EDMONTON WATERWORKS MONTHLY REPORT

April 2026

PROVIDING MORE EPCOR

DATE May 29, 2026

FROM Jonathan Gelinas, Senior Manager, WTP Operations
Paul Jacquier, Senior Manager Analytical Operations

REPORT DISTRIBUTION

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Dr. Chris Sikora, Zone Lead Medical Officer of Health
Tony Thepsouvanh, Alberta Health Services
Alberta Environment and Protected Areas

SUBJECT: Edmonton Waterworks Monthly Report

Please find attached the Edmonton Waterworks Monthly Report for April 2026 as a pdf file.

JG/jk

PJ/kg

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2.0 WATER QUALITY

1.1.1 Operations – Rossdale and E.L. Smith Plants

Plant Bypasses

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

In April, Rossdale Plant had zero planned shutdown and zero bypasses.

Date	Type	Bypass Description

In April, E.L. Smith Plant had 2 planned shutdowns and 1 bypass.

Date	Type	Bypass Description
April 15	Planned	21.15 hours - Plant was shut down for planned maintenance and project work on Waste Stream 2
April 23	Unplanned	0.35 hours – bypass due to high pH
April 29	Planned	22.52 hours Plant was shut down for planned maintenance and project work on Waste Stream 2

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

Chemical Dosing Highlights

In April, 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 – April 2026

EPCOR Incident Number	Description	Date of Incident	AEPA Reference Number
ENV-20260409-540159-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. The lab results for tested water quality parameters were acceptable.	April 9, 2026	451857
ENV-20260413-074572-v1	About 181 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	April 13, 2026	451969
ENV-20260418-312190	Samples were taken from a residence as part of the voluntary home sampling program. Several water quality parameters are tested for and the Total Coliform sample failed. Re-samples were taken both upstream and downstream including the original failed sample location and all parameters passed.	April 17, 2026	452148
ENV-20260422-601377-v1	About 234 m^3 of potable chlorinated water at +/-1.5ppm was released to the surface due to a suspected leak within the water distribution system buried underground. The water drained to the nearby catch basin. Dechlorination pucks were placed in the path of water and the water entry point into the drainage infrastructure to dechlorinate the water. The leak was isolated until the repair was completed. The lab results for tested water quality parameters were acceptable.	April 22, 2026	4522336

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)		
V. Campbell	**Director, Edmonton Water Treatment Plants**	
J. Gelinas	**Senior Manager, Operations**	
D. Noble	**Manager, Operations**	**WT III, WWT III**
Employee Name	Title	Alberta Environment Certification Level
G. Kim	Operations Engineer	
N. Dmytruk	Manager, Transmission Operations & Training	WT III
N. Spitzer	Operator Foreman	WT IV
N. Kokotyn	HEI Foreman	WT IV
L. Bilsky	Operator Foreman	WT IV
P. Crane	Operator Foreman	WT IV
A. Reichert	Transmission Foreman	WT III
M. Olivares	Training Foreman	WT III
D. Anderson	Lead Operator	WT II
K. Zacharko	Transmisison Operator	WT III
S. Horsfield	Water Operator	WT II
D. Cunningham	Water Operator	WT III
J. Jiang	Water Operator	WT III
H. Quan	Operations Trainer	WT III
D. Diprose	Day Foreman	WT IV
R. Lacerda	Operator Foreman	WT III
B. Moore	Operator Foreman	WT III
M. Atsbaha	Water Operator	WT III
R. Mota	Water Operator	WT III
L. Stables	Lead Operator	WT IV
J. Fiorillo	Lead Operator	WT III
B. Cholewa	Water Operator	WT III, WD II
A. Way	Water Operator	WT III, WWT III
L. Gibson	Water Operator	WT III
B. Roblin	Water Operator	WT II
R. Boyd	Water Operator	WT II, WD II, WWT II, WWC II
R. McGee	Water Operator	WT II, WD I
A. Gall	Water Operator	WT II, WD II, WWT I, WWC II
K. van Mullins	Water Operator	WT I, WD I, WWT I, WWC I
M. Shaw	Water Operator	WT I
J. Dmytruk	Water Operator	Non-certified

1.1.3 Alberta Environment Operator Certifications

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E.L. SMITH TREATMENT PLANT (LEVEL IV)

V. Campbell	**Director, Edmonton Water Treatment Plants**	
J. Gelinas	**Senior Manager, Operations**	
A. Abdille	**Manager, Operations**	
Employee Name	Title	Alberta Environment Certification Level
G. Afacan	Operations Engineer	WWC I
R. Mykityshyn	Day Foreman	WT IV
D. D'Angelo	HEI Foreman	WT IV
K. Leahm	Training Foreman	WT IV
M. Saggu	Operator Foreman	WT IV
L. Davenport	Operator Foreman	WT IV
P. Sipek	Operator Foreman	WT III
D. Adams	Operator Foreman	WT IV
G. Hao	Operator Foreman	WT IV
S. Saggu	Lead Operator	WT IV
V. Doria	Lead Operator	WT IV
B. Barth	Lead Operator	WT II
A. Burton	Lead Operator	WT III
P. Gammie	Lead Operator	WT III
L. Ironside	Lead Operator	WT II, WD II, WWT I, WWC I
C. Jungling	Water Operator	WT III
D. McGorman	Water Operator	WT III, WWT II,
K. Cawthorpe	Water Operator	WT III
A. Carter	Water Operator	WT III, WWT III
W. Navarrete	Water Operator	WT II, WD I, WWT II, WWC I
L. Boyko	Water Operator	Non-certified
B. Odutayo	Water Operator	Non-certified

1.1.3 Alberta Environment Operator Certifications

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DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - CONSTRUCTION

C.Caputo	**Senior Manager, Maintenance and Construction**
S. Rajendra	**Manager, Distribution Maintenance**
A.Kalfakchiyan	**Manager, Dist. Maint Schedule**

Employee Name	Title	Alberta Environment Certification Level
M. Bureaud	Water Network Operator	WD IV WWC I
C. Smallwood	Water Network Operator	WD IV
D. George	Foreman III	WD III
J. Petraschuk	Foreman III	WD III
D. Roy	Foreman III	WD III
M. Gill	Foreman III	WD III
Z. Krudys	Foreman III	WD III
M. Alexander	Foreman I	WD III WWC I
S. Bigelow	Foreman I	WD III
C. Diouf	Foreman I	WD IV
K. Fulmer	Foreman I	WD II
R. Hewitt	Foreman I	WD II
C. Kerychuk	Foreman I	WD II
R. MacInnes	Foreman I	WD II
J. Mahan	Foreman I	WD II
P. McIntosh	Foreman I	WD II
S. Moore	Foreman I	WD III
S. Paquette	Foreman I	WD II
L. Richardson	Foreman I	WD II
D. Specht	Foreman I	WD II
B. Goebel	Foreman I	WD II
A. Bellis	Equipment Operator III	WD II
B. Berkenbosch	Equipment Operator III	WD I
E. Bryant	Equipment Operator III	WD II
B. Claydon	Equipment Operator III	WD I
J. Freeman	Equipment Operator III	WD II
M. Hamilton	Equipment Operator III	WD I
M. Huisman	Equipment Operator III	WD I
N. Lentz	Equipment Operator III	WD II
A. Millard	Equipment Operator III	WD II
B. McCrary	Equipment Operator III	WD II
D. Shlamp	Equipment Operator III	WD II
D. Whitefield	Equipment Operator III	WD II
D. Aube	Labourer II	WD II
T. Budd	Labourer II	WD I
A. Belmonte	Labourer II	WD I
K. Bent	Labourer II	WD I
C. Embree	Labourer II	WD I
M. Giampa	Labourer II	WD I
C. Goruk	Labourer III	WD III
S. Hennebury	Labourer II	WD I

