EDMONTON WATERWORKS
MONTHLY REPORT

February 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 a minimum of one day ahead of the actual bypass. All other bypasses are considered unplanned.

In February, Rossdale Plant had no planned bypasses and no shutdowns.

Date	Type	Bypass Description

In February, E.L. Smith Plant had one planned shutdown and one unplanned bypass.

Date	Type	Bypass Description
Feb 11	Planned	6 hour shutdown for maintenance and project work
Feb 19	Unplanned	0.8 hour bypass for UV system Tripped

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

Chemical Dosing Highlights

In February, 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 – February 2025

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20250202-824230-v1	About 182 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.	February 2, 2025	437359
ENV-20250204-022203-v1	About 81 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.	February 4, 2025	437445
ENV-20250210-841169-v1	About 49 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.	February 9, 2025	437558
ENV-20250211-781784-v1	About 75 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.	February 11, 2025	437613
ENV-20250214-450184-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.	February 14, 2025	437703

ENV-20250214-348956-v1	About 39 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.	February 14, 2025	437695
ENV-20240214-198820-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.	February 13, 2025	437683
ENV-20250215-507075-v1	About 42 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.	February 15, 2025	437725
ENV-20250216-042632-v1	About 5 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.	February 16, 2025	437734
ENV-20250217-744173-v1	About 72 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.	February 17, 2025	437746

ENV-20250219-727289-v1	About 31 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.	February 19, 2025	437826
ENV-20250219-709193-v1	About 76 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.	February 19, 2025	437824
ENV-20250219-212076-v1	About 65 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.	February 18, 2025	437798
ENV-20250220-511781-v1	About 42 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.	February 20, 2025	437858
ENV-20250220-294281-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.	February 20, 2025	437841

ENV-20250221-189513-v1	About 56 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.	February 21, 2025	437888
ENV-20250221-716917-v1	About 33 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water The leak was isolated until the repair was completed.	February 21, 2025	437936
ENV-20250222-452450-v1	About 49 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.	February 22, 2025	437967
ENV-20250222-439837-v1	About 30 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.	February 22, 2025	437966
ENV-20250223-055675-v1	About 36 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.	February 23, 2025	437982

ENV-20250223-059804-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.	February 23, 2025	437983
ENV-20250223-517035-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.	February 23, 2025	437999
ENV-20250224-834911-v1	About 60 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.	February 24, 2025	438001
ENV-20250226-830774-v1	About 55 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water The leak was isolated until the repair was completed.	February 26, 2025	438131
ENV-20250226-583534-v1	About 102 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.	February 26, 2025	438103

ENV-20250227-936232-v1	About 137 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water The leak is continuing to be isolated until the repair is completed.	February 27, 2025	438170
ENV-20250303-912671	Random in home sample taken at the kitchen tap failed for total coliforms at the address 3108 Paisley Rd SW on 02/27/2025. AEPA Ref # 438259. Call requested 371236 created and dispatched to crew for resampling including upstream and downstream locations. Resample results were negative for total coliforms.	February 27, 2025	438259

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
Lead Operator	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)

February 2025

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	115	--	115	304	419
2	115	--	115	301	416
3	115	--	115	301	416
4	115	--	115	299	414
5	115	--	115	298	413
6	115	--	115	302	417
7	115	--	115	303	418
8	115	--	115	301	416
9	115	--	115	311	426
10	115	--	115	319	434
11	122	--	122	255	378
12	134	--	134	307	442
13	137	--	137	301	438
14	140	--	140	301	441
15	140	--	140	295	434
16	140	--	140	293	433
17	140	--	140	285	425
18	140	--	140	280	420
19	140	--	140	280	420
20	140	--	140	281	421
21	140	--	140	280	420
22	139	--	139	281	420
23	139	--	139	281	420
24	139	--	139	292	431
25	140	--	140	309	449
26	140	--	140	309	449
27	140	--	140	301	441
28	127	--	127	295	422
Monthly Total	3,627	--	3,627	8,267	11,893
Monthly Min	115	--	115	255	
Monthly Max	140	--	140	319	
Monthly Avg	130	--	130	295	425

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

February 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	47	174	107	248	295	264	372	69.4
2	54	136	103	208	293	258	361	69.6
3	55	204	107	201	297	260	367	66.9
4	65	185	106	244	295	258	363	68.3
5	71	143	105	204	298	260	365	68.8
6	73	186	105	202	294	259	364	68.8
7	64	173	107	244	297	257	363	69.1
8	64	181	106	208	289	248	354	69.4
9	48	157	109	209	290	252	360	67.6
10	59	183	104	233	295	267	371	65.8
11	58	188	114	0.0	294	199	313	68.2
12	78	180	122	240	298	257	379	60.3
13	73	202	128	206	292	256	385	61.3
14	73	202	130	207	297	249	379	64.2
15	62	198	132	206	296	251	384	67.8
16	58	202	129	251	292	250	379	70.7
17	61	199	131	205	284	242	373	72.7
18	60	184	126	206	295	236	361	71.0
19	77	204	132	204	299	228	360	71.2
20	65	203	129	208	298	241	370	68.5
21	77	200	132	201	294	238	370	69.9
22	59	202	130	204	295	240	369	70.2
23	69	204	131	204	297	240	371	70.1
24	68	204	127	204	288	246	374	67.1
25	50	203	130	241	291	267	397	66.8
26	83	202	131	248	289	267	398	72.2
27	79	200	130	211	280	252	382	74.8
28	49	191	108	202	293	244	352	73.9
Monthly Tota			3,349			6,985	10,335	
Monthly Min	47			0.0				
Monthly Max		204			299			
Monthly Avg			120			249	369	

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

February 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	1.6	2.1	2.0	8.0	8.1	8.1	2.7	3.2	3.0		1.9	2.1	2.0	8.0	8.0	8.0	2.7	2.8	2.8	
2	1.6	1.8	1.7	8.1	8.1	8.1	2.5	2.7	2.6		1.8	2.0	1.9	8.0	8.0	8.0	2.5	2.7	2.6	
3	1.7	1.8	1.8	8.0	8.1	8.1	2.6	2.7	2.6		1.9	2.1	2.0	8.0	8.1	8.0	2.6	3.1	2.8	
4	1.6	1.8	1.7	8.0	8.1	8.1	2.6	2.8	2.7		1.6	2.1	1.8	8.0	8.1	8.0	2.8	3.1	2.9	
5	1.4	1.7	1.6	8.1	8.1	8.1	2.7	3.1	2.9		1.4	1.8	1.6	8.0	8.1	8.0	2.8	3.0	2.9	
6	1.4	4.4	2.2	8.0	8.1	8.0	2.9	3.0	3.0		1.8	4.7	3.1	8.1	8.1	8.1	2.7	3.5	2.8	
7	3.6	5.1	4.8	8.0	8.1	8.1	2.9	4.7	3.6		3.1	4.7	3.9	8.0	8.1	8.1	3.5	5.1	4.4	
8	2.6	3.7	3.3	7.8	8.1	7.4	4.7	5.6	5.2		2.0	3.3	2.6	7.9	8.1	8.0	5.1	5.7	5.3	
9	1.6	6.1	2.3	8.1	8.2	8.1	5.0	6.1	5.3		1.9	3.3	2.5	7.9	8.1	8.0	5.1	5.8	5.4	
10	3.7	3.8	3.8	8.1	8.1	6.0	4.7	6.1	5.1		2.5	3.6	3.2	8.0	8.1	8.0	4.8	5.3	5.0	
11	2.2	3.7	2.4	8.0	8.1	8.1	4.7	5.4	5.2		2.3	3.2	2.8	8.0	8.1	8.0	5.1	5.3	5.2	
12	1.7	4.5	2.4	8.0	8.1	8.1	4.5	4.9	4.8		2.1	2.7	2.3	8.0	8.0	8.0	4.8	5.1	4.8	
13	1.8	4.5	3.1	8.0	8.1	8.0	3.9	5.4	4.9		2.2	2.7	2.4	8.0	8.1	8.0	4.2	4.8	4.4	
14	1.8	4.4	2.6	8.0	8.1	8.1	3.9	4.2	3.9		2.5	4.3	3.7	7.9	8.0	8.0	4.1	4.4	4.2	
15	2.4	4.4	3.5	8.0	8.1	8.1	4.2	4.7	4.4		2.5	4.2	3.2	7.9	8.0	8.0	3.7	4.9	4.4	
16	2.4	3.4	2.7	8.0	8.1	8.0	4.6	4.7	4.7		3.2	4.8	3.8	8.0	8.0	8.0	4.5	4.9	4.7	
17	3.4	7.6	5.0	8.0	8.1	8.0	4.2	4.7	4.4		4.8	8.3	6.6	8.0	8.0	8.0	4.5	5.0	4.8	
18	4.2	7.6	5.8	8.0	8.1	8.1	4.7	5.9	5.0		4.2	6.9	5.4	8.0	8.1	8.0	4.6	5.2	5.1	
19	2.8	4.1	3.5	8.0	8.1	8.1	4.9	5.2	5.0		1.9	5.4	3.0	8.0	8.1	8.1	4.6	5.3	5.1	
20	1.9	2.9	2.3	8.0	8.1	8.0	4.9	5.1	5.0		1.9	3.4	2.7	8.0	8.1	8.0	4.8	5.2	5.1	
21	2.3	2.9	2.6	8.0	8.0	8.0	4.5	5.3	5.0		2.3	3.4	2.8	8.0	8.1	8.0	4.5	4.8	4.6	
22	1.9	8.9	2.5	8.0	8.1	8.0	4.7	5.8	4.9		2.1	2.3	2.2	8.0	8.1	8.1	4.6	4.8	4.7	
23	2.2	22	6.6	8.0	8.1	8.0	4.6	8.1	5.4		1.8	2.7	2.3	8.0	8.0	8.0	4.4	4.7	4.6	
24	2.5	22	6.9	8.0	8.0	8.0	4.5	8.1	5.6		2.1	2.9	2.4	8.0	8.0	8.0	3.9	4.4	4.1	
25	3.6	9.2	4.8	8.0	8.0	8.0	3.7	5.9	4.6		2.9	3.4	3.2	8.0	8.0	8.0	3.3	3.9	3.6	
26	3.2	6.1	4.1	8.0	8.0	8.0	3.4	4.3	3.9		2.8	3.6	3.3	8.0	8.0	8.0	3.1	3.6	3.3	
27	3.2	9.6	5.3	8.0	8.1	8.0	3.4	5.0	4.2		2.2	3.1	2.9	8.0	8.0	8.0	3.6	3.7	3.6	
28	3.3	25	7.6	8.0	8.1	8.0	3.7	9.0	5.3		2.2	4.0	3.2	8.0	8.1	8.0	3.6	3.9	3.7	
Monthly Min/Max/Avg	1.4	25	3.5	7.8	8.2	8.0	2.5	9.0	4.4		1.4	8.3	2.9	7.9	8.1	8.0	2.5	5.8	4.2	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

February 2025

Day	Rossdale														E.L. Smith											
	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg
1	0.06	0.09	0.08	2.01	2.06	2.04	7.9	7.9	7.9	0.68	0.69	0.69	178	0.7	0.06	0.06	0.06	1.93	1.98	1.93	7.9	7.9	7.9	0.68	0.69	0.68	178	0.6
2	0.06	0.08	0.07	2.01	2.06	2.05	7.9	7.9	7.9	0.69	0.72	0.70	176	0.4	0.06	0.06	0.06	1.93	1.98	1.94	7.9	7.9	7.9	0.68	0.68	0.68	176	0.6
3	0.06	0.10	0.07	2.01	2.11	2.04	7.9	8.0	7.9	0.69	0.72	0.70	174	0.3	0.06	0.06	0.06	1.93	1.98	1.94	7.9	7.9	7.9	0.68	0.68	0.68	175	0.5
4	0.07	0.09	0.08	2.01	2.11	2.07	7.9	8.0	7.9	0.69	0.70	0.69	178	0.7	0.06	0.06	0.06	1.93	1.98	1.94	7.9	7.9	7.9	0.68	0.69	0.68	176	0.7
5	0.04	0.06	0.04	2.06	2.11	2.09	7.9	8.0	7.9	0.70	0.71	0.70	179	0.7	0.06	0.06	0.06	1.93	1.98	1.96	7.9	7.9	7.9	0.68	0.69	0.68	181	0.5
6	0.04	0.07	0.04	2.01	2.16	2.12	7.9	7.9	7.9	0.70	0.71	0.71	181	0.6	0.06	0.06	0.06	1.93	2.02	1.96	7.9	7.9	7.9	0.68	0.69	0.69	179	0.5
7	0.04	0.06	0.05	2.01	2.06	2.13	7.9	8.0	7.9	0.70	0.70	0.70	179	0.6	0.06	0.07	0.06	1.93	1.98	1.94	7.9	7.9	7.9	0.68	0.69	0.69	188	0.7
8	0.07	0.10	0.08	2.01	2.16	2.11	7.9	8.0	7.9	0.70	0.71	0.71	197	0.9	0.07	0.07	0.07	1.93	2.00	1.96	7.9	7.9	7.9	0.68	0.69	0.69	101	0.8
9	0.04	0.07	0.05	1.96	2.11	2.04	7.9	8.0	7.9	0.71	0.72	0.72	105	1.2	0.06	0.07	0.07	1.96	2.02	1.98	7.9	7.9	7.9	0.68	0.70	0.69	106	1.1
10	0.05	0.08	0.07	1.91	2.11	2.02	7.9	8.0	7.9	0.71	0.72	0.72	105	1.1	0.06	0.07	0.07	1.96	2.02	1.98	7.9	7.9	7.9	0.68	0.70	0.69	103	0.8
11	0.06	0.10	0.07	1.96	2.16	2.06	7.9	8.0	7.9	0.71	0.72	0.72	102	1.1	0.07	0.08	0.07	1.95	2.02	1.85	7.7	8.0	7.9	0.68	0.78	0.70	102	1.0
12	0.05	0.08	0.06	2.01	2.16	2.08	7.9	8.0	7.9	0.72	0.73	0.73	101	1.1	0.06	0.07	0.07	1.97	2.02	1.99	7.9	7.9	7.9	0.68	0.70	0.69	98	0.9
13	0.07	0.08	0.07	1.91	2.11	2.07	7.9	7.9	7.9	0.72	0.73	0.72	102	1.0	0.06	0.07	0.06	1.95	2.02	1.98	7.9	7.9	7.9	0.68	0.69	0.68	198	0.9
14	0.07	0.10	0.07	2.01	2.16	2.13	7.9	8.0	7.9	0.71	0.72	0.72	101	0.9	0.06	0.06	0.06	1.93	2.00	1.97	7.9	7.9	7.9	0.68	0.68	0.68	97	0.9
15	0.07	0.09	0.07	1.96	2.16	2.04	7.9	7.9	7.9	0.72	0.73	0.72	192	1.0	0.06	0.06	0.06	1.93	1.98	1.95	7.9	7.9	7.9	0.68	0.69	0.68	193	0.8
16	0.06	0.10	0.07	1.96	2.13	2.09	7.9	8.0	7.9	0.72	0.73	0.72	193	0.9	0.06	0.07	0.06	1.88	1.98	1.93	7.9	7.9	7.9	0.68	0.69	0.68	198	0.8
17	0.07	0.10	0.07	2.06	2.16	2.13	7.9	8.0	7.9	0.72	0.72	0.72	198	0.9	0.06	0.06	0.06	1.91	1.96	1.93	7.9	7.9	7.9	0.68	0.69	0.68	198	0.9
18	0.06	0.10	0.07	2.06	2.16	2.15	7.9	7.9	7.9	0.72	0.73	0.73	198	0.9	0.06	0.07	0.07	1.90	1.96	1.92	7.9	7.9	7.9	0.68	0.70	0.69	200	0.9
19	0.07	0.07	0.07	2.01	2.16	2.09	7.9	8.0	7.9	0.72	0.73	0.73	102	1.1	0.07	0.07	0.07	1.93	1.98	1.95	7.9	8.0	7.9	0.69	0.70	0.69	100	0.8
20	0.07	0.08	0.08	2.06	2.16	2.11	7.9	8.0	8.0	0.73	0.73	0.73	100	1.0	0.06	0.07	0.07	1.93	1.98	1.95	8.0	8.0	8.0	0.67	0.70	0.69	102	1.0
21	0.07	0.09	0.07	2.01	2.21	2.13	7.9	8.0	8.0	0.72	0.73	0.73	102	1.0	0.06	0.08	0.07	1.93	1.96	1.93	8.0	8.0	8.0	0.67	0.67	0.67	102	1.0
22	0.07	0.09	0.08	2.01	2.11	2.08	7.9	8.0	8.0	0.73	0.73	0.73	198	1.0	0.06	0.06	0.06	1.93	1.98	1.96	8.0	8.0	8.0	0.67	0.67	0.67	105	1.0
23	0.07	0.08	0.08	2.01	2.11	2.06	7.9	8.0	8.0	0.72	0.73	0.73	104	1.1	0.06	0.06	0.06	1.88	1.94	1.92	8.0	8.0	8.0	0.67	0.67	0.67	102	1.0
24	0.07	0.10	0.07	1.96	2.21	2.09	7.9	7.9	7.9	0.73	0.73	0.73	103	1.2	0.06	0.06	0.06	1.89	1.97	1.93	8.0	8.0	8.0	0.67	0.67	0.67	102	0.9
25	0.05	0.08	0.05	2.06	2.21	2.11	7.9	7.9	7.9	0.73	0.74	0.74	100	1.2	0.06	0.06	0.06	1.93	1.98	1.97	8.0	8.0	8.0	0.66	0.67	0.67	101	0.7
26	0.06	0.10	0.07	2.06	2.16	2.12	7.9	7.9	7.9	0.73	0.73	0.73	198	1.0	0.06	0.06	0.06	1.93	1.99	1.97	7.9	8.0	8.0	0.66	0.67	0.66	193	0.6
27	0.06	0.08	0.07	1.96	2.16	2.07	7.9	7.9	7.9	0.73	0.73	0.73	93	0.7	0.06	0.06	0.06	1.93	1.99	1.97	7.8	8.0	7.9	0.64	0.67	0.66	92	0.7
28	0.06	0.07	0.06	1.96	2.11	2.03	7.6	7.9	7.7	0.70	0.73	0.71	93	0.8	0.06	0.07	0.06	1.88	1.98	1.91	7.8	7.8	7.8	0.64	0.65	0.64	94	0.5
Monthly Min/Max/ Avg	0.04	0.10	0.07	1.91	2.21	2.08	7.6	8.0	7.9	0.68	0.74	0.72	144	0.9	0.06	0.08	0.06	1.88	2.02	1.95	7.7	8.0	7.9	0.64	0.78	0.68	141	0.8

NOTES: ' -- ' indicates plant offline

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

February 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	5	2	6	24	9	2	8	5	--	--	--	1	3	2	2	5	3	4	24	6	3	11	6
2	2	17	5	1	2	1	2	8	5	1	7	3	5	20	7	--	--	--	--	--	--	1	6	4	1	6	3
3	1	6	2	3	12	6	1	4	2	--	--	--	2	8	5	2	19	5	4	21	6	1	4	2	1	3	2
4	1	4	1	2	6	4	1	3	2	3	16	6	1	5	3	1	4	2	2	7	4	--	--	--	3	12	5
5	3	15	5	1	4	2	3	24	6	2	7	4	--	--	--	1	2	1	1	4	2	3	21	6	2	6	4
6	2	6	4	--	--	--	2	5	3	2	13	4	4	18	6	3	15	5	--	--	--	2	7	4	1	33	2
7	2	5	3	6	12	9	--	--	--	5	14	8	3	11	6	3	7	5	7	17	10	2	5	3	--	--	--
8	--	--	--	3	12	6	6	20	10	2	12	5	4	6	4	1	5	3	2	10	6	8	26	12	3	17	8
9	7	17	10	1	8	3	3	11	5	--	--	--	7	22	12	--	--	--	2	4	3	3	10	6	2	22	5
10	3	10	6	--	--	--	2	5	3	6	17	9	4	15	8	3	27	7	13	24	18	2	16	5	11	38	22
11	2	23	4	4	14	6	15	19	18	3	35	6	3	8	5	1	6	3	3	15	7	--	--	--	4	19	7
12	4	22	9	1	6	3	3	16	6	4	22	11	6	23	9	1	36	5	3	21	10	3	22	6	2	6	3
13	2	16	6	2	22	8	1	5	3	4	14	7	2	9	5	2	17	5	4	23	7	1	5	3	3	13	8
14	1	18	5	2	30	4	4	24	7	2	15	4	1	5	3	1	4	2	2	8	4	1	10	4	3	24	7
15	4	27	7	1	4	2	1	7	4	1	25	5	8	25	12	2	5	3	1	31	6	2	29	6	1	19	3
16	2	7	4	1	6	2	2	5	3	4	16	7	3	13	7	3	19	6	7	20	9	1	35	6	2	42	12
17	2	15	7	7	17	9	1	36	21	3	36	8	1	12	3	2	44	6	3	10	6	15	41	29	3	15	6
18	2	23	6	1	42	4	1	17	6	8	41	24	2	25	8	2	29	6	3	33	12	3	23	7	3	48	10
19	1	24	5	1	31	4	1	26	5	2	15	9	1	8	3	1	16	3	3	20	6	1	31	3	3	18	6
20	--	--	--	1	5	3	2	16	5	1	8	3	1	21	6	1	16	2	1	6	3	3	19	8	2	12	5
21	1	20	5	1	18	1	1	5	2	4	17	8	1	6	3	3	13	5	1	3	2	--	--	--	1	4	2
22	1	4	2	1	13	3	--	--	--	2	8	4	1	4	2	1	5	2	3	20	5	2	24	4	1	2	1
23	1	2	1	1	3	1	--	--	--	1	9	3	3	23	6	1	2	1	1	5	3	1	5	2	2	16	4
24	1	17	3	1	1	1	4	28	9	2	15	5	2	18	5	1	13	3	1	9	2	1	24	2	1	4	2
25	1	2	1	1	12	3	2	9	4	1	7	2	1	20	4	1	3	1	--	--	--	1	7	2	1	2	1
26	1	21	3	1	3	1	2	4	3	1	6	1	1	6	2	1	1	1	1	23	3	1	2	1	2	16	3
27	1	19	2	1	1	1	1	13	8	1	20	7	1	3	1	1	14	2	1	40	4	1	1	1	1	14	2
28	1	40	5	1	19	5	1	39	4	1	39	6	1	21	4	1	26	1	1	42	15	1	23	5	1	16	4
Monthly Min/Max/Avg	1	40	4	1	42	4	1	39	6	1	41	6	1	25	5	1	44	3	1	42	6	1	41	6	1	48	5

