.7	7.8	45.0	91.9	55.9	18.4	23.0	17.6	44.0	82.6	51.2	13.7	24.1	16.3	96.0	98.0	96.2
4	37.3	69.7	54.4	18.9	20.3	11.7	41.4	89.6	60.9	19.2	24.4	21.8	40.7	66.4	54.8	21.6	26.4	22.7	94.4	98.0	96.6
5	35.3	46.2	37.2	19.7	24.4	23.4	46.1	59.7	53.9	12.0	24.8	18.8	41.8	56.6	49.5	15.9	25.6	21.0	95.9	97.1	96.6
6	36.9	45.1	39.3	11.0	24.6	15.1	48.0	55.9	51.8	21.6	24.0	22.8	46.7	56.5	52.7	20.4	25.0	18.8	96.5	96.9	96.7
7	36.2	42.9	39.4	22.2	24.8	23.7	44.8	58.1	51.2	21.8	26.7	24.3	49.3	59.9	54.1	21.3	24.3	23.1	96.6	97.1	96.9
8	33.0	39.8	36.6	21.2	22.9	22.1	50.1	53.8	52.7	14.6	22.2	4.4	45.5	55.7	50.5	19.7	22.2	12.8	95.4	96.8	96.0
9	35.3	37.6	35.9	22.1	23.2	10.6	35.8	51.2	38.5	20.5	25.6	22.3	35.6	38.5	37.0	25.0	26.1	12.4	94.5	96.0	95.5
10	35.4	35.9	35.7	20.5	22.5	0.2	35.2	40.4	36.2	22.6	27.2	25.3	35.0	38.3	35.9	22.9	26.4	25.1	94.1	95.8	94.8
11	35.0	36.6	35.6	22.4	29.2	27.5	37.7	51.0	40.0	16.8	23.5	12.8	35.5	42.3	38.2	21.3	25.2	22.9	94.5	95.4	94.9
12	35.1	36.0	35.6	22.8	25.4	24.5	--	--	--	--	--	0.0	--	--	--	--	--	--	95.2	95.6	95.3
13	35.1	48.2	35.7	13.7	23.8	13.1	35.2	36.1	35.6	25.3	30.0	28.4	35.3	37.5	36.2	24.7	26.8	11.5	94.9	95.3	95.1
14	--	--	--	--	--	--	35.1	42.7	36.8	21.8	26.5	25.2	35.0	37.6	36.3	24.4	28.4	26.0	94.0	95.5	94.9
15	33.4	36.0	35.6	20.7	33.1	13.0	37.4	41.0	40.3	20.3	25.0	15.2	35.9	44.0	39.8	21.6	26.0	23.6	95.3	95.7	95.5
16	33.4	36.1	35.6	26.7	32.3	29.3	--	--	--	--	--	--	43.7	54.9	44.8	16.2	21.9	1.7	94.4	95.8	95.4
17	34.9	36.1	35.7	23.1	27.3	10.8	35.2	41.9	37.4	24.5	34.1	26.3	35.2	38.6	36.7	26.7	30.8	11.3	95.8	96.1	96.0
18	--	--	--	--	--	--	36.9	43.5	40.0	23.4	27.5	25.5	36.0	39.9	37.5	25.3	29.2	27.5	95.1	96.1	95.9
19	33.9	44.0	38.3	22.9	30.9	24.6	35.3	46.9	41.2	21.0	28.0	16.9	35.4	43.9	39.2	23.2	29.2	26.1	95.1	95.9	95.8
20	35.2	41.0	37.1	24.2	29.9	26.6	--	--	--	--	--	--	42.2	49.9	46.2	13.2	23.9	14.3	95.6	96.0	95.7
21	40.4	55.9	43.6	17.2	24.7	18.8	35.2	42.2	36.6	25.9	30.3	20.3	36.2	41.8	37.1	25.7	29.9	5.8	95.3	96.3	96.0
22	--	--	--	--	--	--	37.8	45.7	41.4	24.1	28.4	26.2	36.2	43.7	39.4	25.2	29.9	27.7	96.2	96.4	96.3
23	39.3	45.9	42.5	23.5	27.8	23.7	44.5	56.2	48.0	19.8	24.9	15.3	41.4	49.5	45.1	22.8	27.0	24.9	96.4	96.6	96.5
24	34.4	43.8	39.5	23.1	29.0	26.1	35.4	42.4	39.2	25.7	30.7	16.8	38.6	47.0	43.9	23.8	25.9	15.4	95.0	96.6	96.1
25	35.1	80.4	41.8	11.7	29.8	11.8	35.4	48.8	40.7	21.4	28.9	24.8	35.1	45.2	38.6	23.2	29.2	26.4	95.6	96.3	96.0
26	35.2	37.6	36.4	24.5	28.6	26.4	35.4	44.3	39.9	22.4	28.5	21.3	35.1	45.1	38.1	20.5	29.6	18.0	95.4	95.9	95.6
27	35.2	38.1	35.7	23.6	29.6	26.8	35.1	37.1	35.7	25.7	29.3	27.5	34.9	36.4	35.6	26.5	29.9	28.3	94.0	95.9	95.0
28	35.3	40.0	35.7	21.9	25.4	4.0	35.2	38.7	36.6	24.9	29.0	26.9	35.2	39.4	36.9	24.7	27.1	17.8	94.0	95.7	95.2
29	35.2	36.6	35.8	25.7	32.7	25.7	37.4	39.2	38.0	24.2	25.8	2.3	37.7	42.6	38.7	23.7	26.0	7.5	95.3	95.7	95.5
30	35.7	39.3	37.3	23.5	26.5	24.9	37.0	50.6	40.7	19.5	25.2	12.6	35.1	40.3	37.5	24.4	28.8	26.3	95.4	95.8	95.7
31	37.6	47.7	39.1	11.4	23.6	12.9	35.2	40.3	37.4	23.5	28.2	26.1	35.2	41.4	37.7	24.2	27.7	25.5	94.1	96.2	95.3
Monthly Total						513.8						563.7						574.8			
Monthly Min/Max/ Avg	33.0	80.4	38.5	11.0	33.1		35.1	91.9	42.5	12.0	34.1		34.9	82.6	41.8	13.2	30.8		94.0	98.0	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

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

March 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	66.3	81.3	71.3	65.0	101.9	88.0	52.8	62.4	56.4	64.0	97.8	85.1	52.9	64.7	57.0	69.6	105.9	93.7	--	--	--	--	--	--	96.1	96.4	96.2
2	68.0	78.8	70.8	83.8	100.7	92.8	54.2	65.4	57.9	79.8	99.1	89.9	55.4	64.6	58.1	89.8	106.9	99.2	--	--	--	--	--	--	96.3	96.7	96.5
3	75.6	83.2	78.8	80.6	101.3	92.6	60.4	67.4	64.0	76.6	99.0	89.6	61.0	67.6	64.0	87.0	106.9	98.8	--	--	--	--	--	--	96.7	97.4	97.2
4	56.4	77.3	63.7	79.1	99.1	91.3	45.1	87.2	65.5	77.3	96.6	88.4	45.8	89.7	64.9	85.7	104.6	97.6	--	--	--	--	--	--	95.1	96.8	95.9
5	63.8	91.4	41.9	85.7	103.7	55.3	49.0	76.7	35.1	83.6	98.9	53.7	49.8	76.8	35.0	92.6	107.2	59.2	--	--	--	--	--	--	95.4	96.4	95.9
6	49.8	88.9	74.6	67.9	96.2	85.5	61.7	82.2	72.1	64.0	92.4	53.2	61.9	84.9	71.7	65.4	101.3	86.2	47.1	99.4	49.9	71.4	84.3	39.0	96.4	97.2	96.9
7	47.6	92.9	68.5	78.1	96.2	88.4	--	--	--	--	--	--	72.0	128.4	74.6	74.3	89.3	84.0	47.1	47.4	47.2	73.7	84.4	80.8	97.1	97.5	97.3
8	47.1	53.6	49.5	75.9	93.9	85.6	--	--	--	--	--	--	69.1	76.5	73.4	71.9	88.3	81.3	47.1	48.1	47.3	70.7	82.9	78.1	96.3	97.4	97.0
9	47.7	55.8	51.3	68.9	87.4	75.1	--	--	--	--	--	--	70.4	81.9	75.7	63.8	81.9	71.2	47.0	47.4	47.2	65.3	77.7	68.5	97.0	97.2	97.1
10	47.2	86.8	54.5	68.7	128.1	81.8	--	--	--	--	--	--	54.9	80.0	73.0	65.7	116.4	77.5	47.1	135.8	47.6	34.7	77.6	69.8	96.6	97.0	96.8
11	47.7	56.0	51.8	70.8	88.7	80.9	--	--	--	--	--	--	72.3	81.9	75.7	67.4	82.7	76.6	47.1	48.8	47.4	66.2	77.8	73.9	96.6	97.7	97.3
12	50.2	57.8	53.6	70.0	85.4	79.4	--	--	--	--	--	--	72.9	85.3	77.4	66.9	80.4	75.5	47.1	47.4	47.2	66.7	76.1	72.8	97.1	97.5	97.4
13	48.9	298.2	53.5	20.2	84.5	28.7	65.3	169.6	73.2	45.0	79.6	48.0	70.3	166.7	76.5	65.7	82.0	76.9	47.1	49.4	47.3	63.6	78.7	74.2	96.3	97.2	96.9
14	--	--	--	--	--	--	63.5	76.2	67.0	62.9	81.1	75.2	70.3	78.3	73.9	65.4	83.7	78.2	47.1	47.4	47.2	71.0	80.6	75.9	96.3	96.8	96.7
15	--	--	--	--	--	--	62.5	70.1	65.5	68.9	82.9	76.8	70.1	76.7	72.7	72.4	85.4	79.9	47.0	47.5	47.2	71.2	81.0	77.5	96.6	96.9	96.8
16	--	--	--	--	--	--	61.9	68.7	64.6	68.7	84.0	77.2	68.0	76.7	71.1	72.4	86.3	80.4	47.1	47.4	47.2	70.8	81.8	77.8	96.6	96.9	96.8
17	76.4	223.7	87.0	75.3	91.7	23.8	60.5	200.0	64.8	70.2	86.1	56.4	67.6	77.7	71.5	71.7	87.3	81.0	47.1	47.5	47.2	70.3	84.2	78.8	96.6	96.8	96.8
18	--	--	--	--	--	--	60.5	66.8	62.3	71.3	84.1	79.4	67.4	73.7	69.7	72.4	87.2	82.6	47.1	47.4	47.3	73.8	83.1	80.2	96.1	96.8	96.5
19	--	--	--	--	--	--	59.8	65.7	62.0	70.4	84.4	79.7	66.8	74.1	69.1	75.0	87.9	83.1	47.1	47.4	47.2	73.4	83.2	80.2	96.0	96.6	96.4
20	--	--	--	--	--	--	59.7	66.7	61.7	71.9	84.9	80.0	67.6	73.9	69.3	73.9	87.2	83.1	47.1	47.3	47.2	74.2	83.1	80.7	96.2	96.5	96.4
21	--	--	--	--	--	--	59.8	66.7	62.4	71.0	84.5	79.2	66.7	73.8	68.8	74.4	87.5	82.5	46.9	47.4	47.2	73.4	82.5	79.9	96.2	96.6	96.5
22	--	--	--	--	--	--	61.0	68.3	64.1	67.7	84.5	77.2	68.9	76.3	72.0	71.0	86.9	80.2	47.1	47.4	47.2	70.0	82.3	78.0	96.5	96.8	96.7
23	--	--	--	--	--	--	59.8	73.1	66.2	65.3	90.3	76.9	66.9	81.1	74.1	68.4	93.6	79.9	47.0	47.3	47.2	67.1	89.2	77.7	96.6	97.0	96.8
24	--	--	--	--	--	--	59.0	63.7	61.1	77.3	91.3	85.8	66.2	73.9	68.7	80.7	94.2	89.3	47.1	47.4	47.2	79.4	90.0	86.6	96.6	96.9	96.8
25	--	--	--	--	--	--	63.3	76.8	71.2	65.2	84.9	76.4	71.8	84.4	79.2	68.3	87.5	79.1	47.1	47.4	47.2	68.4	84.4	77.4	96.9	97.5	97.3
26	--	--	--	--	--	--	62.6	238.4	93.4	30.3	90.9	20.9	69.7	272.1	102.7	31.7	93.3	21.7	47.3	208.8	52.7	35.6	89.9	21.1	97.0	97.2	97.2
27	--	--	--	--	--	--	52.9	73.8	65.8	76.6	93.1	86.1	61.3	81.8	72.7	80.1	96.6	89.6	44.5	49.8	47.2	78.3	92.7	86.5	96.5	97.2	96.8
28	--	--	--	--	--	--	63.0	79.4	70.1	70.7	91.1	81.2	69.7	87.2	77.5	74.6	94.2	84.3	46.4	48.1	47.2	73.4	90.5	81.9	97.0	97.2	97.1
29	--	--	--	--	--	--	67.7	81.0	75.2	70.0	86.2	78.2	76.1	89.7	82.9	73.4	88.6	81.2	44.3	49.0	47.2	72.3	85.5	79.0	97.1	97.5	97.3
30	--	--	--	--	--	--	66.3	83.9	75.3	65.5	84.4	76.4	73.9	92.3	82.8	68.2	87.6	79.6	45.3	49.6	47.2	67.5	84.3	77.0	97.1	97.4	97.3
31	--	--	--	--	--	--	70.9	85.8	75.9	65.5	85.0	78.1	78.3	93.0	83.4	69.8	87.6	81.3	46.7	48.0	47.2	68.1	84.2	78.7	97.2	97.5	97.4
Monthly Total						1,049.2						1,849.1						2,494.6						1,931.9			
Monthly Min/Max/ Avg	47.1	298.2	62.2	20.2	128.1		45.1	238.4	66.1	30.3	99.1		45.8	272.1	72.2	31.7	116.4		44.3	208.8	47.6	34.7	92.7		95.1	97.7	96.8

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

March 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	8.3	8.6	8.4	14	15	15	7.0	7.0	7.0	7.1	7.2	7.2	6.2	7.9	7.0	7.0	7.0	7.0
2	8.2	8.6	8.4	14	15	14	7.0	7.0	7.0	7.1	7.2	7.1	6.2	7.4	6.8	7.0	7.0	7.0
3	8.0	8.6	8.4	14	16	15	7.0	7.0	7.0	7.1	7.2	7.1	5.9	7.2	6.5	7.0	7.0	7.0
4	7.9	8.6	8.1	13	17	15	7.0	7.0	7.0	7.1	7.2	7.1	5.6	7.2	6.6	7.0	7.0	7.0
5	8.0	8.4	8.3	14	16	15	7.0	7.0	7.0	7.2	7.2	7.2	7.0	9.0	7.6	7.0	7.0	7.0
6	8.1	8.4	8.3	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.0	9.1	7.8	7.0	7.0	7.0
7	8.2	8.5	8.4	14	16	15	7.0	7.0	7.0	7.1	7.2	7.2	6.7	8.9	7.9	7.0	7.0	7.0
8	8.1	8.5	8.2	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.3	8.6	8.0	7.0	7.0	7.0
9	8.1	8.5	8.2	13	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	8.4	8.0	7.0	7.0	7.0
10	8.1	8.5	8.2	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	8.0	8.8	8.4	7.0	7.0	7.0
11	8.2	8.4	8.3	14	15	14	6.9	7.0	7.0	7.2	7.2	7.2	7.1	9.1	8.3	7.0	7.0	7.0
12	8.2	8.4	8.3	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.7	8.8	8.2	7.0	7.0	7.0
13	8.0	8.4	8.2	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.8	9.2	8.3	7.0	7.0	7.0
14	7.9	8.3	8.2	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.9	9.0	8.5	7.0	7.0	7.0
15	8.1	8.3	8.2	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	8.8	8.2	7.0	7.0	7.0
16	8.2	8.3	8.3	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.2	9.0	8.4	7.0	7.0	7.0
17	8.2	8.3	8.3	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	9.0	8.3	7.0	7.0	7.0
18	8.2	8.3	8.2	14	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.7	8.7	8.1	7.0	7.0	7.0
19	8.2	8.3	8.2	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	9.2	8.1	7.0	7.0	7.0
20	8.2	8.3	8.2	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	8.3	9.1	8.7	7.0	7.0	7.0
21	8.2	8.3	8.2	14	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.7	9.0	8.5	7.0	7.0	7.0
22	8.2	8.3	8.3	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	8.0	9.1	8.6	7.0	7.0	7.0
23	8.2	8.3	8.2	14	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.2	8.7	8.0	7.0	7.0	7.0
24	8.0	8.2	8.1	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.7	9.0	8.3	7.0	7.0	7.0
25	8.0	8.1	8.0	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	8.9	8.3	7.0	7.0	7.0
26	7.9	8.4	8.1	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	8.5	7.5	7.0	7.0	7.0
27	8.1	8.4	8.3	13	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.4	9.3	8.1	7.0	7.0	7.0
28	8.2	8.4	8.3	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.2	8.9	8.1	7.0	7.0	7.0
29	8.3	8.4	8.3	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.9	9.4	8.5	7.0	7.0	7.0
30	8.2	8.4	8.3	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.4	8.7	8.1	7.0	7.0	7.0
31	8.0	8.3	8.1	13	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.2	9.4	8.3	7.0	7.0	7.0
Monthly Min/Max/Avg	7.9	8.6	8.2	13	17	14	6.9	7.0	7.0	7.1	7.2	7.2	5.6	9.4	8.0	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