M. Hicks	Labourer III	WD I
T. Hovind	Labourer II	WD I
J. Jaimes	Labourer II	WD I
P. Kroetsch	Labourer II	WD I
D. Maclean	Labourer II	WD I

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

C.Caputo **Senior Manager, Maintenance and Construction**
S.Rajendra **Manager, Maintenance and Construction**
A.Kalfakchiyan **Manager, Dist. Maint Scheduling**

Employee Name	Title	Alberta Environment Certification Level
M. Mazzon	Labourer III	WD I
C. Penner	Labourer II	WD I
P. Kroetsch	Labourer II	WD II
D. Smith	Labourer II	WD I WWC I
R. Morley	Labourer II	WD II WWC I WT I WWT I
J. Waughtal	Truck Driver III	WD II
D. Wright	Labourer II	WD II
G. Buss	Truck Driver III	WD II
D. Catena	Truck Driver III	WD II
J. Perry	Truck Driver III	WD I
S. Wolf	Truck Driver III	WD I
R. Denesik	Welder	WD II
D. Lavallee	Maintenance Repairman I	WD II
C. MacKenzie	Maintenance Repairman I	WD I
C. Skogg	Maintenance Repairman I	WD I
A. Blower	Labourer II	WD I
C. Nimchuk	Foreman I	WD I
R. MacDonald	Water Sys Tech Support Specialist	WD II
S. Kostiuk	Water Sys Tech Support Specialist	WD IV

1.1.3 Alberta Environment Operator Certifications

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DISTRIBUTION SYSTEM (LEVEL IV FACILITY)

WATER DISTRIBUTION (WD) - SYSTEMS MAINTENANCE

A.Grant	**Senior Manager, Distribution Operations**	
P.Chieng	**Manager, Field Operations**	
K.Aspden	**Manager, Metering and Preventative Maintenance**	**WD I**
B. Nakonechny	**Manager, Water Trouble**	**WD III**
Employee Name	Title	Alberta Environment Certification Level
M. Tithecott	Foreman III	WD IV, WWC I
D. Bernardo	Foreman III	WD IV
R. Ferleyko	Foreman I	WD II
M. Ruryk	Foreman I	WD II
M. Cramer	Labourer III	WD II
B. Bourlai	Labourer III	WD I
S. El Ageli	Labourer III	WD I
N. Toonen	Labourer III	WD II
D. Villanueva	Labourer III	WD I
B. Stewart	Foreman I	WD I
C. Gubersky	Labourer II	WD I
I. Filo	Labourer II	WD II
J. Fox	Labourer II	WD I
S. Lupaschuk	Foreman I	WD II
J. Ngandjui	Labourer II	WD II
J. Torres	Labourer II	WD I
C. Ursuliak	Labourer III	WD I
C. Wildeboer	Labourer II	WD II WWC I
M. Ljuden	Labourer II	WD I
E. Lusignan	Foreman III	WD III
B. Berglund	Water Systems Serviceman	WD II
K. Bloomer	Water Systems Serviceman	WD II
W. Cossey	Water Systems Serviceman	WD II
J. Dumonceaux	Water Systems Serviceman	WD II
T. Friesen	Water Systems Serviceman	WD II
M. Kapicki	Water Systems Serviceman	WD III
H. Marko	Water Systems Serviceman	WD II
N. McBryan	Water Systems Serviceman	WD III
B. Osadchuk	Water Systems Serviceman	WD II
M. Petruk	Water Systems Serviceman	WD II
T. Vik	Water Systems Serviceman	WD II
B. Bjornson	Water Systems Serviceman	WD II
J. Provencal	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

A. Pickering	**Senior Manager, Customer Service**	
N.Mayer	**Manager, Dispatch**	WD II
B.Bamford	**Manager, Customer Service**	
Employee Name	Title	Alberta Environment Certification Level
S. Yantha	Team Lead, Dispatch	
D. Horkey	Dispatcher Coordinator	WD I
F.Yongabi	Dispatcher Coordinator	WD I WWC I WT I WWT I
N. Lakhani	Inspector – Water Metering	WD II
J. Warring	Inspector – Water Metering	WD I
D. Gerlack	**Manager, Cross Connections**	WD II
T. Sutherland	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)

K.Aspden	**Manager, Metering Operations**	**WD I**
Employee Name	Title	Alberta Environment Certification Level
T. Seargeant	Foreman III	WD II
C.Connors	Meter Installer I	WD I
T.Hawksworth	Meter Installer I	WD I
A. Hyshka	Meter Installer II	WD III
J. Lister	Meter Installer I	WD I WWC I
B. Mace	Meter Installer I	WD III
L. Mayer	Meter Installer I	WD I
C. Neufeld	Meter Installer I	WD II
C. Robert	Meter Mechanic II	WD II
K. Santos	Meter Installer II	WD I
J. Torres	Meter Installer I	WD I
S. Williams	Meter Installer I	WD I

1.2.1 Raw Water Intake (ML)

April 2026

Day	Rossdale			E.L. Smith	Plants Combined Total
	Plant 1	Plant 2	Plant Total	Plant Total	
1	60	100	160	277	437
2	50	79	129	247	376
3	50	70	120	265	385
4	57	77	134	281	415
5	60	100	160	280	440
6	60	81	141	280	421
7	60	80	140	280	420
8	60	80	140	281	421
9	60	80	140	268	408
10	60	91	151	276	428
11	60	100	160	292	452
12	60	100	160	289	449
13	59	111	170	281	451
14	55	101	155	255	410
15	73	114	187	94	281
16	80	120	200	296	496
17	67	107	175	289	464
18	60	93	153	266	418
19	60	91	151	266	417
20	60	91	151	301	452
21	55	96	151	288	439
22	50	100	150	266	416
23	50	100	150	272	422
24	53	103	155	291	446
25	52	101	153	300	453
26	55	95	150	300	450
27	55	95	150	275	424
28	57	106	163	254	417
29	81	129	211	50	260
30	90	130	220	300	519
Monthly Total	1,810	2,919	4,730	7,957	12,687
Monthly Min	50	70	120	50	
Monthly Max	90	130	220	301	
Monthly Avg	60	97	158	265	423

NOTES: ' -- ' indicates plant offline

1.2.2 Treated Water Production (ML)

April 2026

Day	Rossdale (Plant 1 & Plant 2)			E.L. Smith			Plants Combined	Reservoir Levels (%)
	Flow Meters			Flow Meters			Flow Meters (Both Plants)	
	Min	Max	Total	Min	Max	Total		
1	77	197	145	209	306	258	403	75.9
2	63	181	113	204	308	228	340	77.5
3	52	187	107	206	305	246	353	71.5
4	77	202	116	208	307	259	375	67.9
5	68	202	146	207	308	258	404	70.8
6	61	189	127	206	303	258	385	74.9
7	66	200	125	207	311	258	383	73.2
8	58	199	126	257	307	259	385	73.4
9	67	202	124	207	296	241	365	76.5
10	72	182	135	206	296	250	384	72.0
11	74	201	146	257	301	267	413	75.9
12	93	200	146	204	309	265	411	81.3
13	94	203	157	207	302	252	409	82.1
14	78	190	140	166	304	229	369	86.3
15	110	202	172	0.0	182	38	210	76.6
16	94	218	187	0.0	309	253	440	55.5
17	56	205	159	205	302	262	421	70.1
18	64	208	141	208	308	244	384	75.7
19	75	203	130	205	304	233	363	74.8
20	64	181	132	207	302	266	398	72.6
21	60	205	129	209	306	254	383	74.0
22	80	186	131	199	282	233	364	72.2
23	78	206	129	203	288	237	367	67.8
24	63	201	137	208	303	257	393	66.9
25	33	203	134	203	297	262	395	72.3
26	60	204	131	207	290	261	392	77.6
27	82	209	133	208	297	244	377	78.7
28	22	210	149	208	304	220	369	76.4
29	96	207	197	0.0	212	16	213	70.1
30	147	208	205	79	301	259	464	50.8
Monthly Tota			4,250			7,065	11,315	
Monthly Min	22			0.0				
Monthly Max		218			311			
Monthly Avg			142			236	377	