NOTE: ' -- ' indicates filter offline

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

February 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	2	19	5	1	6	3	1	27	3	1	21	5	2	16	5	3	28	8	3	44	7	3	32	6	3	25	6
2	1	6	3	1	15	4	2	17	5	1	18	3	1	13	3	2	15	5	2	29	8	2	30	5	2	30	5
3	3	15	6	1	6	3	1	20	5	2	6	4	2	13	5	1	24	7	3	28	7	2	33	5	2	7	4
4	1	19	4	1	19	5	1	8	4	2	18	5	2	25	5	3	35	12	4	14	8	2	30	6	3	31	7
5	2	10	5	1	5	2	1	22	5	1	5	3	1	17	3	2	9	5	3	25	8	2	33	6	2	27	6
6	1	22	5	4	22	6	1	26	5	1	20	6	3	10	5	3	28	9	3	29	9	2	30	5	2	7	4
7	2	14	6	2	25	6	2	13	6	1	23	5	2	20	7	4	31	11	3	27	10	4	24	10	7	36	11
8	2	24	6	1	21	5	2	24	5	1	10	4	1	21	5	8	45	17	5	29	11	3	36	9	6	42	14
9	1	19	3	1	21	2	1	21	2	1	19	2	1	14	2	2	44	6	3	26	7	3	36	13	3	45	11
10	1	21	4	1	3	1	1	22	3	1	17	3	1	18	2	2	32	7	4	28	9	2	33	6	4	30	9
11	2	5	3	1	24	2	1	19	2	1	18	2	1	7	2	1	45	7	3	30	9	2	33	6	2	41	10
12	--	--	--	1	21	2	1	21	2	1	21	1	1	17	2	1	42	8	2	28	6	1	30	3	1	25	5
13	--	--	--	1	17	1	1	19	1	1	2	1	1	14	1	1	35	4	2	27	4	1	32	2	1	25	2
14	--	--	--	1	19	1	1	15	1	1	19	1	1	15	1	1	38	4	2	25	5	1	26	2	1	26	3
15	--	--	--	1	19	1	1	16	1	1	21	1	1	16	1	1	29	5	2	27	5	1	36	4	1	30	5
16	--	--	--	1	3	1	1	15	2	1	2	1	1	14	1	1	35	5	2	28	5	1	25	3	1	26	5
17	--	--	--	1	19	2	1	24	2	1	16	2	1	23	2	1	22	6	2	24	6	1	27	4	1	27	4
18	--	--	--	1	23	3	1	6	3	1	19	3	1	36	3	3	27	9	3	28	7	2	8	4	2	24	5
19	--	--	--	1	25	2	1	20	4	1	20	2	1	15	3	4	34	11	3	28	7	1	32	4	2	31	9
20	--	--	--	1	7	3	1	18	4	1	6	3	1	22	4	3	25	6	4	30	7	1	32	4	1	27	4
21	--	--	--	1	20	3	1	18	3	1	17	3	1	23	3	2	27	5	2	26	6	1	26	4	1	7	3
22	--	--	--	1	20	2	1	21	3	1	18	2	1	41	3	1	23	5	3	9	6	2	31	5	2	24	5
23	--	--	--	1	6	2	1	7	3	1	6	3	1	16	3	3	23	7	3	38	7	1	30	4	2	26	5
24	--	--	--	1	19	2	1	15	2	1	16	2	1	16	2	1	26	3	2	27	5	1	30	4	1	24	3
25	--	--	--	1	19	1	1	16	1	1	14	1	1	5	1	1	12	2	2	27	4	1	25	2	1	27	2
26	--	--	--	1	15	1	1	16	1	1	10	1	1	12	1	1	22	3	1	27	4	1	31	2	1	27	2
27	--	--	--	1	3	1	1	16	2	1	18	2	1	15	2	2	45	8	2	25	6	1	8	3	1	42	3
28	--	--	--	1	20	1	1	16	1	1	17	1	1	16	2	1	20	2	2	26	5	1	30	3	1	23	2
Monthly Min/Max/Avg	1	24	5	1	25	3	1	27	3	1	23	3	1	41	3	1	45	7	1	44	7	1	36	5	1	45	6

NOTES: ' -- ' indicates filter offline

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

February 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	4	22	8	2	25	6	5	18	8	2	26	5	2	29	6	1	10	4	2	10	5	2	26	6	2	27	5
2	3	26	6	3	29	5	4	26	8	2	12	5	3	26	7	1	25	5	2	24	6	2	23	5	2	10	4
3	4	26	8	3	15	6	3	28	9	2	26	7	2	31	7	1	29	6	1	23	6	2	9	4	3	32	6
4	5	44	15	3	43	7	5	27	9	2	26	6	3	11	6	2	14	5	3	14	6	2	25	6	3	23	6
5	3	15	6	2	28	5	3	28	7	2	10	5	4	26	7	3	22	6	3	22	7	1	25	4	2	11	4
6	5	25	9	2	12	4	7	19	11	2	24	8	2	30	7	1	24	7	2	29	5	3	15	5	4	23	6
7	11	40	18	4	30	10	8	37	17	3	31	9	3	18	9	3	24	7	4	19	9	3	25	8	4	28	8
8	6	45	15	4	31	9	13	44	24	6	42	11	5	46	12	3	22	8	5	44	13	4	45	11	5	42	12
9	3	45	11	1	29	5	6	32	16	3	41	8	2	15	5	1	36	8	2	39	6	1	45	5	2	38	6
10	4	45	12	2	25	6	4	45	15	3	35	8	3	32	8	1	22	5	3	29	8	3	35	8	3	45	8
11	2	26	11	2	28	7	2	44	13	1	25	5	2	34	9	1	14	4	2	41	9	2	30	8	1	38	8
12	1	45	8	2	14	2	2	28	6	1	17	4	1	13	4	1	11	2	2	45	7	2	31	6	1	39	5
13	1	31	3	--	--	--	1	26	6	1	15	2	1	7	2	1	11	1	1	33	4	1	11	1	1	18	2
14	2	41	11	--	--	--	2	38	8	1	20	4	1	14	3	1	19	2	1	37	4	1	19	3	1	43	4
15	1	27	5	--	--	--	2	33	10	1	45	5	1	17	2	1	25	3	1	25	5	1	34	3	1	19	4
16	1	26	5	--	--	--	2	25	6	1	17	3	1	17	3	1	44	2	1	19	3	1	13	3	1	18	2
17	2	44	6	--	--	--	2	25	6	1	21	4	1	43	4	1	9	2	1	21	4	1	15	3	1	25	4
18	4	30	8	--	--	--	5	24	11	1	21	4	1	35	5	1	23	4	3	27	7	1	18	4	3	35	6
19	2	31	6	--	--	--	3	35	10	2	24	6	2	23	5	1	19	6	2	15	4	1	23	5	2	30	7
20	3	29	8	--	--	--	3	24	6	1	18	3	1	16	5	1	14	3	1	42	4	1	18	4	1	22	3
21	1	27	4	--	--	--	2	25	5	1	12	3	2	18	5	1	12	3	2	19	4	1	17	3	1	12	3
22	3	29	7	--	--	--	4	42	9	2	12	4	2	35	6	1	15	4	1	21	5	1	12	3	1	22	4
23	3	35	10	--	--	--	3	24	10	2	16	4	2	25	6	1	28	4	2	21	5	1	25	4	2	24	5
24	1	28	6	--	--	--	2	25	6	1	15	3	2	22	4	1	20	3	1	23	3	1	21	3	1	22	3
25	1	26	3	1	23	3	1	26	3	1	14	2	1	17	2	1	19	2	1	22	2	1	21	2	1	19	2
26	1	41	6	1	24	2	1	22	4	1	11	2	1	3	1	1	35	1	1	16	2	1	23	2	1	21	3
27	1	26	3	1	7	2	2	45	7	1	24	2	2	45	6	1	8	2	1	31	6	1	20	2	1	44	4
28	1	26	2	--	--	--	1	20	2	1	11	2	1	15	3	1	13	2	1	16	2	1	16	1	1	15	2
Monthly Min/Max/Avg	1	45	8	1	43	5	1	45	9	1	45	5	1	46	5	1	44	4	1	45	5	1	45	4	1	45	5

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

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

NOTES: ' -- ' indicates filter offline

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

February 2025

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

NOTES: ' -- ' indicates filter offline

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

February 2025

Filter	10			11			12			13			14			15			16			17			18		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	0.02	0.03	0.03	0.01	0.05	0.01	0.01	0.02	0.01	0.03	0.06	0.03	0.03	0.08	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.04	0.02	0.06	0.03
2	0.02	0.06	0.03	0.01	0.05	0.00	0.01	0.04	0.01	0.03	0.04	0.03	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.07	0.04	0.04	0.08	0.04	0.02	0.03	0.03
3	0.02	0.06	0.03	0.01	0.03	0.00	0.00	0.04	0.01	0.03	0.06	0.04	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.07	0.04	0.04	0.04	0.04	0.03	0.05	0.03
4	0.03	0.06	0.03	0.01	0.05	0.01	0.01	0.04	0.01	0.03	0.06	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.04	0.02	0.06	0.03
5	0.02	0.04	0.03	0.01	0.05	0.01	0.00	0.04	0.01	0.03	0.04	0.03	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.07	0.04	0.03	0.08	0.04	0.02	0.03	0.03
6	0.03	0.06	0.03	0.01	0.00	0.01	0.01	0.03	0.01	0.03	0.06	0.04	0.03	0.07	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.04	0.05	0.04	0.03	0.06	0.03
7	0.03	0.08	0.04	0.01	0.07	0.01	0.01	0.05	0.02	0.03	0.07	0.04	0.04	0.05	0.04	0.04	0.09	0.04	0.04	0.05	0.04	0.04	0.09	0.05	0.03	0.07	0.03
8	0.03	0.09	0.05	0.00	0.07	0.01	0.02	0.06	0.03	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.08	0.05	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.07	0.03
9	0.03	0.08	0.04	0.01	0.07	0.02	0.01	0.07	0.03	0.03	0.08	0.04	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.08	0.03
10	0.03	0.09	0.05	0.01	0.06	0.01	0.01	0.06	0.02	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.08	0.05	0.04	0.09	0.05	0.04	0.09	0.05	0.03	0.08	0.04
11	0.03	0.08	0.04	0.01	0.08	0.01	0.01	0.07	0.03	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.09	0.05	0.04	0.08	0.05	0.04	0.09	0.05	0.03	0.08	0.03
12	0.03	0.09	0.05	0.01	0.01	0.00	0.01	0.07	0.02	0.03	0.07	0.03	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.03	0.08	0.03
13	0.02	0.07	0.03	--	--	--	0.01	0.06	0.02	0.03	0.08	0.03	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.03	0.07	0.03
14	0.03	0.09	0.04	--	--	--	0.01	0.05	0.02	0.02	0.07	0.03	0.03	0.08	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.03	0.07	0.03
15	0.03	0.08	0.04	--	--	--	0.01	0.06	0.02	0.02	0.08	0.04	0.03	0.08	0.04	0.04	0.05	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.03	0.07	0.03
16	0.03	0.09	0.04	--	--	--	0.01	0.06	0.02	0.03	0.08	0.03	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.05	0.04	0.09	0.04	0.03	0.07	0.03
17	0.03	0.08	0.04	--	--	--	0.01	0.06	0.02	0.03	0.07	0.04	0.03	0.08	0.04	0.04	0.05	0.04	0.04	0.09	0.04	0.04	0.08	0.04	0.03	0.07	0.03
18	0.03	0.09	0.05	--	--	--	0.01	0.06	0.02	0.03	0.08	0.04	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.05	0.04	0.08	0.04	0.03	0.07	0.03
19	0.03	0.08	0.04	--	--	--	0.01	0.07	0.02	0.04	0.09	0.05	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.05	0.04	0.08	0.04	0.03	0.07	0.03
20	0.03	0.08	0.04	--	--	--	0.01	0.07	0.02	0.04	0.09	0.05	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.06	0.04	0.04	0.09	0.05	0.03	0.07	0.03
21	0.02	0.07	0.03	--	--	--	0.01	0.06	0.01	0.04	0.09	0.05	0.03	0.08	0.04	0.04	0.05	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.03	0.05	0.03
22	0.03	0.07	0.04	--	--	--	0.01	0.05	0.01	0.04	0.06	0.05	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.04	0.04	0.04	0.03	0.07	0.03
23	0.03	0.07	0.04	--	--	--	0.01	0.05	0.01	0.04	0.08	0.05	0.03	0.08	0.04	0.04	0.08	0.05	0.04	0.08	0.04	0.04	0.08	0.04	0.03	0.06	0.03
24	0.03	0.06	0.03	--	--	--	0.01	0.05	0.01	0.04	0.08	0.05	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.04	0.08	0.04	0.03	0.06	0.03
25	0.02	0.06	0.03	0.01	0.06	0.01	0.00	0.05	0.01	0.04	0.08	0.05	0.03	0.07	0.04	0.04	0.08	0.04	0.04	0.07	0.04	0.03	0.08	0.04	0.03	0.06	0.03
26	0.02	0.06	0.03	0.01	0.04	0.00	0.00	0.04	0.01	0.04	0.08	0.05	0.03	0.04	0.03	0.04	0.08	0.04	0.04	0.05	0.04	0.03	0.08	0.04	0.02	0.05	0.03
27	0.02	0.05	0.02	0.01	0.04	0.00	0.00	0.04	0.01	0.04	0.07	0.04	0.03	0.07	0.04	0.04	0.04	0.04	0.04	0.07	0.04	0.03	0.08	0.04	0.03	0.05	0.03
28	0.02	0.06	0.02	--	--	--	0.00	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
Monthly Min/Max/Avg	0.02	0.09	0.04	0.01	0.08	0.01	0.00	0.07	0.02	0.02	0.09	0.04	0.03	0.09	0.04	0.04	0.09	0.04	0.04	0.09	0.04	0.03	0.09	0.04	0.02	0.08	0.03

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

February 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	--	--	--	--	--	--	36.9	48.4	41.4	18.3	24.8	21.5	35.1	40.6	37.2	21.4	26.2	9.6	95.1	96.0	95.7
2	35.3	47.8	39.6	19.3	27.4	22.2	48.0	49.9	48.9	17.8	18.5	0.9	35.1	46.8	40.7	18.5	25.5	21.3	95.6	96.2	95.8
3	41.0	53.8	46.3	16.9	23.4	20.1	37.7	39.6	38.1	24.3	25.2	0.7	42.4	56.0	51.1	15.2	21.2	17.0	95.8	96.2	96.0
4	53.6	61.0	56.1	12.4	16.9	6.7	35.2	39.7	37.4	22.9	27.5	25.4	55.6	64.0	53.0	12.7	15.4	0.9	95.9	96.8	96.2
5	38.0	51.7	40.8	18.5	23.1	3.7	39.2	48.0	44.3	10.9	23.0	16.5	35.0	42.2	37.0	20.7	26.0	20.1	95.4	96.0	95.9
6	38.1	44.9	41.1	20.0	23.4	21.9	--	--	--	--	--	--	38.6	57.8	45.5	13.6	21.2	16.7	95.4	96.1	95.9
7	40.2	41.9	41.6	16.5	21.7	15.5	34.8	36.0	35.6	24.0	24.8	4.7	--	--	--	--	--	--	93.6	95.9	95.1
8	--	--	--	--	--	--	34.9	36.0	35.6	21.0	24.2	23.0	34.9	36.2	35.5	20.1	22.6	11.1	92.7	93.7	93.3
9	35.2	36.0	35.6	19.5	27.2	1.9	35.1	36.2	35.7	15.1	21.7	18.6	34.8	36.3	35.5	16.8	23.6	20.8	90.9	93.2	92.6
10	35.0	36.0	35.6	22.0	26.6	24.4	--	--	--	--	--	--	35.0	38.9	36.0	14.1	17.1	8.6	92.2	93.2	92.6
11	35.0	39.5	35.9	14.4	22.2	18.4	35.1	35.9	35.6	24.1	28.6	9.3	35.3	35.9	35.7	17.6	18.0	0.1	92.7	93.2	93.0
12	35.1	49.0	36.5	13.3	27.4	11.2	35.0	36.4	35.6	19.3	26.9	22.9	34.6	36.5	35.6	17.8	26.0	22.3	91.3	93.4	92.9
13	35.1	36.1	35.6	19.5	23.7	21.5	35.2	39.2	36.2	15.8	19.5	10.9	35.0	40.3	36.3	15.5	20.6	15.0	91.3	94.2	93.2
14	35.9	45.3	38.9	15.3	20.2	13.4	35.1	36.4	35.6	21.6	28.4	13.0	34.5	38.8	36.4	17.0	22.3	5.7	93.6	94.5	94.2
15	35.1	40.1	36.5	18.7	27.0	10.5	35.4	36.3	35.7	18.4	26.2	22.2	34.7	36.5	35.7	18.6	24.6	21.8	94.4	94.8	94.5
16	35.0	36.0	35.6	19.6	27.1	23.7	34.9	42.6	37.3	13.9	19.5	15.7	35.1	43.3	36.0	12.9	20.1	11.4	93.5	94.5	93.7
17	35.3	53.5	41.0	11.6	19.6	10.8	35.4	35.9	35.6	20.1	26.6	0.7	33.9	37.9	35.6	17.1	29.4	9.4	93.2	93.9	93.6
18	35.0	37.8	35.6	18.6	27.4	22.7	35.0	36.1	35.6	20.5	27.8	24.1	34.5	36.3	35.6	16.2	25.9	20.6	92.9	93.6	93.3
19	35.0	37.3	35.6	17.0	22.3	11.4	34.9	41.6	35.7	13.7	28.7	9.3	34.9	41.7	35.7	14.4	21.2	8.7	92.9	93.3	93.1
20	--	--	--	--	--	--	35.0	36.0	35.6	22.0	27.0	24.0	34.7	36.2	35.5	20.8	29.0	24.0	92.8	93.5	93.1
21	34.9	36.1	35.6	18.8	30.3	24.6	35.3	42.8	38.1	10.1	24.4	15.9	34.9	37.0	35.6	16.2	22.0	19.0	92.9	93.6	93.2
22	34.8	36.1	35.6	17.9	24.6	21.0	35.1	36.5	35.7	23.2	26.9	24.2	--	--	--	--	--	--	93.2	93.9	93.6
23	35.4	37.7	35.7	16.2	18.2	0.8	35.3	41.8	36.9	18.2	23.5	20.7	--	--	--	--	--	--	92.4	93.4	92.8
24	34.9	36.0	35.6	20.8	29.0	24.7	39.9	47.0	42.0	15.7	18.2	6.7	34.8	38.1	35.6	17.5	25.5	13.0	92.3	93.6	93.2
25	35.1	49.6	36.2	10.2	21.8	14.4	35.6	45.8	38.9	20.0	27.8	7.8	34.9	38.9	35.9	18.1	23.2	21.0	93.5	95.0	94.2
26	34.0	36.1	35.6	22.7	27.1	15.8	37.3	53.0	44.2	20.1	27.5	23.7	38.0	42.1	40.0	16.3	19.0	2.6	93.9	95.5	95.0
27	35.1	46.5	37.7	19.6	25.4	22.6	48.4	80.0	57.0	15.9	20.2	16.3	34.9	35.6	36.4	21.3	27.9	17.7	94.6	96.1	95.1
28	39.7	51.0	47.1	11.0	23.1	9.3	49.8	60.1	55.7	15.2	20.5	9.2	35.6	49.0	42.7	12.6	24.0	14.0	94.9	96.1	95.4
Monthly Total						393.3						388.0						352.3			
Monthly Min/Max/ Avg	34.0	61.0	38.7	10.2	30.3		34.8	80.0	39.4	10.1	28.7		33.9	64.0	38.2	12.6	29.4		90.9	96.8	94.2