March 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	28.9	--	23.7	8,028	--	8,028	15,024
2	27.9	--	23.8	7,715	--	7,715	15,718
3	31.0	27.1	21.8	8,371	523	8,894	14,371
4	32.4	32.4	33.1	6,011	5,535	11,546	21,609
5	43.6	43.6	45.6	8,094	8,088	16,181	19,041
6	48.7	48.6	48.4	9,029	9,027	18,055	29,336
7	49.5	49.6	50.1	7,605	9,207	16,812	29,041
8	47.6	47.7	46.8	6,870	8,157	15,028	25,679
9	45.0	45.0	47.8	6,224	7,113	13,337	24,577
10	45.0	45.0	46.6	6,495	7,422	13,917	24,546
11	45.0	45.0	50.7	6,541	7,523	14,064	26,255
12	46.6	46.6	51.0	6,721	7,680	14,402	26,420
13	49.6	49.6	44.3	7,160	8,609	15,768	22,887
14	45.6	45.5	41.1	6,575	8,124	14,699	21,776
15	38.9	38.9	36.2	5,619	6,423	12,042	19,468
16	32.7	32.7	30.2	4,716	5,389	10,105	16,227
17	30.0	30.0	29.7	4,330	4,949	9,279	15,958
18	30.0	30.0	27.5	4,330	4,947	9,277	14,788
19	29.9	29.9	25.9	4,310	4,930	9,240	13,915
20	29.4	29.4	25.4	4,250	4,855	9,104	13,669
21	28.0	28.0	23.8	4,042	4,617	8,658	12,792
22	27.9	27.9	21.6	4,030	4,608	8,638	11,067
23	26.0	26.0	21.2	3,789	4,322	8,110	11,026
24	26.5	26.5	22.2	4,531	5,424	9,955	12,807
25	33.8	33.8	32.7	5,571	6,963	12,534	16,756
26	51.4	51.5	53.8	8,150	9,948	18,099	9,068
27	59.7	59.8	63.0	8,737	11,214	19,951	36,517
28	61.1	61.1	65.5	8,821	11,341	20,162	37,408
29	54.9	54.6	61.0	7,325	10,125	17,451	32,715
30	41.2	41.2	54.5	5,099	7,645	12,745	29,265
31	39.1	39.1	60.0	4,832	7,250	12,081	32,238
Monthly Total				193,920	201,958	395,878	651,966
Monthly Avg	39.6	40.2	39.7	6,255	6,964	12,770	21,031

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

March 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	0.40	--	0.17	54	--	54	51
2	0.40	--	0.16	54	--	54	51
3	0.40	0.32	0.16	52	3	55	52
4	0.38	0.37	0.17	34	31	65	53
5	0.35	0.35	0.18	32	32	63	37
6	0.35	0.35	0.18	32	32	63	52
7	0.35	0.34	0.16	26	31	57	44
8	0.31	0.30	0.14	22	25	47	37
9	0.30	0.30	0.15	20	23	43	37
10	0.30	0.30	0.14	21	24	45	36
11	0.30	0.30	0.14	21	24	45	36
12	0.30	0.30	0.14	21	24	45	36
13	0.30	0.30	0.14	21	25	46	36
14	0.29	0.30	0.14	21	26	46	36
15	0.25	0.25	0.14	18	20	38	37
16	0.25	0.25	0.14	18	20	38	37
17	0.25	0.25	0.14	18	20	38	37
18	0.25	0.25	0.14	18	20	38	37
19	0.25	0.25	0.14	18	20	38	37
20	0.25	0.25	0.14	18	20	38	37
21	0.25	0.25	0.14	18	20	38	37
22	0.25	0.25	0.14	18	20	38	35
23	0.25	0.25	0.14	18	20	38	36
24	0.25	0.25	0.14	21	25	45	39
25	0.25	0.25	0.14	20	25	45	35
26	0.29	0.29	0.15	22	27	49	12
27	0.30	0.30	0.17	21	27	49	49
28	0.30	0.30	0.19	21	27	48	51
29	0.30	0.30	0.20	19	27	46	53
30	0.29	0.29	0.22	18	26	44	57
31	0.25	0.25	0.22	15	23	38	57
Monthly Total				744	686	1,431	1,274
Monthly Avg	0.30	0.29	0.16	24	24	46	41

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

March 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	0.67	--	1.88	89	--	89	602
3	10.3	3.70	9.75	1,356	35	1,391	3,115
4	18.3	18.5	24.2	1,652	1,531	3,183	7,664
5	43.8	43.7	42.0	3,942	3,937	7,879	8,493
6	45.3	44.6	39.3	4,075	4,017	8,092	11,540
7	33.4	32.3	26.2	2,486	2,910	5,397	7,366
8	20.3	20.0	19.6	1,421	1,663	3,084	5,218
9	20.1	20.0	19.6	1,350	1,537	2,887	4,900
10	18.8	18.6	18.1	1,316	1,490	2,806	4,634
11	14.6	13.5	13.1	1,026	1,098	2,124	3,295
12	8.43	6.98	4.75	590	558	1,148	1,193
13	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--
24	--	--	0.83	--	--	--	233
25	5.27	4.74	11.5	422	474	896	2,864
26	33.8	30.8	29.8	2,604	2,886	5,490	2,436
27	50.7	50.6	45.7	3,598	4,606	8,204	12,839
28	50.1	48.6	46.3	3,507	4,375	7,883	12,814
29	35.6	35.2	34.2	2,305	3,165	5,470	8,891
30	23.8	23.6	16.5	1,427	2,123	3,550	4,303
31	16.7	15.7	6.92	1,002	1,415	2,417	1,803
Monthly Total				34,168	37,821	71,989	104,201
Monthly Avg	25.0	25.4	21.6	1,898	2,225	3,999	5,484

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

March 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	3.00	--	50,519	--	52,332	3.12	126,078
2	2.90	--	48,500	--	50,227	3.10	130,715
3	3.01	--	49,263	--	51,557	3.41	143,123
4	2.84	2.63	31,939	27,174	63,188	3.97	165,116
5	3.23	3.25	36,316	36,599	78,080	4.29	114,267
6	3.42	3.41	38,417	38,412	82,046	4.30	166,416
7	3.24	3.23	30,118	36,355	68,470	3.96	146,329
8	3.03	3.03	26,489	31,440	59,883	3.72	130,081
9	3.08	3.08	25,859	29,546	58,169	3.68	120,755
10	3.09	3.09	26,998	30,862	60,885	3.61	121,259
11	2.96	2.90	26,071	29,397	57,713	3.54	116,861
12	2.90	2.87	25,381	28,708	56,465	3.55	117,106
13	2.61	2.51	22,802	26,403	51,558	3.48	114,787
14	2.52	2.35	22,088	25,383	49,816	3.18	107,646
15	2.53	2.54	22,109	25,403	49,302	3.17	108,857
16	2.40	2.40	20,997	23,994	46,763	3.12	106,756
17	2.38	2.38	20,852	23,843	45,974	3.05	104,506
18	2.35	2.34	20,574	23,393	46,752	2.98	102,041
19	2.65	2.63	23,220	26,282	52,176	2.90	99,384
20	2.70	2.67	23,656	26,689	52,382	2.84	97,493
21	2.68	2.63	23,478	26,330	51,702	2.78	95,451
22	2.64	2.62	23,109	26,242	51,385	2.76	90,201
23	2.45	2.37	21,683	23,919	47,588	2.75	91,340
24	2.44	2.41	25,255	29,900	57,755	2.67	98,120
25	2.51	2.45	25,133	30,670	57,910	2.79	90,961
26	2.80	2.74	26,942	32,093	62,653	3.28	35,251
27	3.01	2.92	26,727	33,184	64,000	3.46	127,865
28	3.08	3.00	26,955	33,796	64,621	3.58	130,510
29	2.95	2.89	23,844	32,551	58,796	3.57	122,055
30	2.83	2.80	21,227	31,550	54,961	3.45	118,261
31	2.70	2.67	20,258	29,980	52,181	3.47	118,933
Monthly Total			856,780	820,101	1,757,291		3,558,524
Monthly Avg	2.80	2.74	27,638	29,289	56,687	3.34	114,791

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

March 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.29	0.08	37	25
2	0.25	0.10	31	32
3	0.29	0.10	36	33
4	0.31	0.10	50	32
5	0.19	0.10	34	20
6	0.19	0.13	34	38
7	0.19	0.13	31	37
8	0.17	0.10	25	27
9	0.15	0.10	20	26
10	0.15	0.12	21	31
11	0.15	0.12	21	30
12	0.15	0.14	21	35
13	0.15	0.15	21	37
14	0.15	0.18	20	45
15	0.10	0.18	15	47
16	0.10	0.18	14	47
17	0.10	0.18	14	47
18	0.10	0.18	14	47
19	0.10	0.18	14	47
20	0.10	0.18	14	47
21	0.10	0.18	14	47
22	0.10	0.18	14	45
23	0.10	0.18	14	45
24	0.10	0.18	17	50
25	0.10	0.19	17	46
26	0.10	0.19	16	15
27	0.10	0.23	15	64
28	0.10	0.27	15	74
29	0.14	0.24	20	62
30	0.15	0.23	20	60
31	0.15	0.19	20	50
Monthly Total			666	1,287
Monthly Avg	0.15	0.16	21	42

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

March 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.58	--	394	--
2	0.58	--	387	--
3	0.58	--	378	--
4	0.58	--	485	--
5	0.57	--	524	--
6	0.57	--	524	--
7	0.57	--	479	--
8	0.57	--	436	--
9	0.57	--	417	--
10	0.57	--	430	--
11	0.57	--	433	--
12	0.57	--	428	--
13	0.57	--	426	--
14	0.57	--	422	--
15	0.57	--	430	--
16	0.57	--	425	--
17	0.57	--	421	--
18	0.57	--	428	--
19	0.57	--	425	--
20	0.57	--	425	--
21	0.57	--	425	--
22	0.57	--	423	--
23	0.57	--	428	--
24	0.57	--	518	--
25	0.57	--	515	--
26	0.57	--	478	--
27	0.57	--	457	--
28	0.57	--	451	--
29	0.57	--	431	--
30	0.57	--	421	--
31	0.57	--	420	--
Monthly Total			13,684	--
Monthly Avg	0.57	--	441	--

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

March 2025

Day	Dosage (mg/L)	Consumption (kg)
	E.L. Smith	E.L. Smith
1	0.54	1,481
2	0.54	1,565
3	0.54	1,559
4	0.53	1,509
5	0.50	855
6	0.52	1,404
7	0.52	1,348
8	0.52	1,303
9	0.52	1,143
10	0.52	1,218
11	0.53	1,252
12	0.55	1,280
13	0.55	1,282
14	0.55	1,290
15	0.55	1,318
16	0.55	1,326
17	0.55	1,350
18	0.55	1,363
19	0.55	1,367
20	0.55	1,372
21	0.55	1,359
22	0.55	1,322
23	0.55	1,319
24	0.55	1,473
25	0.55	1,310
26	0.54	349
27	0.55	1,473
28	0.55	1,393
29	0.55	1,343
30	0.55	1,311
31	0.55	1,340
Monthly Total		40,577
Monthly Avg	0.54	1,309

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

March 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	3.55	3.04	795	1,621
2	4.52	3.99	921	2,249
3	5.48	3.52	1,133	1,977
4	5.93	5.31	1,660	2,943
5	9.33	8.73	2,907	2,937
6	11.9	10.6	3,716	5,577
7	12.4	11.5	3,538	5,847
8	12.1	11.2	3,115	5,490
9	11.1	11.0	2,722	4,725
10	11.0	11.2	2,805	5,150
11	10.5	11.6	2,674	5,367
12	10.3	12.8	2,495	5,833
13	10.4	11.5	2,486	5,254
14	10.3	10.1	2,510	4,635
15	8.97	9.18	2,249	4,297
16	7.47	7.37	1,872	3,470
17	6.46	6.42	1,561	3,083
18	5.28	5.89	1,322	2,855
19	4.90	4.98	1,214	2,418
20	4.61	4.55	1,145	2,219
21	4.55	4.05	1,135	1,959
22	4.11	3.38	1,013	1,589
23	3.81	2.73	946	1,280
24	3.38	3.02	1,054	1,581
25	4.12	4.46	1,281	2,076
26	8.33	7.44	2,337	949
27	12.8	12.5	3,281	6,563
28	14.6	14.0	3,785	6,911
29	14.5	14.6	3,663	6,961
30	10.7	12.5	2,619	5,831
31	7.56	14.5	1,849	6,915
Monthly Total			65,800	120,562
Monthly Avg	8.22	8.31	2,123	3,889

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
March 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.63	0.55	373	668
2	0.64	0.55	370	712
3	0.64	0.55	364	710
4	0.64	0.55	470	700
5	0.64	0.52	513	404
6	0.64	0.56	514	679
7	0.65	0.58	476	668
8	0.67	0.58	446	653
9	0.69	0.58	438	573
10	0.70	0.58	458	610
11	0.70	0.58	463	616
12	0.70	0.58	457	606
13	0.68	0.58	443	607
14	0.68	0.58	439	611
15	0.68	0.58	447	623
16	0.68	0.58	442	627
17	0.68	0.57	438	628
18	0.68	0.56	445	622
19	0.68	0.56	441	625
20	0.68	0.55	442	619
21	0.68	0.54	442	599
22	0.68	0.54	440	583
23	0.68	0.54	446	581
24	0.68	0.55	538	665
25	0.68	0.56	535	599
26	0.68	0.54	494	159
27	0.68	0.56	476	677
28	0.68	0.58	468	660
29	0.68	0.58	448	636
30	0.68	0.58	437	621
31	0.68	0.58	437	634
Monthly Total			14,038	18,972
Monthly Avg	0.67	0.56	453	612

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

March 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	33.8	11.7	1,424	1,930	16	63
2	34.8	11.4	2,069	1,849	23	62
3	20.4	11.7	1,358	1,789	25	58
4	21.0	14.4	1,096	2,220	20	58
5	32.9	20.0	1,032	3,593	12	69
6	30.8	18.9	905	2,026	11	41
7	34.3	17.8	904	1,944	10	41
8	20.5	22.1	650	1,644	12	28
9	20.7	14.6	517	1,723	9.6	45
10	22.6	15.1	642	1,289	11	33
11	23.9	15.2	776	1,054	12	26
12	19.1	13.9	515	1,102	10	30
13	13.4	21.3	646	1,597	18	29
14	13.6	23.0	775	2,305	22	38
15	15.2	21.8	385	2,010	9.7	35
16	20.8	20.8	647	1,842	12	34
17	21.8	23.6	1,035	1,775	18	29
18	14.6	25.7	383	1,692	10	25
19	22.4	61.6	775	4,024	13	25
20	16.2	24.3	516	1,546	12	25
21	19.8	17.6	646	1,273	13	28
22	17.2	23.6	644	1,154	14	19
23	20.4	15.8	646	1,041	12	25
24	18.1	16.4	642	1,078	14	26
25	23.6	24.7	906	1,435	15	22
26	29.9	27.6	1,562	2,255	20	31
27	20.0	24.1	900	2,084	17	25
28	14.6	21.3	516	2,208	14	39
29	16.8	24.3	648	2,003	15	32
30	20.0	20.4	775	1,987	15	37
31	19.1	21.1	775	1,789	16	33
Monthly Total			25,709	57,262	452	1,109
Monthly Avg	21.7	20.8	829	1,847	15	36