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

April 2026

Day	Rossdale										E.L. Smith									
	Turbidity (NTU)			pH			Colour (TCU)				Turbidity (NTU)			pH			Colour (TCU)			
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1	3.7	4.1	4.0	8.0	8.0	8.0	5.5	6.9	6.3		3.7	5.6	4.3	7.9	8.0	7.9	5.5	6.5	6.0	
2	3.7	6.1	5.1	8.0	8.1	8.0	4.9	5.9	5.5		3.4	5.6	4.1	8.0	8.0	8.0	5.1	5.8	5.4	
3	4.4	5.6	4.8	8.0	8.1	8.1	4.0	4.9	4.7		3.4	5.4	4.3	7.9	8.0	8.0	4.7	5.4	5.1	
4	5.4	6.1	5.8	8.0	8.0	8.0	4.0	5.6	4.7		3.5	11	5.3	7.9	8.0	7.9	4.2	5.9	4.8	
5	5.8	9.6	8.4	8.0	8.0	8.0	4.8	7.7	6.4		6.5	11	7.8	7.9	8.0	7.9	4.9	7.3	5.9	
6	7.4	12	8.5	8.0	8.0	8.0	7.7	15.9	11.4		6.9	14	9.6	7.9	7.9	7.9	7.3	14.4	12.4	
7	8.6	16	11	8.0	8.0	8.0	14.7	16.9	15.8		7.8	14	9.2	7.8	7.9	7.8	13.7	14.5	14.1	
8	6.0	16	8.8	8.0	8.0	8.0	14.2	15.9	14.8		5.9	7.9	6.6	7.8	7.9	7.8	12.6	13.7	13.3	
9	7.7	16	10	7.9	8.1	8.0	10.9	15.5	13.3		6.6	10	8.2	7.9	8.0	7.9	11.0	12.6	11.5	
10	9.8	15	11	8.0	8.1	8.0	10.6	14.4	12.4		7.1	11	8.1	7.9	8.0	7.9	10.1	11.1	10.5	
11	11	21	14	8.1	8.1	8.1	11.8	16.0	13.6		9.5	16	12	8.0	8.0	8.0	10.3	12.6	10.9	
12	15	21	17	8.0	8.1	8.0	13.6	15.3	14.4		11	16	13	8.0	8.1	8.0	11.9	15.5	13.4	
13	12	27	17	8.0	8.0	8.0	11.8	16.8	15.8		11	50	17	7.9	8.1	8.0	15.5	24.9	18.1	
14	22	45	30	7.9	8.0	7.9	16.3	21.1	19.4		17	34	20	7.8	8.1	8.1	19.8	23.0	20.3	
15	19	32	24	8.0	8.0	8.0	12.7	20.9	16.8		30	30	17	7.8	7.8	7.8	20.7	20.7	20.3	
16	17	35	23	8.0	8.0	8.0	15.4	17.6	16.6		17	31	23	8.0	8.0	7.8	14.0	17.7	16.0	
17	15	35	23	8.0	8.0	8.0	16.2	18.6	17.7		13	40	21	7.7	7.8	7.7	16.6	21.3	18.9	
18	15	75	40	8.0	8.1	8.0	14.7	18.3	17.1		15	100	37	7.7	7.9	7.8	14.7	18.6	17.4	
19	24	120	45	8.0	8.1	8.0	11.7	15.5	13.8		24	130	50	7.8	7.9	7.8	12.7	17.5	14.6	
20	33	130	70	8.0	8.0	8.0	9.5	12.6	11.1		40	220	85	7.9	8.0	7.9	10.5	13.7	11.3	
21	50	200	90	8.0	8.0	8.0	9.5	11.1	9.9		55	350	100	7.8	7.9	7.9	8.2	17.3	11.2	
22	80	350	180	7.9	8.0	8.0	9.8	15.2	11.4		85	290	150	7.7	7.8	7.7	11.4	17.3	13.4	
23	120	180	130	8.0	8.1	8.0	9.7	12.0	10.9		100	200	140	7.8	7.9	7.8	12.6	16.2	14.9	
24	90	130	120	8.0	8.1	8.1	11.2	13.4	11.8		80	130	110	8.0	7.9	7.8	13.2	15.3	14.4	
25	70	120	100	8.1	8.1	8.1	12.9	14.6	13.6		85	140	100	7.7	8.0	7.9	13.6	16.0	14.9	
26	60	120	90	8.1	8.1	8.1	13.9	15.5	14.6		50	95	75	7.9	7.9	7.9	14.8	16.8	15.8	
27	34	65	45	8.1	8.1	8.1	12.3	15.4	13.6		28	50	40	7.9	8.0	7.9	13.0	16.5	14.4	
28	20	39	29	8.1	8.2	8.2	10.8	12.3	11.8		22	28	25	8.0	8.0	8.0	9.3	13.0	11.5	
29	15	25	20	8.1	8.3	8.2	9.1	10.8	10.3		23	25	23	8.0	8.0	8.0	9.3	10.3	10.3	
30	14	18	16	8.2	8.3	8.2	8.3	9.2	8.7		16	23	18	8.0	8.1	8.1	8.1	10.3	9.4	
Monthly Min/Max/Avg	3.7	350	40	7.9	8.3	8.0	4.0	21.1	12.3		3.4	350	38	7.7	8.1	7.9	4.2	24.9	12.7	