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

February 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	41.0	50.0	44.7	19.8	23.9	21.7	--	--	--	--	--	--	50.2	59.2	51.5	15.6	18.7	3.6	95.1	96.0	95.7
2	48.8	59.9	54.3	15.9	19.9	9.5	44.1	54.5	48.3	18.4	22.9	9.7	--	--	--	--	--	--	95.6	96.2	95.8
3	--	--	--	--	--	--	43.9	54.9	47.9	18.4	24.0	21.5	35.4	46.5	37.9	20.9	29.7	26.5	95.8	96.2	96.0
4	39.6	51.6	46.0	21.2	25.2	13.8	54.5	70.0	62.3	10.6	18.4	10.8	41.3	53.8	48.0	17.6	24.0	20.5	95.9	96.8	96.2
5	40.8	53.9	47.5	17.4	24.4	20.8	--	--	--	--	--	--	53.1	60.5	55.7	15.6	17.6	3.3	95.4	96.0	95.9
6	44.8	57.0	51.6	16.9	22.2	4.9	39.6	47.3	43.9	20.7	23.8	18.4	35.7	39.7	38.6	24.4	26.2	10.6	95.4	96.1	95.9
7	35.0	45.8	37.8	20.7	25.7	22.7	44.0	49.8	46.2	15.1	21.5	18.2	34.3	39.8	36.3	20.3	27.7	23.7	93.6	95.9	95.1
8	35.2	41.0	37.7	15.0	20.8	16.2	44.5	47.8	45.6	14.4	15.1	0.5	35.4	40.6	37.0	15.4	20.5	9.7	92.7	93.7	93.3
9	--	--	--	--	--	--	34.7	36.1	35.6	22.7	26.4	13.4	--	--	--	--	--	--	90.9	93.2	92.6
10	35.1	36.3	35.6	21.4	25.8	11.6	34.9	38.6	36.0	17.4	22.8	19.6	35.0	36.0	35.6	20.7	25.7	21.3	92.2	93.2	92.6
11	35.2	39.8	35.7	15.7	24.7	20.9	38.3	55.9	41.2	10.4	17.4	7.5	35.2	36.3	35.7	17.7	25.7	21.1	92.7	93.2	93.0
12	39.1	54.3	42.4	10.8	15.7	3.6	35.1	35.9	35.6	21.6	22.6	7.3	35.5	47.9	42.8	12.6	17.7	8.5	91.3	93.4	92.9
13	35.1	41.3	37.7	17.4	25.2	8.3	34.3	42.5	36.8	17.7	22.8	20.5	35.4	39.4	35.7	16.0	29.6	24.2	91.3	94.2	93.2
14	35.0	39.8	36.6	19.4	24.6	21.8	41.8	51.3	45.3	11.1	17.9	9.0	35.4	43.8	38.7	17.9	23.6	20.4	93.6	94.5	94.2
15	38.8	59.3	44.2	11.9	19.7	12.1	35.1	36.0	35.6	23.4	26.4	1.4	43.2	46.2	44.6	16.8	17.9	0.8	94.4	94.8	94.5
16	34.4	36.2	35.6	22.4	30.2	9.2	34.7	36.8	35.6	19.1	27.9	24.3	35.2	35.9	35.6	21.4	33.9	19.5	93.5	94.5	93.7
17	34.9	43.1	35.9	14.7	26.7	22.8	36.1	51.2	43.2	13.0	19.2	16.1	35.4	39.8	36.3	17.0	27.1	22.2	93.2	93.9	93.6
18	33.1	46.0	44.1	13.6	15.5	1.4	35.1	35.7	36.4	22.6	25.0	13.5	35.4	35.8	36.0	15.1	28.2	17.4	92.9	93.6	93.3
19	34.8	38.4	35.7	17.3	26.3	21.2	35.1	41.1	36.5	16.0	23.4	20.0	35.4	37.8	35.7	17.4	26.1	22.2	92.9	93.3	93.1
20	34.8	37.4	35.8	16.8	21.0	18.1	35.0	41.8	35.8	15.4	25.6	19.3	37.3	49.5	45.6	12.5	17.4	3.2	92.8	93.5	93.1
21	34.9	40.6	36.8	15.0	26.4	8.5	34.9	43.1	37.2	16.1	23.0	19.5	34.7	35.9	35.6	21.1	30.1	11.2	92.9	93.6	93.2
22	34.8	36.6	35.7	20.1	25.2	22.5	42.4	46.2	44.5	14.9	16.4	1.3	34.7	36.1	35.7	21.0	28.2	24.5	93.2	93.9	93.6
23	34.7	40.0	36.5	15.9	20.3	17.8	34.6	36.0	35.6	21.4	26.0	22.5	35.3	56.7	35.9	10.6	21.1	9.9	92.4	93.4	92.8
24	35.1	47.0	36.1	11.3	26.4	7.2	35.2	41.0	38.0	14.7	21.6	13.1	35.4	35.9	35.7	21.0	29.9	11.6	92.3	93.6	93.2
25	35.1	42.8	37.1	18.9	24.7	21.9	34.3	37.4	35.9	22.8	26.2	14.3	34.6	42.2	36.8	19.9	26.5	23.0	93.5	95.0	94.2
26	40.0	46.5	42.7	16.9	19.2	7.3	36.9	53.8	44.2	16.3	23.5	19.4	41.7	55.3	46.1	15.7	20.1	12.1	93.9	95.5	95.0
27	35.3	42.6	37.0	21.4	28.5	14.6	51.1	61.7	55.4	12.9	16.5	8.2	40.3	48.9	47.0	20.8	24.9	2.6	94.6	96.1	95.1
28	41.2	57.0	49.2	16.9	22.2	14.4	37.0	54.9	42.6	17.7	22.8	6.7	35.2	49.3	43.1	12.5	25.6	19.7	94.9	96.1	95.4
Monthly Total						374.9						356.0						393.2			
Monthly Min/Max/ Avg	33.1	59.9	40.4	10.8	30.2		34.3	70.0	41.6	10.4	27.9		34.3	60.5	40.1	10.6	33.9		90.9	96.8	94.2

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

February 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	35.2	40.9	38.0	18.7	23.0	13.0	35.9	48.2	40.2	19.6	25.2	19.0	36.8	46.8	40.1	20.6	26.7	24.0	95.1	96.0	95.7
2	--	--	--	--	--	--	36.6	47.4	42.3	20.5	26.0	22.7	37.6	50.1	44.0	19.6	26.3	22.2	95.6	96.2	95.8
3	34.9	36.1	35.7	24.7	29.6	14.9	45.5	53.5	49.9	15.5	21.7	9.1	46.6	48.7	47.5	20.9	21.9	0.7	95.8	96.2	96.0
4	34.8	37.9	35.7	21.6	27.7	24.7	--	--	--	--	--	--	38.2	47.9	43.1	20.9	25.8	8.3	95.9	96.8	96.2
5	35.8	46.5	39.1	16.2	22.0	13.3	35.2	46.5	36.1	20.8	30.5	10.4	38.5	44.0	40.6	22.5	25.5	24.2	95.4	96.0	95.9
6	--	--	--	--	--	--	35.2	44.0	39.3	21.6	27.5	24.7	38.4	48.6	43.4	19.7	24.5	13.9	95.4	96.1	95.9
7	35.2	37.6	35.6	20.1	29.2	14.6	40.3	59.4	42.0	12.4	22.1	11.1	--	--	--	--	--	--	93.6	95.9	95.1
8	35.1	36.0	35.6	21.0	28.1	24.4	35.2	36.8	35.6	20.5	25.9	2.1	35.0	36.2	35.6	23.9	27.8	25.4	92.7	93.7	93.3
9	35.0	41.2	35.6	11.9	21.1	10.4	35.0	36.1	35.6	22.6	27.0	24.7	35.0	36.1	35.6	18.7	25.2	22.5	90.9	93.2	92.6
10	35.3	35.8	35.6	25.8	27.9	0.3	35.0	37.9	35.6	17.2	24.3	21.3	35.3	36.4	35.8	17.7	18.9	2.4	92.2	93.2	92.6
11	35.2	36.0	35.6	24.4	30.6	27.2	--	--	--	--	--	--	35.0	36.1	35.6	24.4	26.5	14.2	92.7	93.2	93.0
12	35.5	36.2	35.6	17.3	24.5	13.5	35.1	36.3	35.6	20.4	29.7	19.0	35.0	36.2	35.6	21.2	24.8	22.8	91.3	93.4	92.9
13	34.5	36.0	35.6	19.7	28.5	7.0	35.1	37.1	35.7	20.4	24.8	22.3	35.1	40.9	35.7	16.4	22.4	3.7	91.3	94.2	93.2
14	33.3	36.1	35.6	20.7	28.5	25.2	36.5	42.9	38.2	17.6	20.7	6.3	35.1	36.3	35.6	21.3	30.0	21.4	93.6	94.5	94.2
15	35.0	36.2	35.7	16.7	23.2	19.8	35.1	40.2	35.6	20.2	29.7	25.9	35.1	38.6	36.0	19.5	27.2	23.4	94.4	94.8	94.5
16	35.2	36.7	35.6	16.2	28.7	1.9	35.1	39.7	35.8	17.1	26.8	23.3	35.6	38.8	37.0	19.3	20.8	6.9	93.5	94.5	93.7
17	35.0	36.0	35.6	25.1	30.1	27.6	39.1	78.4	43.2	14.7	17.3	2.2	34.8	37.5	35.6	20.7	30.2	23.7	93.2	93.9	93.6
18	35.2	36.0	35.6	19.2	25.2	5.3	34.2	36.4	35.6	20.7	31.5	18.9	35.1	36.7	35.6	19.2	27.8	10.7	92.9	93.6	93.3
19	35.2	36.0	35.6	19.6	32.3	12.8	35.1	36.7	35.6	19.3	27.8	24.1	35.1	36.1	35.4	20.5	25.2	6.3	92.9	93.3	93.1
20	35.2	36.0	35.6	22.5	30.4	24.9	35.2	43.0	37.9	14.5	20.6	7.9	35.0	35.9	35.6	20.1	28.8	14.9	92.8	93.5	93.1
21	35.2	36.0	35.6	19.4	22.8	13.2	--	--	--	--	--	--	35.1	36.3	35.6	22.2	27.8	25.1	92.9	93.6	93.2
22	35.2	36.0	35.6	20.1	24.8	9.1	35.2	36.4	35.6	19.9	28.5	20.9	35.1	40.5	36.2	17.4	22.6	12.7	93.2	93.9	93.6
23	35.1	36.0	35.6	22.9	27.0	24.5	35.2	36.1	35.6	21.4	27.3	23.7	33.9	36.2	35.6	21.2	32.2	14.9	92.4	93.4	92.8
24	34.7	45.9	35.6	13.2	24.8	20.7	35.1	48.9	35.8	12.9	22.1	13.4	35.1	37.2	35.7	19.7	31.4	25.5	92.3	93.6	93.2
25	--	--	--	--	--	--	35.1	37.9	35.6	20.0	29.7	24.9	35.3	42.7	36.7	17.4	21.4	8.8	93.5	95.0	94.2
26	35.1	36.8	35.6	20.4	28.9	24.8	35.3	47.1	39.7	18.7	25.4	21.7	35.0	42.9	37.9	20.9	29.7	8.5	93.9	95.5	95.0
27	34.7	39.4	36.0	18.9	27.4	23.4	44.7	47.5	46.4	17.3	19.0	2.7	34.8	42.6	36.4	23.9	31.8	28.5	94.6	96.1	95.1
28	34.8	40.8	38.1	18.4	20.8	17.4	35.6	48.0	40.9	21.2	25.2	13.9	41.4	50.8	46.9	20.3	24.5	16.6	94.9	96.1	95.4
Monthly Total						413.8						416.1						432.0			
Monthly Min/Max/ Avg	33.3	46.5	36.0	11.9	32.3		34.2	78.4	38.4	12.4	31.5		33.9	50.8	37.9	16.4	32.2		90.9	96.8	94.2

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

February 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	64.8	77.0	69.7	77.1	100.4	89.1	50.1	92.2	77.0	74.5	97.6	86.3	50.8	56.9	54.2	83.8	104.3	95.1	--	--	--	--	--	--	95.8	95.9	95.9
2	68.8	75.4	72.1	79.7	95.3	88.1	49.5	55.9	52.3	76.8	92.0	85.1	53.8	59.1	56.6	85.3	101.1	94.1	--	--	--	--	--	--	95.8	96.2	96.1
3	66.4	74.0	70.5	78.4	96.4	87.8	48.3	55.9	51.2	75.4	93.0	85.0	52.2	59.6	55.3	83.0	100.9	93.8	--	--	--	--	--	--	95.8	96.2	96.0
4	66.0	74.7	70.2	78.2	93.7	87.0	48.1	53.2	50.2	75.9	90.9	84.3	52.2	58.2	55.1	83.8	98.6	92.8	--	--	--	--	--	--	95.8	96.0	95.9
5	67.7	75.1	70.5	78.8	93.3	87.5	49.0	52.0	50.3	75.5	91.4	84.7	53.3	57.5	54.7	85.5	98.8	93.4	--	--	--	--	--	--	95.7	95.9	95.8
6	61.3	71.2	67.9	77.0	94.2	87.8	44.6	87.0	52.2	74.8	91.7	85.2	47.9	57.6	54.1	84.1	99.7	93.7	--	--	--	--	--	--	95.6	95.9	95.8
7	46.5	71.5	53.7	79.1	95.3	87.3	56.8	80.0	67.8	76.5	91.6	84.4	47.0	79.6	66.6	85.7	99.5	93.2	--	--	--	--	--	--	93.7	95.6	94.3
8	67.9	74.8	70.5	69.3	94.5	86.3	54.4	64.8	56.4	66.5	92.7	83.6	57.1	67.3	59.9	74.4	100.3	92.2	--	--	--	--	--	--	92.9	95.2	93.3
9	48.1	74.9	68.9	67.8	100.2	87.7	54.0	66.4	58.8	66.9	97.4	85.0	56.9	67.0	60.8	74.3	104.7	93.7	--	--	--	--	--	--	92.8	95.2	93.1
10	68.5	76.4	72.1	82.3	105.4	92.8	54.1	64.0	59.6	79.7	102.5	89.8	53.4	64.9	61.1	89.2	113.3	99.2	--	--	--	--	--	--	93.2	93.5	93.4
11	49.9	116.4	55.6	68.1	106.7	71.7	54.2	113.6	46.7	67.5	103.8	69.4	55.8	117.4	49.9	73.2	112.3	76.7	--	--	--	--	--	--	93.2	93.5	93.4
12	49.0	80.1	65.2	70.0	100.1	88.7	58.0	75.9	64.0	66.5	97.3	85.9	63.8	81.7	70.1	75.5	106.7	95.0	--	--	--	--	--	--	93.5	94.0	93.8
13	52.3	59.7	56.7	77.9	94.2	87.2	67.1	79.1	72.7	75.3	92.7	84.8	73.8	84.7	79.2	83.1	100.0	93.8	--	--	--	--	--	--	93.4	95.0	94.2
14	54.2	68.0	57.5	61.9	92.3	85.7	51.0	106.5	76.5	59.8	92.0	83.3	52.6	113.4	80.3	67.2	99.3	92.1	--	--	--	--	--	--	94.8	95.0	94.8
15	47.3	56.5	53.0	74.8	96.0	85.6	62.2	77.1	70.9	71.0	94.9	83.3	64.7	79.1	72.9	79.7	102.9	92.0	--	--	--	--	--	--	94.2	95.0	94.7
16	46.0	52.4	49.0	76.4	92.6	85.2	60.7	72.4	65.6	73.9	91.1	82.7	63.6	72.2	67.2	79.9	99.3	91.6	--	--	--	--	--	--	93.8	94.5	94.1
17	46.0	54.8	50.4	72.9	90.0	82.4	63.4	74.9	67.0	71.0	88.2	80.0	63.1	74.8	68.5	79.9	96.3	88.6	--	--	--	--	--	--	93.6	94.2	94.0
18	44.9	78.1	64.8	71.7	88.5	81.1	58.5	66.7	62.6	70.1	85.8	78.5	59.7	68.5	63.6	77.9	93.5	86.8	--	--	--	--	--	--	93.4	93.6	93.5
19	69.9	115.2	73.6	73.0	89.0	79.8	58.2	66.8	61.8	69.5	135.6	78.6	59.7	69.7	62.4	77.4	138.0	86.7	--	--	--	--	--	--	93.2	93.5	93.3
20	68.5	75.6	71.1	73.5	88.2	81.5	59.0	67.9	61.9	70.5	86.3	78.9	59.1	67.4	62.3	78.5	92.8	87.2	--	--	--	--	--	--	93.0	93.2	93.1
21	45.9	77.4	56.4	72.6	86.9	81.1	62.9	73.3	68.0	70.3	85.3	78.5	62.2	74.6	68.3	78.6	91.9	86.8	--	--	--	--	--	--	93.0	93.8	93.7
22	45.6	77.8	67.7	71.9	88.0	81.5	62.7	68.7	64.9	68.7	85.3	78.8	63.6	68.8	65.5	76.9	91.7	87.0	--	--	--	--	--	--	93.3	93.9	93.6
23	71.1	78.8	74.1	73.2	88.6	81.7	62.5	72.8	67.3	70.7	85.4	78.9	63.7	72.3	68.0	78.8	93.5	86.9	--	--	--	--	--	--	93.5	93.8	93.6
24	52.6	82.3	77.4	72.8	93.8	84.5	66.9	77.9	72.3	71.3	91.4	81.7	68.8	77.6	72.8	78.8	100.0	90.3	--	--	--	--	--	--	93.7	94.7	94.2
25	53.1	59.0	55.8	79.3	100.6	90.8	72.6	83.5	79.3	77.4	97.7	88.0	74.1	84.8	79.5	85.0	106.2	97.3	--	--	--	--	--	--	94.6	95.7	95.0
26	55.6	70.2	61.5	77.0	102.7	90.8	46.6	93.0	68.9	75.2	99.6	87.8	47.3	92.9	69.3	84.8	106.8	96.9	--	--	--	--	--	--	95.5	96.0	95.7
27	56.0	72.2	62.6	76.3	94.6	86.6	45.5	86.7	66.2	75.2	92.8	83.8	44.8	94.7	59.9	83.3	99.0	92.5	--	--	--	--	--	--	95.4	96.1	95.7
28	66.0	77.7	71.1	70.1	94.3	85.1	51.6	60.4	55.3	67.9	91.4	82.1	52.7	60.9	55.9	75.2	99.1	90.7	--	--	--	--	--	--	96.1	96.2	96.2
Monthly Total						2,392.2						2,318.2						2,560.1						0.0			
Monthly Min/Max/ Avg	44.9	116.4	64.6	61.9	106.7		44.6	113.6	63.1	59.8	135.6		44.8	117.4	64.1	67.2	138.0		--	--	--	--	--		92.8	96.2	94.5

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

February 2025

Day	Rossdale									E.L. Smith								
	Log Removal									Log Removal								
	Giardia			Virus			*Cryptosporidium*			*Giardia*			Virus			*Cryptosporidium*		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	7.3	7.5	7.4	13	15	14	6.5	6.5	6.5	6.7	6.7	6.7	6.2	8.4	7.5	6.5	6.5	6.5
2	7.4	8.4	7.7	13	15	14	6.5	6.5	6.5	6.7	6.7	6.7	6.6	8.5	7.6	6.5	6.5	6.5
3	7.8	8.1	7.9	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.2	8.1	7.4	6.5	6.5	6.5
4	7.8	8.4	8.1	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.1	8.2	7.3	6.5	6.5	6.5
5	7.8	8.2	8.0	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.3	7.9	7.2	6.5	6.5	6.5
6	7.9	8.0	8.0	14	15	14	6.5	6.5	6.5	6.7	6.7	6.7	5.9	7.6	6.9	6.5	6.5	6.5
7	8.0	8.4	8.1	13	15	14	6.5	6.5	6.5	6.6	6.7	6.7	5.8	7.6	6.9	6.5	6.5	6.5
8	7.9	8.3	8.0	13	14	14	6.5	6.5	6.5	6.7	6.7	6.7	6.5	8.2	7.4	6.5	6.5	6.5
9	7.5	8.1	8.0	12	15	13	6.5	6.5	6.5	6.7	6.7	6.7	6.7	8.3	7.6	6.5	6.5	6.5
10	7.5	8.5	8.1	12	13	13	6.5	6.5	6.5	6.6	6.7	6.7	5.9	8.0	7.2	6.5	6.5	6.5
11	7.6	8.5	8.0	11	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.8	8.2	7.5	6.5	6.5	6.5
12	7.6	8.2	7.7	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.8	8.5	7.6	6.5	6.5	6.5
13	7.7	8.3	7.9	13	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.2	8.3	7.6	6.5	6.5	6.5
14	7.7	7.8	7.8	12	15	13	6.5	6.5	6.5	6.7	6.7	6.7	5.8	8.3	7.4	6.5	6.5	6.5
15	7.4	8.3	7.7	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	5.9	8.1	7.2	6.5	6.5	6.5
16	7.7	8.0	7.8	12	13	12	6.5	6.5	6.5	6.7	6.7	6.7	6.4	7.6	7.1	6.5	6.5	6.5
17	7.6	8.2	7.7	12	13	12	6.5	6.5	6.5	6.7	6.7	6.7	6.3	7.9	7.0	6.5	6.5	6.5
18	7.7	8.1	7.8	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.0	8.4	7.2	6.5	6.5	6.5
19	7.6	8.4	7.9	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.7	8.6	7.9	6.5	6.5	6.5
20	7.5	8.0	7.7	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.7	8.6	7.7	6.5	6.5	6.5
21	7.6	8.0	7.7	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.6	8.4	7.5	6.5	6.5	6.5
22	7.7	7.8	7.8	13	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.4	8.5	7.8	6.5	6.5	6.5
23	7.5	7.9	7.8	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	7.0	8.3	7.8	6.5	6.5	6.5
24	7.5	7.9	7.7	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.9	8.5	7.9	6.5	6.5	6.5
25	7.5	7.8	7.7	12	14	13	6.5	6.5	6.5	6.7	6.7	6.7	6.9	7.8	7.4	6.5	6.5	6.5
26	7.7	8.1	7.8	12	13	13	6.5	6.5	6.5	6.7	6.7	6.7	6.1	7.4	6.9	6.5	6.5	6.5
27	7.7	8.4	8.0	12	14	13	6.5	7.0	6.7	6.7	7.2	7.0	6.6	8.4	7.7	6.5	7.0	6.8
28	8.3	8.8	8.5	14	17	16	7.0	7.0	7.0	7.1	7.2	7.1	5.7	8.0	6.9	7.0	7.0	7.0
Monthly Min/Max/Avg	7.3	8.8	7.9	11	17	13	6.5	7.0	6.5	6.6	7.2	6.7	5.7	8.6	7.4	6.5	7.0	6.5