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

March 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)		291	20	131	38	4.4	485	60.14			391.93		
Solids (kg)	TSS	144,648	585	8,815			154,048						
	Aluminium	17,225	74	3,051			20,350						
# of Bypasses						1		Min	Max	Avg	Min	Max	Avg
pH								6.2	7.5	7.2	7.0	7.7	7.4
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								2.03	20.0	10.1	2.49	20.0	10.3

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

March 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		401	0.0	290	227	44	0.7	28	991	1,109		
Solids (kg)	TSS	299,355	0	19,557					318,911			
	Aluminium	28,239	0	6,770					35,009			
# of Bypasses						2				Min	Max	Avg
pH										6.66	7.83	7.44
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.25	20.0	12.6

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

March 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

2025 - HIGH 5-DAY DEMAND

	PLANTS PROD (ML/d)	RES. GAIN / LOSS (%)	RES. GAIN / LOSS (ML)	TOTAL DEMAND (ML)
24-Feb-2025	374	-1.4	-8.9	382
25-Feb-2025	397	3.2	20.3	377
26-Feb-2025	398	3.2	20.3	377
27-Feb-2025	382	0.5	3.4	378
28-Feb-2025	352	-4.8	-30.3	382
			AVERAGE:	**379**

Year to Date Data	2025	2024	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	33,230	32,950	0.9
AVG. DAILY DEMAND TO DATE (ML)	369	362	1.9
PEAK DAILY DEMAND TO DATE (ML)	390	379	2.9
PEAK HOURLY DEMAND TO DATE (ML)	519	503	3.3
HIGH 5-DAY AVERAGE TO DATE (ML)	379	374	1.5

Peak daily demand of 390 ML/d occurred on January 06, 2025

Peak hourly demand of 519 ML/d occurred on January 14, 2025 at 07:00

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

March 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	1.56	1.77	1.60	1.37	1.77	1.67	1.70	1.77	1.72	1.81	1.86	1.82	1.67	1.82	1.76	--	--	--
2	1.58	1.75	1.60	1.55	1.77	1.67	1.68	1.74	1.71	1.80	1.89	1.82	1.73	1.78	1.75	--	--	--
3	--	--	--	1.56	1.73	1.66	1.69	1.75	1.73	1.75	1.87	1.83	1.70	1.79	1.76	--	--	--
4	1.56	1.75	1.58	1.53	1.71	1.66	1.69	1.78	1.73	1.80	1.86	1.83	1.67	1.80	1.74	1.02	1.18	1.12
5	1.58	1.78	1.60	1.57	1.70	1.66	1.70	1.79	1.75	1.78	1.86	1.81	1.71	1.75	1.73	1.02	1.14	1.09
6	1.60	1.80	1.62	1.61	1.73	1.68	1.70	1.79	1.74	1.76	1.83	1.79	1.62	1.78	1.72	0.98	1.15	1.05
7	1.55	1.81	1.61	1.58	1.71	1.66	1.54	1.86	1.67	1.75	1.82	1.78	1.70	1.72	1.71	1.03	1.27	1.17
8	1.59	1.74	1.60	1.55	1.71	1.65	1.54	1.68	1.61	1.74	1.81	1.78	1.54	1.74	1.69	1.23	1.29	1.26
9	1.59	1.76	1.60	1.46	1.70	1.63	1.53	1.66	1.59	1.75	1.83	1.77	1.68	1.71	1.70	1.18	1.26	1.22
10	1.54	1.80	1.59	1.57	1.70	1.64	1.51	1.63	1.58	1.72	1.87	1.78	1.63	1.77	1.70	1.13	1.22	1.18
11	1.54	1.80	1.60	1.57	1.68	1.63	1.57	1.68	1.60	1.76	1.86	1.78	1.65	1.72	1.70	1.01	1.59	1.32
12	1.55	1.80	1.58	1.58	1.66	1.62	1.58	1.67	1.61	1.77	1.86	1.79	1.55	1.79	1.71	1.51	1.60	1.56
13	1.55	1.79	1.57	1.60	1.68	1.64	1.53	1.67	1.59	1.78	1.86	1.80	1.66	1.69	1.68	1.48	1.58	1.55
14	1.53	1.79	1.58	1.44	1.67	1.62	1.50	1.68	1.57	1.77	1.86	1.80	1.64	1.76	1.68	1.43	1.55	1.50
15	1.55	1.76	1.57	1.56	1.67	1.63	1.52	1.61	1.56	1.79	1.86	1.81	1.63	1.75	1.69	1.49	1.55	1.52
16	1.54	1.80	1.56	1.56	1.73	1.64	1.54	1.67	1.57	1.75	1.90	1.82	1.66	1.75	1.70	1.46	1.52	1.50
17	1.52	1.81	1.57	1.60	1.71	1.66	1.54	1.64	1.59	1.81	1.88	1.84	1.69	1.75	1.71	1.41	1.50	1.46
18	1.55	1.82	1.57	1.61	1.70	1.65	1.56	1.71	1.59	1.82	1.90	1.84	1.62	1.79	1.71	1.35	1.45	1.41
19	1.55	1.81	1.57	1.53	1.73	1.68	1.54	1.64	1.60	1.77	1.89	1.83	1.67	1.74	1.72	1.29	1.40	1.35
20	1.56	1.79	1.58	1.54	1.71	1.67	1.53	1.65	1.60	1.81	1.88	1.83	1.57	1.83	1.73	1.16	1.61	1.42
21	1.56	1.78	1.57	1.61	1.80	1.68	1.53	1.67	1.61	1.80	1.91	1.83	1.69	1.79	1.73	1.49	1.64	1.56
22	1.50	1.79	1.56	1.64	1.70	1.66	1.54	1.65	1.59	1.81	1.90	1.83	1.71	1.79	1.73	1.45	1.56	1.51
23	1.51	1.81	1.54	1.62	1.69	1.65	1.57	1.66	1.61	1.83	1.91	1.84	1.58	1.83	1.74	1.39	1.48	1.43
24	1.56	1.83	1.63	1.63	1.68	1.66	1.56	1.73	1.63	1.83	1.91	1.86	1.74	1.79	1.76	1.30	1.43	1.38
25	--	--	--	1.54	1.74	1.66	1.56	1.70	1.64	1.84	1.89	1.85	1.77	1.83	1.80	1.28	1.74	1.50
26	1.50	1.73	1.55	1.61	1.68	1.65	1.58	1.70	1.63	1.78	1.91	1.83	1.71	1.82	1.79	1.53	1.73	1.66
27	1.48	1.53	1.52	1.61	1.68	1.64	1.55	1.68	1.61	1.79	1.86	1.83	1.78	1.86	1.80	1.47	1.71	1.59
28	--	--	--	1.64	1.69	1.66	1.54	1.63	1.59	1.75	1.95	1.85	1.70	1.87	1.80	1.43	1.59	1.49
29	1.46	1.72	1.48	1.52	1.69	1.64	1.54	1.65	1.60	1.75	1.90	1.85	1.76	1.79	1.78	1.37	1.47	1.42
30	1.13	1.71	1.48	1.59	1.68	1.63	1.54	1.67	1.60	1.81	1.91	1.84	1.75	1.80	1.79	1.31	1.38	1.34
31	1.47	1.74	1.50	1.59	1.70	1.62	1.52	1.66	1.59	1.81	1.87	1.83	1.77	1.82	1.79	1.24	1.42	1.29
Monthly Min/Max/Avg	1.13	1.83	1.57	1.37	1.80	1.65	1.50	1.86	1.63	1.72	1.95	1.82	1.54	1.87	1.73	0.98	1.74	1.39

NOTES: '--' Indication Analyzer Offline

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

March 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				1.63	1.87	1.80	1.52	1.82	1.59	1.54	1.66	1.59	1.59	1.83	1.61	1.54	1.58	1.56
2				1.64	1.86	1.77	1.55	1.86	1.59	1.58	1.64	1.60	1.46	1.86	1.64	1.54	1.60	1.57
3	1.61	1.64	1.63	1.60	1.84	1.78				1.53	1.64	1.59				1.56	1.60	1.58
4	1.63	1.63	1.63	1.66	1.86	1.79	1.53	1.87	1.59	1.56	1.59	1.58	1.61	1.84	1.62	1.56	1.60	1.59
5				1.57	1.86	1.77	1.51	1.79	1.58	1.52	1.83	1.60	1.58	1.85	1.59	1.51	1.59	1.55
6				1.51	1.89	1.78	1.54	1.74	1.57	1.57	1.64	1.60	1.56	1.84	1.57	1.49	1.53	1.52
7				1.41	1.93	1.74	1.54	1.79	1.58	1.56	1.80	1.61	1.60	1.85	1.61	1.49	1.53	1.52
8				1.44	1.87	1.67	1.58	1.81	1.62	1.59	1.84	1.60	1.63	1.81	1.64	1.51	1.56	1.54
9	--	--	--	1.53	1.75	1.65	1.52	1.80	1.61	1.56	1.82	1.59	1.55	1.85	1.64	1.51	1.55	1.54
10	--	--	--	1.42	1.75	1.64	--	--	--	1.53	1.85	1.58	--	--	--	1.53	1.57	1.55
11	1.61	1.62	1.62	1.58	1.74	1.66	1.52	1.78	1.59	1.56	1.82	1.58	1.59	1.84	1.62	1.54	1.58	1.56
12	1.62	1.64	1.63	1.45	1.73	1.65	1.51	1.82	1.57	1.55	1.87	1.57	1.58	1.86	1.60	1.55	1.58	1.56
13	1.59	1.65	1.63	1.45	1.88	1.66	1.52	1.81	1.56	1.55	1.59	1.56	1.59	1.86	1.61	1.55	1.57	1.57
14	1.61	1.62	1.61	1.53	1.76	1.64	1.50	1.84	1.55	1.47	1.59	1.55	1.58	1.89	1.60	1.55	1.57	1.56
15	1.54	1.63	1.62	1.47	1.79	1.65	1.51	1.87	1.55	1.51	1.55	1.54	1.59	1.88	1.60	1.55	1.58	1.56
16	1.61	1.62	1.62	1.33	1.80	1.66	1.49	1.90	1.57	1.52	1.86	1.55	1.60	1.92	1.62	1.54	1.57	1.56
17	1.59	1.63	1.62	1.34	1.81	1.66	1.47	1.88	1.58	1.46	1.60	1.54	1.39	1.92	1.63	1.54	1.57	1.56
18	--	--	--	1.56	1.80	1.69	1.56	1.83	1.61	1.53	1.57	1.55	--	--	--	1.53	1.57	1.56
19	1.66	1.66	1.66	1.50	1.85	1.68	1.57	1.85	1.61	1.55	1.58	1.56	1.60	1.89	1.61	1.55	1.57	1.56
20	1.62	1.68	1.66	1.51	1.82	1.66	1.51	1.85	1.59	1.54	1.58	1.56	1.60	1.89	1.62	1.53	1.57	1.56
21	1.62	1.66	1.64	1.53	1.83	1.69	1.49	1.87	1.57	1.52	1.84	1.57	1.58	1.90	1.66	1.55	1.58	1.56
22	--	--	--	1.46	1.82	1.67	--	--	--	1.51	1.58	1.56	--	--	--	1.56	1.59	1.57
23	--	--	--	1.49	1.82	1.67	--	--	--	1.55	1.60	1.57	--	--	--	1.55	1.58	1.57
24	1.69	1.74	1.69	1.58	1.88	1.69	--	--	--	1.56	1.60	1.59	--	--	--	1.54	1.58	1.56
25	--	--	--	1.53	1.90	1.72	1.46	1.81	1.55	1.52	1.90	1.66	1.57	1.91	1.67	1.54	1.58	1.56
26	1.62	1.70	1.68	1.49	1.84	1.67	1.38	1.81	1.46	1.61	1.85	1.63	1.52	1.91	1.56	1.54	1.57	1.55
27	--	--	--	1.41	1.80	1.67	1.43	1.45	1.44	1.53	1.66	1.61	1.51	1.52	1.51	1.53	1.55	1.54
28	--	--	--	1.48	1.83	1.68	--	--	--	1.59	1.62	1.60	--	--	--	1.51	1.55	1.54
29	1.65	1.66	1.66	1.33	1.83	1.68	1.42	1.78	1.46	1.57	1.61	1.59	1.64	1.83	1.65	1.52	1.54	1.53
30	1.63	1.66	1.65	1.52	1.82	1.67	1.38	1.79	1.48	1.57	1.60	1.58	1.61	1.86	1.64	1.52	1.55	1.54
31	1.61	1.65	1.63	1.51	1.90	1.66	1.46	1.79	1.48	1.55	1.58	1.57	1.63	1.86	1.64	1.54	1.56	1.55
Monthly Min/Max/Avg	1.54	1.74	1.64	1.33	1.93	1.69	1.38	1.90	1.56	1.46	1.90	1.58	1.39	1.92	1.61	1.49	1.60	1.55

NOTES: '--' Indication Analyzer Offline

1.2.31 Phosphoric Acid Chemical Consumption

March 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	473	958
2	0.90	0.90	446	1,036
3	0.90	0.90	426	1,031
4	0.90	0.90	538	906
5	0.90	0.88	630	554
6	0.90	0.90	626	904
7	0.90	0.90	566	920
8	0.90	0.90	571	939
9	0.90	0.90	507	789
10	0.90	0.90	501	908
11	0.90	0.90	582	869
12	0.90	0.90	538	869
13	0.90	0.90	518	863
14	0.90	0.90	476	824
15	0.90	0.90	518	885
16	0.90	0.90	518	840
17	0.90	0.90	494	893
18	0.90	0.90	559	960
19	0.90	0.90	531	912
20	0.90	0.90	484	866
21	0.90	0.90	523	914
22	0.90	0.90	549	906
23	0.90	0.90	525	920
24	0.90	0.90	592	952
25	0.90	0.90	658	914
26	0.90	0.90	642	185
27	0.90	0.90	480	917
28	0.90	0.90	620	982
29	0.90	0.90	484	853
30	0.90	0.90	508	865
31	0.90	0.90	506	850
Monthly Total			16,588	26,983
Monthly Avg	0.90	0.90	535	870

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

March 2025

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
2025-02-02 6:47	10030-151 STREET NW	2025-02-02 19:15	300	CI
2025-03-01 19:37	9950-82 AVENUE NW	2025-03-03 13:24	250	AC
2025-03-03 9:04	9115-71 AVENUE NW	2025-03-03 23:05	150	CI
2025-03-04 9:28	7006-99 ST NW	2025-03-04 20:20	150	CI
2025-03-06 18:09	10106-118 AVENUE NW		300	PVC
2025-03-06 20:41	7915-85 AVENUE NW	2025-03-07 14:33	150	CI
2025-03-07 0:30	8219-104 STREET NW	2025-03-07 13:00	300	CI
2025-03-07 8:35	10948-68 AVENUE NW	2025-03-07 16:00	200	CI
2025-03-08 2:14	10569-109 STREET NW	2025-03-08 14:25	150	CI
2025-03-08 14:25	10569-109 STREET NW	2025-03-08 20:15	150	CI
2025-03-08 20:21	10567-109 STREET NW	2025-03-08 23:38	150	CI
2025-03-09 11:08	9107-132A AVENUE NW	2025-03-09 19:50	150	CI
2025-03-09 20:28	10612-79 STREET NW	2025-03-10 20:15	150	CI
2025-03-12 4:40	4248-114 AVENUE NW	2025-03-12 15:57	150	CI
2025-03-12 20:07	8607-108A STREET NW	2025-03-12 22:35	150	CI
2025-03-13 12:49	8609-120 AVENUE NW	2025-03-14 19:45	150	CI
2025-03-13 15:46	18608-80 AVENUE NW	2025-03-13 19:52	250	AC
2025-03-13 7:52	14605-116 AVENUE NW	2025-03-13 20:10	150	AC
2025-03-14 7:26	11520-109 STREET NW	2025-03-16 14:11	200	CI
2025-03-15 16:16	16009-92 AVENUE NW	2025-03-16 13:50	150	CI
2025-03-18 6:17	13035-133 STREET NW	2025-03-18 16:40	250	CI
2025-03-18 12:40	18608-80 AVENUE NW	2025-03-18 13:52	250	AC
2025-03-20 9:23	12921-103 STREET NW	2025-03-20 17:28	200	CI
2025-03-21 8:18	10755-70 AVENUE NW	2025-03-30 15:00	150	CI
2025-03-23 22:16	13523-113 STREET NW	2025-03-24 18:50	150	CI
2025-03-24 5:10	7933-85 AVENUE NW	2025-03-24 19:05	150	CI
2025-03-25 16:55	30-VALLEYVIEW CRESCENT NW	2025-03-26 11:45	150	CI
2025-03-26 10:47	13320-95A STREET NW	2025-03-26 22:30	200	CI
2025-03-26 18:58	LW 112 ST N 134A AVE	2025-03-27 15:50	150	CI
2025-03-27 18:54	7907-104 AVENUE NW	2025-03-28 16:15	150	CI
2025-03-28 6:38	13919-135A AVENUE NW	2025-03-28 17:15	200	CI
2025-03-30 15:00	10755-70 AVENUE NW	2025-03-30 18:20	150	CI
2025-03-30 18:21	10755-70 AVENUE NW	2025-04-01 17:00	150	CI