NOTES: ' -- ' indicates plant offline

1.2.4 Treated Water Quality Entering the Distribution System

April 2026

Day	Rossdale														E.L. Smith											
	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)	Turbidity (NTU)			Chloramine Residual (mg/L)			pH			Fluoride Residual (mg/L)			Total Hardness (mg/L as $CaCO_3$)	Colour (TCU)
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Total	Avg
1	0.03	0.05	0.03	1.96	2.11	2.04	7.9	8.0	8.0	0.72	0.73	0.72	180	0.4	0.06	0.06	0.06	1.93	2.00	1.96	7.9	7.9	7.9	0.68	0.72	0.68	182	0.5
2	0.03	0.05	0.03	1.96	2.11	2.04	7.5	7.8	7.6	0.71	0.73	0.72	178	0.3	0.06	0.06	0.06	1.93	1.97	1.93	7.8	7.9	7.8	0.69	0.72	0.70	178	0.6
3	0.03	0.05	0.03	2.01	2.16	2.08	7.8	7.8	7.8	0.71	0.73	0.72	177	0.2	0.06	0.06	0.06	1.93	2.02	1.98	7.8	7.9	7.8	0.67	0.70	0.69	177	0.9
4	0.02	0.04	0.03	2.01	2.16	2.08	7.8	7.8	7.8	0.70	0.72	0.71	177	0.4	0.06	0.06	0.06	1.88	2.02	1.98	7.8	7.8	7.8	0.62	0.67	0.64	178	0.7
5	0.03	0.05	0.03	2.01	2.11	2.06	7.7	7.8	7.8	0.70	0.71	0.70	174	0.3	0.06	0.06	0.06	1.89	2.01	1.97	7.8	7.8	7.8	0.67	0.73	0.70	177	0.6
6	0.02	0.05	0.04	1.96	2.11	2.04	7.8	7.8	7.8	0.70	0.71	0.70	174	0.4	0.06	0.06	0.06	1.94	1.98	1.97	7.8	7.8	7.8	0.65	0.70	0.69	174	0.5
7	0.03	0.05	0.04	1.96	2.11	2.06	7.7	7.8	7.7	0.70	0.71	0.70	173	0.4	0.06	0.06	0.06	1.93	1.98	1.96	7.7	7.8	7.7	0.65	0.68	0.67	166	0.5
8	0.04	0.05	0.04	2.01	2.11	2.07	7.7	7.8	7.8	0.65	0.70	0.67	161	0.5	0.06	0.06	0.06	1.90	1.98	1.94	7.7	7.8	7.7	0.65	0.71	0.68	159	0.6
9	0.04	0.05	0.04	2.01	2.16	2.07	7.7	7.8	7.7	0.65	0.66	0.65	161	0.5	0.06	0.06	0.06	1.92	1.95	1.93	7.7	7.8	7.8	0.65	0.71	0.68	166	0.4
10	0.04	0.05	0.04	1.96	2.11	2.03	7.8	7.8	7.8	0.65	0.66	0.65	163	0.7	0.06	0.06	0.06	1.92	1.95	1.93	7.7	7.8	7.8	0.64	0.68	0.65	160	0.5
11	0.04	0.05	0.04	1.91	2.11	2.03	7.8	7.8	7.8	0.65	0.66	0.66	165	0.4	0.06	0.06	0.06	1.91	1.93	1.93	7.7	7.8	7.7	0.63	0.68	0.65	162	0.3
12	0.04	0.07	0.04	1.96	2.11	2.05	7.7	7.8	7.7	0.64	0.66	0.65	161	0.3	0.06	0.06	0.06	1.88	1.93	1.90	7.7	7.7	7.7	0.79	0.81	0.80	156	0.3
13	0.04	0.06	0.04	1.91	2.11	2.02	7.7	7.8	7.7	0.64	0.65	0.64	157	0.6	0.06	0.06	0.06	1.88	1.93	1.91	7.7	7.7	7.7	0.78	0.80	0.79	156	0.7
14	0.04	0.06	0.04	1.91	2.01	1.95	7.7	7.7	7.7	0.64	0.65	0.64	148	0.6	0.06	0.06	0.06	1.91	1.96	1.93	7.7	7.7	7.7	0.78	0.79	0.78	148	0.7
15	0.03	0.05	0.04	1.86	2.01	1.95	7.7	7.8	7.7	0.65	0.66	0.66	147	0.4	0.06	0.06	0.02	2.03	2.03	2.03	7.9	7.9	7.7	0.68	0.89	0.78	148	0.5
16	0.03	0.05	0.04	1.96	2.11	2.03	7.7	7.8	7.8	0.65	0.67	0.66	146	0.6	0.06	0.06	0.06	1.90	1.98	1.95	7.7	7.8	7.7	0.59	0.65	0.63	148	0.7
17	0.03	0.06	0.04	1.96	2.11	2.03	7.7	7.8	7.7	0.65	0.66	0.66	150	0.6	0.06	0.06	0.06	1.93	2.01	1.96	7.8	7.8	7.8	0.62	0.64	0.64	148	0.8
18	0.03	0.06	0.04	1.96	2.11	2.03	7.7	7.8	7.7	0.66	0.67	0.66	146	0.5	0.06	0.06	0.06	1.93	1.97	1.93	7.8	7.8	7.8	0.62	0.65	0.63	154	0.6
19	0.03	0.06	0.04	1.96	2.11	2.04	7.7	7.8	7.7	0.66	0.67	0.67	153	0.6	0.06	0.06	0.06	1.89	1.93	1.92	7.8	7.9	7.8	0.64	0.66	0.65	158	0.7
20	0.03	0.06	0.04	1.96	2.11	2.05	7.7	7.7	7.7	0.64	0.67	0.66	157	0.3	0.06	0.06	0.06	1.88	1.93	1.92	7.9	7.9	7.9	0.65	0.66	0.66	162	0.9
21	0.04	0.06	0.04	1.96	2.11	2.05	7.7	7.8	7.7	0.64	0.65	0.65	160	0.4	0.06	0.06	0.06	1.91	1.98	1.93	7.9	7.9	7.9	0.66	0.69	0.67	156	0.9
22	0.02	0.06	0.04	1.91	2.06	1.99	7.7	7.7	7.7	0.64	0.66	0.65	157	0.6	0.06	0.06	0.06	1.93	1.98	1.93	7.9	7.9	7.9	0.66	0.69	0.69	153	1.1
23	0.03	0.05	0.03	1.91	2.01	1.96	7.7	7.8	7.7	0.65	0.67	0.66	157	0.6	0.06	0.06	0.06	1.93	1.95	1.93	7.9	7.9	7.9	0.63	0.67	0.66	150	0.8
24	0.03	0.06	0.04	1.96	2.11	2.04	7.7	7.7	7.7	0.66	0.67	0.66	153	0.6	0.06	0.06	0.06	1.93	1.99	1.95	7.8	7.9	7.9	0.63	0.68	0.64	152	0.8
25	0.04	0.06	0.05	2.01	2.16	2.06	7.7	7.8	7.7	0.67	0.69	0.68	157	0.5	0.06	0.06	0.06	1.89	1.98	1.92	7.8	7.9	7.9	0.67	0.71	0.69	153	0.7
26	0.03	0.06	0.04	1.96	2.16	2.06	7.6	7.7	7.6	0.68	0.69	0.69	161	0.5	0.06	0.06	0.06	1.93	1.97	1.93	7.8	7.9	7.9	0.67	0.70	0.69	161	0.8
27	0.03	0.07	0.05	1.96	2.11	2.04	7.6	7.7	7.6	0.69	0.70	0.69	164	0.7	0.06	0.06	0.06	1.93	1.98	1.93	7.9	7.9	7.9	0.66	0.69	0.68	161	1.2
28	0.04	0.07	0.05	1.96	2.11	2.05	7.7	7.7	7.7	0.68	0.70	0.69	168	0.7	0.06	0.07	0.06	1.93	1.98	1.93	7.9	8.0	8.0	0.63	0.69	0.65	166	1.4
29	0.05	0.08	0.05	1.96	2.11	2.02	7.7	7.8	7.7	0.69	0.70	0.69	169	0.5	0.07	0.08	0.08	1.89	2.08	1.99	7.9	8.1	8.0	0.60	0.67	0.64	168	0.8
30	0.05	0.08	0.05	1.91	2.06	2.00	7.7	7.8	7.7	0.70	0.71	0.70	171	0.6	0.06	0.07	0.07	1.83	1.94	1.91	8.0	8.2	8.1	0.64	0.69	0.66	167	0.5
Monthly Min/Max/ Avg	0.02	0.08	0.04	1.86	2.16	2.03	7.5	8.0	7.7	0.64	0.73	0.68	162	0.5	0.06	0.08	0.06	1.83	2.08	1.94	7.7	8.2	7.8	0.59	0.89	0.68	161	0.7