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

February 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	4.99	--	5.06	1,183	--	1,183	3,174
2	5.00	--	5.06	1,184	--	1,184	3,135
3	4.99	--	5.06	1,184	--	1,184	3,135
4	4.99	--	5.06	1,182	--	1,182	3,119
5	5.01	--	5.06	1,188	--	1,188	3,107
6	4.99	--	5.06	1,182	--	1,182	3,149
7	5.01	--	5.71	1,187	--	1,187	3,565
8	5.91	--	7.13	1,402	--	1,402	4,424
9	6.01	--	7.12	1,426	--	1,426	4,562
10	6.00	--	6.74	1,422	--	1,422	4,436
11	5.98	--	6.89	1,506	--	1,506	3,630
12	6.00	--	6.46	1,663	--	1,663	4,092
13	5.99	--	6.47	1,689	--	1,689	4,016
14	6.01	--	6.40	1,733	--	1,733	3,969
15	6.00	--	6.53	1,729	--	1,729	3,969
16	6.00	--	6.06	1,732	--	1,732	3,664
17	6.37	--	6.06	1,839	--	1,839	3,559
18	6.34	--	6.06	1,828	--	1,828	3,502
19	5.52	--	5.63	1,591	--	1,591	3,247
20	4.99	--	5.06	1,438	--	1,438	2,930
21	5.00	--	5.06	1,443	--	1,443	2,921
22	5.00	--	5.06	1,433	--	1,433	2,928
23	5.00	--	5.06	1,429	--	1,429	2,931
24	4.99	--	5.06	1,435	--	1,435	3,040
25	5.01	--	5.06	1,446	--	1,446	3,225
26	5.00	--	5.28	1,444	--	1,444	3,364
27	14.0	--	13.2	4,048	--	4,048	8,183
28	27.6	--	19.7	7,248	--	7,248	11,994
Monthly Total				49,214	--	49,214	110,971
Monthly Avg	6.56	--	6.50	1,758	--	1,758	3,963

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

February 2025

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	0.10	--	--	12	0	12	--
2	0.10	--	--	12	0	12	--
3	0.10	--	--	12	0	12	--
4	0.10	--	--	12	0	12	--
5	0.10	--	--	12	0	12	--
6	0.10	--	--	12	0	12	--
7	0.10	--	--	12	0	12	--
8	0.10	--	--	12	0	12	--
9	0.10	--	--	12	0	12	--
10	0.10	--	--	12	0	12	--
11	0.10	--	--	12	0	12	--
12	0.10	--	--	13	0	13	--
13	0.10	--	--	14	0	14	--
14	0.10	--	--	14	0	14	--
15	0.10	--	--	14	0	14	--
16	0.10	--	--	14	0	14	--
17	0.10	--	--	14	0	14	--
18	0.10	--	--	14	0	14	--
19	0.10	--	--	14	0	14	--
20	0.10	--	--	14	0	14	--
21	0.10	--	--	14	0	14	--
22	0.10	--	--	14	0	14	--
23	0.10	--	--	14	0	14	--
24	0.10	--	--	14	0	14	--
25	0.10	--	--	14	0	14	--
26	0.10	--	--	14	0	14	--
27	0.25	--	0.09	35	0	35	26
28	0.36	--	0.18	45	0	45	54
Monthly Total				416	0	417	80
Monthly Avg	0.11	--	0.13	15	0	15	40

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

February 2025

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--
26	--	--	0.48	--	--	--	148
27	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--
Monthly Total				--	--	--	148
Monthly Avg	--	--	0.48	--	--	--	148

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

February 2025

Day	Rossdale					E.L. Smith	
	Dosage (mg/L)		Consumption (kg)			Dosage (mg/L)	Consumption (kg)
	Plant 1	Plant 2	Plant 1	Plant 2	Plant Total		
1	2.71	--	38,901	--	40,859	3.06	122,741
2	2.64	--	37,982	--	40,563	3.02	119,477
3	2.62	--	37,716	--	39,987	3.02	119,489
4	2.62	--	37,618	--	39,934	3.06	120,447
5	2.62	--	37,661	--	40,136	3.11	121,981
6	2.62	--	37,702	--	40,455	3.03	120,318
7	2.71	--	38,905	--	41,916	3.20	127,454
8	2.70	--	38,836	--	41,256	3.35	132,752
9	2.71	--	39,015	--	41,012	3.36	137,315
10	2.76	--	39,674	--	42,315	3.28	137,750
11	2.78	--	42,434	--	45,307	3.21	107,945
12	2.70	--	45,371	--	47,396	3.05	123,161
13	2.65	--	45,375	--	47,079	3.03	120,065
14	2.65	--	46,381	--	48,292	3.08	122,011
15	2.75	--	48,001	--	50,825	3.10	120,248
16	2.60	--	45,533	--	47,441	3.07	118,577
17	2.70	--	47,159	--	50,513	3.14	117,841
18	2.59	--	45,279	--	47,847	3.23	119,141
19	2.65	--	46,344	--	49,812	3.08	113,599
20	2.71	--	47,408	--	50,644	3.16	116,784
21	2.72	--	47,599	--	50,186	3.14	115,870
22	2.70	--	46,892	--	49,448	3.03	112,033
23	2.91	--	50,459	--	53,441	3.04	112,323
24	2.90	--	50,580	--	53,748	3.01	115,404
25	2.77	--	48,430	--	51,397	3.00	122,098
26	2.79	--	48,850	--	51,562	3.06	124,549
27	2.86	--	49,971	--	51,916	3.05	120,511
28	3.03	--	48,260	--	50,680	3.05	118,318
Monthly Total			1,234,337	--	1,305,967		3,380,200
Monthly Avg	2.72	--	44,083	--	46,642	3.11	120,721

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

February 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.29	0.30	33	91
2	0.29	0.30	32	90
3	0.29	0.27	32	81
4	0.29	0.28	32	83
5	0.29	0.30	33	89
6	0.29	0.30	32	91
7	0.29	0.46	32	139
8	0.29	0.55	33	165
9	0.29	0.74	33	228
10	0.29	0.64	32	203
11	0.29	0.73	34	186
12	0.29	0.70	38	214
13	0.30	0.74	40	221
14	0.31	0.64	42	194
15	0.31	0.77	43	226
16	0.31	0.72	42	212
17	0.31	0.68	41	194
18	0.36	0.69	49	194
19	0.39	0.70	52	196
20	0.39	0.67	53	187
21	0.39	0.60	53	168
22	0.39	0.54	53	151
23	0.39	0.50	52	141
24	0.39	0.49	53	142
25	0.39	0.50	53	154
26	0.36	0.46	49	143
27	0.30	0.26	41	78
28	0.30	0.10	36	29
Monthly Total			1,147	4,290
Monthly Avg	0.32	0.52	41	153

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

February 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.59	--	349	--
2	0.59	--	337	--
3	0.59	--	343	--
4	0.59	--	345	--
5	0.59	--	346	--
6	0.58	--	339	--
7	0.58	--	337	--
8	0.58	--	343	--
9	0.58	--	343	--
10	0.58	--	334	--
11	0.58	--	362	--
12	0.58	--	400	--
13	0.58	--	407	--
14	0.58	--	416	--
15	0.58	--	421	--
16	0.58	--	415	--
17	0.58	--	413	--
18	0.58	--	411	--
19	0.58	--	415	--
20	0.58	--	416	--
21	0.58	--	419	--
22	0.58	--	416	--
23	0.58	--	412	--
24	0.58	--	415	--
25	0.58	--	415	--
26	0.58	--	415	--
27	0.58	--	417	--
28	0.58	--	370	--
Monthly Total			10,772	--
Monthly Avg	0.58	--	385	--

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

February 2025

Day	Dosage (mg/L)	Consumption (kg)
	E.L. Smith	E.L. Smith
1	0.54	1,494
2	0.54	1,477
3	0.54	1,475
4	0.54	1,459
5	0.54	1,467
6	0.54	1,474
7	0.54	1,466
8	0.54	1,449
9	0.54	1,472
10	0.54	1,558
11	0.54	1,204
12	0.54	1,490
13	0.54	1,469
14	0.54	1,443
15	0.54	1,444
16	0.54	1,437
17	0.54	1,390
18	0.54	1,364
19	0.54	1,354
20	0.54	1,370
21	0.54	1,363
22	0.54	1,368
23	0.54	1,369
24	0.54	1,417
25	0.54	1,528
26	0.54	1,524
27	0.54	1,454
28	0.54	1,431
Monthly Total		40,212
Monthly Avg	0.54	1,436

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

February 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	--	--	--	--
2	--	--	--	--
3	--	--	--	--
4	--	--	--	--
5	--	--	--	--
6	--	--	--	--
7	--	--	--	--
8	--	--	--	--
9	--	--	--	--
10	--	--	--	--
11	--	--	--	--
12	--	--	--	--
13	--	--	--	--
14	--	--	--	--
15	--	--	--	--
16	--	--	--	--
17	--	--	--	--
18	--	--	--	--
19	--	--	--	--
20	--	--	--	--
21	--	--	--	--
22	--	--	--	--
23	--	--	--	--
24	--	0.45	--	230
25	--	--	--	--
26	--	--	--	--
27	--	0.89	--	467
28	2.48	2.20	495	1,136
Monthly Total			495	1,833
Monthly Avg	2.48	1.18	495	611

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
February 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.63	0.56	325	696
2	0.63	0.56	314	687
3	0.63	0.56	319	679
4	0.63	0.55	321	667
5	0.63	0.55	325	671
6	0.63	0.55	321	674
7	0.63	0.55	319	670
8	0.63	0.55	324	662
9	0.63	0.55	325	673
10	0.63	0.55	316	712
11	0.63	0.55	343	545
12	0.63	0.55	379	681
13	0.63	0.55	386	671
14	0.63	0.55	394	659
15	0.63	0.55	399	659
16	0.63	0.55	393	655
17	0.63	0.55	391	634
18	0.63	0.55	389	622
19	0.63	0.55	393	619
20	0.63	0.55	394	619
21	0.63	0.54	396	611
22	0.63	0.54	394	613
23	0.63	0.54	390	614
24	0.63	0.54	393	636
25	0.63	0.54	393	684
26	0.63	0.54	393	683
27	0.63	0.54	395	652
28	0.63	0.54	350	639
Monthly Total			10,172	18,286
Monthly Avg	0.63	0.55	363	653

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

February 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	33.1	18.7	641	2,187	7.5	45
2	16.6	16.8	516	2,061	12	47
3	31.1	15.9	646	1,893	8.0	45
4	32.5	14.8	775	1,805	9.2	46
5	30.4	13.2	773	1,524	9.8	43
6	31.0	11.9	775	1,484	9.6	47
7	30.0	12.2	641	1,622	8.2	50
8	31.9	11.6	774	1,744	9.4	57
9	24.7	12.0	388	2,033	6.1	65
10	30.6	11.4	901	1,678	11	56
11	31.9	14.1	646	2,303	7.8	60
12	28.3	17.5	902	2,529	12	55
13	34.7	18.3	773	2,321	8.6	48
14	30.9	16.3	774	2,422	9.6	57
15	32.9	14.1	647	1,866	7.6	48
16	32.4	14.5	901	1,821	11	48
17	29.9	12.9	647	1,616	8.4	48
18	31.5	12.9	1,160	1,664	14	49
19	33.8	15.1	648	1,938	7.4	56
20	36.0	11.3	1,031	1,330	11	45
21	36.7	16.0	776	1,954	8.1	47
22	32.1	11.2	775	1,347	9.3	46
23	27.2	11.2	517	1,359	7.4	46
24	33.6	10.4	1,033	1,367	12	50
25	30.7	11.0	776	1,367	9.7	47
26	33.0	9.10	777	1,126	9.1	47
27	29.6	12.7	776	1,786	10	53
28	33.5	12.5	1,677	1,817	19	56
Monthly Total			22,065	49,965	273	1,405
Monthly Avg	31.1	13.5	788	1,784	9.7	50

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

February 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)		102	0.0	126	31	0.0	259	54.32			218.61		
Solids (kg)	TSS	24,799	0	26,169			50,968						
	Aluminium	2,102	0	9,059			11,161						
# of Bypasses						0		Min	Max	Avg	Min	Max	Avg
pH								6.7	7.7	7.4	7.3	7.9	7.8
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								1.65	20.0	9.37	2.08	18.8	10.5

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

February 2025

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		640	0.0	375	196	33	3.9	27	1,276	1,405		
Solids (kg)	TSS	70,234	0	49,708					119,942			
	Aluminium	4,843	0	17,207					22,049			
# of Bypasses						2				Min	Max	Avg
pH										7.57	7.93	7.76
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.66	20.0	7.51

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

February 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

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)	21,737	21,568	0.8
AVG. DAILY DEMAND TO DATE (ML)	368	366	0.5
PEAK DAILY DEMAND TO DATE (ML)	390	379	2.9
PEAK HOURLY DEMAND TO DATE (ML)	519	494	5.1
HIGH 5-DAY AVERAGE TO DATE (ML)	379	369	2.7

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

February 2025

Reservoir	Papaschase 1			Ormsby			Clareview Discharge			Millwoods Discharge			Kaskitayo			Discovery Park		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1.60	1.83	1.62	1.66	1.80	1.71	1.75	1.81	1.79	1.89	1.94	1.91	1.81	1.85	1.82	1.35	1.47	1.41
2	--	--	--	1.64	1.79	1.69	1.73	1.79	1.77	1.91	1.97	1.93	1.76	1.89	1.83	1.32	1.45	1.39
3	1.81	1.81	1.81	1.63	1.72	1.69	1.72	1.78	1.75	1.92	1.98	1.93	1.76	1.88	1.84	1.33	1.44	1.38
4	--	--	--	1.61	1.80	1.70	1.72	1.82	1.75	1.91	1.97	1.93	1.81	1.87	1.84	1.29	1.42	1.36
5	1.59	1.87	1.61	1.56	1.79	1.70	1.62	1.81	1.76	1.90	1.98	1.93	1.76	1.85	1.82	1.30	1.54	1.43
6	1.58	1.83	1.61	1.68	1.75	1.71	1.70	1.77	1.73	1.91	1.98	1.93	1.80	1.84	1.83	1.37	1.55	1.47
7	1.60	1.87	1.63	1.65	1.76	1.70	1.72	1.79	1.75	1.89	1.97	1.92	1.79	1.84	1.82	1.37	1.50	1.44
8	1.64	1.85	1.66	1.56	1.74	1.69	1.63	1.80	1.75	1.88	1.94	1.90	1.75	1.83	1.82	1.34	1.48	1.41
9	1.62	1.66	1.63	1.62	1.71	1.66	1.72	1.79	1.75	1.88	1.93	1.90	1.78	1.81	1.80	1.29	1.42	1.36
10	1.62	1.79	1.63	1.61	1.71	1.65	1.71	1.78	1.74	1.86	1.92	1.88	1.74	1.83	1.81	1.27	1.39	1.33
11	1.57	1.64	1.61	1.60	1.70	1.66	1.69	1.79	1.72	1.82	1.94	1.86	1.76	1.84	1.81	1.22	1.36	1.29
12	1.58	1.60	1.60	1.61	1.74	1.65	1.66	1.76	1.72	1.86	1.91	1.87	1.70	1.84	1.80	1.21	1.34	1.27
13	1.63	1.83	1.66	1.59	1.71	1.64	1.70	1.77	1.72	1.85	1.92	1.86	1.76	1.83	1.81	1.08	1.31	1.22
14	1.60	1.65	1.64	1.76	1.78	1.38	1.60	1.77	1.73	1.85	1.91	1.86	1.77	1.81	1.79	0.99	1.24	1.17
15	1.63	1.80	1.64	1.75	1.81	1.77	1.71	1.78	1.73	1.83	1.89	1.86	1.76	1.80	1.78	1.05	1.24	1.12
16	1.64	1.83	1.66	1.72	1.80	1.76	1.68	1.78	1.73	1.83	1.89	1.85	1.71	1.82	1.78	1.02	1.21	1.09
17	1.62	1.85	1.65	1.73	1.79	1.75	1.69	1.77	1.73	1.82	1.90	1.84	1.76	1.80	1.78	0.98	1.14	1.06
18	1.64	1.88	1.66	1.71	1.78	1.74	1.70	1.78	1.74	1.82	1.91	1.84	1.72	1.80	1.78	--	--	--
19	1.65	1.86	1.66	1.70	1.79	1.75	1.68	1.79	1.74	1.83	1.90	1.85	1.76	1.80	1.77	--	--	--
20	1.64	1.87	1.65	1.37	1.78	1.74	1.69	1.75	1.72	1.84	1.92	1.85	1.75	1.80	1.78	--	--	--
21	1.66	1.82	1.68	1.68	1.80	1.74	1.72	1.78	1.74	1.82	1.90	1.85	1.72	1.80	1.78	--	--	--
22	1.62	1.85	1.66	1.66	1.78	1.74	1.72	1.81	1.75	1.84	1.89	1.85	1.72	1.78	1.76	--	--	--
23	1.57	1.79	1.67	1.67	1.78	1.74	1.73	1.80	1.76	1.82	1.89	1.85	1.71	1.77	1.75	--	--	--
24	1.66	1.86	1.68	1.68	1.80	1.74	1.66	1.79	1.75	1.81	1.87	1.84	1.70	1.75	1.74	--	--	--
25	1.67	1.85	1.68	1.45	1.81	1.75	1.72	1.90	1.74	1.81	1.88	1.83	1.69	1.79	1.75	--	--	--
26	1.64	1.84	1.68	1.50	1.87	1.37	1.70	1.79	1.75	1.82	1.89	1.75	1.67	1.80	1.76	--	--	--
27	1.64	1.78	1.65	1.25	1.80	1.69	1.63	1.81	1.75	1.88	1.95	1.22	1.75	1.79	1.76	--	--	--
28	1.60	1.80	1.62	1.33	1.76	1.68	1.71	1.77	1.74	1.84	1.93	1.87	1.72	1.95	1.78	--	--	--
Monthly Min/Max/Avg	1.57	1.88	1.65	1.25	1.87	1.68	1.60	1.90	1.74	1.81	1.98	1.85	1.67	1.95	1.79	0.98	1.55	1.31