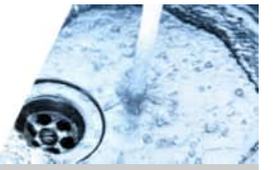
Month	Total Breaks By Month
Jan-25	26
Feb-25	91
Mar-25	32
Apr-25	
May-25	
Jun-25	
Jul-25	
Aug-25	
Sep-25	
Oct-25	
Nov-25	
Dec-25	
YTD 2025	**149**

**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

March 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO3/L)	61	114.3	97.0 - 129.0	179	121.1	97.0 - 139.0
Aluminum (mg/L)	2	0.031	0.025 - 0.037	6	0.065	0.025 - 0.087
Arsenic (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	24	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	0.9	<0.5 - 1.8	180	0.8	<0.5 - 1.8
Cadmium (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO3)	60	116.0	106.0 - 126.0	174	119.6	105.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.17	0.07 - 0.37	24	0.16	<0.1 - 0.37
Chloride Dissolved (mg/L)	8	8.8	5.7 - 14.2	24	6.59	4.59 - 14.20
Chlorine total (mg/L)	62	2.08	1.89 - 2.19	180	2.08	1.89 - 2.19
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	24	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	5.6	3.5 - 9.0	180	8.6	3.5 - 19.1
Chromium (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Colour (TCU)	62	0.7	<0.5 - 1.0	180	0.9	<0.5 - 1.7
Conductivity (µS/cm)	8	414.5	395.0 - 442.0	24	398.8	362.0 - 442.0
Copper (mg/L)	2	<0.002	<0.002	6	<0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.09	6	<0.1	<0.09 - <0.1
Fluoride (mg/L)	61	0.67	0.59 - 0.75	179	0.67	0.59 - 0.75
Giardia (cysts/100L)	2	<0.1	<0.09	6	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	9.5	7.8 - 11.1	6	13.5	7.8 - 21.8
Iron (mg/L)	2	<0.005	<0.005	6	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	6	<0.002	<0.002
Mercury (µg/L)				2	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.12	0.10 - 0.18	22	0.10	0.08 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	<0.01	22	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	6	<0.0018	<0.0009 - <0.0018
pH	61	8	8	179	8	8
Potassium (mg/L)	2	0.9	0.9	6	0.8	0.6 - 0.9
Sodium (mg/L)	2	14.2	12.3 - 16.1	6	9.5	6.3 - 16.1
Sulphate Dissolved (mg/L)	8	77.4	74.4 - 82.1	24	69.5	59.3 - 82.1
Total Dissolved Solids (mg/L)	2	144.00	52.00 - 236.00	6	200.17	52.00 - 257.00
Total Hardness (mg/L CaCO3)	62	176.8	162.0 - 190.0	180	181.8	161.0 - 212.0
Total Organic Carbon (mg/L)	8	1.1	0.8 - 1.5	24	1.1	0.8 - 1.6
Trihalomethanes (µg/L)	62	6.6	4.3 - 10.2	180	9.6	4.3 - 19.8
Turbidity (NTU)	62	0.05	<0.04 - 0.10	180	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	6	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	6	<0.005	<0.005

2.1.2 QUALITY ASSURANCE – March 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. See section 2.1.1 of this report for EPCOR's internal water quality objectives.

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

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

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

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

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

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

2.1.2.4 **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

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

Variance Category[1]	This Month	YTD
Aluminium[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	1	1
Total Variances + Violations	1 + 0 = 1	1 + 0 = 1

Notes: 1) Variance statistics include any violations.

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

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

Variance Category[1]	This Month	YTD
Turbidity > 1 NTU	9	13
Chlorine < 1 mg/L or > 2.4 mg/L	0	1
Single Positive Coliform	0	1
THMs > 50 µg/L	0	0
Pipe Lube, Odour, UV positive	0	0
Aluminium[2] > 0.20 (or 0.1) mg/L	2	2
Iron > 0.10 mg/L	3	3
Other	0	0
Total Variances + Violations	14 + 0 = 14	20 + 0 = 20

Notes: 1) Variance statistics include any violations.

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

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

%T	= % Transmission
- 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
HPC	= Heterotrophic Plate Count
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
WL	= Water Laboratory
WTP	= Water Treatment Plant

2.2.1 BACTERIOLOGICAL DATA

Water Treatment Plants

March 2025

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Cellular ATP (pg/mL)				1	21.5	21.5
Coliforms total (MPN/100 mL)	5	1498.1	52.8 - 4962.0	16	497.3	21.3 - 4962.0
E. coli (MPN/100 mL)	5	18.9	1.0 - 82.0	16	6.2	1.0 - 82.0
Rossdale Raw						
Cellular ATP (pg/mL)	1	26.5	26.5	3	21.8	7.6 - 31.2
Coliforms total (MPN/100 mL)	31	908.4	36.4 - 4718.0	90	567.4	22.8 - 7308.0
E. coli (MPN/100 mL)	31	40.1	1.0 - 126.0	90	62.4	1.0 - 3328.0
EL Smith Treated						
Cellular ATP (pg/mL)	31	<0.10	<0.10	90	0.1	<0.10 - 0.2
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.2	90	0.1	<0.10 - 0.5
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	31	0.10	<0.10	90	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	31	0.1	<0.10 - 0.2	90	0.1	<0.10 - 0.3
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

March 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	112	0.1	<0.10 - 2.0	341	0.2	<0.10 - 2.0
Coliforms total (MPN/100 mL)	5	Not Detected	Not Detected	5	Not Detected	Not Detected
Coliforms total (PA/100mL)	205	-VE	-VE	609	-VE	+VE - -VE
E. coli (MPN/100 mL)	5	Not Detected	Not Detected	5	Not Detected	Not Detected
E. coli (PA/100mL)	205	-VE	-VE	609	-VE	-VE

205

Count of Bacteriological Tests

105%

Percent of Target Sampling (195)

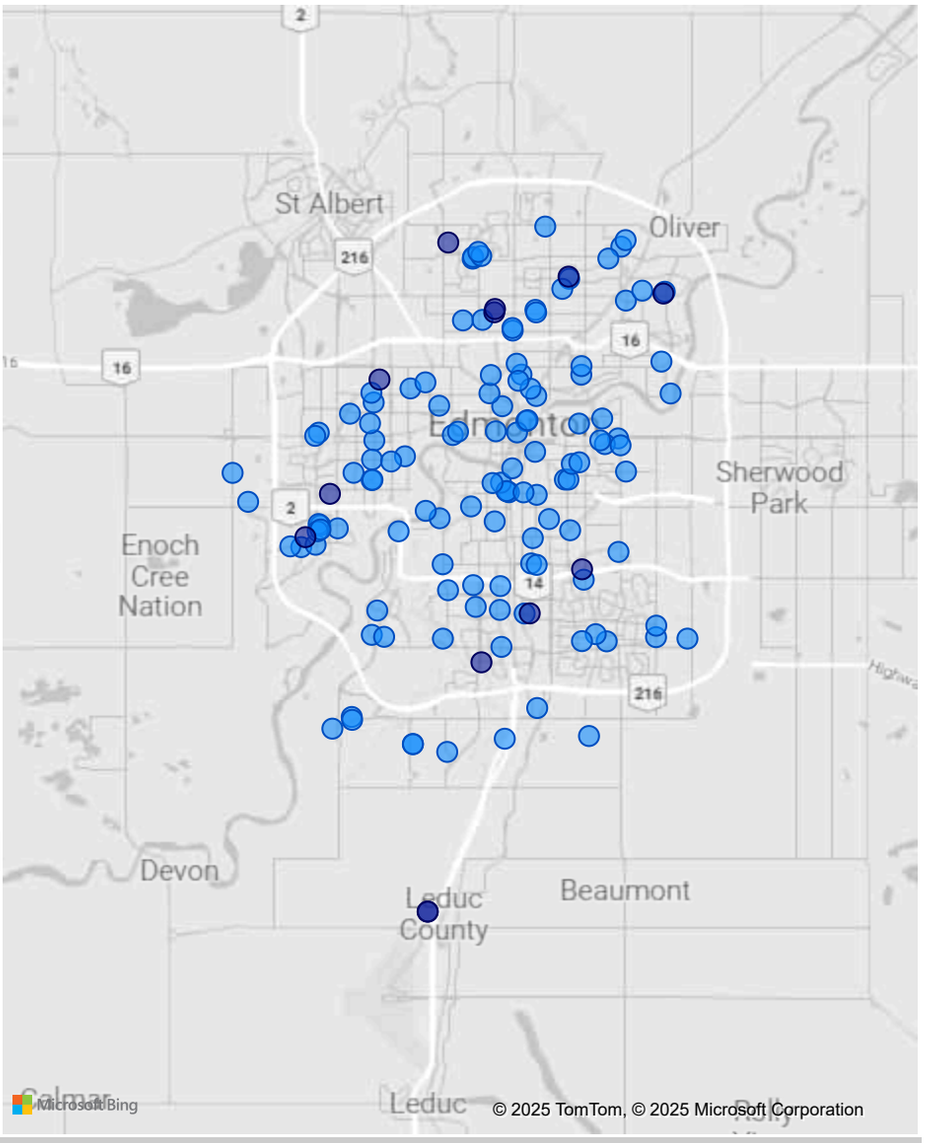
54%

Analyzed by AHS

46%

Analyzed by Epcor

Sampling Type Distribution Water Outlying Field Reservoirs



2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

March 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

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.09	<0.09	3	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.09	<0.09	3	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	31	0.8	0.5 - 1.0	90	0.9	0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	420.3	405.0 - 442.0	12	401.6	364.0 - 442.0		
pH	30	8	8	89	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	236.00	236.00	3	234.67	211.00 - 257.00		
Turbidity (NTU)	31	0.05	<0.04 - 0.07	90	0.05	<0.04 - 0.09	(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	0.060	0.060	3	0.060	0.054 - 0.065	2.000	
Boron (mg/L)	1	0.016	0.016	3	0.011	0.008 - 0.016	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	12	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.26	0.20 - 0.37	12	0.23	0.1 - 0.37	1.00	
Chlorine total (mg/L)	31	2.09	2.00 - 2.19	90	2.09	1.94 - 2.19		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	12	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.71	0.65 - 0.75	89	0.70	0.64 - 0.75	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.13	0.11 - 0.18	11	0.11	0.09 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	11	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	3	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Diazinon (µg/L)				1	<0.0250	<0.0250		
Dicamba (µg/L)				1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Diclofop-methyl (µg/L)				1	<0.100	<0.100		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Diuron (µg/L)				1	<0.050	<0.050		
Ethylbenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	11.1	11.1	3	14.8	11.1 - 21.8	80.0	40.0
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	90	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				1	<0.0250	<0.0250		
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	0.16	0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	3	<0.0016	<0.0009 - <0.0016	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)				1	<2.0	<2.0		
Phorate (µg/L)				1	<0.250	<0.250		
Picloram (µg/L)				1	<0.50	<0.50		
Simazine (µg/L)				1	<0.100	<0.100		
Terbufos (µg/L)				1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				1	<0.50	<0.50		
Toluene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				1	<0.10	<0.10		
Trihalomethanes (µg/L)	31	7.9	4.3 - 10.2	90	10.9	4.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	90	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	31	<1.0	<1.0	90	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	113.0	97.0 - 129.0	89	121.1	97.0 - 139.0		
Aluminum (mg/L)	1	0.025	0.025	3	0.065	0.025 - 0.087	2.900 (0.100)	
Ammonia as NH3 (mg/L)	31	0.10	0.01 - 0.15	60	0.11	0.01 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	12	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	49.9	49.9	3	49.9	45.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	31	116.3	106.0 - 126.0	90	119.9	106.0 - 136.0		
Chloride Dissolved (mg/L)	4	10.3	6.3 - 14.2	12	7.21	4.59 - 14.20	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	3	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<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	0.0036	0.0036	3	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)	1	15.4	15.4	3	15.6	14.2 - 17.2		
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	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	3	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	3	<0.02	<0.02		
Potassium (mg/L)	1	0.9	0.9	3	0.8	0.6 - 0.9		
Silicon (mg/L)	1	2.05	2.05	3	2.14	1.92 - 2.44		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	16.1	16.1	3	10.3	6.8 - 16.1	(200.0)	
Strontium (mg/L)	1	0.468	0.468	3	0.472	0.468 - 0.480	7.000	
Sulphate Dissolved (mg/L)	4	78.2	74.8 - 82.1	12	69.3	59.3 - 82.1	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
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)	31	176.9	162.0 - 190.0	90	181.8	162.0 - 209.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	6.14	6.14	3	7.76	5.73 - 11.40		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 1.6	88	1.3	<1.0 - 2.9		
Total Organic Carbon (mg/L)	4	1.2	0.8 - 1.5	12	1.2	0.8 - 1.6		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Styrene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	90	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	1	4.94	4.94	3	7.08	4.94 - 10.40		
Dibromochloromethane (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Chloroform (µg/L)	31	6.8	3.6 - 9.0	90	9.8	3.6 - 19.1	(40.0)	
Bromoform (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	31	1.1	0.6 - 1.8	90	1.0	<0.5 - 1.8		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)								
Strontium-90 (Bq/L)								
Radium-226 (Bq/L)								
Lead-210 (Bq/L)								
Iodine-131 (Bq/L)								
Gross Beta (Bq/L)								
Gross Alpha (Bq/L)								
Cesium-137 (Bq/L)								

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	31	-VE	-VE	90	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	3	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	31	-VE	-VE	90	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	3	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	31	0.6	<0.5 - 1.0	90	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	408.8	395.0 - 421.0	12	396.0	362.0 - 421.0		
pH	31	8	8	90	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	52.00	52.00	3	165.67	52.00 - 245.00		
Turbidity (NTU)	31	0.05	<0.04 - 0.10	90	0.06	<0.04 - 0.52	(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	0.059	0.059	3	0.059	0.053 - 0.066	2.000	
Boron (mg/L)	1	0.016	0.016	3	0.011	0.008 - 0.016	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	12	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	4	0.09	0.07 - 0.11	12	0.120	<0.1 - 0.12	1.00	
Chlorine total (mg/L)	31	2.07	1.89 - 2.17	90	2.07	1.89 - 2.17		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	12	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	31	0.63	0.59 - 0.69	90	0.65	0.59 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.12	0.10 - 0.16	11	0.10	0.08 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	11	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	3	0.0003	0.0002 - 0.0004	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Diazinon (µg/L)				1	<0.0250	<0.0250		
Dicamba (µg/L)				1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Diclofop-methyl (µg/L)				1	<0.100	<0.100		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Diuron (µg/L)				1	<0.050	<0.050		
Ethylbenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	11.1	11.1	3	14.8	11.1 - 21.8	80.0	40.0
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	90	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)				1	<0.0250	<0.0250		
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	0.16	0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	3	<0.0016	<0.0009 - <0.0016	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)				1	<2.0	<2.0		
Phorate (µg/L)				1	<0.250	<0.250		
Picloram (µg/L)				1	<0.50	<0.50		
Simazine (µg/L)				1	<0.100	<0.100		
Terbufos (µg/L)				1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				1	<0.50	<0.50		
Toluene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				1	<0.10	<0.10		
Trihalomethanes (µg/L)	31	7.9	4.3 - 10.2	90	10.9	4.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	31	<1.0	<1.0	90	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	31	<1.0	<1.0	90	<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