NOTES: ' -- ' indicates plant offline

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

April 2026

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

NOTE: ' -- ' indicates filter offline

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

April 2026

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

NOTES: ' -- ' indicates filter offline

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

April 2026

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

NOTES: ' -- ' indicates filter offline

1.2.8 Rossdale Filters 1 - 9 Turbidity (NTU)

April 2026

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

NOTES: ' -- ' indicates filter offline

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

April 2026

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

NOTES: ' -- ' indicates filter offline

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

April 2026

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

NOTES: ' -- ' indicates filter offline

1.2.11 Combined Filter Effluent Water Quality

April 2026

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

NOTES: ' -- ' indicates plant offline

1.2.12 Rossdale UV Disinfection - Filters 1 - 3

April 2026

Filter	1						2						3						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	50.2	62.3	55.7	16.2	19.6	13.8	46.0	58.1	51.6	18.2	21.8	20.0	39.4	48.9	42.2	17.3	21.9	20.6	95.8	96.1	95.9
2	47.4	57.6	51.1	19.8	24.1	5.8	58.1	58.4	58.3	18.2	18.2	0.0	42.4	49.5	46.8	18.9	22.2	19.9	96.1	96.5	96.4
3	46.9	55.9	52.0	21.4	23.5	22.5	44.3	61.9	53.2	19.6	24.2	12.5	48.7	55.3	52.0	17.8	19.3	8.3	95.1	96.7	96.5
4	47.4	72.2	55.8	19.3	21.5	19.0	44.9	65.8	54.9	20.3	23.4	21.6	53.3	64.8	58.1	17.8	22.7	0.6	95.1	97.2	96.3
5	57.8	67.7	61.8	21.1	24.8	8.2	58.9	67.0	63.2	20.2	22.3	11.9	48.0	66.8	56.8	19.1	22.7	20.2	96.6	97.5	97.0
6	45.8	64.7	54.7	22.7	26.1	23.7	--	--	--	--	--	--	42.6	66.3	53.4	18.8	23.5	20.3	96.5	97.5	96.9
7	45.5	56.4	52.8	20.4	24.1	22.4	42.8	68.1	54.5	19.7	24.3	19.5	43.6	54.1	51.3	18.3	20.9	17.7	94.0	97.1	96.4
8	45.6	63.1	56.5	18.6	21.0	12.4	42.2	61.9	54.1	20.1	23.1	21.5	45.7	58.5	50.2	17.3	22.0	7.5	94.0	96.8	96.3
9	50.5	59.5	53.4	20.2	23.7	11.2	53.5	64.2	57.4	18.5	20.5	10.9	45.8	54.2	49.1	19.0	20.7	19.9	96.2	97.0	96.6
10	47.6	58.7	54.0	21.5	26.8	23.6	--	--	--	--	--	--	45.8	55.1	51.3	19.1	23.3	20.8	96.7	97.1	96.9
11	44.7	64.1	53.4	20.3	24.6	22.7	38.9	60.9	44.4	22.1	27.8	10.7	39.9	52.5	46.9	20.1	26.0	14.8	96.2	97.2	96.8
12	36.3	47.2	40.7	21.1	24.0	13.9	35.4	41.0	36.6	24.5	27.4	25.7	34.9	47.6	35.9	17.6	26.3	11.0	94.7	96.2	95.2
13	35.0	36.7	35.6	25.2	28.7	11.9	35.3	41.4	37.1	22.9	26.7	24.8	35.0	36.2	35.7	23.9	28.5	25.4	94.8	95.1	95.1
14	35.5	45.2	40.2	21.4	27.0	23.7	41.0	51.3	43.8	19.0	23.2	7.8	35.2	46.7	39.9	17.2	25.1	20.3	94.5	95.9	95.3
15	35.0	43.7	38.8	21.4	29.1	25.0	35.3	38.7	36.7	26.7	28.1	16.5	35.1	44.7	39.4	17.4	23.8	12.8	94.5	95.9	95.2
16	38.0	43.6	40.6	23.3	26.0	16.8	35.2	39.8	37.4	25.5	29.0	27.7	35.1	38.4	36.0	21.7	26.7	8.3	95.3	95.9	95.6
17	37.9	40.3	38.8	23.4	24.8	6.0	36.8	44.0	39.6	21.6	27.2	25.5	34.4	37.0	35.7	24.4	31.3	28.0	95.4	95.9	95.6
18	35.1	38.7	36.1	24.1	27.6	26.2	41.8	45.1	42.8	20.8	22.7	8.5	35.1	36.3	35.7	21.7	25.7	24.0	94.8	95.6	95.2
19	38.0	47.6	42.0	21.6	25.0	23.3	42.3	44.9	43.7	23.7	24.4	4.5	35.5	44.8	40.9	17.8	22.0	15.8	95.2	95.9	95.6
20	45.9	51.2	48.3	20.5	22.0	14.1	43.2	48.5	45.7	23.0	24.4	23.6	37.5	47.1	41.2	17.4	22.5	7.0	95.5	96.1	95.9
21	50.2	59.7	55.1	20.4	24.6	6.8	47.4	58.4	52.1	21.8	23.4	22.6	39.2	48.0	43.1	21.0	22.4	21.7	96.0	96.8	96.3
22	43.8	58.9	52.5	22.6	24.2	23.4	49.2	66.1	55.5	20.7	22.0	12.7	40.6	54.2	48.5	19.9	21.4	20.6	94.4	97.1	96.4
23	46.6	57.1	50.4	20.4	23.3	21.9	--	--	--	--	--	--	44.3	52.9	47.4	18.6	20.7	13.8	95.8	97.1	96.4
24	37.4	48.3	43.1	20.6	25.8	15.6	36.9	44.8	40.5	23.0	27.1	21.9	--	--	--	--	--	--	95.3	95.9	95.7
25	36.0	45.5	38.7	19.7	23.8	11.5	36.5	42.6	38.9	21.4	26.6	23.6	35.2	36.2	35.7	22.7	26.7	20.7	94.7	95.4	94.9
26	35.3	40.1	38.1	21.2	23.7	22.4	39.2	44.0	42.6	19.5	21.9	14.3	35.1	36.2	35.7	21.0	23.3	22.1	92.3	95.2	94.7
27	35.2	40.7	37.8	20.4	23.9	21.9	35.3	36.2	35.7	23.9	28.2	11.0	35.1	36.6	35.7	20.0	21.7	12.3	94.3	94.8	94.5
28	35.2	40.5	38.0	20.3	28.2	6.4	35.4	36.2	35.7	23.1	27.0	24.9	34.9	36.1	35.6	21.9	26.9	10.4	94.4	94.9	94.7
29	34.9	36.2	35.6	26.0	31.1	28.1	35.2	41.2	36.5	21.7	26.6	24.4	34.1	36.2	35.6	23.3	29.2	26.4	94.5	95.1	94.8
30	34.9	36.5	35.6	23.0	27.7	25.0	34.9	42.4	37.6	20.3	29.3	20.6	35.0	36.2	35.6	22.4	26.1	24.0	94.8	95.0	94.8
Monthly Total						529.2						468.8						495.2			
Monthly Min/Max/ Avg	34.9	72.2	46.2	16.2	31.1		34.9	68.1	45.5	18.2	29.3		34.1	66.8	43.2	17.2	31.3		92.3	97.5	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