NOTES: '--' Indication Analyzer Offline

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

February 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				1.69	1.88	1.81				1.53	1.61	1.60				1.68	1.73	1.71
2				1.69	1.85	1.77	1.55	1.89	1.59	1.51	1.61	1.59	1.68	1.97	1.70	1.69	1.74	1.72
3				1.65	1.85	1.78	1.55	1.88	1.57	1.54	1.63	1.59	1.64	1.96	1.66	1.69	1.74	1.72
4				1.71	1.84	1.77				1.54	1.63	1.61	1.65	1.65	1.65	1.70	1.75	1.73
5	--	--	--	1.70	1.86	1.77	1.53	1.88	1.57	1.57	1.70	1.63	1.61	1.98	1.64	1.71	1.76	1.74
6	1.62	1.73	1.71	1.51	1.82	1.75	1.55	1.89	1.57	1.56	1.63	1.61	1.61	1.95	1.64	1.70	1.76	1.74
7	--	--	--	1.60	1.88	1.77	1.54	1.85	1.56	1.53	1.63	1.61	1.54	1.92	1.64	1.69	1.76	1.73
8	--	--	--	1.51	1.88	1.78	1.51	1.85	1.55	1.56	1.67	1.61	1.59	1.91	1.64	1.67	1.73	1.70
9	--	--	--	1.64	1.87	1.76	1.52	1.83	1.54	1.51	1.62	1.60	1.61	1.92	1.64	1.65	1.71	1.68
10	1.63	1.69	1.66	1.60	1.81	1.76	1.52	1.56	1.40	1.56	1.63	1.60	--	--	--	1.64	1.70	1.67
11	1.65	1.67	1.66	1.61	1.83	1.75	1.54	1.85	1.57	1.50	1.59	1.57	1.64	1.92	1.66	1.64	1.69	1.67
12	--	--	--	1.53	1.84	1.75	1.56	1.84	1.64	1.51	1.58	1.55	1.64	1.92	1.66	1.63	1.68	1.66
13	1.64	1.67	1.65	1.53	1.84	1.76	1.49	1.82	1.54	1.54	1.56	1.56	1.56	1.90	1.62	1.62	1.67	1.65
14	--	--	--	1.61	1.80	1.75	1.43	1.83	1.57	1.55	1.58	1.57	1.65	1.89	1.71	1.61	1.66	1.64
15	1.65	1.68	1.66	1.66	1.81	1.74	1.64	1.90	1.69	1.57	1.85	1.59	1.72	1.94	1.74	1.60	1.65	1.63
16	--	--	--	1.53	1.86	1.74	--	--	--	1.54	1.63	1.59	--	--	--	1.60	1.65	1.62
17				1.43	1.82	1.74	1.65	1.87	1.70	1.56	1.60	1.59	1.71	1.90	1.75	1.57	1.63	1.60
18				1.54	1.84	1.76	1.33	1.85	1.71	1.56	1.58	1.57	1.72	1.91	1.74	1.56	1.61	1.59
19				1.58	1.88	1.79	1.66	1.88	1.70	1.55	1.85	1.58	1.73	1.94	1.75	1.57	1.61	1.59
20				1.59	1.86	1.79	1.67	1.92	1.70	1.53	1.80	1.61	1.73	1.94	1.77	1.57	1.61	1.60
21	--	--	--	1.56	1.93	1.77	1.64	1.91	1.69	1.62	1.90	1.64	1.70	1.90	1.71	1.58	1.61	1.59
22	--	--	--	1.53	1.84	1.77	1.65	1.90	1.69	1.63	1.81	1.65	1.70	1.94	1.72	1.57	1.60	1.58
23	--	--	--	1.60	1.87	1.76	1.65	1.91	1.70	1.62	1.81	1.64	1.70	1.89	1.71	1.55	1.60	1.58
24	--	--	--	1.62	1.83	1.76	1.62	1.90	1.70	1.61	1.80	1.64	1.69	1.89	1.71	1.53	1.58	1.56
25	--	--	--	1.62	1.87	1.78	--	--	--	1.59	1.86	1.62	--	--	--	1.53	1.57	1.55
26	--	--	--	1.64	1.89	1.79	--	--	--	1.58	1.82	1.60	--	--	--	1.53	1.58	1.55
27	--	--	--	1.54	1.85	1.79	1.50	1.88	1.62	1.55	1.85	1.60	1.64	1.90	1.65	1.48	1.55	1.52
28	1.60	1.65	1.63	1.55	1.85	1.77	1.52	1.87	1.59	1.59	1.75	1.60	1.61	1.85	1.63	1.52	1.57	1.55
Monthly Min/Max/Avg	1.60	1.73	1.66	1.43	1.93	1.77	1.33	1.92	1.62	1.50	1.90	1.60	1.54	1.98	1.68	1.48	1.76	1.64

NOTES: '--' Indication Analyzer Offline

1.2.31 Phosphoric Acid Chemical Consumption

February 2025

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.90	440	1,068
2	0.90	0.90	361	976
3	0.90	0.90	410	978
4	0.90	0.90	450	1,024
5	0.90	0.90	390	936
6	0.90	0.90	398	982
7	0.90	0.90	395	1,041
8	0.90	0.90	409	947
9	0.90	0.90	363	950
10	0.90	0.90	445	1,035
11	0.90	0.90	421	713
12	0.90	0.90	394	1,020
13	0.90	0.90	508	887
14	0.90	0.90	515	943
15	0.90	0.90	485	933
16	0.90	0.90	496	1,008
17	0.90	0.90	508	866
18	0.90	0.90	477	896
19	0.90	0.90	507	904
20	0.90	0.90	491	917
21	0.90	0.90	527	898
22	0.90	0.90	484	920
23	0.90	0.90	496	902
24	0.90	0.90	432	890
25	0.90	0.90	504	1,022
26	0.90	0.90	529	1,010
27	0.90	0.90	486	976
28	0.90	0.90	415	902
Monthly Total			12,737	26,543
Monthly Avg	0.90	0.90	455	948

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

February 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
2025-02-02 13:46	14911-75A STREET NW	2025-02-02 16:35	150	AC
2025-02-02 13:18	13423-108 STREET NW	2025-03-04 13:40	350	AC
2025-02-04 11:33	10104-129 AVENUE NW	2025-02-04 22:57	250	CI
2025-02-04 18:15	14911-75A STREET NW	2025-02-05 16:58	150	AC
2025-02-04 16:16	5604-134A AVENUE NW	2025-02-05 22:21	200	CI
2025-02-08 11:01	13015-63 STREET NW	2025-02-09 2:00	200	CI
2025-02-08 18:53	3808-106 STREET NW	2025-02-08 21:45	150	CI
2025-02-08 21:47	3808-106 STREET NW	2025-02-09 16:46	150	CI
2025-02-09 16:32	9011-146 STREET NW	2025-02-10 13:45	150	CI
2025-02-10 1:38	10414-ALLENDALE ROAD NW	2025-02-10 15:15	150	CI
2025-02-10 6:33	10707-117 STREET NW	2025-02-11 5:20	150	CI
2025-02-10 7:20	10733-117 STREET NW	2025-02-11 5:20	150	CI
2025-02-10 11:23	11638-71 STREET NW	2025-02-10 21:54	150	CI
2025-02-11 11:13	10948-68 AVENUE NW	2025-02-11 21:48	200	CI
2025-02-12 10:02	13019-63 STREET NW	2025-02-12 10:50	200	CI
2025-02-12 14:34	12107-102 STREET NW	2025-02-12 21:00	150	CI
2025-02-13 13:11	10235-124 STREET NW	2025-02-13 23:58	150	CI
2025-02-13 19:34	11420-106 AVENUE NW	2025-02-14 20:15	150	CI
2025-02-14 3:41	7720-85 AVENUE NW	2025-02-14 18:00	150	CI
2025-02-14 9:00	10620-107 AVENUE NW	2025-02-15 9:13	150	CI
2025-02-14 12:43	9233-150 STREET NW	2025-02-14 20:36	150	CI
2025-02-14 20:30	11420-106 AVENUE NW	2025-02-15 15:10	150	CI
2025-02-15 14:09	11420-106 AVENUE NW	2025-02-15 15:10	150	CI
2025-02-15 15:02	11420-106 AVENUE NW	2025-02-15 15:10	150	CI
2025-02-15 20:46	10223-116 STREET NW	2025-02-16 18:46	150	CI
2025-02-16 8:28	10125-143 STREET NW	2025-02-16 23:57	50	AC
2025-02-16 10:07	12327-102 STREET NW	2025-03-04 11:57	150	CI
2025-02-16 10:51	8519-64 AVENUE NW	2025-02-19 20:14	150	CI
2025-02-17 0:00	10125-143 STREET NW	2025-02-17 13:43	50	AC
2025-02-17 3:25	10031-101 STREET NW		200	CI
2025-02-17 5:32	8105C-105 AVENUE NW	2025-02-17 15:30	150	CI
2025-02-17 6:08	10223-116 STREET NW	2025-02-17 20:55	150	CI
2025-02-17 8:51	10808-79 AVENUE NW	2025-02-17 22:15	200	CI
2025-02-17 11:25	10118-82 STREET NW	2025-02-18 16:45	150	CI
2025-02-17 11:16	7224-95 AVENUE NW	2025-02-18 14:45	200	CI
2025-02-17 14:51	10125-143 STREET NW	2025-02-18 17:30	50	AC
2025-02-17 21:09	10223-116 STREET NW	2025-02-18 14:49	150	CI
2025-02-18 5:46	8711-80 AVENUE NW	2025-02-18 20:30	150	CI
2025-02-18 5:47	9334-107 AVENUE NW	2025-02-18 15:27	100	CI
2025-02-18 7:39	13519-91 STREET NW	2025-02-18 22:22	200	CI
2025-02-18 14:53	10223-116 STREET NW	2025-02-18 15:14	150	CI
2025-02-18 14:45	7224-95 AVENUE NW	2025-02-18 15:29	200	CI
2025-02-18 17:58	12041-95 STREET NW	2025-02-19 10:35	150	AC
2025-02-18 20:10	10335-83 AVENUE NW		150	CI
2025-02-18 23:04	10030-114 STREET NW	2025-02-19 21:43	150	CI
2025-02-19 9:24	11230-67 AVENUE NW	2025-02-20 8:29	150	AC
2025-02-19 11:17	10363-104 STREET NW		150	CI
2025-02-19 12:38	8660-64 AVENUE NW	2025-02-19 20:15	150	CI
2025-02-19 16:31	10125-143 STREET NW	2025-02-19 20:50	50	AC
2025-02-19 15:04	11560-142 STREET NW	2025-02-20 16:19	250	CI
2025-02-19 14:57	10150-102 STREET NW		0	[None]
2025-02-19 20:27	12776-119 STREET NW	2025-02-20 19:31	150	CI
2025-02-19 22:38	8720-72 STREET NW	2025-02-20 23:15	200	CI

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
2025-02-20 3:22	11122-80 AVENUE NW	2025-02-20 19:33	150	CI
2025-02-20 5:25	3830-109 AVENUE NW	2025-02-21 0:15	150	CI
2025-02-20 6:23	9511-71 AVENUE NW	2025-02-20 19:40	150	CI
2025-02-20 10:22	11237-78 AVENUE NW	2025-02-21 9:00	150	CI
2025-02-20 23:22	8724-72 STREET NW	2025-02-21 12:15	200	CI
2025-02-21 0:29	3830-109 AVENUE NW	2025-02-21 1:00	150	CI
2025-02-21 1:50	10820-98 STREET NW	2025-02-21 21:44	150	CI
2025-02-21 6:05	LN 71 AVE W 99 ST	2025-02-21 19:35	150	CI
2025-02-21 7:31	7514-79 AVENUE NW	2025-02-21 18:45	150	CI
2025-02-21 11:00	6507-131 AVENUE NW	2025-02-22 18:45	150	AC
2025-02-21 17:40	10326-118 STREET NW	2025-02-22 14:04	150	CI
2025-02-21 19:41	7006-99 ST NW	2025-02-21 20:50	150	CI
2025-02-21 20:28	9260G-86 STREET NW	2025-02-21 20:50	150	CI
2025-02-21 21:07	7006-99 ST NW	2025-02-22 11:06	150	CI
2025-02-22 13:41	9126-83 AVENUE NW	2025-02-22 18:24	150	CI
2025-02-22 15:44	10640-47 AVENUE NW	2025-02-22 23:15	150	CI
2025-02-22 15:49	10205-119 STREET NW	2025-02-23 3:35	150	CI
2025-02-22 15:40	9347-64 AVENUE NW	2025-02-23 11:39	150	CI
2025-02-22 21:10	11042-157 STREET NW		150	CI
2025-02-23 11:44	9347-64 AVENUE NW	2025-02-23 12:35	150	CI
2025-02-23 12:23	6309-90 AVENUE NW	2025-02-23 21:33	200	CI
2025-02-23 9:00	11631-78 AVENUE NW	2025-02-23 22:02	150	CI
2025-02-23 8:00	14327-95A AVENUE NW	2025-02-23 17:03	150	CI
2025-02-23 17:02	12704-110 AVENUE NW	2025-02-24 15:10	150	CI
2025-02-23 20:27	10325-45 STREET NW	2025-02-24 18:15	150	CI
2025-02-24 7:13	15719-86 AVENUE NW	2025-02-24 21:30	150	CI
2025-02-24 17:46	13411-61 STREET NW	2025-02-25 15:10	150	CI
2025-02-25 7:55	9311-51 AVENUE NW	2025-02-27 14:30	150	CI
2025-02-25 10:53	9115-106A AVENUE NW	2025-02-26 10:29	300	AC
2025-02-26 7:43	10848-69 AVENUE NW	2025-02-26 22:40	200	CI
2025-02-26 10:35	9115-106A AVENUE NW	2025-02-27 10:30	300	AC
2025-02-26 14:03	1-WESTBROOK DRIVE NW	2025-02-26 19:39	250	CI
2025-02-26 15:44	9027-143 STREET NW	2025-02-27 15:46	200	CI
2025-02-26 21:31	9404-77 STREET NW		200	CI
2025-02-27 8:28	16930-114 AVENUE NW	2025-03-01 10:00	200	CI
2025-02-28 11:59	18329-66 AVENUE NW		200	AC
2025-02-28 11:39	12502-121 AVENUE NW	2025-03-01 10:10	150	CI

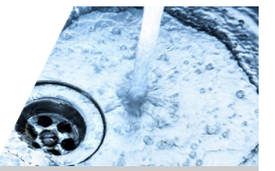
Month	Total Breaks By Month
Jan-25	26
Feb-25	91
Mar-25	
Apr-25	
May-25	
Jun-25	
Jul-25	
Aug-25	
Sep-25	
Oct-25	
Nov-25	
Dec-25	
YTD 2025	**117**

**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

February 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO3/L)	56	130.5	118.0 - 139.0	118	124.7	110.0 - 139.0
Aluminum (mg/L)	2	0.085	0.082 - 0.087	4	0.082	0.076 - 0.087
Arsenic (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	16	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	56	0.9	<0.5 - 1.4	118	0.8	<0.5 - 1.4
Cadmium (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO3)	54	127.7	107.0 - 136.0	114	121.5	105.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.17	0.08 - 0.32	16	0.16	<0.1 - 0.32
Chloride Dissolved (mg/L)	8	5.8	4.9 - 9.0	16	5.49	4.59 - 9.04
Chlorine total (mg/L)	56	2.06	1.91 - 2.17	118	2.08	1.91 - 2.18
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	16	<0.2	<0.005 - <0.2
Chloroform (µg/L)	56	12.3	6.1 - 18.7	118	10.3	4.7 - 19.1
Chromium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Colour (TCU)	56	1.1	<0.5 - 1.7	118	0.9	<0.5 - 1.7
Conductivity (µS/cm)	8	410.0	366.0 - 440.0	16	390.9	362.0 - 440.0
Copper (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	4	<0.1	<0.09 - <0.1
Fluoride (mg/L)	56	0.69	0.61 - 0.75	118	0.68	0.61 - 0.75
Giardia (cysts/100L)	2	<0.1	<0.1	4	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	20.40	19.00 - 21.80	4	15.49	9.56 - 21.80
Iron (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Mercury (µg/L)	2	<0.0050	<0.0050	2	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.09	0.08 - 0.11	14	0.09	0.08 - 0.11
Nitrite (as N) dissolved (mg/L)	8	0.01	<0.01	14	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	4	<0.0018	<0.0009 - <0.0018
pH	56	8	8	118	8	8
Potassium (mg/L)	2	0.9	0.8 - 0.9	4	0.7	0.6 - 0.9
Sodium (mg/L)	2	7.9	7.8 - 7.9	4	7.2	6.3 - 7.9
Sulphate Dissolved (mg/L)	8	70.0	61.1 - 74.2	16	65.6	59.3 - 74.2
Total Dissolved Solids (mg/L)	2	251.00	245.00 - 257.00	4	228.25	200.00 - 257.00
Total Hardness (mg/L CaCO3)	56	194.5	174.0 - 212.0	118	184.4	161.0 - 212.0
Total Organic Carbon (mg/L)	8	1.3	1.0 - 1.6	16	1.1	0.8 - 1.6
Trihalomethanes (µg/L)	56	13.3	6.7 - 19.7	118	11.2	5.9 - 19.8
Turbidity (NTU)	56	0.07	<0.04 - 0.52	118	0.06	<0.04 - 0.52
Uranium (mg/L)	2	0.0006	0.0006	4	0.0006	0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005

2.1.2 QUALITY ASSURANCE – February 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 concentrations 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	0	0
Total Variances + Violations	0 + 0 = 0	0 + 0 = 0

Notes: 1) Variance statistics include any violations.
2) As of October 18, 2024 both ELS and ROS WTP were converted to Direct 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	2	4
Chlorine < 1 mg/L or > 2.4 mg/L	1	1
Single Positive Coliform	1	1
THMs > 50 µg/L	0	0
Pipe Lube, Odour, UV positive	0	0
Aluminium[2] > 0.20 (or 0.1) mg/L	0	0
Iron > 0.10 mg/L	0	0
Other	0	0
Total Variances + Violations	4 + 0 = 4	6 + 0 = 6

Notes: 1) Variance statistics include any violations.
2) As of October 18, 2024 both ELS and ROS WTP were converted to Direct Filtration mode. Aluminium limit changes from 0.1 mg/L to 0.2 mg/L (operational guideline), when in Direct Filtration.

2.1.2.7 **Variances from EPCOR Water Services Water Quality Objectives (Lab Waste Streams)**

No variances to report for lab waste streams.

2.1.3 EXPLANATION OF NOTATIONS USED

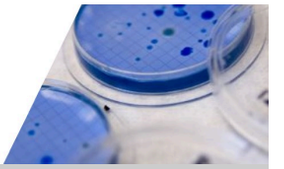
Concentrations are reported as mg/L unless otherwise indicated.
Alkalinity and Hardness (Ca and Total) are reported as mg $CaCO_3$/L

%T	=	% Transmission
- ve	=	Absent
+ ve	=	Present
µg/L	=	Micrograms per litre (1 µg/L = 0.001 mg/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

February 2025



Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Cellular ATP (pg/mL)	1	21.5	21.5	1	21.5	21.5
Coliforms total (MPN/100 mL)	6	31.3	21.3 - 44.8	11	42.4	21.3 - 77.1
E. coli (MPN/100 mL)	6	Not Detected	1.0	11	Not Detected	1.0 - 3.1
Rossdale Raw						
Cellular ATP (pg/mL)	1	31.2	31.2	2	19.4	7.6 - 31.2
Coliforms total (MPN/100 mL)	28	297.2	22.8 - 2802.0	59	388.3	22.8 - 7308.0
E. coli (MPN/100 mL)	28	18.7	1.0 - 71.2	59	74.2	1.0 - 3328.0
EL Smith Treated						
Cellular ATP (pg/mL)	28	0.1	<0.10 - 0.2	59	0.1	<0.10 - 0.2
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	28	0.1	<0.10 - 0.5	59	0.1	<0.10 - 0.5
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	28	0.1	<0.10 - 0.2	59	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	28	0.1	<0.10 - 0.3	59	0.1	<0.10 - 0.3
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

February 2025

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	109	0.2	<0.10 - 2.0	229	0.2	<0.10 - 2.0
Coliforms total (PA/100mL)	207	-VE	+VE	404	-VE	+VE - -VE
E. coli (PA/100mL)	207	-VE	-VE	404	-VE	-VE

207

Count of Bacteriological Tests

106%

Percent of Target Sampling (195)