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	31	115.7	106.0 - 126.0	90	121.2	106.0 - 138.0		
Aluminum (mg/L)	1	0.037	0.037	3	0.065	0.037 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	31	0.08	0.01 - 0.12	60	0.09	0.01 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	12	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	49.6	49.6	3	50.3	46.3 - 54.9		
Calcium Hardness (mg/L CaCO3)	31	116.2	109.0 - 124.0	90	119.6	105.0 - 137.0		
Chloride Dissolved (mg/L)	4	7.3	5.7 - 9.0	12	5.97	5.02 - 8.96	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	3	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	3	<0.002	<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	0.0035	0.0035	3	0.0034	0.0029 - 0.0037		
Magnesium (mg/L)	1	15.3	15.3	3	15.5	14.2 - 17.1		
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	0.0005 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	3	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	3	<0.02	<0.02		
Potassium (mg/L)	1	0.9	0.9	3	0.8	0.6 - 0.9		
Silicon (mg/L)	1	2.04	2.04	3	2.13	1.90 - 2.45		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	12.3	12.3	3	8.8	6.3 - 12.3	(200.0)	
Strontium (mg/L)	1	0.473	0.473	3	0.468	0.457 - 0.475	7.000	
Sulphate Dissolved (mg/L)	4	76.7	74.4 - 81.7	12	69.8	60.7 - 81.7	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
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)	31	176.6	166.0 - 189.0	90	181.7	161.0 - 212.0		
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		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	3.92	3.92	3	6.08	3.92 - 9.87		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 1.7	88	1.3	<1.0 - 3.2		
Total Organic Carbon (mg/L)	4	1.0	0.9 - 1.0	12	1.1	0.8 - 1.5		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Styrene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	90	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	1	3.91	3.91	3	6.07	3.91 - 9.18		
Dibromochloromethane (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Chloroform (µg/L)	31	4.4	3.5 - 6.5	90	7.5	3.5 - 16.8	(40.0)	
Bromoform (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	31	0.7	<0.5 - 1.2	90	0.7	<0.5 - 1.3		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	3	<1.00	<1.00		
Radionuclides								
Tritium (Bq/L)								
Strontium-90 (Bq/L)								
Radium-226 (Bq/L)								
Lead-210 (Bq/L)								
Iodine-131 (Bq/L)								
Gross Beta (Bq/L)								
Gross Alpha (Bq/L)								
Cesium-137 (Bq/L)								

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
EL Smith Combined Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	97.6	96.1	90	97.6	93.0 - 97.6		
UV 254 % Transmittance (UV Abs/cm)	31	0.013	0.011 - 0.017	90	0.018	0.011 - 0.032		
EL Smith Treated								
Turbidity (NTU)	31	0.05	<0.04 - 0.07	90	0.05	<0.04 - 0.10	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	31	97.2	94.8	90	97.2	92.3 - 97.2		
UV 254 % Transmittance (UV Abs/cm)	31	0.018	0.013 - 0.023	90	0.020	0.013 - 0.035		
Rossdale Treated								
Turbidity (NTU)	31	0.05	<0.04 - 0.08	90	0.05	<0.04 - 0.09	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	90	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	4.1	3.3 - 5.4	90	6.8	3.3 - 16.6	100.0	50.0
Xylenes total (µg/L)	31	<1.0	<1.0	90	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Benzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	31	0.5	<0.5 - 1.0	90	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	31	6.5	4.9 - 8.6	90	9.4	4.9 - 18.6	100.0	50.0
Xylenes total (µg/L)	31	<1.0	<1.0	90	<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

March 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	12	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.10	0.08 - 0.12	12	0.119	<0.1 - 0.12	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	12	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.12	0.10 - 0.16	11	0.10	0.09 - 0.16	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	11	0.01	<0.01 - 0.01	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	12	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.27	0.19 - 0.41	12	0.22	0.1 - 0.41	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	12	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.13	0.12 - 0.18	11	0.11	0.08 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	4	<0.01	<0.01	11	0.01	<0.01 - 0.01	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	31	0.08	<0.05 - 0.12	60	0.09	<0.05 - 0.14		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	12	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	7.3	6.3 - 8.9	12	5.92	4.84 - 8.93	(250.00)	
Sulphate Dissolved (mg/L)	4	77.2	73.8 - 82.4	12	70.1	60.5 - 82.4	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	31	0.14	0.08 - 1.00	60	0.13	0.08 - 1.00		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	12	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	13.0	8.4 - 16.3	12	8.45	4.55 - 16.30	(250.00)	
Sulphate Dissolved (mg/L)	4	78.6	75.8 - 81.7	12	69.5	59.2 - 81.7	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	31	0.6	<0.5 - 0.9	90	0.6	<0.5 - 0.9		
Bromoform (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	3.5	2.5 - 5.0	90	6.1	2.5 - 16.0	(40.0)	
Dibromochloromethane (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	90	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 1.6	88	1.3	<1.0 - 3.0		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.40 - <0.5		
Rossdale Treated								
Bromodichloromethane (µg/L)	31	0.9	0.5 - 1.3	90	0.9	<0.5 - 1.8		
Bromoform (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	31	5.5	3.5 - 7.3	90	8.4	3.5 - 17.9	(40.0)	
Dibromochloromethane (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	31	<1.0	<1.0	90	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	31	1.1	<1.0 - 1.6	88	1.3	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)	31	<0.5	<0.5	90	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	31	<0.5	<0.5	90	<0.5	<0.40 - <0.5		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	5	Not Detected	Not Detected	5	Not Detected	Not Detected		
Coliforms total (PA/100mL)	153	-VE	-VE	455	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	5	Not Detected	Not Detected	5	Not Detected	Not Detected		
E. coli (PA/100mL)	153	-VE	-VE	455	-VE	-VE	0.0	
Physical								
Colour (TCU)				1	0.8	0.8	(15.0)	10.0
pH	2	8	8	6	8	8		7 - 8
Total Dissolved Solids (mg/L)				1	226.00	226.00		
Turbidity (NTU)	158	0.17	0.04 - 2.20	460	0.17	<0.04 - 2.20	(3.00)	1.00
UV Absorbance (UV Abs/cm)				1	0.027	0.027		
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	0.063	0.056 - 0.069	2.000	
Boron (mg/L)	1	0.011	0.011	2	0.010	0.008 - 0.011	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	4	<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)	2	0.20	0.10 - 0.31	4	0.19	0.10 - 0.31	1.00	
Chlorine total (mg/L)	158	1.91	1.07 - 2.15	460	1.91	0.22 - 2.34		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)				1	0.73	0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Nitrate (as N) dissolved (mg/L)	2	0.11	0.10 - 0.12	6	0.10	0.09 - 0.12	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)	1	0.0003	0.0003	2	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0006	<0.0005 - 0.0006	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Diazinon (µg/L)				1	<0.0250	<0.0250		
Dicamba (µg/L)				1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	14.0	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Diclofop-methyl (µg/L)				1	<0.100	<0.100		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Diuron (µg/L)				1	<0.050	<0.050		
Ethylbenzene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	140.0 (1.6)	
Glyphosate (µg/L)				1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	6	13.0	7.7 - 20.2	18	13.3	7.7 - 20.4	80.0	40.0
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	50.0	
Metolachlor (µg/L)				1	<0.0250	<0.0250		
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	4	0.00178	<0.0009 - 0.00360	10	<0.0036	<0.0009 - <0.0036	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)				1	<2.0	<2.0		
Phorate (µg/L)				1	<0.250	<0.250		
Picloram (µg/L)				1	<0.50	<0.50		
Simazine (µg/L)				1	<0.100	<0.100		
Terbufos (µg/L)				1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)				1	<0.50	<0.50		
Toluene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)				1	<0.10	<0.10		
Trihalomethanes (µg/L)	6	10.2	5.1 - 16.9	18	12.0	5.1 - 19.7	100.0	50.0
Vinyl Chloride (µg/L)	6	<1.0	<1.0	18	<1.0	<1.0	2.0	
Xylenes total (µg/L)	6	<1.0	<1.0	18	<1.0	<1.0	90.0 (20.0)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	124.0	124.0		
Aluminum (mg/L)	1	0.267	0.267	2	0.168	0.069 - 0.267	2.900 (0.100)	
Ammonia as NH3 (mg/L)	2	0.18	0.12 - 0.25	6	0.14	0.10 - 0.25		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	4	<0.03	<0.03		
Calcium (mg/L)	1	54.7	54.7	2	52.3	49.8 - 54.7		
Chloride Dissolved (mg/L)	2	8.6	6.0 - 11.1	4	6.9	5.2 - 11.1	(250.0)	
Chlorine free (mg/L)				1	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	0.003	<0.002 - 0.004	2.000 (1.000)	
Iron (mg/L)	1	0.110	0.110	2	0.058	<0.005 - 0.110	(0.300)	
Lithium (mg/L)	1	0.0048	0.0048	2	0.0040	0.0032 - 0.0048		
Magnesium (mg/L)	1	16.0	16.0	2	15.8	15.6 - 16.0		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	2	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	2	0.89	0.86 - 0.92	5	0.90	0.86 - 0.92		
Phosphorus (mg/L)	1	1.18	1.18	2	1.06	0.94 - 1.18		
Potassium (mg/L)	1	1.0	1.0	2	0.9	0.7 - 1.0		
Silicon (mg/L)	1	2.45	2.45	2	2.29	2.13 - 2.45		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	20.8	20.8	2	13.9	7.0 - 20.8	(200.0)	
Strontium (mg/L)	1	0.484	0.484	2	0.482	0.480 - 0.484	7.000	
Sulphate Dissolved (mg/L)	2	70.6	68.5 - 72.6	4	67.3	63.1 - 72.6	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
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	179.0	179.0		
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		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

March 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	6	0.9	0.6 - 1.3	18	0.9	0.6 - 1.3		
Bromoform (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Chloroform (µg/L)	6	9.3	4.4 - 15.5	18	10.8	4.4 - 18.2		
Dibromoacetic acid (µg/L)	6	<1.00	<1.00	18	<1.00	<1.00		
Dibromochloromethane (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Dichloroacetic acid (µg/L)	6	6.50	3.92 - 10.10	18	6.68	3.92 - 10.10		
Dichlorobenzene (1,3) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Methoxychlor (µg/L)				1	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	6	<1.0	<1.0	18	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	6	<1.00	<1.00	18	<1.00	<1.00		
Monochloroacetic acid (µg/L)	6	<1.00	<1.00	18	<1.00	<1.00		
Styrene (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Total Organic Carbon (mg/L)	2	1.2	1.2	6	1.1	0.9 - 1.2		
Total Volatile Organics (Non THM) (µg/L)	6	<1.0	<1.0	18	1.2	<1.0 - 2.3		
Trichloroacetic acid (µg/L)	6	6.50	3.81 - 10.10	18	6.62	3.81 - 10.70		
Trichlorobenzene (1,2,4) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Xylene (1,2) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		
Xylene (1,4) (µg/L)	6	<0.5	<0.5	18	<0.5	<0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	10	0.6	<0.5 - 1.1	24	0.8	<0.5 - 1.9	(15.0)	10.0
pH	10	8	8	24	8	8		7 - 8
Turbidity (NTU)	10	0.35	0.04 - 2.76	24	0.27	0.04 - 2.76	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	10	0.0005	<0.0005	24	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	10	0.0002	<0.0002	24	<0.0002	<0.0002	0.0100	
Barium (mg/L)	10	0.064	0.054 - 0.098	24	0.061	0.054 - 0.098	2.000	
Boron (mg/L)	10	0.025	0.011 - 0.042	24	0.016	0.008 - 0.042	5.000	
Cadmium (mg/L)	10	<0.00002	<0.00002	24	<0.00002	<0.00002	0.00700	
Chromium (mg/L)	10	0.0002	<0.0002	24	<0.0002	<0.0002	0.0500	
Lead (mg/L)	10	0.0002	<0.0002	24	0.0003	<0.0002 - 0.0018	0.0050	
Selenium (mg/L)	10	0.0003	0.0002 - 0.0003	24	0.0003	0.0002 - 0.0004	0.0500	
Total Chlorine (mg/L)	10	1.87	1.70 - 2.07	24	1.88	1.55 - 2.11		1.00 - 2.40
Uranium (mg/L)	10	0.0005	<0.0005	24	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
1,1-Dichloroethylene (µg/L)				1	<0.50	<0.50		
1,2-Dichlorobenzene (µg/L)				1	<0.50	<0.50		
1,2-Dichloroethane (µg/L)				1	<0.50	<0.50		
1,4-Dichlorobenzene (µg/L)				1	<0.50	<0.50		
Benzene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5	14.0	
Dichloromethane (µg/L)				1	<1.00	<1.00		
Ethylbenzene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (µg/L)	10	0.6	<0.5 - 1.0	23	<1.0	<0.5 - <1.0	50.0	
Tetrachloroethylene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total Xylenes (µg/L)	10	<1.0	<1.0	23	<1.0	<1.0	90.0 (20.0)	
Trichloroethylene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	10	7.9	5.4 - 10.0	23	11.0	5.4 - 21.2	100.0	50.0
Trihalomethanes (THMs), Total (µg/L)				1	17.3	17.3		
Vinyl Chloride (µg/L)	10	<1.0	<1.0	24	<1.0	<0.50 - <1.0	2.00	
Xylenes, Total (µg/L)				1	<0.50	<0.50		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
1,1,1-Trichloroethane (µg/L)				1	<0.50	<0.50		
1,1,2,2-Tetrachloroethane (µg/L)				1	<0.50	<0.50		
1,2,4-Trichlorobenzene (µg/L)				1	<0.50	<0.50		
1,2-Dichloroethylene, cis (µg/L)				1	<0.50	<0.50		
1,2-Dichloroethylene, trans (µg/L)				1	<0.50	<0.50		
1,2-Dichloropropane (µg/L)				1	<0.50	<0.50		
1,3-Dichlorobenzene (µg/L)				1	<0.50	<0.50		
Bromodichloromethane (µg/L)	10	1.0	0.5 - 1.4	24	1.0	0.5 - 1.4		
Bromoform (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	10	6.9	4.7 - 8.7	24	10.2	4.7 - 19.6		
Dibromochloromethane (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Dichloroethylene, cis (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Dichloroethylene, trans (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
m+p-Xylene (µg/L)				1	<0.40	<0.40		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<20	<20		
Methyl t-Butyl Ether (MTBE) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5	(15.0)	
Methyl-tert-butyl ether (MTBE) (µg/L)				1	<0.50	<0.50		
MIBK (µg/L)	10	<1.0	<1.0	23	<1.0	<1.0		
o-Xylene (µg/L)				1	<0.30	<0.30		
Styrene (µg/L)	10	<0.5	<0.5	24	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Total Volatile Organics (NonTHM) (µg/L)	10	1.1	<1.0 - 1.4	23	1.3	<1.0 - 3.1		
Trichlorobenzene (1,2,4) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Xylene (1,2) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		
Xylene (1,4) (µg/L)	10	<0.5	<0.5	23	<0.5	<0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	10	0.155	0.016 - 1.280	24	0.104	0.016 - 1.280	2.900 (0.100)	
Beryllium (mg/L)	10	0.0002	<0.0002	24	<0.0002	<0.0002		
Calcium (mg/L)	10	50.2	48.5 - 55.5	24	50.5	46.9 - 56.7		
Calcium Hardness Calculated (mg/L CaCO3)				1	126.0	126.0		
Cobalt (mg/L)	10	0.0002	<0.0002 - 0.0003	24	0.0002	<0.0002 - 0.0003		
Copper (mg/L)	10	0.003	<0.002 - 0.006	24	0.003	<0.002 - 0.006	2.000 (1.000)	
Free Chlorine (mg/L)				1	<0.07	<0.07		
Iron (mg/L)	10	0.079	<0.005 - 0.547	24	0.047	<0.005 - 0.547	(0.100)	
Lithium (mg/L)	10	0.0040	0.0036 - 0.0047	24	0.0037	0.0031 - 0.0047		
Magnesium (mg/L)	10	15.1	14.4 - 16.4	24	15.1	13.9 - 17.2		
Manganese (mg/L)	10	0.002	<0.002 - 0.006	24	0.002	<0.002 - 0.006	0.120 (0.020)	
Molybdenum (mg/L)	10	0.0008	0.0006 - 0.0010	24	0.0007	0.0005 - 0.0010		
Nickel (mg/L)	10	0.0005	<0.0005 - 0.0006	24	0.0005	<0.0005 - 0.0006		
Phosphorus (mg/L)	10	1.10	0.96 - 1.92	24	1.04	0.89 - 1.92		
Potassium (mg/L)	10	1.6	0.8 - 2.2	24	1.1	0.6 - 2.2		
Silicon (mg/L)	10	2.18	1.95 - 2.42	24	2.24	1.93 - 2.72		
Silver (mg/L)	10	<0.00002	<0.00002	24	<0.00002	<0.00002		
Sodium (mg/L)	10	15.2	9.6 - 19.3	24	10.5	6.0 - 19.3	(200.0)	
Strontium (mg/L)	10	0.470	0.455 - 0.495	24	0.473	0.453 - 0.495	7.000	
Thallium (mg/L)	10	0.0002	<0.0002	24	<0.0002	<0.0002		
Tin (mg/L)	10	0.0005	<0.0005	24	0.0005	<0.0005		
Titanium (mg/L)	10	0.0005	<0.0005	24	0.0005	<0.0005		
Total Hardness (mg/L CaCO3)								
Total Hardness Calculated (mg/L CaCO3)	10	187.6	181.0 - 206.0	23	188.6	176.0 - 211.0		
Vanadium (mg/L)	10	0.0005	<0.0005	24	0.0005	<0.0005		
Zinc (mg/L)	10	0.005	<0.005 - 0.008	24	0.005	<0.005 - 0.008	(5.000)	
Zirconium (mg/L)	10	0.001	<0.001	24	0.001	<0.001		