1.2.13 Rossdale UV Disinfection - Filters 4 - 6

April 2026

Filter	4						5						6						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	41.0	52.1	46.4	21.1	25.2	22.9	44.9	61.0	52.1	16.5	21.1	18.9	36.9	53.0	46.0	18.8	25.9	21.3	95.8	96.1	95.9
2	51.3	49.1	56.5	18.7	21.4	14.8	52.0	47.0	45.9	16.4	16.5	0.0	52.3	58.0	54.7	18.0	19.0	6.1	96.1	96.5	96.4
3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.1	96.7	96.5
4	48.0	68.0	55.9	21.7	22.7	8.5	43.6	62.6	51.8	18.9	22.8	21.6	39.1	52.7	48.1	21.1	25.9	15.2	95.1	97.2	96.3
5	52.1	81.5	69.3	19.2	25.5	20.3	56.7	75.8	64.4	19.5	22.1	20.5	48.4	64.9	55.2	22.2	25.4	23.5	96.6	97.5	97.0
6	53.2	81.3	67.3	19.0	22.8	20.1	74.1	75.9	75.0	19.4	19.7	0.8	54.8	64.8	57.8	22.0	23.0	10.4	96.5	97.5	96.9
7	61.6	65.6	63.2	20.2	20.7	3.1	41.6	51.1	47.7	22.2	23.2	8.8	37.1	43.2	41.6	20.8	21.1	2.1	94.0	97.1	96.4
8	--	--	--	--	--	0.0	41.8	61.7	53.7	19.7	22.5	21.0	42.9	53.8	47.9	20.4	24.9	23.1	94.0	96.8	96.3
9	--	--	--	--	--	0.0	54.1	70.2	61.8	17.5	20.0	18.6	47.6	59.8	52.7	21.0	23.4	21.9	96.2	97.0	96.6
10	49.1	63.9	58.1	17.7	26.2	11.1	48.6	59.9	51.7	18.2	21.6	2.7	46.7	51.1	48.1	20.0	23.5	13.5	96.7	97.1	96.9
11	40.7	59.2	50.4	22.7	26.0	24.8	41.7	53.7	47.9	23.0	26.6	23.2	--	--	--	--	--	--	96.2	97.2	96.8
12	35.8	42.6	39.1	22.2	26.0	23.7	36.8	44.2	39.5	20.2	24.0	22.1	34.7	43.3	35.8	21.1	30.5	27.1	94.7	96.2	95.2
13	38.7	44.2	41.5	20.5	23.3	15.9	38.5	50.7	43.6	17.5	22.2	19.6	35.2	37.4	35.7	25.4	29.5	26.8	94.8	95.1	95.1
14	42.4	49.8	44.6	20.0	22.1	14.7	38.1	55.1	50.3	17.2	23.7	7.0	35.8	43.4	40.0	21.3	25.7	23.1	94.5	95.9	95.3
15	35.0	46.0	39.5	21.1	28.4	25.4	35.0	40.5	37.2	22.5	29.4	25.8	35.3	43.6	40.2	20.7	25.4	17.2	94.5	95.9	95.2
16	38.1	45.9	41.6	23.3	27.0	24.9	36.0	43.4	39.5	22.7	26.8	24.4	35.3	40.7	36.4	23.2	30.4	27.7	95.3	95.9	95.6
17	42.8	47.1	44.3	22.3	24.4	5.7	42.1	46.3	44.2	20.7	23.0	11.8	34.9	38.5	36.0	22.9	30.1	27.7	95.4	95.9	95.6
18	39.7	45.6	42.5	21.1	23.1	10.8	--	--	--	--	--	--	35.5	41.5	37.5	20.3	24.1	22.5	94.8	95.6	95.2
19	45.0	52.4	47.5	20.2	21.7	21.1	39.5	44.8	42.5	22.3	23.5	8.5	--	--	--	--	--	--	95.2	95.9	95.6
20	49.9	56.6	52.8	19.5	20.7	20.0	43.1	48.9	45.5	21.6	22.9	22.1	36.3	44.2	39.6	20.6	26.1	24.4	95.5	96.1	95.9
21	54.8	57.0	55.5	19.2	19.8	3.9	47.1	59.3	52.4	20.0	21.8	20.8	39.4	49.1	43.6	23.5	25.1	24.2	96.0	96.8	96.3
22	60.0	63.6	62.0	21.7	22.3	8.7	57.9	60.1	58.7	19.7	20.3	3.8	42.0	56.8	50.0	22.1	23.8	22.8	94.4	97.1	96.4
23	48.5	62.1	53.5	20.3	22.2	21.3	44.2	48.9	46.7	21.1	23.5	18.9	48.8	54.5	53.1	21.5	22.5	3.6	95.8	97.1	96.4
24	42.3	50.3	44.9	20.6	24.5	22.4	40.0	46.1	42.8	20.7	24.4	22.1	35.4	41.7	36.3	20.6	25.4	8.3	95.3	95.9	95.7
25	42.4	44.8	43.4	19.7	22.6	10.0	40.5	45.3	42.7	17.8	21.8	14.0	35.3	36.8	35.7	22.9	25.4	24.0	94.7	95.4	94.9
26	37.2	40.8	38.4	21.7	22.6	7.6	--	--	--	--	--	--	35.3	37.7	36.4	21.4	25.0	22.7	92.3	95.2	94.7
27	35.1	40.5	38.3	20.5	24.3	22.1	35.3	38.8	36.3	21.4	23.6	19.2	35.4	35.9	35.7	23.1	24.5	3.0	94.3	94.8	94.5
28	36.4	40.1	38.1	20.3	23.0	21.8	35.3	39.3	37.3	20.2	22.8	21.1	35.4	39.7	37.7	20.5	29.4	7.0	94.4	94.9	94.7
29	37.5	46.1	40.6	18.9	22.6	14.8	36.4	44.6	40.3	17.7	21.5	19.7	35.1	36.2	35.6	27.6	32.3	29.7	94.5	95.1	94.8
30	35.0	39.2	36.5	21.7	26.6	19.5	35.1	45.9	38.0	17.1	29.4	19.1	35.1	36.9	35.8	23.0	28.2	25.2	94.8	95.0	94.8
Monthly Total						439.9						436.3						503.8			
Monthly Min/Max/ Avg	35.0	81.5	48.6	17.7	28.4		35.0	75.9	47.8	16.4	29.4		34.7	64.9	42.7	18.0	32.3		92.3	97.5	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