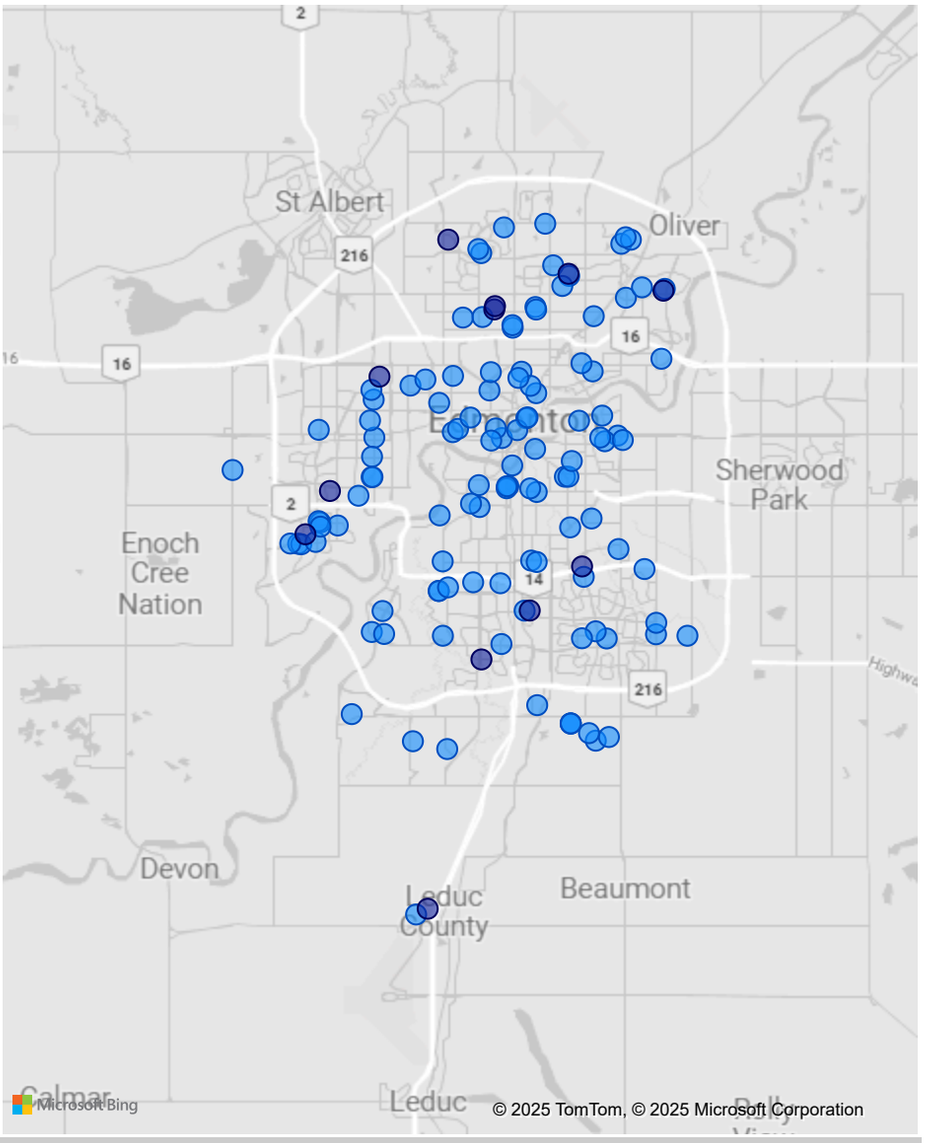
52%

Analyzed by AHS

48%

Analyzed by Epcor

Sampling Type Distribution Water Outlying Field Reservoirs



2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

February 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

February 2025

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	2	<0.1	<0.1		
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	2	<0.1	<0.1		
Physical								
Colour (TCU)	28	1.3	0.7 - 1.7	59	1.0	0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	413.3	366.0 - 440.0	8	392.3	364.0 - 440.0		
pH	28	8	8	59	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	257.00	257.00	2	234.00	211.00 - 257.00		
Turbidity (NTU)	28	0.05	<0.04 - 0.09	59	0.05	<0.04 - 0.09	(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	0.065	0.065	2	0.060	0.054 - 0.065	2.000	
Boron (mg/L)	1	0.010	0.010	2	0.009	0.008 - 0.010	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	8	<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)	4	0.24	0.17 - 0.32	8	0.21	0.1 - 0.32	1.00	
Chlorine total (mg/L)	28	2.07	1.95 - 2.17	59	2.09	1.94 - 2.18		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	8	<0.2	<0.005 - <0.2	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	1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	28	0.71	0.64 - 0.75	59	0.69	0.64 - 0.75	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	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.09 - 0.11	7	0.09	0.09 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	7	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	0.0006	0.0006	2	0.0006	0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

February 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	1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	5.00	
Benzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	90.00	
Cyanazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Diazinon (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Dicamba (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20		
Diclofop-methyl (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Dimethoate (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050	20.000	
Diquat (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	50.0	
Diuron (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050		
Ethylbenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	21.80	21.80	2	16.70	11.60 - 21.80	80.00	40.00
Malathion (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	28	<0.5	<0.5	59	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Metribuzin (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100	80.00	
Microcystin total (µg/L)	1	0.16	0.16	1	0.16	0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	2	<0.0016	<0.0009 - <0.0016	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	1	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Phorate (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250		
Picloram (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Simazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Terbufos (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Toluene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10		
Trihalomethanes (µg/L)	28	14.7	9.1 - 19.7	59	12.5	7.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	28	<1.0	<1.0	59	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	28	<1.0	<1.0	59	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	28	131.1	118.0 - 139.0	59	125.3	111.0 - 139.0		
Aluminum (mg/L)	1	0.087	0.087	2	0.085	0.082 - 0.087	2.900 (0.100)	
Ammonia as NH3 (mg/L)	14	0.11	0.07 - 0.14	29	0.11	0.07 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	8	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	54.0	54.0	2	49.9	45.8 - 54.0		
Calcium Hardness (mg/L CaCO3)	28	128.2	114.0 - 136.0	59	121.8	108.0 - 136.0		
Chloride Dissolved (mg/L)	4	6.1	4.9 - 9.0	8	5.66	4.59 - 9.04	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	2	<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	<0.002	<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	17.2	17.2	2	15.7	14.2 - 17.2		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	2	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	2	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	2	<0.02	<0.02		
Potassium (mg/L)	1	0.9	0.9	2	0.8	0.6 - 0.9		
Silicon (mg/L)	1	2.44	2.44	2	2.18	1.92 - 2.44		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	7.9	7.9	2	7.4	6.8 - 7.9	(200.0)	
Strontium (mg/L)	1	0.480	0.480	2	0.475	0.469 - 0.480	7.000	
Sulphate Dissolved (mg/L)	4	69.2	61.1 - 72.4	8	64.8	59.3 - 72.4	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	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)	28	194.4	174.0 - 209.0	59	184.4	165.0 - 209.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

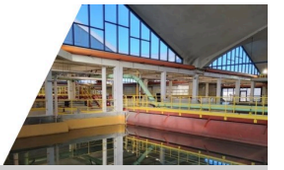
February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	11.40	11.40	2	8.57	5.73 - 11.40		
Total Volatile Organics (Non THM) (µg/L)	28	1.2	<1.0 - 2.1	57	1.5	<1.0 - 2.9		
Total Organic Carbon (mg/L)	4	1.4	1.0 - 1.6	8	1.2	0.8 - 1.6		
Tetrachloroethane (1,1,2,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Styrene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	28	<1.0	<1.0	59	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	1	10.40	10.40	2	8.15	5.90 - 10.40		
Dibromochloromethane (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Chloroform (µg/L)	28	13.6	8.4 - 18.7	59	11.5	6.5 - 19.1	(40.0)	
Bromoform (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	28	1.0	<0.5 - 1.4	59	0.9	<0.5 - 1.4		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	2	<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

February 2025



Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	28	-VE	-VE	59	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	2	<0.1	<0.09 - <0.1		
E. coli (PA/100mL)	28	-VE	-VE	59	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	2	<0.1	<0.09 - <0.1		
Physical								
Colour (TCU)	28	0.9	<0.5 - 1.3	59	0.9	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	406.8	371.0 - 419.0	8	389.6	362.0 - 419.0		
pH	28	8	8	59	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	245.00	245.00	2	222.50	200.00 - 245.00		
Turbidity (NTU)	28	0.08	0.04 - 0.52	59	0.06	<0.04 - 0.52	(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	0.066	0.066	2	0.060	0.053 - 0.066	2.000	
Boron (mg/L)	1	0.010	0.010	2	0.009	0.008 - 0.010	5.000	
Bromate Dissolved (mg/L)	4	<0.005	<0.005	8	<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)	4	0.11	0.08 - 0.12	8	0.10	<0.1 - 0.12	1.00	
Chlorine total (mg/L)	28	2.05	1.91 - 2.16	59	2.06	1.91 - 2.17		
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	8	<0.2	<0.005 - <0.2	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	1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	28	0.66	0.61 - 0.73	59	0.66	0.61 - 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	<0.0050	<0.0050	1.0000	
Mercury (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.08 - 0.10	7	0.09	0.08 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	7	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0004	0.0004	2	0.0003	0.0002 - 0.0004	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	2	0.0006	0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

February 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	1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	5.00	
Benzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Chlorpyrifos (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	90.00	
Cyanazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Diazinon (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Dicamba (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Dichloroethylene (1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	14.0	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20		
Diclofop-methyl (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Dimethoate (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050	20.000	
Diquat (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	50.0	
Diuron (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050		
Ethylbenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	1	21.80	21.80	2	16.70	11.60 - 21.80	80.00	40.00
Malathion (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	28	<0.5	<0.5	59	<1.00	<0.5 - <1.00	50.0	
Metolachlor (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Metribuzin (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100	80.00	
Microcystin total (µg/L)	1	0.16	0.16	1	0.16	0.16	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	2	<0.0016	<0.0009 - <0.0016	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	1	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Phorate (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250		
Picloram (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Simazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Terbufos (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Toluene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10		
Trihalomethanes (µg/L)	28	14.7	9.1 - 19.7	59	12.5	7.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	28	<1.0	<1.0	59	<1.0	<0.50 - <1.0	2.00	
Xylenes total (µg/L)	28	<1.0	<1.0	59	<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

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	28	130.0	118.0 - 138.0	59	124.0	110.0 - 138.0		
Aluminum (mg/L)	1	0.082	0.082	2	0.079	0.076 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	14	0.09	0.08 - 0.11	29	0.10	0.08 - 0.15		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	8	<0.05	<0.03 - <0.05		
Calcium (mg/L)	1	54.9	54.9	2	50.6	46.3 - 54.9		
Calcium Hardness (mg/L CaCO3)	28	127.9	107.0 - 137.0	59	121.4	105.0 - 137.0		
Chloride Dissolved (mg/L)	4	5.5	5.3 - 5.6	8	5.33	5.02 - 5.59	(250.00)	
Chlorine free (mg/L)	1	<0.07	<0.07	2	<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	<0.002	<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	0.0033	0.0029 - 0.0037		
Magnesium (mg/L)	1	17.1	17.1	2	15.7	14.2 - 17.1		
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	2	0.0007	0.0005 - 0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	2	<0.02	<0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	2	<0.02	<0.02		
Potassium (mg/L)	1	0.8	0.8	2	0.7	0.6 - 0.8		
Silicon (mg/L)	1	2.45	2.45	2	2.18	1.90 - 2.45		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	7.8	7.8	2	7.1	6.3 - 7.8	(200.0)	
Strontium (mg/L)	1	0.475	0.475	2	0.466	0.457 - 0.475	7.000	
Sulphate Dissolved (mg/L)	4	70.8	63.4 - 74.2	8	66.4	60.7 - 74.2	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	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)	28	194.5	175.0 - 212.0	59	184.4	161.0 - 212.0		
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		

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	9.87	9.87	2	7.16	4.44 - 9.87		
Total Volatile Organics (Non THM) (µg/L)	28	1.2	<1.0 - 2.1	57	1.4	<1.0 - 3.2		
Total Organic Carbon (mg/L)	4	1.3	1.0 - 1.5	8	1.1	0.8 - 1.5		
Tetrachloroethane (1,1,2,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Styrene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	28	<1.0	<1.0	59	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroacetic acid (µg/L)	1	9.18	9.18	2	7.15	5.12 - 9.18		
Dibromochloromethane (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	2	<1.00	<1.00		
Chloroform (µg/L)	28	10.9	6.1 - 15.1	59	9.1	4.7 - 16.8	(40.0)	
Bromoform (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	28	0.8	<0.5 - 1.3	59	0.7	<0.5 - 1.3		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	2	<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

February 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)	28	96.6	93.0	59	97.0	93.0 - 97.0		
UV 254 % Transmittance (UV Abs/cm)	28	0.024	0.015 - 0.032	59	0.020	0.013 - 0.032		
EL Smith Treated								
Turbidity (NTU)	28	0.06	<0.04 - 0.10	59	0.06	<0.04 - 0.10	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	28	96.2	92.3	59	96.9	92.3 - 96.9		
UV 254 % Transmittance (UV Abs/cm)	28	0.025	0.017 - 0.035	59	0.021	0.014 - 0.035		
Rossdale Treated								
Turbidity (NTU)	28	0.05	<0.04 - 0.07	59	0.05	<0.04 - 0.09	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	28	<0.5	<0.5	59	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	28	9.6	5.2 - 13.2	59	8.2	5.1 - 16.6	100.0	50.0
Xylenes total (µg/L)	28	<1.0	<1.0	59	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Benzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethylene (1,1) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	14.0	
Ethylbenzene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	28	<0.5	<0.5	59	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	28	12.9	7.4 - 17.4	59	10.9	6.4 - 18.6	100.0	50.0
Xylenes total (µg/L)	28	<1.0	<1.0	59	<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

February 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	8	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.10	0.08 - 0.12	8	0.10	<0.1 - 0.12	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	8	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.09 - 0.11	7	0.09	0.09 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	7	0.01	<0.01 - 0.01	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	4	<0.005	<0.005	8	<0.005	<0.003 - <0.005	0.010	
Chlorate Dissolved (mg/L)	4	0.23	0.16 - 0.30	8	0.20	0.1 - 0.30	1.00	
Chlorite Dissolved (mg/L)	4	<0.005	<0.005	8	<0.2	<0.005 - <0.2	1.000	
Nitrate (as N) dissolved (mg/L)	4	0.09	0.08 - 0.11	7	0.09	0.08 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	4	0.01	<0.01	7	0.01	<0.01 - 0.01	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	14	0.09	0.07 - 0.12	29	0.10	0.07 - 0.14		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	8	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	5.4	5.1 - 5.5	8	5.22	4.84 - 5.54	(250.00)	
Sulphate Dissolved (mg/L)	4	71.0	63.7 - 74.4	8	66.5	60.5 - 74.4	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	14	0.13	0.11 - 0.15	29	0.13	0.10 - 0.17		
Bromide Dissolved (mg/L)	4	<0.03	<0.03	8	<0.05	<0.03 - <0.05		
Chloride Dissolved (mg/L)	4	7.4	4.6 - 14.6	8	6.19	4.55 - 14.60	(250.00)	
Sulphate Dissolved (mg/L)	4	69.4	62.0 - 72.7	8	65.0	59.2 - 72.7	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	28	0.6	<0.5 - 0.8	59	0.6	<0.5 - 0.8		
Bromoform (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	28	8.9	4.6 - 12.2	59	7.5	4.1 - 16.0	(40.0)	
Dibromochloromethane (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	28	<1.0	<1.0	59	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	28	1.2	<1.0 - 2.2	57	1.4	<1.0 - 3.0		
Trichlorobenzene (1,2,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.40 - <0.5		
Rossdale Treated								
Bromodichloromethane (µg/L)	28	0.9	<0.5 - 1.8	59	0.8	<0.5 - 1.8		
Bromoform (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	28	11.7	6.8 - 16.0	59	9.9	5.7 - 17.9	(40.0)	
Dibromochloromethane (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	28	<1.0	<1.0	59	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	28	1.2	<1.0 - 2.4	57	1.4	<1.0 - 2.5		
Trichlorobenzene (1,2,4) (µg/L)	28	<0.5	<0.5	59	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	28	<0.5	<0.5	59	<0.5	<0.40 - <0.5		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)								
Coliforms total (PA/100mL)	157	-VE	+VE	302	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)								
E. coli (PA/100mL)	157	-VE	-VE	302	-VE	-VE	0.0	
Physical								
Colour (TCU)	1	0.8	0.8	1	0.8	0.8	(15.0)	10.0
pH	2	8	8	4	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	226.00	226.00	1	226.00	226.00		
Turbidity (NTU)	157	0.17	0.06 - 1.93	302	0.16	<0.04 - 1.93	(3.00)	1.00
UV Absorbance (UV Abs/cm)	1	0.027	0.027	1	0.027	0.027		
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.056	0.056	1	0.056	0.056	2.000	
Boron (mg/L)	1	0.008	0.008	1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.17	0.15 - 0.18	2	0.17	0.15 - 0.18	1.00	
Chlorine total (mg/L)	157	1.90	0.22 - 2.16	302	1.92	0.22 - 2.34		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	1	0.73	0.73	1	0.73	0.73	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (µg/L)	1	<0.0050	<0.0050	1	<0.0050	<0.0050	1.0000	
Mercury (mg/L)								
Nitrate (as N) dissolved (mg/L)	2	0.09	0.09	4	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	2	0.01	0.01	4	0.01	<0.01 - 0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

February 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	1	<0.250	<0.250	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	350.000	
Atrazine + metabolites (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	5.00	
Benzene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250	30.000	
Carbon Tetrachloride (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Chlorpyrifos (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10	90.00	
Cyanazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Diazinon (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Dicamba (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	110.00	
Dichlorobenzene (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	14.0	
Dichlorophenol (2,4) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20		
Diclofop-methyl (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Dimethoate (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050	20.000	
Diquat (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	50.0	
Diuron (µg/L)	1	<0.050	<0.050	1	<0.050	<0.050		
Ethylbenzene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	140.0 (1.6)	
Glyphosate (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	280.00	
Haloacetic acids total (HAA5) (µg/L)	6	16.53	12.40 - 20.40	12	13.44	9.63 - 20.40	80.00	40.00
Malathion (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	50.0	
Metolachlor (µg/L)	1	<0.0250	<0.0250	1	<0.0250	<0.0250		
Metribuzin (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100	80.00	
Microcystin total (µg/L)	1	<0.15	<0.15	1	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)	1	<0.4	<0.4	1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.00108	<0.0009 - 0.00117	6	<0.0036	<0.0009 - <0.0036	0.04000	0.01000
Omethoate (as dimethoate) (µg/L)	1	<0.16	<0.16	1	<0.16	<0.16		
Pentachlorophenol (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Perfluorooctanoic Acid (ng/L)	1	<2.0	<2.0	1	<2.0	<2.0		
Phorate (µg/L)	1	<0.250	<0.250	1	<0.250	<0.250		
Picloram (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Simazine (µg/L)	1	<0.100	<0.100	1	<0.100	<0.100		
Terbufos (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Tetrachloroethylene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	10.0	
Tetrachlorophenol (2,3,4,6) (µg/L)	1	<0.50	<0.50	1	<0.50	<0.50		
Toluene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	5.0	
Trichlorophenol (2,4,6) (µg/L)	1	<0.20	<0.20	1	<0.20	<0.20	5.00 (2.00)	
Trifluralin (µg/L)	1	<0.10	<0.10	1	<0.10	<0.10		
Trihalomethanes (µg/L)	6	16.5	14.4 - 19.7	12	12.8	6.9 - 19.7	100.0	50.0
Vinyl Chloride (µg/L)	6	<1.0	<1.0	12	<1.0	<1.0	2.0	
Xylenes total (µg/L)	6	<1.0	<1.0	12	<1.0	<1.0	90.0 (20.0)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

February 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	1	124.0	124.0		
Aluminum (mg/L)	1	0.069	0.069	1	0.069	0.069	2.900 (0.100)	
Ammonia as NH3 (mg/L)	2	0.13	0.11 - 0.14	4	0.13	0.10 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	49.8	49.8	1	49.8	49.8		
Chloride Dissolved (mg/L)	2	5.2	5.2	2	5.2	5.2	(250.0)	
Chlorine free (mg/L)	1	<0.07	<0.07	1	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	0.004	0.004	1	0.004	0.004	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(0.300)	
Lithium (mg/L)	1	0.0032	0.0032	1	0.0032	0.0032		
Magnesium (mg/L)	1	15.6	15.6	1	15.6	15.6		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	1	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	1	0.90	0.90	3	0.90	0.88 - 0.92		
Phosphorus (mg/L)	1	0.94	0.94	1	0.94	0.94		
Potassium (mg/L)	1	0.7	0.7	1	0.7	0.7		
Silicon (mg/L)	1	2.13	2.13	1	2.13	2.13		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.0	7.0	1	7.0	7.0	(200.0)	
Strontium (mg/L)	1	0.480	0.480	1	0.480	0.480	7.000	
Sulphate Dissolved (mg/L)	2	64.1	63.1 - 65.0	2	64.1	63.1 - 65.0	(500.0)	
Sulphide (mg/L)	1	<0.0015	<0.0015	1	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	179.0	179.0	1	179.0	179.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