2.2.8 Castledowns Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
Benzene (µg/L)				1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				1	<0.5	<0.5	10.0	
Toluene (µg/L)				1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				1	16.8	16.8	100.0	50.0
Vinyl Chloride (µg/L)				1	<1.0	<1.0	2.0	
Xylenes total (µg/L)				1	<1.0	<1.0	90.0 (20.0)	
Physical								
Colour (TCU)				1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)				1	408.0	408.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.07 - 0.15	12	0.11	0.07 - 0.15	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				1	<0.0002	<0.0002	0.0100	
Barium (mg/L)				1	0.065	0.065	2.000	
Boron (mg/L)				1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)				1	<0.005	<0.005	0.010	
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.11	0.11	1.00	
Chlorite Dissolved (mg/L)				1	<0.005	<0.005	1.000	
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.65	0.65	1.50	0.60 - 0.80
Lead (mg/L)				1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				1	0.12	0.12	10.00	
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01	1.00	
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0006	0.0006	0.0200	
Chlorine total (mg/L)	4	1.85	1.83 - 1.90	12	1.96	1.83 - 2.10		1.00 - 2.40

2.2.8 Castledowns Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	128.0	128.0		
Aluminum (mg/L)				1	0.077	0.077	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.12 - 0.14	12	0.13	0.09 - 0.14		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.03	<0.03		
Calcium (mg/L)				1	54.0	54.0		
Calcium Hardness (mg/L CaCO3)				1	135.0	135.0		
Chloride Dissolved (mg/L)				1	5.8	5.8	(250.0)	
Cobalt (mg/L)				1	<0.0002	<0.0002		
Copper (mg/L)				1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				1	<0.005	<0.005	(0.100)	
Lithium (mg/L)				1	0.0036	0.0036		
Magnesium (mg/L)				1	16.7	16.7		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0008	0.0008		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.96	12	0.92	0.88 - 0.96		
Phosphorus (mg/L)				1	0.98	0.98		
Potassium (mg/L)				1	0.8	0.8		
Silicon (mg/L)				1	2.43	2.43		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	7.7	7.7	(200.0)	
Strontium (mg/L)				1	0.466	0.466	7.000	
Sulphate Dissolved (mg/L)				1	74.7	74.7	(500.0)	
Thallium (mg/L)				1	<0.0002	<0.0002		
Tin (mg/L)				1	<0.0005	<0.0005		
Titanium (mg/L)				1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				1	204.0	204.0		
Vanadium (mg/L)				1	<0.0005	<0.0005		
Zinc (mg/L)				1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				1	<0.001	<0.001		

2.2.8 Castledowns Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				1	1.0	1.0		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	15.7	15.7		
Dibromochloromethane (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				1	<0.5	<0.5	(15.0)	
Styrene (µg/L)				1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				1	<0.5	<0.5		
Total Organic Carbon (mg/L)				1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)				1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				1	<0.5	<0.5		
Xylene (1,2) (µg/L)				1	<0.5	<0.5		
Xylene (1,4) (µg/L)				1	<0.5	<0.5		

2.2.9 Clareview Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	2	0.9	0.8 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	419.0	419.0	2	392.5	366.0 - 419.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.14	12	0.11	0.08 - 0.14	(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	0.060	0.060	2	0.058	0.055 - 0.060	2.000	
Boron (mg/L)	1	0.023	0.023	2	0.016	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.23	0.23	2	0.16	0.1 - 0.23	1.00	
Chlorine total (mg/L)	4	1.94	1.88 - 2.00	12	1.95	1.88 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	2	0.67	0.66 - 0.68	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)	1	0.17	0.17	2	0.14	0.10 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	0.01	<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 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	11.3	11.3	2	12.5	11.3 - 13.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	109.0	109.0	2	116.0	109.0 - 123.0		
Aluminum (mg/L)	1	0.032	0.032	2	0.054	0.032 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.11 - 0.15	12	0.14	0.10 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	46.7	46.7	2	46.7	46.7		
Calcium Hardness (mg/L CaCO3)	1	117.0	117.0	2	117.0	117.0		
Chloride Dissolved (mg/L)	1	12.0	12.0	2	8.57	5.14 - 12.00	(250.00)	
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	0.016	0.016	2	0.013	0.010 - 0.016	(0.100)	
Lithium (mg/L)	1	0.0038	0.0038	2	0.0034	0.0030 - 0.0038		
Magnesium (mg/L)	1	14.6	14.6	2	14.7	14.6 - 14.8		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0011	0.0011	2	0.0009	0.0006 - 0.0011		
Nickel (mg/L)	1	0.0005	0.0005	2	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.86 - 0.92	12	0.90	0.86 - 0.92		
Phosphorus (mg/L)	1	0.96	0.96	2	0.95	0.93 - 0.96		
Potassium (mg/L)	1	2.2	2.2	2	1.5	0.7 - 2.2		
Silicon (mg/L)	1	2.11	2.11	2	2.02	1.92 - 2.11		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	18.4	18.4	2	12.5	6.5 - 18.4	(200.0)	
Strontium (mg/L)	1	0.448	0.448	2	0.464	0.448 - 0.479	7.000	
Sulphate Dissolved (mg/L)	1	81.2	81.2	2	71.0	60.8 - 81.2	(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	176.0	176.0	2	177.0	176.0 - 178.0		
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		

2.2.9 Clareview Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.6	1.6	2	1.3	0.9 - 1.6		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	9.6	9.6	2	11.2	9.6 - 12.7		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.4	1.4	2	1.2	1.0 - 1.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	1.8	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

2.2.10 Discovery Park Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.6	0.6	2	0.7	0.6 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	388.0	388.0	2	379.5	371.0 - 388.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.08 - 0.14	12	0.23	0.08 - 0.65	(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	0.056	0.056	2	0.058	0.056 - 0.059	2.000	
Boron (mg/L)	1	0.012	0.012	2	0.010	0.008 - 0.012	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	2	0.10	<0.1 - 0.11	1.00	
Chlorine total (mg/L)	4	1.25	1.14 - 1.36	12	1.48	1.14 - 1.87		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	2	0.68	0.68	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)	1	0.11	0.11	2	0.11	0.10 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	<0.01	<0.01	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	12.6	12.6	2	12.6	12.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	118.0	118.0	2	117.5	117.0 - 118.0		
Aluminum (mg/L)	1	0.071	0.071	2	0.120	0.071 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.17	0.15 - 0.20	12	0.16	0.12 - 0.20		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.8	47.8	2	47.2	46.6 - 47.8		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	2	117.5	116.0 - 119.0		
Chloride Dissolved (mg/L)	1	6.3	6.3	2	6.00	5.70 - 6.29	(250.00)	
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	0.007	0.007	2	0.006	0.005 - 0.007	(0.100)	
Lithium (mg/L)	1	0.0030	0.0030	2	0.0030	0.0030		
Magnesium (mg/L)	1	15.0	15.0	2	15.0	14.9 - 15.0		
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	0.0006	0.0006		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	12	0.93	0.90 - 0.98		
Phosphorus (mg/L)	1	0.95	0.95	2	1.00	0.95 - 1.04		
Potassium (mg/L)	1	1.0	1.0	2	0.9	0.7 - 1.0		
Silicon (mg/L)	1	2.04	2.04	2	1.98	1.92 - 2.04		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	8.7	8.7	2	7.7	6.7 - 8.7	(200.0)	
Strontium (mg/L)	1	0.466	0.466	2	0.473	0.466 - 0.480	7.000	
Sulphate Dissolved (mg/L)	1	66.2	66.2	2	64.0	61.7 - 66.2	(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	181.0	181.0	2	179.5	178.0 - 181.0		
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		

2.2.10 Discovery Park Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.8	0.8	2	0.8	0.8		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	11.8	11.8	2	11.6	11.4 - 11.8		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.0	1.0	2	1.0	0.9 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	1	1.1	1.1	2	1.5	1.1 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

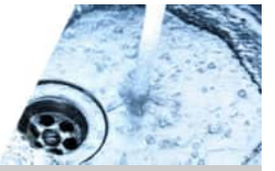
2.2.11 Kaskitayo Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.9	<0.5 - 1.3	(15.0)	10.0
Conductivity (µS/cm)	1	416.0	416.0	2	395.5	375.0 - 416.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.07 - 0.08	12	0.10	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	0.062	0.062	2	0.060	0.057 - 0.062	2.000	
Boron (mg/L)	1	0.026	0.026	2	0.017	0.008 - 0.026	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.10	0.10	2	0.10	<0.1 - 0.10	1.00	
Chlorine total (mg/L)	4	1.97	1.92 - 2.02	12	2.02	1.92 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.66	0.66	2	0.68	0.66 - 0.70	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)	1	0.14	0.14	2	0.12	0.10 - 0.14	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	7.7	7.7	2	8.6	7.7 - 9.4	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

March 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	2	115.5	115.0 - 116.0		
Aluminum (mg/L)	1	0.028	0.028	2	0.061	0.028 - 0.094	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.12	0.09 - 0.13	12	0.11	0.07 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	47.8	47.8	2	47.9	47.8 - 48.0		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	2	119.5	119.0 - 120.0		
Chloride Dissolved (mg/L)	1	9.1	9.1	2	7.25	5.43 - 9.06	(250.00)	
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	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	2	0.0033	0.0031 - 0.0035		
Magnesium (mg/L)	1	14.7	14.7	2	14.8	14.7 - 14.9		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0006 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.94	0.90 - 0.96	12	0.94	0.90 - 0.98		
Phosphorus (mg/L)	1	0.98	0.98	2	1.00	0.98 - 1.01		
Potassium (mg/L)	1	1.8	1.8	2	1.3	0.7 - 1.8		
Silicon (mg/L)	1	2.06	2.06	2	2.03	1.99 - 2.06		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	15.6	15.6	2	11.1	6.6 - 15.6	(200.0)	
Strontium (mg/L)	1	0.459	0.459	2	0.471	0.459 - 0.483	7.000	
Sulphate Dissolved (mg/L)	1	79.2	79.2	2	70.1	61.0 - 79.2	(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	180.0	180.0	2	180.5	180.0 - 181.0		
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		

2.2.11 Kaskitayo Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.9	0.9	2	0.9	0.8 - 0.9		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	6.7	6.7	2	7.5	6.7 - 8.2		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.0	1.0	2	1.0	0.9 - 1.0		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	1.9	<1.0 - 2.8		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

2.2.12 Londonderry Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	1.2	1.2	(15.0)	10.0
Conductivity (µS/cm)				1	407.0	407.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.06 - 0.09	12	0.10	0.06 - 0.18	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				1	<0.0002	<0.0002	0.0100	
Barium (mg/L)				1	0.064	0.064	2.000	
Boron (mg/L)				1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)				1	<0.005	<0.005	0.010	
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.20	0.20	1.00	
Chlorine total (mg/L)	4	2.00	1.95 - 2.04	12	1.99	1.95 - 2.04		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.005	<0.005	1.000	
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.68	0.68	1.50	0.60 - 0.80
Lead (mg/L)				1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01	1.00	
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				1	<0.5	<0.5	10.0	
Toluene (µg/L)				1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				1	18.5	18.5	100.0	50.0
Vinyl Chloride (µg/L)				1	<1.0	<1.0	2.0	
Xylenes total (µg/L)				1	<1.0	<1.0	90.0 (20.0)	

2.2.12 Londonderry Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	130.0	130.0		
Aluminum (mg/L)				1	0.078	0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.12 - 0.14	12	0.13	0.11 - 0.16		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.03	<0.03		
Calcium (mg/L)				1	53.3	53.3		
Calcium Hardness (mg/L CaCO3)				1	133.0	133.0		
Chloride Dissolved (mg/L)				1	5.1	5.1	(250.0)	
Cobalt (mg/L)				1	<0.0002	<0.0002		
Copper (mg/L)				1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				1	<0.005	<0.005	(0.100)	
Lithium (mg/L)				1	0.0036	0.0036		
Magnesium (mg/L)				1	16.7	16.7		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0008	0.0008		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	12	0.92	0.88 - 0.94		
Phosphorus (mg/L)				1	0.96	0.96		
Potassium (mg/L)				1	0.8	0.8		
Silicon (mg/L)				1	2.42	2.42		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	7.3	7.3	(200.0)	
Strontium (mg/L)				1	0.463	0.463	7.000	
Sulphate Dissolved (mg/L)				1	71.1	71.1	(500.0)	
Thallium (mg/L)				1	<0.0002	<0.0002		
Tin (mg/L)				1	<0.0005	<0.0005		
Titanium (mg/L)				1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				1	202.0	202.0		
Vanadium (mg/L)				1	<0.0005	<0.0005		
Zinc (mg/L)				1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				1	<0.001	<0.001		

2.2.12 Londonderry Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				1	1.0	1.0		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	17.3	17.3		
Dibromochloromethane (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				1	<0.5	<0.5	(15.0)	
Styrene (µg/L)				1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				1	<0.5	<0.5		
Total Organic Carbon (mg/L)				1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)				1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				1	<0.5	<0.5		
Xylene (1,2) (µg/L)				1	<0.5	<0.5		
Xylene (1,4) (µg/L)				1	<0.5	<0.5		

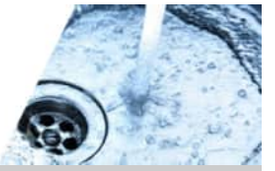
2.2.13 Millwoods Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	0.9	0.9	(15.0)	10.0
Conductivity (µS/cm)				1	401.0	401.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.06 - 0.11	12	0.09	0.06 - 0.11	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				1	<0.0002	<0.0002	0.0100	
Barium (mg/L)				1	0.064	0.064	2.000	
Boron (mg/L)				1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)				1	<0.005	<0.005	0.010	
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.14	0.14	1.00	
Chlorine total (mg/L)	4	2.02	1.98 - 2.07	12	2.04	1.98 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.005	<0.005	1.000	
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.66	0.66	1.50	0.60 - 0.80
Lead (mg/L)				1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01	1.00	
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				1	<0.5	<0.5	10.0	
Toluene (µg/L)				1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				1	16.7	16.7	100.0	50.0
Vinyl Chloride (µg/L)				1	<1.0	<1.0	2.0	
Xylenes total (µg/L)				1	<1.0	<1.0	90.0 (20.0)	