1.2.14 Rossdale UV Disinfection - Filters 7 - 9

April 2026

Filter	7						8						9						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	42.0	51.0	43.7	20.3	25.0	7.7	38.1	44.6	42.2	19.8	25.4	3.6	43.2	49.2	45.9	22.9	25.4	20.4	95.8	96.1	95.9
2	39.9	47.8	44.5	23.3	27.6	25.2	35.4	46.5	40.5	21.6	29.1	24.7	45.2	57.5	51.3	20.8	26.7	23.3	96.1	96.5	96.4
3	43.5	51.8	48.0	22.7	25.2	24.0	40.8	48.1	45.0	21.8	23.7	22.8	53.7	65.4	60.6	19.2	21.1	20.2	95.1	96.7	96.5
4	44.2	54.3	51.1	21.8	22.8	13.5	41.2	58.3	47.1	20.4	22.0	19.5	54.5	61.1	58.2	18.9	26.0	1.9	95.1	97.2	96.3
5	50.4	67.5	58.5	20.4	25.0	20.5	--	--	--	--	--	--	53.3	71.3	61.2	23.0	26.2	24.0	96.6	97.5	97.0
6	50.5	67.0	57.5	20.7	24.6	22.5	41.5	50.6	46.8	22.1	26.5	11.3	53.9	71.2	62.5	21.3	25.1	23.0	96.5	97.5	96.9
7	47.4	62.3	54.9	19.4	21.2	20.5	40.1	51.6	47.7	21.2	22.8	22.1	57.5	66.2	62.3	20.6	21.8	13.3	94.0	97.1	96.4
8	47.8	60.7	53.2	18.9	19.7	3.8	40.1	52.7	47.6	20.7	22.7	21.6	52.1	62.3	57.4	20.3	24.7	18.1	94.0	96.8	96.3
9	45.0	58.3	51.6	20.0	24.8	19.8	47.0	52.3	50.7	20.6	21.4	2.9	50.3	62.9	55.9	22.1	24.3	23.0	96.2	97.0	96.6
10	47.4	58.7	53.5	21.5	26.4	23.9	38.8	50.1	44.5	22.5	29.4	22.6	42.3	53.6	49.1	21.5	26.3	23.4	96.7	97.1	96.9
11	41.1	58.0	49.9	22.5	26.2	24.8	35.9	46.1	41.1	25.1	29.1	26.9	56.5	62.8	60.3	22.8	24.3	2.0	96.2	97.2	96.8
12	40.5	42.6	41.5	23.8	25.3	1.7	35.2	37.3	35.8	22.6	25.8	24.3	--	--	--	--	--	--	94.7	96.2	95.2
13	36.8	47.1	38.3	19.6	24.2	6.7	35.4	36.1	35.7	22.8	25.0	2.9	34.9	49.3	36.0	21.2	31.0	26.2	94.8	95.1	95.1
14	35.5	44.7	40.2	22.1	28.6	23.8	--	--	--	--	--	--	36.7	47.7	41.7	21.8	28.2	24.7	94.5	95.9	95.3
15	35.0	41.2	37.1	22.9	29.8	27.0	--	--	--	--	--	--	34.8	45.7	39.0	21.9	30.5	26.9	94.5	95.9	95.2
16	35.3	39.3	36.8	25.3	30.1	27.0	34.0	43.1	35.8	19.8	33.1	27.1	35.4	46.3	38.0	22.0	31.4	6.2	95.3	95.9	95.6
17	35.3	37.0	35.8	27.4	30.2	3.2	34.5	36.6	35.7	23.7	31.7	28.5	34.4	47.3	37.0	22.9	33.1	27.9	95.4	95.9	95.6
18	38.1	38.7	38.5	24.3	24.6	0.2	35.2	36.6	35.7	23.1	26.6	25.0	35.0	39.5	36.5	25.6	28.8	27.4	94.8	95.6	95.2
19	37.6	45.7	40.8	22.1	24.6	23.5	36.0	42.7	39.0	20.4	23.3	15.0	38.7	47.9	42.8	22.8	26.0	24.5	95.2	95.9	95.6
20	41.4	46.7	43.8	22.9	24.3	23.5	--	--	--	--	--	--	47.2	48.9	47.8	22.7	23.1	0.2	95.5	96.1	95.9
21	44.7	57.5	48.9	20.7	23.4	15.3	37.8	47.4	43.7	20.4	25.6	18.9	--	--	--	--	--	--	96.0	96.8	96.3
22	40.5	58.4	49.8	20.5	25.6	19.0	37.8	50.7	45.0	23.7	25.3	24.5	--	--	--	--	--	--	94.4	97.1	96.4
23	42.6	52.9	46.7	22.4	24.9	23.7	39.8	48.2	43.0	21.9	24.5	23.3	41.6	46.4	43.8	25.0	26.2	8.2	95.8	97.1	96.4
24	37.5	46.9	41.6	21.4	25.6	23.6	39.6	40.6	40.0	22.1	22.7	2.1	40.5	46.0	42.9	23.1	26.7	24.4	95.3	95.9	95.7
25	37.1	38.8	37.8	23.5	25.0	4.2	38.0	40.3	38.8	19.9	20.5	5.6	35.9	42.7	38.4	22.8	27.0	24.8	94.7	95.4	94.9
26	34.8	36.8	35.7	22.5	28.1	22.3	35.2	40.9	38.0	19.3	25.2	20.9	39.0	41.9	39.9	23.4	24.7	3.7	92.3	95.2	94.7
27	35.2	37.2	35.8	22.3	26.4	24.1	35.2	36.1	35.7	22.2	24.6	23.5	--	--	--	--	--	--	94.3	94.8	94.5
28	35.2	37.1	35.8	21.6	25.0	23.4	35.2	37.2	35.7	19.3	25.3	14.5	33.8	42.8	35.7	21.2	29.7	23.5	94.4	94.9	94.7
29	35.1	40.7	35.8	20.2	33.5	8.1	35.2	36.3	35.6	20.4	32.7	23.8	34.3	36.5	35.6	25.7	29.9	27.2	94.5	95.1	94.8
30	33.2	37.4	35.6	22.0	32.8	30.9	35.2	36.1	35.6	27.4	31.6	29.7	34.5	37.1	35.6	23.7	28.0	17.4	94.8	95.0	94.8
Monthly Total						537.1						487.4						486.0			
Monthly Min/Max/ Avg	33.2	67.5	44.1	18.9	33.5		34.0	58.3	40.8	19.3	33.1		33.8	71.3	46.7	18.9	33.1		92.3	97.5	95.8