February 2025

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	6	1.0	0.8 - 1.1	12	1.0	0.7 - 1.2		
Bromoform (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Chloroform (µg/L)	6	15.2	13.3 - 18.2	12	11.6	5.7 - 18.2		
Dibromoacetic acid (µg/L)	6	<1.00	<1.00	12	<1.00	<1.00		
Dibromochloromethane (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Dichloroacetic acid (µg/L)	6	8.02	6.06 - 9.70	12	6.76	4.82 - 9.70		
Dichlorobenzene (1,3) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Methoxychlor (µg/L)	1	<0.0080	<0.0080	1	<0.0080	<0.0080		
Methyl Isobutyl Ketone (MIBK) (µg/L)	6	<1.0	<1.0	12	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	6	<1.00	<1.00	12	<1.00	<1.00		
Monochloroacetic acid (µg/L)	6	<1.00	<1.00	12	<1.00	<1.00		
Styrene (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Total Organic Carbon (mg/L)	2	1.2	1.1 - 1.2	4	1.0	0.9 - 1.2		
Total Volatile Organics (Non THM) (µg/L)	6	1.1	<1.0 - 1.4	12	1.3	<1.0 - 2.3		
Trichloroacetic acid (µg/L)	6	8.51	6.35 - 10.70	12	6.68	4.47 - 10.70		
Trichlorobenzene (1,2,4) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Xylene (1,2) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		
Xylene (1,4) (µg/L)	6	<0.5	<0.5	12	<0.5	<0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	5	1.2	0.7 - 1.9	14	0.9	0.5 - 1.9	(15.0)	10.0
pH	5	8	8	14	8	8		7 - 8
Turbidity (NTU)	5	0.16	0.08 - 0.35	14	0.21	0.05 - 0.81	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	5	<0.0005	<0.0005	14	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	5	<0.0002	<0.0002	14	0.0002	<0.0002	0.0100	
Barium (mg/L)	5	0.063	0.056 - 0.068	14	0.059	0.054 - 0.068	2.000	
Boron (mg/L)	5	0.010	0.009 - 0.011	14	0.010	0.008 - 0.012	5.000	
Cadmium (mg/L)	5	<0.00002	<0.00002	14	<0.00002	<0.00002	0.00700	
Chromium (mg/L)	5	<0.0002	<0.0002	14	0.0002	<0.0002	0.0500	
Lead (mg/L)	5	0.0005	<0.0002 - 0.0018	14	0.0003	<0.0002 - 0.0018	0.0050	
Selenium (mg/L)	5	0.0003	0.0002 - 0.0004	14	0.0003	0.0002 - 0.0004	0.0500	
Total Chlorine (mg/L)	5	1.93	1.73 - 2.06	14	1.90	1.55 - 2.11		1.00 - 2.40
Uranium (mg/L)	5	0.0006	<0.0005 - 0.0006	14	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)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	2.0	
Chlorobenzene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5	14.0	
Dichloromethane (µg/L)				1	<1.00	<1.00		
Ethylbenzene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total Xylenes (µg/L)	5	<1.0	<1.0	13	<1.0	<1.0	90.0 (20.0)	
Trichloroethylene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	5	15.7	9.0 - 21.2	13	13.3	8.3 - 21.2	100.0	50.0
Trihalomethanes (THMs), Total (µg/L)				1	17.3	17.3		
Vinyl Chloride (µg/L)	5	<1.0	<1.0	14	<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

February 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)	5	1.0	0.6 - 1.3	14	1.0	0.6 - 1.3		
Bromoform (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	5	14.5	8.3 - 19.6	14	12.5	7.1 - 19.6		
Dibromochloromethane (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,3) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Dichloroethylene, cis (1,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Dichloroethylene, trans (1,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	5	<0.5	<0.5	13	<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)	5	<0.5	<0.5	13	<0.5	<0.5	(15.0)	
Methyl-tert-butyl ether (MTBE) (µg/L)				1	<0.50	<0.50		
MIBK (µg/L)	5	<1.0	<1.0	13	<1.0	<1.0		
o-Xylene (µg/L)				1	<0.30	<0.30		
Styrene (µg/L)	5	<0.5	<0.5	14	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Total Volatile Organics (NonTHM) (µg/L)	5	1.2	<1.0 - 1.8	13	1.5	<1.0 - 3.1		
Trichlorobenzene (1,2,4) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Xylene (1,2) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		
Xylene (1,4) (µg/L)	5	<0.5	<0.5	13	<0.5	<0.5		

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	5	0.066	0.035 - 0.142	14	0.067	0.024 - 0.142	2.900 (0.100)	
Beryllium (mg/L)	5	<0.0002	<0.0002	14	0.0002	<0.0002		
Calcium (mg/L)	5	54.4	51.4 - 56.7	14	50.7	46.9 - 56.7		
Calcium Hardness Calculated (mg/L CaCO3)				1	126.0	126.0		
Cobalt (mg/L)	5	<0.0002	<0.0002	14	0.0002	<0.0002		
Copper (mg/L)	5	0.003	<0.002 - 0.005	14	0.003	<0.002 - 0.005	2.000 (1.000)	
Free Chlorine (mg/L)				1	<0.07	<0.07		
Iron (mg/L)	5	0.015	<0.005 - 0.040	14	0.023	<0.005 - 0.097	(0.300)	
Lithium (mg/L)	5	0.0039	0.0035 - 0.0043	14	0.0035	0.0031 - 0.0043		
Magnesium (mg/L)	5	16.3	15.1 - 17.2	14	15.2	13.9 - 17.2		
Manganese (mg/L)	5	0.002	<0.002	14	0.002	<0.002 - 0.004	0.120 (0.020)	
Molybdenum (mg/L)	5	0.0007	0.0006 - 0.0008	14	0.0006	0.0005 - 0.0008		
Nickel (mg/L)	5	<0.0005	<0.0005	14	0.0005	<0.0005 - 0.0006		
Phosphorus (mg/L)	5	1.00	0.94 - 1.04	14	1.00	0.89 - 1.04		
Potassium (mg/L)	5	0.8	0.7 - 0.8	14	0.7	0.6 - 0.8		
Silicon (mg/L)	5	2.49	2.13 - 2.72	14	2.28	1.93 - 2.72		
Silver (mg/L)	5	<0.00002	<0.00002	14	<0.00002	<0.00002		
Sodium (mg/L)	5	8.2	6.8 - 10.3	14	7.2	6.0 - 10.3	(200.0)	
Strontium (mg/L)	5	0.483	0.475 - 0.492	14	0.474	0.453 - 0.494	7.000	
Thallium (mg/L)	5	<0.0002	<0.0002	14	0.0002	<0.0002		
Tin (mg/L)	5	<0.0005	<0.0005	14	0.0005	<0.0005		
Titanium (mg/L)	5	<0.0005	<0.0005	14	0.0005	<0.0005		
Total Hardness Calculated (mg/L CaCO3)	5	202.8	190.0 - 211.0	13	189.3	176.0 - 211.0		
Vanadium (mg/L)	5	<0.0005	<0.0005	14	0.0005	<0.0005		
Zinc (mg/L)	5	<0.005	<0.005	14	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	5	<0.001	<0.001	14	0.001	<0.001		

2.2.8 Castledowns Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)	1	408.0	408.0	1	408.0	408.0		
pH	1	8	8	1	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.10 - 0.11	8	0.11	0.09 - 0.14	(3.00)	1.00
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	16.8	16.8	1	16.8	16.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	90.0 (20.0)	
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.065	0.065	1	0.065	0.065	2.000	
Boron (mg/L)	1	0.009	0.009	1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.11	0.11	1	0.11	0.11	1.00	
Chlorine total (mg/L)	4	2.01	1.92 - 2.10	8	2.02	1.92 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.65	0.65	1	0.65	0.65	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.12	0.12	1	0.12	0.12	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	1	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	

2.2.8 Castledowns Reservoir

February 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	1	128.0	128.0		
Aluminum (mg/L)	1	0.077	0.077	1	0.077	0.077	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.12	0.09 - 0.14	8	0.12	0.09 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	54.0	54.0	1	54.0	54.0		
Calcium Hardness (mg/L CaCO3)	1	135.0	135.0	1	135.0	135.0		
Chloride Dissolved (mg/L)	1	5.8	5.8	1	5.8	5.8	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	1	0.0036	0.0036		
Magnesium (mg/L)	1	16.7	16.7	1	16.7	16.7		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	1	0.0008	0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.88 - 0.96	8	0.92	0.88 - 0.96		
Phosphorus (mg/L)	1	0.98	0.98	1	0.98	0.98		
Potassium (mg/L)	1	0.8	0.8	1	0.8	0.8		
Silicon (mg/L)	1	2.43	2.43	1	2.43	2.43		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.7	7.7	1	7.7	7.7	(200.0)	
Strontium (mg/L)	1	0.466	0.466	1	0.466	0.466	7.000	
Sulphate Dissolved (mg/L)	1	74.7	74.7	1	74.7	74.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	204.0	204.0	1	204.0	204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.8 Castledowns Reservoir

February 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	1	1.0	1.0		
Bromoform (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Chloroform (µg/L)	1	15.7	15.7	1	15.7	15.7		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.5	1.5	1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		

2.2.9 Clareview Reservoir

February 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	366.0	366.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.10 - 0.13	8	0.11	0.08 - 0.13	(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	0.055	0.055	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.1	0.1		
Chlorine total (mg/L)	4	1.97	1.90 - 2.05	8	1.96	1.90 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
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	0.10	0.10		
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01		
Selenium (mg/L)				1	0.0002	0.0002	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	13.6	13.6	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)	

2.2.9 Clareview Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	123.0	123.0		
Aluminum (mg/L)				1	0.076	0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.10 - 0.15	8	0.14	0.10 - 0.16		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.05	<0.05		
Calcium (mg/L)				1	46.7	46.7		
Calcium Hardness (mg/L CaCO3)				1	117.0	117.0		
Chloride Dissolved (mg/L)				1	5.14	5.14		
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	(0.300)	
Lithium (mg/L)				1	0.0030	0.0030		
Magnesium (mg/L)				1	14.8	14.8		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0006	0.0006		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.86 - 0.92	8	0.90	0.86 - 0.92		
Phosphorus (mg/L)				1	0.93	0.93		
Potassium (mg/L)				1	0.7	0.7		
Silicon (mg/L)				1	1.92	1.92		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	6.5	6.5	(200.0)	
Strontium (mg/L)				1	0.479	0.479	7.000	
Sulphate Dissolved (mg/L)				1	60.8	60.8		
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	178.0	178.0		
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		

2.2.9 Clareview Reservoir

February 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		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	12.7	12.7		
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	1.0	1.0		
Total Volatile Organics (Non THM) (µg/L)				1	2.5	2.5		
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		

2.2.10 Discovery Park Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	0.8	0.8	(15.0)	10.0
Conductivity (µS/cm)				1	371.0	371.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.24	0.15 - 0.32	8	0.28	0.15 - 0.65	(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	0.059	0.059	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	<0.1	<0.1		
Chlorine total (mg/L)	4	1.44	1.16 - 1.67	8	1.60	1.16 - 1.87		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
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	0.10	0.10		
Nitrite (as N) dissolved (mg/L)				1	<0.01	<0.01		
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	12.6	12.6	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)	

2.2.10 Discovery Park Reservoir

February 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		
Aluminum (mg/L)				1	0.168	0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.16	0.14 - 0.20	8	0.15	0.12 - 0.20		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.05	<0.05		
Calcium (mg/L)				1	46.6	46.6		
Calcium Hardness (mg/L CaCO3)				1	116.0	116.0		
Chloride Dissolved (mg/L)				1	5.70	5.70		
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	(0.300)	
Lithium (mg/L)				1	0.0030	0.0030		
Magnesium (mg/L)				1	14.9	14.9		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0006	0.0006		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.98	8	0.94	0.90 - 0.98		
Phosphorus (mg/L)				1	1.04	1.04		
Potassium (mg/L)				1	0.7	0.7		
Silicon (mg/L)				1	1.92	1.92		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	6.7	6.7	(200.0)	
Strontium (mg/L)				1	0.480	0.480	7.000	
Sulphate Dissolved (mg/L)				1	61.7	61.7		
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	178.0	178.0		
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		

2.2.10 Discovery Park Reservoir

February 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	11.4	11.4		
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	0.9	0.9		
Total Volatile Organics (Non THM) (µg/L)				1	1.9	1.9		
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		

2.2.11 Kaskitayo Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	1.3	1.3	(15.0)	10.0
Conductivity (µS/cm)				1	375.0	375.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.10 - 0.21	8	0.11	0.07 - 0.21	(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	0.057	0.057	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	<0.1	<0.1		
Chlorine total (mg/L)	4	2.01	1.97 - 2.05	8	2.04	1.97 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.70	0.70	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	0.10	0.10		
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01		
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	9.4	9.4	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)	

2.2.11 Kaskitayo Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				1	116.0	116.0		
Aluminum (mg/L)				1	0.094	0.094	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.12	0.10 - 0.14	8	0.11	0.07 - 0.14		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)								
Calcium (mg/L)				1	48.0	48.0		
Calcium Hardness (mg/L CaCO3)				1	120.0	120.0		
Chloride Dissolved (mg/L)				1	5.43	5.43		
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	(0.300)	
Lithium (mg/L)				1	0.0031	0.0031		
Magnesium (mg/L)				1	14.9	14.9		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0006	0.0006		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.94	0.92 - 0.96	8	0.95	0.92 - 0.98		
Phosphorus (mg/L)				1	1.01	1.01		
Potassium (mg/L)				1	0.7	0.7		
Silicon (mg/L)				1	1.99	1.99		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	6.6	6.6	(200.0)	
Strontium (mg/L)				1	0.483	0.483	7.000	
Sulphate Dissolved (mg/L)				1	61.0	61.0		
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	181.0	181.0		
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		

2.2.11 Kaskitayo Reservoir

February 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	8.2	8.2		
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	0.9	0.9		
Total Volatile Organics (Non THM) (µg/L)				1	2.8	2.8		
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		

2.2.12 Londonderry Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.2	1.2	1	1.2	1.2	(15.0)	10.0
Conductivity (µS/cm)	1	407.0	407.0	1	407.0	407.0		
pH	1	8	8	1	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.10 - 0.18	8	0.12	0.09 - 0.18	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.064	0.064	1	0.064	0.064	2.000	
Boron (mg/L)	1	0.009	0.009	1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.20	0.20	1	0.20	0.20	1.00	
Chlorine total (mg/L)	4	2.00	1.97 - 2.03	8	1.99	1.96 - 2.03		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	1	0.68	0.68	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	1	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	18.5	18.5	1	18.5	18.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	90.0 (20.0)	

2.2.12 Londonderry Reservoir

February 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	1	130.0	130.0		
Aluminum (mg/L)	1	0.078	0.078	1	0.078	0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.12	0.11 - 0.13	8	0.14	0.11 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	53.3	53.3	1	53.3	53.3		
Calcium Hardness (mg/L CaCO3)	1	133.0	133.0	1	133.0	133.0		
Chloride Dissolved (mg/L)	1	5.1	5.1	1	5.1	5.1	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	1	0.0036	0.0036		
Magnesium (mg/L)	1	16.7	16.7	1	16.7	16.7		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	1	0.0008	0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.94	8	0.92	0.88 - 0.94		
Phosphorus (mg/L)	1	0.96	0.96	1	0.96	0.96		
Potassium (mg/L)	1	0.8	0.8	1	0.8	0.8		
Silicon (mg/L)	1	2.42	2.42	1	2.42	2.42		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.3	7.3	1	7.3	7.3	(200.0)	
Strontium (mg/L)	1	0.463	0.463	1	0.463	0.463	7.000	
Sulphate Dissolved (mg/L)	1	71.1	71.1	1	71.1	71.1	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	202.0	202.0	1	202.0	202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.12 Londonderry Reservoir

February 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	1	1.0	1.0		
Bromoform (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Chloroform (µg/L)	1	17.3	17.3	1	17.3	17.3		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.5	1.5	1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		

2.2.13 Millwoods Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.9	0.9	1	0.9	0.9	(15.0)	10.0
Conductivity (µS/cm)	1	401.0	401.0	1	401.0	401.0		
pH	1	8	8	1	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.10 - 0.11	8	0.10	0.08 - 0.11	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.064	0.064	1	0.064	0.064	2.000	
Boron (mg/L)	1	0.009	0.009	1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.14	0.14	1	0.14	0.14	1.00	
Chlorine total (mg/L)	4	2.03	1.99 - 2.10	8	2.05	1.99 - 2.10		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.66	0.66	1	0.66	0.66	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	1	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	16.7	16.7	1	16.7	16.7	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	90.0 (20.0)	

2.2.13 Millwoods Reservoir

February 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	1	130.0	130.0		
Aluminum (mg/L)	1	0.078	0.078	1	0.078	0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.11	0.10 - 0.12	7	0.11	0.10 - 0.13		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	53.5	53.5	1	53.5	53.5		
Calcium Hardness (mg/L CaCO3)	1	134.0	134.0	1	134.0	134.0		
Chloride Dissolved (mg/L)	1	5.5	5.5	1	5.5	5.5	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	1	0.0036	0.0036		
Magnesium (mg/L)	1	16.6	16.6	1	16.6	16.6		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	1	0.0008	0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.92 - 0.96	7	0.94	0.92 - 0.98		
Phosphorus (mg/L)	1	0.99	0.99	1	0.99	0.99		
Potassium (mg/L)	1	0.8	0.8	1	0.8	0.8		
Silicon (mg/L)	1	2.46	2.46	1	2.46	2.46		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.6	7.6	1	7.6	7.6	(200.0)	
Strontium (mg/L)	1	0.468	0.468	1	0.468	0.468	7.000	
Sulphate Dissolved (mg/L)	1	71.9	71.9	1	71.9	71.9	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	202.0	202.0	1	202.0	202.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.13 Millwoods Reservoir

February 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	1	0.7	0.7		
Bromoform (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Chloroform (µg/L)	1	15.7	15.7	1	15.7	15.7		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.5	1.5	1	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		

2.2.14 North Jasper Place Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	1.5	1.5	(15.0)	10.0
Conductivity (µS/cm)				1	378.0	378.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.14	8	0.11	0.09 - 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	0.057	0.057	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	<0.1	<0.1		
Chlorine total (mg/L)	4	1.82	1.80 - 1.83	8	1.85	1.74 - 2.18		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
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	0.11	0.11		
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01		
Selenium (mg/L)				1	0.0002	0.0002	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	11.9	11.9	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)	

2.2.14 North Jasper Place Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	118.5	117.0 - 120.0		
Aluminum (mg/L)				2	0.132	0.095 - 0.168	2.900 (0.100)	
Ammonia as NH3 (mg/L)	8	0.15	0.10 - 0.20	16	0.14	0.10 - 0.20		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.05	<0.05		
Calcium (mg/L)				2	46.3	45.9 - 46.6		
Calcium Hardness (mg/L CaCO3)				2	115.5	115.0 - 116.0		
Chloride Dissolved (mg/L)				2	5.68	5.65 - 5.70		
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	0.005	<0.005 - 0.005	(0.300)	
Lithium (mg/L)				2	0.0030	0.0029 - 0.0030		
Magnesium (mg/L)				2	14.8	14.7 - 14.9		
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				2	0.0006	0.0006		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	8	0.93	0.90 - 0.98	16	0.94	0.90 - 0.98		
Phosphorus (mg/L)				2	1.00	0.96 - 1.04		
Potassium (mg/L)				2	0.7	0.7		
Silicon (mg/L)				2	1.91	1.90 - 1.92		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	6.7	6.6 - 6.7	(200.0)	
Strontium (mg/L)				2	0.474	0.467 - 0.480	7.000	
Sulphate Dissolved (mg/L)				2	61.6	61.5 - 61.7		
Thallium (mg/L)				2	<0.0002	<0.0002		
Tin (mg/L)				2	<0.0005	<0.0005		
Titanium (mg/L)				2	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)				2	176.5	175.0 - 178.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	
Zirconium (mg/L)				2	<0.001	<0.001		

2.2.14 North Jasper Place Reservoir

February 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	10.7	10.7		
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	1.0	1.0		
Total Volatile Organics (Non THM) (µg/L)				1	1.9	1.9		
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		

2.2.15 Ormsby Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)	1	418.0	418.0	1	418.0	418.0		
pH	1	8	8	1	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.08 - 0.11	8	0.09	0.08 - 0.11	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.064	0.064	1	0.064	0.064	2.000	
Boron (mg/L)	1	0.009	0.009	1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.12	0.12	1	0.12	0.12	1.00	
Chlorine total (mg/L)	4	2.01	1.97 - 2.10	8	2.05	1.97 - 2.11		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.64	0.64	1	0.64	0.64	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	1	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	16.5	16.5	1	16.5	16.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	90.0 (20.0)	

2.2.15 Ormsby Reservoir

February 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	1	130.0	130.0		
Aluminum (mg/L)	1	0.082	0.082	1	0.082	0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.11	0.08 - 0.14	8	0.12	0.08 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	52.6	52.6	1	52.6	52.6		
Calcium Hardness (mg/L CaCO3)	1	131.0	131.0	1	131.0	131.0		
Chloride Dissolved (mg/L)	1	5.7	5.7	1	5.7	5.7	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	1	0.0035	0.0035		
Magnesium (mg/L)	1	16.6	16.6	1	16.6	16.6		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0007	0.0007	1	0.0007	0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.96	8	0.93	0.90 - 0.96		
Phosphorus (mg/L)	1	0.97	0.97	1	0.97	0.97		
Potassium (mg/L)	1	0.8	0.8	1	0.8	0.8		
Silicon (mg/L)	1	2.38	2.38	1	2.38	2.38		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.7	7.7	1	7.7	7.7	(200.0)	
Strontium (mg/L)	1	0.473	0.473	1	0.473	0.473	7.000	
Sulphate Dissolved (mg/L)	1	71.7	71.7	1	71.7	71.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	200.0	200.0	1	200.0	200.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.15 Ormsby Reservoir

February 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	1	0.8	0.8		
Bromoform (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Chloroform (µg/L)	1	15.5	15.5	1	15.5	15.5		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.4	1.4	1	1.4	1.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		

2.2.16 Papaschase Reservoir 1

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	1.0	1.0	1	1.0	1.0	(15.0)	10.0
Conductivity (µS/cm)	1	405.0	405.0	1	405.0	405.0		
pH	1	8	8	1	8	8		7 - 8
Turbidity (NTU)	4	0.12	0.08 - 0.14	8	0.11	0.08 - 0.14	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.062	0.062	1	0.062	0.062	2.000	
Boron (mg/L)	1	0.009	0.009	1	0.009	0.009	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.22	0.22	1	0.22	0.22	1.00	
Chlorine total (mg/L)	4	1.87	1.81 - 1.89	8	1.86	1.81 - 1.89		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.69	0.69	1	0.69	0.69	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0050	
Mercury (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002	0.0010	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	1	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.01	0.01	1	0.01	0.01	1.00	
Selenium (mg/L)	1	0.0003	0.0003	1	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	1	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	2.0	
Chlorobenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	14.0	
Ethylbenzene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	18.5	18.5	1	18.5	18.5	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	2.0	
Xylenes total (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0	90.0 (20.0)	