2.2.13 Millwoods Reservoir

March 2025



Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	130.0	130.0		
Aluminum (mg/L)				1	0.078	0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.11	0.08 - 0.13	11	0.11	0.08 - 0.13		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.03	<0.03		
Calcium (mg/L)				1	53.5	53.5		
Calcium Hardness (mg/L CaCO3)				1	134.0	134.0		
Chloride Dissolved (mg/L)				1	5.5	5.5	(250.0)	
Cobalt (mg/L)				1	<0.0002	<0.0002		
Copper (mg/L)				1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				1	<0.005	<0.005	(0.100)	
Lithium (mg/L)				1	0.0036	0.0036		
Magnesium (mg/L)				1	16.6	16.6		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0008	0.0008		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.96	11	0.94	0.90 - 0.98		
Phosphorus (mg/L)				1	0.99	0.99		
Potassium (mg/L)				1	0.8	0.8		
Silicon (mg/L)				1	2.46	2.46		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	7.6	7.6	(200.0)	
Strontium (mg/L)				1	0.468	0.468	7.000	
Sulphate Dissolved (mg/L)				1	71.9	71.9	(500.0)	
Thallium (mg/L)				1	<0.0002	<0.0002		
Tin (mg/L)				1	<0.0005	<0.0005		
Titanium (mg/L)				1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				1	202.0	202.0		
Vanadium (mg/L)				1	<0.0005	<0.0005		
Zinc (mg/L)				1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				1	<0.001	<0.001		

2.2.13 Millwoods Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				1	0.7	0.7		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	15.7	15.7		
Dibromochloromethane (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				1	<0.5	<0.5	(15.0)	
Styrene (µg/L)				1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				1	<0.5	<0.5		
Total Organic Carbon (mg/L)				1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)				1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				1	<0.5	<0.5		
Xylene (1,2) (µg/L)				1	<0.5	<0.5		
Xylene (1,4) (µg/L)				1	<0.5	<0.5		

2.2.14 North Jasper Place Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.5	0.5	2	1.0	0.5 - 1.5	(15.0)	10.0
Conductivity (µS/cm)	1	414.0	414.0	2	396.0	378.0 - 414.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.07 - 0.09	12	0.10	0.07 - 0.14	(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	0.062	0.062	2	0.060	0.057 - 0.062	2.000	
Boron (mg/L)	1	0.023	0.023	2	0.016	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.10	0.10	2	0.10	<0.1 - 0.10	1.00	
Chlorine total (mg/L)	4	1.80	1.76 - 1.82	12	1.83	1.74 - 2.18		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.62	0.62	2	0.64	0.62 - 0.65	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)	1	0.13	0.13	2	0.12	0.11 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	11.0	11.0	2	11.5	11.0 - 11.9	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.14 North Jasper Place Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	2	117.5	117.0 - 118.0	4	118.0	117.0 - 120.0		
Aluminum (mg/L)	2	0.053	0.035 - 0.071	4	0.092	0.035 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	8	0.15	0.11 - 0.20	24	0.15	0.10 - 0.20		
Beryllium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	4	<0.05	<0.03 - <0.05		
Calcium (mg/L)	2	48.4	47.8 - 49.0	4	47.3	45.9 - 49.0		
Calcium Hardness (mg/L CaCO3)	2	120.5	119.0 - 122.0	4	118.0	115.0 - 122.0		
Chloride Dissolved (mg/L)	2	7.4	6.3 - 8.4	4	6.52	5.65 - 8.43	(250.00)	
Cobalt (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002		
Copper (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	2	0.006	<0.005 - 0.007	4	0.006	<0.005 - 0.007	(0.100)	
Lithium (mg/L)	2	0.0033	0.0030 - 0.0035	4	0.0031	0.0029 - 0.0035		
Magnesium (mg/L)	2	15.1	15.0 - 15.2	4	15.0	14.7 - 15.2		
Manganese (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	2	0.0008	0.0006 - 0.0009	4	0.0007	0.0006 - 0.0009		
Nickel (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	8	0.93	0.90 - 0.94	24	0.93	0.90 - 0.98		
Phosphorus (mg/L)	2	0.97	0.95 - 0.98	4	0.98	0.95 - 1.04		
Potassium (mg/L)	2	1.3	1.0 - 1.5	4	1.0	0.7 - 1.5		
Silicon (mg/L)	2	2.13	2.04 - 2.21	4	2.02	1.90 - 2.21		
Silver (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	2	11.4	8.7 - 14.1	4	9.0	6.6 - 14.1	(200.0)	
Strontium (mg/L)	2	0.464	0.461 - 0.466	4	0.469	0.461 - 0.480	7.000	
Sulphate Dissolved (mg/L)	2	72.0	66.2 - 77.8	4	66.8	61.5 - 77.8	(500.0)	
Thallium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002		
Tin (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005		
Titanium (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	2	183.0	181.0 - 185.0	4	179.8	175.0 - 185.0		
Vanadium (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	2	<0.001	<0.001	4	<0.001	<0.001		

2.2.14 North Jasper Place Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.9	0.9	2	0.9	0.8 - 0.9		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	10.1	10.1	2	10.4	10.1 - 10.7		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.2	1.2	2	1.1	1.0 - 1.2		
Total Volatile Organics (Non THM) (µg/L)	1	1.1	1.1	2	1.5	1.1 - 1.9		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

2.2.15 Ormsby Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)				1	418.0	418.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.17	12	0.09	0.07 - 0.17	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				1	<0.0002	<0.0002	0.0100	
Barium (mg/L)				1	0.064	0.064	2.000	
Boron (mg/L)				1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)				1	<0.005	<0.005	0.010	
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.12	0.12	1.00	
Chlorine total (mg/L)	4	1.99	1.96 - 2.02	12	2.03	1.96 - 2.11		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.005	<0.005	1.000	
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.64	0.64	1.50	0.60 - 0.80
Lead (mg/L)				1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01	1.00	
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				1	<0.5	<0.5	10.0	
Toluene (µg/L)				1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				1	16.5	16.5	100.0	50.0
Vinyl Chloride (µg/L)				1	<1.0	<1.0	2.0	
Xylenes total (µg/L)				1	<1.0	<1.0	90.0 (20.0)	

2.2.15 Ormsby Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	130.0	130.0		
Aluminum (mg/L)				1	0.082	0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.12	0.09 - 0.14	12	0.12	0.08 - 0.14		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.03	<0.03		
Calcium (mg/L)				1	52.6	52.6		
Calcium Hardness (mg/L CaCO3)				1	131.0	131.0		
Chloride Dissolved (mg/L)				1	5.7	5.7	(250.0)	
Cobalt (mg/L)				1	<0.0002	<0.0002		
Copper (mg/L)				1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				1	<0.005	<0.005	(0.100)	
Lithium (mg/L)				1	0.0035	0.0035		
Magnesium (mg/L)				1	16.6	16.6		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0007	0.0007		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.94	0.92 - 0.96	12	0.93	0.90 - 0.96		
Phosphorus (mg/L)				1	0.97	0.97		
Potassium (mg/L)				1	0.8	0.8		
Silicon (mg/L)				1	2.38	2.38		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	7.7	7.7	(200.0)	
Strontium (mg/L)				1	0.473	0.473	7.000	
Sulphate Dissolved (mg/L)				1	71.7	71.7	(500.0)	
Thallium (mg/L)				1	<0.0002	<0.0002		
Tin (mg/L)				1	<0.0005	<0.0005		
Titanium (mg/L)				1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				1	200.0	200.0		
Vanadium (mg/L)				1	<0.0005	<0.0005		
Zinc (mg/L)				1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				1	<0.001	<0.001		

2.2.15 Ormsby Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				1	0.8	0.8		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	15.5	15.5		
Dibromochloromethane (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				1	<0.5	<0.5	(15.0)	
Styrene (µg/L)				1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				1	<0.5	<0.5		
Total Organic Carbon (mg/L)				1	1.4	1.4		
Total Volatile Organics (Non THM) (µg/L)				1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				1	<0.5	<0.5		
Xylene (1,2) (µg/L)				1	<0.5	<0.5		
Xylene (1,4) (µg/L)				1	<0.5	<0.5		

2.2.16 Papaschase Reservoir 1

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)				1	405.0	405.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.07 - 0.13	12	0.10	0.07 - 0.14	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				1	<0.0002	<0.0002	0.0100	
Barium (mg/L)				1	0.062	0.062	2.000	
Boron (mg/L)				1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)				1	<0.005	<0.005	0.010	
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.22	0.22	1.00	
Chlorine total (mg/L)	4	1.87	1.82 - 1.97	12	1.86	1.81 - 1.97		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.005	<0.005	1.000	
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.69	0.69	1.50	0.60 - 0.80
Lead (mg/L)				1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)				1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)				1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01	1.00	
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)				1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)				1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)				1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				1	<0.5	<0.5	10.0	
Toluene (µg/L)				1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				1	18.5	18.5	100.0	50.0
Vinyl Chloride (µg/L)				1	<1.0	<1.0	2.0	
Xylenes total (µg/L)				1	<1.0	<1.0	90.0 (20.0)	

2.2.16 Papaschase Reservoir 1

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	130.0	130.0		
Aluminum (mg/L)				1	0.082	0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.15	0.12 - 0.18	11	0.15	0.12 - 0.18		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.03	<0.03		
Calcium (mg/L)				1	52.8	52.8		
Calcium Hardness (mg/L CaCO3)				1	132.0	132.0		
Chloride Dissolved (mg/L)				1	5.1	5.1	(250.0)	
Cobalt (mg/L)				1	<0.0002	<0.0002		
Copper (mg/L)				1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				1	0.010	0.010	(0.100)	
Lithium (mg/L)				1	0.0036	0.0036		
Magnesium (mg/L)				1	16.3	16.3		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0008	0.0008		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	11	0.91	0.90 - 0.94		
Phosphorus (mg/L)				1	0.95	0.95		
Potassium (mg/L)				1	0.8	0.8		
Silicon (mg/L)				1	2.38	2.38		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	7.3	7.3	(200.0)	
Strontium (mg/L)				1	0.468	0.468	7.000	
Sulphate Dissolved (mg/L)				1	69.3	69.3	(500.0)	
Thallium (mg/L)				1	<0.0002	<0.0002		
Tin (mg/L)				1	<0.0005	<0.0005		
Titanium (mg/L)				1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				1	199.0	199.0		
Vanadium (mg/L)				1	<0.0005	<0.0005		
Zinc (mg/L)				1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				1	<0.001	<0.001		

2.2.16 Papaschase Reservoir 1

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				1	0.8	0.8		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	17.5	17.5		
Dibromochloromethane (µg/L)				1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)				1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				1	<0.5	<0.5	(15.0)	
Styrene (µg/L)				1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				1	<0.5	<0.5		
Total Organic Carbon (mg/L)				1	1.4	1.4		
Total Volatile Organics (Non THM) (µg/L)				1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				1	<0.5	<0.5		
Xylene (1,2) (µg/L)				1	<0.5	<0.5		
Xylene (1,4) (µg/L)				1	<0.5	<0.5		

2.2.17 Papaschase Reservoir 2

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	424.0	424.0	2	397.5	371.0 - 424.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.06 - 0.23	12	0.10	0.06 - 0.23	(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	0.062	0.062	2	0.060	0.057 - 0.062	2.000	
Boron (mg/L)	1	0.023	0.023	2	0.016	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.31	0.31	2	0.20	0.1 - 0.31	1.00	
Chlorine total (mg/L)	4	1.99	1.97 - 2.01	12	2.00	1.97 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.71	0.71	2	0.72	0.71 - 0.72	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)	1	0.15	0.15	2	0.13	0.10 - 0.15	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	10.1	10.1	2	11.3	10.1 - 12.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.17 Papaschase Reservoir 2

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	113.0	113.0	2	115.5	113.0 - 118.0		
Aluminum (mg/L)	1	0.031	0.031	2	0.057	0.031 - 0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.11 - 0.15	12	0.13	0.10 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	47.8	47.8	2	47.1	46.3 - 47.8		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	2	117.5	116.0 - 119.0		
Chloride Dissolved (mg/L)	1	10.9	10.9	2	7.93	4.96 - 10.90	(250.00)	
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	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0037	0.0037	2	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)	1	14.8	14.8	2	14.9	14.8 - 14.9		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0006 - 0.0009		
Nickel (mg/L)	1	0.0005	0.0005	2	0.0005	<0.0005 - 0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.92	12	0.91	0.90 - 0.94		
Phosphorus (mg/L)	1	0.94	0.94	2	0.94	0.94		
Potassium (mg/L)	1	1.9	1.9	2	1.3	0.7 - 1.9		
Silicon (mg/L)	1	2.08	2.08	2	1.99	1.89 - 2.08		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	16.9	16.9	2	11.6	6.3 - 16.9	(200.0)	
Strontium (mg/L)	1	0.457	0.457	2	0.470	0.457 - 0.483	7.000	
Sulphate Dissolved (mg/L)	1	82.1	82.1	2	71.1	60.1 - 82.1	(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	180.0	180.0	2	178.5	177.0 - 180.0		
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		

2.2.17 Papaschase Reservoir 2

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.0	1.0	2	1.0	0.9 - 1.0		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	9.0	9.0	2	10.1	9.0 - 11.2		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.1	1.1	2	1.0	0.9 - 1.1		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	1.5	<1.0 - 2.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

2.2.18 Rosslyn Reservoir 1

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)								
Conductivity (µS/cm)								
pH								
Turbidity (NTU)	4	0.09	0.07 - 0.11	10	0.09	0.07 - 0.12	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)								
Arsenic (mg/L)								
Barium (mg/L)								
Boron (mg/L)								
Bromate Dissolved (mg/L)								
Cadmium (mg/L)								
Chlorate Dissolved (mg/L)								
Chlorine total (mg/L)	4	1.96	1.89 - 2.00	10	1.94	1.82 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)								
Chromium (mg/L)								
Fluoride (mg/L)								
Lead (mg/L)								
Mercury (mg/L)								
Nitrate (as N) dissolved (mg/L)								
Nitrite (as N) dissolved (mg/L)								
Selenium (mg/L)								
Uranium (mg/L)								
Primary Organics								
Benzene (µg/L)								
Carbon Tetrachloride (µg/L)								
Chlorobenzene (µg/L)								
Dichlorobenzene (1,2) (µg/L)								
Dichlorobenzene (1,4) (µg/L)								
Dichloroethane (1,2) (µg/L)								
Dichloroethylene (1,1) (µg/L)								
Ethylbenzene (µg/L)								
Methylene Chloride (Dichloromethane) (µg/L)								
Tetrachloroethylene (µg/L)								
Toluene (µg/L)								
Trichloroethylene (µg/L)								
Trihalomethanes (µg/L)								
Vinyl Chloride (µg/L)								
Xylenes total (µg/L)								

2.2.18 Rosslyn Reservoir 1

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)								
Aluminum (mg/L)								
Ammonia as NH3 (mg/L)	4	0.13	0.11 - 0.14	10	0.14	0.10 - 0.16		
Beryllium (mg/L)								
Bromide Dissolved (mg/L)								
Calcium (mg/L)								
Calcium Hardness (mg/L CaCO3)								
Chloride Dissolved (mg/L)								
Cobalt (mg/L)								
Copper (mg/L)								
Iron (mg/L)								
Lithium (mg/L)								
Magnesium (mg/L)								
Manganese (mg/L)								
Molybdenum (mg/L)								
Nickel (mg/L)								
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	10	0.91	0.88 - 0.94		
Phosphorus (mg/L)								
Potassium (mg/L)								
Silicon (mg/L)								
Silver (mg/L)								
Sodium (mg/L)								
Strontium (mg/L)								
Sulphate Dissolved (mg/L)								
Thallium (mg/L)								
Tin (mg/L)								
Titanium (mg/L)								
Total Hardness (mg/L CaCO3)								
Vanadium (mg/L)								
Zinc (mg/L)								
Zirconium (mg/L)								