2.2.16 Papaschase Reservoir 1

February 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	1	130.0	130.0		
Aluminum (mg/L)	1	0.082	0.082	1	0.082	0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.14	0.12 - 0.16	7	0.15	0.12 - 0.16		
Beryllium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	1	<0.03	<0.03		
Calcium (mg/L)	1	52.8	52.8	1	52.8	52.8		
Calcium Hardness (mg/L CaCO3)	1	132.0	132.0	1	132.0	132.0		
Chloride Dissolved (mg/L)	1	5.1	5.1	1	5.1	5.1	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.010	0.010	1	0.010	0.010	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	1	0.0036	0.0036		
Magnesium (mg/L)	1	16.3	16.3	1	16.3	16.3		
Manganese (mg/L)	1	<0.002	<0.002	1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)	1	0.0008	0.0008	1	0.0008	0.0008		
Nickel (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	7	0.91	0.90 - 0.94		
Phosphorus (mg/L)	1	0.95	0.95	1	0.95	0.95		
Potassium (mg/L)	1	0.8	0.8	1	0.8	0.8		
Silicon (mg/L)	1	2.38	2.38	1	2.38	2.38		
Silver (mg/L)	1	<0.00002	<0.00002	1	<0.00002	<0.00002		
Sodium (mg/L)	1	7.3	7.3	1	7.3	7.3	(200.0)	
Strontium (mg/L)	1	0.468	0.468	1	0.468	0.468	7.000	
Sulphate Dissolved (mg/L)	1	69.3	69.3	1	69.3	69.3	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	1	<0.0002	<0.0002		
Tin (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Titanium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Total Hardness (mg/L CaCO3)	1	199.0	199.0	1	199.0	199.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	1	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	1	<0.005	<0.005	(5.000)	
Zirconium (mg/L)	1	<0.001	<0.001	1	<0.001	<0.001		

2.2.16 Papaschase Reservoir 1

February 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	1	0.8	0.8		
Bromoform (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Chloroform (µg/L)	1	17.5	17.5	1	17.5	17.5		
Dibromochloromethane (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene cis (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5	(15.0)	
Styrene (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.4	1.4	1	1.4	1.4		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	1	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	1	<0.5	<0.5		

2.2.17 Papaschase Reservoir 2

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	0.8	0.8	(15.0)	10.0
Conductivity (µS/cm)				1	371.0	371.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.11	0.09 - 0.14	8	0.10	0.08 - 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	0.057	0.057	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	0.1	0.1		
Chlorine total (mg/L)	4	2.01	1.97 - 2.03	8	2.01	1.97 - 2.05		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
Chromium (mg/L)				1	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				1	0.72	0.72	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	0.10	0.10		
Nitrite (as N) dissolved (mg/L)				1	0.01	0.01		
Selenium (mg/L)				1	0.0003	0.0003	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	12.5	12.5	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)	

2.2.17 Papaschase Reservoir 2

February 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		
Aluminum (mg/L)				1	0.083	0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.11 - 0.14	8	0.13	0.10 - 0.14		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.05	<0.05		
Calcium (mg/L)				1	46.3	46.3		
Calcium Hardness (mg/L CaCO3)				1	116.0	116.0		
Chloride Dissolved (mg/L)				1	4.96	4.96		
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	(0.300)	
Lithium (mg/L)				1	0.0030	0.0030		
Magnesium (mg/L)				1	14.9	14.9		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0006	0.0006		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.94	8	0.91	0.90 - 0.94		
Phosphorus (mg/L)				1	0.94	0.94		
Potassium (mg/L)				1	0.7	0.7		
Silicon (mg/L)				1	1.89	1.89		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	6.3	6.3	(200.0)	
Strontium (mg/L)				1	0.483	0.483	7.000	
Sulphate Dissolved (mg/L)				1	60.1	60.1		
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	177.0	177.0		
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		

2.2.17 Papaschase Reservoir 2

February 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		
Bromoform (µg/L)				1	<0.5	<0.5		
Chloroform (µg/L)				1	11.2	11.2		
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	0.9	0.9		
Total Volatile Organics (Non THM) (µg/L)				1	2.0	2.0		
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		

2.2.18 Rosslyn Reservoir 1

February 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)	2	0.11	0.09 - 0.12	6	0.10	0.08 - 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)	2	1.98	1.94 - 2.02	6	1.93	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

February 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)	2	0.12	0.10 - 0.14	6	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)	2	0.91	0.88 - 0.94	6	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

February 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

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.9	0.9	2	0.8	0.7 - 0.9	(15.0)	10.0
Conductivity (µS/cm)	1	402.0	402.0	2	393.5	385.0 - 402.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.08 - 0.11	8	0.10	0.08 - 0.11	(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	0.058 - 0.062	2.000	
Boron (mg/L)	1	0.009	0.009	2	0.009	0.008 - 0.009	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	0.16	0.16	2	0.13	0.1 - 0.16	1.00	
Chlorine total (mg/L)	4	1.85	1.83 - 1.87	8	1.82	1.68 - 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	0.67	0.67	2	0.66	0.64 - 0.67	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	0.09	0.09	2	0.10	0.09 - 0.10	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	0.0003	0.0500	
Uranium (mg/L)	1	0.0006	0.0006	2	0.0006	0.0005 - 0.0006	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	10.4	10.4	2	11.9	10.4 - 13.3	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)	

2.2.19 Rosslyn Reservoir 2

February 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	2	124.5	121.0 - 128.0		
Aluminum (mg/L)	1	0.085	0.085	2	0.080	0.074 - 0.085	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.11 - 0.14	8	0.15	0.11 - 0.18		
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	51.7	51.7	2	49.6	47.5 - 51.7		
Calcium Hardness (mg/L CaCO3)	1	129.0	129.0	2	123.5	118.0 - 129.0		
Chloride Dissolved (mg/L)	1	5.4	5.4	2	5.42	5.40 - 5.44	(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	16.3	16.3	2	15.6	14.9 - 16.3		
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	0.0006 - 0.0007		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.86 - 0.94	8	0.91	0.86 - 0.94		
Phosphorus (mg/L)	1	0.96	0.96	2	0.96	0.95 - 0.96		
Potassium (mg/L)	1	0.8	0.8	2	0.8	0.7 - 0.8		
Silicon (mg/L)	1	2.26	2.26	2	2.09	1.91 - 2.26		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	7.4	7.4	2	7.1	6.7 - 7.4	(200.0)	
Strontium (mg/L)	1	0.474	0.474	2	0.476	0.474 - 0.478	7.000	
Sulphate Dissolved (mg/L)	1	69.3	69.3	2	65.3	61.3 - 69.3	(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	196.0	196.0	2	188.0	180.0 - 196.0		
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		

2.2.19 Rosslyn Reservoir 2

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	<0.5	<0.5	2	0.9	<0.5 - 1.2		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	9.8	9.8	2	11.0	9.8 - 12.1		
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	1.3	1.3	2	1.2	1.0 - 1.3		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	1.7	<1.0 - 2.4		
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		

2.2.20 Thorncliff Reservoir

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				1	0.6	0.6	(15.0)	10.0
Conductivity (µS/cm)				1	377.0	377.0		
pH				1	8	8		7 - 8
Turbidity (NTU)	4	0.13	0.11 - 0.17	8	0.11	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	0.057	0.057	2.000	
Boron (mg/L)				1	0.008	0.008	5.000	
Bromate Dissolved (mg/L)				1	<0.003	<0.003		
Cadmium (mg/L)				1	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				1	<0.1	<0.1		
Chlorine total (mg/L)	4	1.87	1.87	8	1.89	1.86 - 1.94		1.00 - 2.40
Chlorite Dissolved (mg/L)				1	<0.2	<0.2		
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	0.11	0.11		
Nitrite (as N) dissolved (mg/L)				1	<0.01	<0.01		
Selenium (mg/L)				1	0.0002	0.0002	0.0500	
Uranium (mg/L)				1	0.0005	0.0005	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	12.2	12.2	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)	

2.2.20 Thorncliff Reservoir

February 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		
Aluminum (mg/L)				1	0.095	0.095	2.900 (0.100)	
Ammonia as NH3 (mg/L)	4	0.13	0.09 - 0.15	8	0.13	0.09 - 0.15		
Beryllium (mg/L)				1	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				1	<0.05	<0.05		
Calcium (mg/L)				1	46.5	46.5		
Calcium Hardness (mg/L CaCO3)				1	116.0	116.0		
Chloride Dissolved (mg/L)				1	5.65	5.65		
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	(0.300)	
Lithium (mg/L)				1	0.0029	0.0029		
Magnesium (mg/L)				1	14.8	14.8		
Manganese (mg/L)				1	<0.002	<0.002	0.120 (0.020)	
Molybdenum (mg/L)				1	0.0006	0.0006		
Nickel (mg/L)				1	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.88 - 0.94	8	0.93	0.88 - 0.96		
Phosphorus (mg/L)				1	0.94	0.94		
Potassium (mg/L)				1	0.7	0.7		
Silicon (mg/L)				1	1.87	1.87		
Silver (mg/L)				1	<0.00002	<0.00002		
Sodium (mg/L)				1	6.6	6.6	(200.0)	
Strontium (mg/L)				1	0.475	0.475	7.000	
Sulphate Dissolved (mg/L)				1	61.6	61.6		
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	177.0	177.0		
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		

2.2.20 Thorncliff Reservoir

February 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	11.1	11.1		
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	1.0	1.0		
Total Volatile Organics (Non THM) (µg/L)				1	2.0	2.0		
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		

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	34	250.3	21.3 - 2802.0	70	333.9	21.3 - 7308.0
Cryptosporidium (oocysts/100L)	2	<1	<1	4	<32.29	<1 - 32.3
E. coli (MPN/100 mL)	34	15.4	1.0 - 71.2	70	62.6	1.0 - 3328.0
Giardia (cysts/100L)	2	7.5	1 - 13.9	4	13.9	<1.64 - 32.3
Physical						
Colour (TCU)	56	4.5	2.6 - 5.8	118	3.7	2.4 - 5.8
Conductivity (µS/cm)	8	391.4	353.0 - 412.0	16	373.8	345.0 - 412.0
pH	2	8	8	4	8	8
Total Dissolved Solids (mg/L)	2	242.00	238.00 - 246.00	4	221.25	198.00 - 246.00
Total Suspended Solids (mg/L)	2	1.4	<1.0 - 1.7	4	1.7	<1.0 - 1.7
Turbidity (NTU)	56	1.96	1.04 - 4.27	118	1.86	1.04 - 4.27
Primary Inorganics						
Antimony (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Arsenic (mg/L)	2	0.0003	0.0003	4	0.0003	<0.0002 - 0.0003
Arsenic dissolved (mg/L)	2	0.0002	0.0002	4	0.0002	<0.0002 - 0.0002
Barium (mg/L)	2	0.070	0.069 - 0.071	4	0.064	0.056 - 0.071
Barium dissolved (mg/L)	2	0.071	0.070 - 0.071	4	0.063	0.055 - 0.071
Boron (mg/L)	2	0.010	0.010	4	0.009	0.008 - 0.010
Boron dissolved (mg/L)	2	0.010	0.010	4	0.010	0.009 - 0.010
Bromate Dissolved (mg/L)	8	<0.005	<0.005	16	<0.005	<0.003 - <0.005
Cadmium (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	8	<0.01	<0.01	16	<0.1	<0.01 - <0.1
Chlorine total (mg/L)	2	<0.03	<0.03	4	<0.03	<0.03
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	16	<0.2	<0.005 - <0.2
Chromium (mg/L)	2	0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Cyanide (mg/L)	2	<0.002	<0.002	2	<0.002	<0.002
Fluoride (mg/L)	8	0.12	0.09 - 0.14	16	0.11	0.09 - 0.14
Lead (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Lead dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Mercury (µg/L)	2	<0.0050	<0.0050	2	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Mercury dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.09	0.08 - 0.11	14	0.09	0.08 - 0.11
Nitrite (as N) dissolved (mg/L)	8	<0.01	<0.01	14	<0.01	<0.01
Selenium (mg/L)	2	0.0003	0.0003	4	0.0003	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	0.0003	0.0003	4	0.0003	0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	0.0006	4	0.0006	0.0005 - 0.0006
Uranium dissolved (mg/L)	2	0.0006	0.0006	4	0.0006	0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)	2	<0.250	<0.250	2	<0.250	<0.250
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)	2	<0.250	<0.250	2	<0.250	<0.250
Atrazine + metabolites (µg/L)	2	<0.10	<0.10	2	<0.10	<0.10
Benzene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)	2	<0.005	<0.005	2	<0.005	<0.005
Bromoxynil (µg/L)	2	<0.250	<0.250	2	<0.250	<0.250
Carbon Tetrachloride (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)	2	<0.10	<0.10	2	<0.10	<0.10
Cyanazine (µg/L)	2	<0.100	<0.100	2	<0.100	<0.100
Diazinon (µg/L)	2	<0.0250	<0.0250	2	<0.0250	<0.0250
Dicamba (µg/L)	2	<0.50	<0.50	2	<0.50	<0.50
Dichlorobenzene (1,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichlorobenzene (1,4) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)	2	<0.20	<0.20	2	<0.20	<0.20
Diclofop-methyl (µg/L)	2	<0.100	<0.100	2	<0.100	<0.100
Dimethoate (µg/L)	2	<0.050	<0.050	2	<0.050	<0.050
Diquat (µg/L)	2	<1.0	<1.0	2	<1.0	<1.0
Diuron (µg/L)	2	<0.050	<0.050	2	<0.050	<0.050
Ethylbenzene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Glyphosate (µg/L)	2	<0.20	<0.20	2	<0.20	<0.20
Malathion (µg/L)	2	<0.0250	<0.0250	2	<0.0250	<0.0250
Methylene Chloride (Dichloromethane) (µg/L)	56	<0.5	<0.5	118	<1.00	<0.5 - <1.00
Metolachlor (µg/L)	2	<0.0250	<0.0250	2	<0.0250	<0.0250
Metribuzin (µg/L)	2	<0.100	<0.100	2	<0.100	<0.100
Microcystin total (µg/L)	2	<0.15	<0.15	2	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)	2	<0.4	<0.4	2	<0.4	<0.4
Omethoate (as dimethoate) (µg/L)	2	<0.16	<0.16	2	<0.16	<0.16
Pentachlorophenol (µg/L)	2	<0.50	<0.50	2	<0.50	<0.50
Phorate (µg/L)	2	<0.250	<0.250	2	<0.250	<0.250
Picloram (µg/L)	2	<0.50	<0.50	2	<0.50	<0.50
Simazine (µg/L)	2	<0.100	<0.100	2	<0.100	<0.100
Terbufos (µg/L)	2	<0.50	<0.50	2	<0.50	<0.50
Tetrachloroethylene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Tetrachlorophenol (2,3,4,6) (µg/L)	2	<0.50	<0.50	2	<0.50	<0.50
Toluene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)	2	<0.20	<0.20	2	<0.20	<0.20
Trifluralin (µg/L)	2	<0.10	<0.10	2	<0.10	<0.10
Trihalomethanes (µg/L)	56	<1.0	<1.0	118	<1.0	<1.0
Vinyl Chloride (µg/L)	56	<1.0	<1.0	118	<1.0	<0.50 - <1.0
Xylenes total (µg/L)	56	<1.0	<1.0	118	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Organics						
Bromodichloromethane (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Bromoform (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Chloroform (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	56	<1.0	<1.0	118	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Styrene (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	8	1.5	1.2 - 1.8	16	1.3	0.9 - 1.8
Total Volatile Organics (Non THM) (µg/L)	56	1.2	<1.0 - 2.3	114	1.4	<1.0 - 2.9
Trichlorobenzene (1,2,4) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	56	<0.5	<0.5	118	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	56	<0.5	<0.5	118	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	56	<0.5	<0.5	118	<0.5	<0.40 - <0.5

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)	2	<3	<3	4	<3	<3
Alkalinity total (mg CaCO3/L)	8	134.5	126.0 - 141.0	16	128.3	115.0 - 141.0
Aluminum (mg/L)	2	0.109	0.078 - 0.139	4	0.114	0.078 - 0.156
Ammonia as NH3 (mg/L)	28	<0.05	<0.05	58	0.05	<0.05 - 0.07
Beryllium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Bromide Dissolved (mg/L)	8	<0.03	<0.03	16	<0.05	<0.03 - <0.05
Calcium (mg/L)	2	54.0	53.4 - 54.5	4	50.1	46.0 - 54.5
Calcium Hardness (mg/L CaCO3)	8	128.8	116.0 - 136.0	16	122.8	115.0 - 136.0
Chloride Dissolved (mg/L)	8	1.1	0.5 - 4.4	16	0.92	0.50 - 4.40
Chlorine free (mg/L)	2	<0.07	<0.07	4	<0.07	<0.07
Cobalt (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Copper (mg/L)	2	0.004	<0.002 - 0.005	4	0.004	<0.002 - 0.006
Iron (mg/L)	2	0.097	0.063 - 0.131	4	0.100	0.063 - 0.139
Lanthanum (mg/L)	2	<0.001	<0.001	4	<0.001	<0.001
Lithium (mg/L)	2	0.0038	0.0038	4	0.0034	0.0030 - 0.0038
Magnesium (mg/L)	2	17.2	17.0 - 17.3	4	15.7	14.2 - 17.3
Manganese (mg/L)	2	0.003	<0.002 - 0.004	4	0.003	<0.002 - 0.004
Molybdenum (mg/L)	2	0.0008	0.0008	4	0.0007	0.0005 - 0.0008
Nickel (mg/L)	2	0.0007	0.0006 - 0.0007	4	0.0006	<0.0005 - 0.0007
Nitrogen Total Kjeldahl (TKN) (mg/L N)	2	0.2	0.1 - 0.2	4	0.1	<0.1 - 0.2
Phosphate Ortho (as P) (mg/L as P)	2	<0.02	<0.02	4	<0.02	<0.02
Phosphorus (mg/L)	2	0.02	0.02	4	0.02	<0.02 - 0.02
Potassium (mg/L)	2	0.8	0.8	4	0.7	0.6 - 0.8
Silicon (mg/L)	2	2.42	2.37 - 2.46	4	2.17	1.88 - 2.46
Silver (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Sodium (mg/L)	2	4.0	3.9 - 4.1	4	3.6	2.8 - 4.1
Strontium (mg/L)	2	0.483	0.481 - 0.485	4	0.475	0.464 - 0.485
Sulphate Dissolved (mg/L)	8	66.9	59.8 - 70.3	16	62.7	56.4 - 70.3
Sulphide (mg/L)	2	<0.0015	<0.0015	2	<0.0015	<0.0015
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	0.0021	0.0013 - 0.0028	4	0.0024	0.0013 - 0.0036
Total Hardness (mg/L CaCO3)	8	194.0	178.0 - 202.0	16	185.6	168.0 - 202.0
Total Kjeldahl (TKN) (mg/L)	4	0.11	<0.07 - 0.15	4	0.11	<0.07 - 0.15
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 - 0.006
Zirconium (mg/L)	2	<0.001	<0.001	4	<0.001	<0.001

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

February 2025

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	<0.005	<0.005	4	0.006	<0.005 - 0.007
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Calcium dissolved (mg/L)	2	55.6	55.5 - 55.6	4	50.8	45.7 - 55.6
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Copper dissolved (mg/L)	2	0.003	<0.002 - 0.003	4	0.003	<0.002 - 0.005
Iron dissolved (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005
Lanthanum Dissolved (mg/L)	2	<0.001	<0.001	4	<0.001	<0.001
Lithium dissolved (mg/L)	2	0.0039	0.0038 - 0.0039	4	0.0034	0.0028 - 0.0039
Magnesium dissolved (mg/L)	2	17.1	17.0 - 17.2	4	15.7	14.2 - 17.2
Manganese dissolved (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Molybdenum dissolved (mg/L)	2	0.0008	0.0008	4	0.0007	0.0005 - 0.0008
Nickel dissolved (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Phosphorus dissolved (mg/L)	2	<0.02	<0.02	4	<0.02	<0.02
Potassium dissolved (mg/L)	2	0.8	0.8	4	0.7	0.6 - 0.8
Silicon dissolved (mg/L)	2	2.32	2.31 - 2.33	4	2.02	1.65 - 2.33
Silver dissolved (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	4.0	4.0	4	3.6	2.8 - 4.0
Strontium dissolved (mg/L)	2	0.480	0.475 - 0.484	4	0.472	0.460 - 0.484
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Tin dissolved (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Titanium dissolved (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	4	<0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	4	0.005	<0.005 - 0.005
Zirconium dissolved (mg/L)	2	<0.001	<0.001	4	<0.001	<0.001