2.2.18 Rosslyn Reservoir 1

March 2025

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

2.2.19 Rosslyn Reservoir 2

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	3	0.8	0.7 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	423.0	423.0	3	403.3	385.0 - 423.0		
pH	1	8	8	3	8	8		7 - 8
Turbidity (NTU)	4	0.09	0.07 - 0.10	12	0.10	0.07 - 0.11	(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	0.061	0.061	3	0.060	0.058 - 0.062	2.000	
Boron (mg/L)	1	0.020	0.020	3	0.012	0.008 - 0.020	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	3	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.26	0.26	3	0.17	0.1 - 0.26	1.00	
Chlorine total (mg/L)	4	1.87	1.81 - 1.94	12	1.84	1.68 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	3	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	3	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.66	0.66	3	0.66	0.64 - 0.67	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)	1	0.13	0.13	3	0.11	0.09 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	3	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	3	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	3	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	10.8	10.8	3	11.5	10.4 - 13.3	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0	90.0 (20.0)	

2.2.19 Rosslyn Reservoir 2

March 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	121.3	115.0 - 128.0		
Aluminum (mg/L)	1	0.034	0.034	3	0.064	0.034 - 0.085	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.15	0.13 - 0.16	12	0.15	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	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	49.1	49.1	3	49.4	47.5 - 51.7		
Calcium Hardness (mg/L CaCO3)	1	123.0	123.0	3	123.3	118.0 - 129.0		
Chloride Dissolved (mg/L)	1	11.0	11.0	3	7.28	5.40 - 11.00	(250.00)	
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	0.0038	0.0038	3	0.0035	0.0031 - 0.0038		
Magnesium (mg/L)	1	15.3	15.3	3	15.5	14.9 - 16.3		
Manganese (mg/L)	1	<0.002	<0.002	3	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	3	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	3	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.90 - 0.94	12	0.91	0.86 - 0.94		
Phosphorus (mg/L)	1	0.96	0.96	3	0.96	0.95 - 0.96		
Potassium (mg/L)	1	1.6	1.6	3	1.0	0.7 - 1.6		
Silicon (mg/L)	1	2.17	2.17	3	2.11	1.91 - 2.26		
Silver (mg/L)	1	<0.00002	<0.00002	3	<0.00002	<0.00002		
Sodium (mg/L)	1	15.5	15.5	3	9.9	6.7 - 15.5	(200.0)	
Strontium (mg/L)	1	0.464	0.464	3	0.472	0.464 - 0.478	7.000	
Sulphate Dissolved (mg/L)	1	80.0	80.0	3	70.2	61.3 - 80.0	(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	186.0	186.0	3	187.3	180.0 - 196.0		
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		

2.2.19 Rosslyn Reservoir 2

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.1	1.1	3	0.9	<0.5 - 1.2		
Bromoform (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Chloroform (µg/L)	1	9.5	9.5	3	10.5	9.5 - 12.1		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.2	1.2	3	1.2	1.0 - 1.3		
Total Volatile Organics (Non THM) (µg/L)	1	1.0	1.0	3	1.5	<1.0 - 2.4		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	3	<0.5	<0.5		

2.2.20 Thorncliff Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.8	0.8	2	0.7	0.6 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	415.0	415.0	2	396.0	377.0 - 415.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.09	0.07 - 0.10	12	0.10	0.07 - 0.17	(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	0.063	0.063	2	0.060	0.057 - 0.063	2.000	
Boron (mg/L)	1	0.023	0.023	2	0.016	0.008 - 0.023	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.003 - <0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.10	0.10	2	0.10	<0.1 - 0.10	1.00	
Chlorine total (mg/L)	4	1.83	1.80 - 1.87	12	1.87	1.80 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.2	<0.005 - <0.2	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.63	0.63	2	0.64	0.63 - 0.64	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)	1	0.13	0.13	2	0.12	0.11 - 0.13	10.00	
Nitrite (as N) dissolved (mg/L)	1	<0.01	<0.01	2	<0.01	<0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	9.6	9.6	2	10.9	9.6 - 12.2	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	117.0	117.0	2	117.5	117.0 - 118.0		
Aluminum (mg/L)	1	0.039	0.039	2	0.067	0.039 - 0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.14	0.11 - 0.17	12	0.13	0.09 - 0.17		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	48.9	48.9	2	47.7	46.5 - 48.9		
Calcium Hardness (mg/L CaCO3)	1	122.0	122.0	2	119.0	116.0 - 122.0		
Chloride Dissolved (mg/L)	1	8.2	8.2	2	6.93	5.65 - 8.21	(250.00)	
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	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	2	0.0032	0.0029 - 0.0035		
Magnesium (mg/L)	1	15.2	15.2	2	15.0	14.8 - 15.2		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0006 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.94	0.92 - 0.96	12	0.93	0.88 - 0.96		
Phosphorus (mg/L)	1	0.97	0.97	2	0.96	0.94 - 0.97		
Potassium (mg/L)	1	1.6	1.6	2	1.2	0.7 - 1.6		
Silicon (mg/L)	1	2.15	2.15	2	2.01	1.87 - 2.15		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.0	14.0	2	10.3	6.6 - 14.0	(200.0)	
Strontium (mg/L)	1	0.461	0.461	2	0.468	0.461 - 0.475	7.000	
Sulphate Dissolved (mg/L)	1	78.0	78.0	2	69.8	61.6 - 78.0	(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	185.0	185.0	2	181.0	177.0 - 185.0		
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		

2.2.20 Thorncliff Reservoir

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	0.9	0.9	2	0.8	0.7 - 0.9		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	8.7	8.7	2	9.9	8.7 - 11.1		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.1	1.1	2	1.1	1.0 - 1.1		
Total Volatile Organics (Non THM) (µg/L)	1	1.1	1.1	2	1.6	1.1 - 2.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	36	990.3	36.4 - 4962.0	106	556.8	21.3 - 7308.0
Cryptosporidium (oocysts/100L)	2	3.3	<2.78 - 3.8	6	<32.29	<1 - 32.3
E. coli (MPN/100 mL)	36	37.1	1.0 - 126.0	106	53.9	1.0 - 3328.0
Giardia (cysts/100L)	2	15.0	11.1 - 18.8	6	18.8	<1.64 - 32.3
Physical						
Colour (TCU)	62	11.2	3.6 - 28.5	180	6.3	2.4 - 28.5
Conductivity (µS/cm)	8	378.8	363.0 - 399.0	24	375.5	345.0 - 412.0
pH	2	8	8	6	8	8
Total Dissolved Solids (mg/L)	2	113.50	49.00 - 178.00	6	185.33	49.00 - 246.00
Total Suspended Solids (mg/L)	2	2.5	<1.0 - 3.9	6	3.9	<1.0 - 3.9
Turbidity (NTU)	62	4.37	1.26 - 37.70	180	2.73	1.04 - 37.70
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Arsenic (mg/L)	2	0.0003	0.0002 - 0.0004	6	0.0003	<0.0002 - 0.0004
Arsenic dissolved (mg/L)	2	0.0002	0.0002	6	0.0002	<0.0002 - 0.0002
Barium (mg/L)	2	0.065	0.062 - 0.068	6	0.064	0.056 - 0.071
Barium dissolved (mg/L)	2	0.063	0.061 - 0.064	6	0.063	0.055 - 0.071
Boron (mg/L)	2	0.011	0.010 - 0.011	6	0.010	0.008 - 0.011
Boron dissolved (mg/L)	2	0.010	0.009 - 0.010	6	0.010	0.009 - 0.010
Bromate Dissolved (mg/L)	8	0.005	<0.005	24	0.005	<0.003 - 0.005
Cadmium (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	24	<0.1	<0.01 - <0.1
Chlorine total (mg/L)	2	<0.03	<0.03	6	<0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	24	<0.2	<0.005 - <0.2
Chromium (mg/L)	2	0.0004	0.0003 - 0.0005	6	0.0003	<0.0002 - 0.0005
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Cyanide (mg/L)				2	<0.002	<0.002
Fluoride (mg/L)	8	0.12	0.11 - 0.13	24	0.11	0.09 - 0.14
Lead (mg/L)	2	0.0002	<0.0002	6	0.0002	<0.0002 - 0.0002
Lead dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Mercury (µg/L)				2	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Mercury dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.13	0.10 - 0.18	22	0.10	0.08 - 0.18
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	22	0.01	<0.01
Selenium (mg/L)	2	0.0003	0.0002 - 0.0003	6	0.0003	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	0.0003	0.0003	6	0.0003	0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	0.0006	6	0.0006	0.0005 - 0.0006
Uranium dissolved (mg/L)	2	0.0006	0.0006	6	0.0006	0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)				2	<0.250	<0.250
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				2	<0.250	<0.250
Atrazine + metabolites (µg/L)				2	<0.10	<0.10
Benzene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)				2	<0.005	<0.005
Bromoxynil (µg/L)				2	<0.250	<0.250
Carbon Tetrachloride (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)				2	<0.10	<0.10
Cyanazine (µg/L)				2	<0.100	<0.100
Diazinon (µg/L)				2	<0.0250	<0.0250
Dicamba (µg/L)				2	<0.50	<0.50
Dichlorobenzene (1,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichlorobenzene (1,4) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
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
Diquat (µg/L)				2	<1.0	<1.0
Diuron (µg/L)				2	<0.050	<0.050
Ethylbenzene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Glyphosate (µg/L)				2	<0.20	<0.20
Malathion (µg/L)				2	<0.0250	<0.0250
Methylene Chloride (Dichloromethane) (µg/L)	62	0.5	<0.5 - 1.0	180	<1.00	<0.5 - <1.00
Metolachlor (µg/L)				2	<0.0250	<0.0250
Metribuzin (µg/L)				2	<0.100	<0.100
Microcystin total (µg/L)				2	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)				2	<0.4	<0.4
Omethoate (as dimethoate) (µg/L)				2	<0.16	<0.16
Pentachlorophenol (µg/L)				2	<0.50	<0.50
Phorate (µg/L)				2	<0.250	<0.250
Picloram (µg/L)				2	<0.50	<0.50
Simazine (µg/L)				2	<0.100	<0.100
Terbufos (µg/L)				2	<0.50	<0.50
Tetrachloroethylene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Tetrachlorophenol (2,3,4,6) (µg/L)				2	<0.50	<0.50
Toluene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)				2	<0.20	<0.20
Trifluralin (µg/L)				2	<0.10	<0.10
Trihalomethanes (µg/L)	62	<1.0	<1.0	180	<1.0	<1.0
Vinyl Chloride (µg/L)	62	<1.0	<1.0	180	<1.0	<0.50 - <1.0
Xylenes total (µg/L)	62	<1.0	<1.0	180	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Organics						
Bromodichloromethane (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Bromoform (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Chloroform (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	62	<1.0	<1.0	180	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Styrene (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	2.0	1.5 - 2.7	24	1.5	0.9 - 2.7
Total Volatile Organics (Non THM) (µg/L)	62	1.1	<1.0 - 1.6	176	1.3	<1.0 - 2.9
Trichlorobenzene (1,2,4) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	62	<0.5	<0.5	180	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	62	<0.5	<0.5	180	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	62	<0.5	<0.5	180	<0.5	<0.40 - <0.5

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)	2	<3	<3	6	<3	<3
Alkalinity total (mg CaCO3/L)	8	123.5	118.0 - 131.0	24	126.7	115.0 - 141.0
Aluminum (mg/L)	2	0.251	0.161 - 0.340	6	0.160	0.078 - 0.340
Ammonia as NH3 (mg/L)	62	0.05	<0.01 - 0.12	120	0.05	<0.01 - 0.12
Beryllium (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Bromide Dissolved (mg/L)	8	<0.03	<0.03	24	<0.05	<0.03 - <0.05
Calcium (mg/L)	2	49.7	49.4 - 49.9	6	50.0	46.0 - 54.5
Calcium Hardness (mg/L CaCO3)	8	117.8	113.0 - 125.0	24	121.1	113.0 - 136.0
Chloride Dissolved (mg/L)	8	4.2	1.3 - 6.7	24	1.99	0.50 - 6.74
Chlorine free (mg/L)	2	<0.07	<0.07	6	<0.07	<0.07
Cobalt (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Copper (mg/L)	2	0.004	<0.002 - 0.005	6	0.004	<0.002 - 0.006
Iron (mg/L)	2	0.235	0.120 - 0.349	6	0.145	0.063 - 0.349
Lanthanum (mg/L)	2	<0.001	<0.001	6	<0.001	<0.001
Lithium (mg/L)	2	0.0040	0.0039 - 0.0041	6	0.0036	0.0030 - 0.0041
Magnesium (mg/L)	2	15.5	15.4 - 15.5	6	15.6	14.2 - 17.3
Manganese (mg/L)	2	0.009	0.004 - 0.014	6	0.005	<0.002 - 0.014
Molybdenum (mg/L)	2	0.0007	0.0007	6	0.0007	0.0005 - 0.0008
Nickel (mg/L)	2	0.0008	0.0006 - 0.0010	6	0.0007	<0.0005 - 0.0010
Nitrogen Total Kjeldahl (TKN) (mg/L N)	62	0.2	<0.1 - 0.4	66	0.2	<0.1 - 0.4
Phosphate Ortho (as P) (mg/L as P)	2	<0.02	<0.02	6	<0.02	<0.02
Phosphorus (mg/L)	2	0.03	0.02 - 0.03	6	0.02	<0.02 - 0.03
Potassium (mg/L)	2	1.2	1.0 - 1.4	6	0.9	0.6 - 1.4
Silicon (mg/L)	2	2.44	2.22 - 2.66	6	2.26	1.88 - 2.66
Silver (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002
Sodium (mg/L)	2	8.0	7.2 - 8.7	6	5.0	2.8 - 8.7
Strontium (mg/L)	2	0.473	0.472 - 0.473	6	0.474	0.464 - 0.485
Sulphate Dissolved (mg/L)	8	61.4	58.6 - 63.8	24	62.2	56.4 - 70.3
Sulphide (mg/L)				2	<0.0015	<0.0015
Thallium (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Tin (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Titanium (mg/L)	2	0.0062	0.0037 - 0.0086	6	0.0036	0.0013 - 0.0086
Total Hardness (mg/L CaCO3)	8	177.6	170.0 - 186.0	24	183.0	168.0 - 202.0
Total Kjeldahl (TKN) (mg/L)				4	0.11	<0.07 - 0.15
Vanadium (mg/L)	2	0.0007	<0.0005 - 0.0009	6	0.0006	<0.0005 - 0.0009
Zinc (mg/L)	2	<0.005	<0.005	6	0.005	<0.005 - 0.006
Zirconium (mg/L)	2	<0.001	<0.001	6	<0.001	<0.001

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

March 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.015	<0.005 - 0.024	6	0.009	<0.005 - 0.024
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Calcium dissolved (mg/L)	2	49.2	48.6 - 49.7	6	50.3	45.7 - 55.6
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Copper dissolved (mg/L)	2	0.003	<0.002 - 0.004	6	0.003	<0.002 - 0.005
Iron dissolved (mg/L)	2	0.007	<0.005 - 0.008	6	0.006	<0.005 - 0.008
Lanthanum Dissolved (mg/L)	2	<0.001	<0.001	6	<0.001	<0.001
Lithium dissolved (mg/L)	2	0.0039	0.0038 - 0.0039	6	0.0036	0.0028 - 0.0039
Magnesium dissolved (mg/L)	2	15.5	15.3 - 15.6	6	15.6	14.2 - 17.2
Manganese dissolved (mg/L)	2	0.004	<0.002 - 0.005	6	0.003	<0.002 - 0.005
Molybdenum dissolved (mg/L)	2	0.0007	0.0007	6	0.0007	0.0005 - 0.0008
Nickel dissolved (mg/L)	2	0.0005	<0.0005	6	0.0005	<0.0005 - 0.0005
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	6	<0.02	<0.02
Potassium dissolved (mg/L)	2	1.2	1.0 - 1.3	6	0.9	0.6 - 1.3
Silicon dissolved (mg/L)	2	1.94	1.90 - 1.97	6	1.99	1.65 - 2.33
Silver dissolved (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	8.0	7.3 - 8.7	6	5.1	2.8 - 8.7
Strontium dissolved (mg/L)	2	0.474	0.471 - 0.477	6	0.473	0.460 - 0.484
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002
Tin dissolved (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	6	<0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	6	0.005	<0.005 - 0.005
Zirconium dissolved (mg/L)	2	<0.001	<0.001	6	<0.001	<0.001