NOTES: - Each filter has a UV reactor

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

' -- ' indicates filter and UV reactor offline

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

April 2026

Filter	1						2						3						4						Transmittance (%)		
Day	Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)			Dosage (mJ/cm²)			Flow (MLD)					
	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg	Min	Max	Total	Min	Max	Avg
1	66.7	76.0	69.7	60.0	73.7	69.1	65.6	76.2	69.2	55.9	68.0	63.2	55.3	63.9	58.9	66.2	80.6	75.5	53.5	60.2	55.9	48.2	54.0	52.1	95.7	96.2	96.0
2	73.6	85.8	77.1	52.1	68.8	47.7	58.4	80.7	73.5	48.3	84.0	61.4	52.9	72.0	64.3	57.7	92.0	71.1	48.2	67.7	58.6	42.5	72.8	51.6	96.2	96.3	96.3
3	64.6	69.2	72.3	65.8	74.2	10.3	57.5	74.4	61.3	58.1	92.1	80.0	51.9	68.1	54.9	66.5	99.9	87.8	48.2	54.1	48.7	53.4	77.7	70.0	96.2	96.5	96.3
4	62.0	79.4	67.7	64.0	75.9	71.4	69.7	86.1	74.7	57.9	69.4	65.4	64.2	76.7	68.5	63.8	73.5	70.4	50.2	58.9	52.2	52.7	58.6	57.1	96.5	97.4	96.6
5	72.4	78.9	75.1	63.1	75.5	70.9	81.3	87.1	83.6	58.4	68.7	65.0	74.3	80.6	76.1	63.1	73.5	70.3	49.5	55.5	51.1	53.2	58.9	56.7	97.2	97.5	97.4
6	65.7	73.9	70.6	62.8	75.4	71.0	73.6	86.1	79.3	58.8	69.4	65.4	66.5	78.5	71.9	63.0	74.8	70.2	49.7	54.4	51.2	52.9	59.1	56.9	96.7	97.4	97.0
7	67.1	76.3	71.1	62.4	74.8	70.5	75.1	85.1	79.9	57.5	68.9	64.7	68.9	79.9	73.7	62.0	73.4	69.8	51.4	55.7	52.7	52.3	58.3	56.5	96.7	97.1	97.0
8	68.3	78.5	72.3	61.8	75.2	70.8	67.6	88.4	74.9	57.2	69.4	65.0	73.4	83.7	76.3	60.9	73.9	69.9	50.4	56.0	52.2	51.4	58.7	56.7	97.1	97.2	97.1
9	66.6	80.1	72.0	57.8	74.9	67.2	66.3	78.9	71.8	53.0	68.6	61.7	71.7	86.3	77.4	56.6	73.3	66.3	50.6	59.2	53.4	47.7	58.2	53.9	96.9	97.1	97.0
10	64.9	78.3	72.0	57.6	79.4	69.3	64.6	78.6	71.2	53.6	73.7	63.6	68.6	85.7	76.0	57.3	78.7	68.3	48.3	59.1	52.9	48.9	62.4	55.5	97.0	97.0	97.0
11	60.0	77.1	66.9	63.8	79.4	73.4	58.3	71.9	65.7	58.6	73.7	67.5	62.7	75.6	69.7	62.8	79.1	72.7	48.3	54.2	49.7	52.3	62.2	58.9	96.5	97.1	97.0
12	56.6	65.6	61.5	62.6	80.4	73.1	55.2	65.1	60.0	57.9	74.0	67.3	57.9	67.8	63.2	61.9	79.2	72.2	48.3	54.5	50.9	53.6	62.7	58.6	96.1	96.5	96.3
13	57.1	63.5	59.3	62.7	75.5	70.3	55.0	61.8	58.4	57.3	69.7	64.7	57.1	65.8	61.2	62.3	74.2	69.6	48.6	53.6	50.9	52.4	58.8	56.5	95.6	96.1	95.8
14	52.0	72.4	61.4	55.2	95.4	73.1	56.6	70.8	62.8	26.2	68.8	37.7	57.7	72.3	64.5	54.7	85.2	69.6	48.2	62.0	53.4	46.8	74.8	58.4	95.7	96.1	96.0
15	63.8	64.5	64.2	68.1	78.5	70.1	--	--	--	--	--	--	69.3	72.1	71.0	62.8	73.9	12.0	53.7	54.6	54.1	54.8	55.9	7.8	96.1	96.3	95.7
16	52.4	70.0	62.1	65.6	103.2	84.7	49.6	68.8	57.3	60.9	98.3	80.4	51.2	64.3	59.5	65.8	99.8	82.8	50.3	50.6	53.5	62.0	70.4	27.7	95.5	96.3	95.8
17	59.9	71.0	65.1	60.8	77.3	69.8	57.9	69.5	63.2	56.2	71.0	64.4	55.5	66.7	61.0	60.3	77.6	70.2	50.4	50.7	50.5	61.4	71.1	65.1	95.3	95.8	95.5
18	65.0	77.8	71.8	53.1	72.4	64.3	63.9	74.9	70.1	48.8	66.9	59.3	62.1	71.2	67.2	54.7	71.5	64.8	50.4	50.6	50.5	56.2	65.8	60.1	95.5	95.8	95.6
19	62.7	78.1	72.6	52.5	75.7	62.9	61.0	75.6	70.3	48.2	70.6	58.0	57.5	74.8	67.8	53.3	76.8	63.2	50.3	50.6	50.5	53.0	67.5	58.9	95.4	95.7	95.6
20	60.2	68.3	64.0	61.7	77.9	71.4	58.8	67.5	62.3	57.5	72.0	65.8	56.5	64.1	59.9	62.3	77.6	71.7	50.3	50.6	50.5	62.0	71.2	66.7	95.4	95.6	95.5
21	62.8	75.0	69.3	59.2	77.6	68.7	61.1	73.7	67.7	55.1	71.3	63.2	58.6	71.5	64.7	59.6	77.8	68.9	50.3	50.6	50.5	58.0	70.7	64.2	95.5	95.9	95.7
22	71.0	87.3	77.5	54.8	71.7	63.3	69.8	83.2	76.4	50.6	65.9	58.3	67.9	79.3	73.1	55.8	71.0	63.5	50.3	50.7	50.5	53.0	65.0	59.3	95.8	96.2	96.0
23	63.8	76.9	70.4	49.4	72.3	64.5	62.7	77.0	69.2	46.8	66.8	59.3	61.1	72.6	66.5	51.1	71.8	64.8	50.3	50.8	50.5	55.5	65.0	60.2	95.4	95.9	95.6
24	54.6	64.2	62.4	58.8	77.1	68.9	52.6	64.3	61.3	55.3	71.5	63.6	49.3	58.3	57.7	60.2	76.6	69.2	50.4	59.8	50.9	57.9	71.0	64.5	94.9	95.4	95.2
25	49.0	60.3	55.1	57.3	77.0	70.3	49.4	60.1	53.8	53.2	70.9	64.9	46.5	79.8	50.2	57.5	77.8	70.9	50.4	50.6	50.5	56.0	70.1	65.8	94.6	95.3	94.8
26	48.4	56.1	51.6	62.7	78.0	70.2	47.6	55.4	51.1	57.0	71.1	64.6	77.5	87.6	82.3	63.9	79.0	72.1	50.4	50.7	50.5	59.5	70.5	65.6	94.3	94.6	94.4
27	48.2	65.8	56.8	50.8	76.1	64.5	45.6	58.0	51.4	45.5	70.1	59.3	50.9	88.9	68.0	52.8	78.9	67.5	50.3	50.7	50.5	52.4	68.9	60.3	94.3	94.9	94.5
28	49.5	91.2	70.0	53.6	89.2	70.9	46.7	85.3	63.7	49.5	84.8	67.8	67.8	88.1	59.2	63.4	92.3	66.8	50.4	50.6	50.5	51.8	80.6	26.7	94.0	94.9	94.2
29	52.2	81.3	66.8	60.9	78.5	10.4	49.8	92.6	71.2	57.5	93.6	10.0	69.1	92.8	80.9	70.0	90.8	11.8	49.4	49.4	49.4	86.3	75.7	--	93.5	93.7	93.6
30	51.0	88.9	80.0	64.1	101.6	81.7	49.9	59.5	53.8	47.0	59.8	53.8	65.6	118.9	77.1	67.8	105.2	86.8	49.3	49.6	49.5	28.2	89.8	74.7	94.2	94.7	94.5
Monthly Total						1,964.8						1,785.5						2,010.5						1,627.0			
Monthly Min/Max/ Avg	48.2	91.2	67.6	49.4	103.2		45.6	92.6	66.5	26.2	98.3		46.5	118.9	67.4	51.1	105.2		48.2	67.7	51.6	28.2	89.8		93.5	97.5	95.8

NOTES: ' -- ' indicates UV reactor offline

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

1.2.16 Log Removal

April 2026

Day	Rossdale									E.L. Smith								
	Log Removal									Log Removal								
	Giardia			Virus			*Cryptosporidium*			*Giardia*			Virus			*Cryptosporidium*		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	7.9	8.1	8.0	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.4	8.8	8.1	7.0	7.0	7.0
2	8.0	8.4	8.3	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.8	9.0	8.3	7.0	7.0	7.0
3	8.4	8.4	8.4	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.4	9.0	7.8	7.0	7.0	7.0
4	8.2	8.4	8.3	15	16	15	7.0	7.0	7.0	7.2	7.2	7.2	7.7	8.4	8.0	7.0	7.0	7.0
5	8.0	8.3	8.0	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.5	8.8	8.1	7.0	7.0	7.0
6	8.0	8.2	8.2	14	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.4	9.0	7.9	7.0	7.0	7.0
7	8.1	8.2	8.1	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.3	7.9	7.6	7.0	7.0	7.0
8	8.1	8.2	8.2	14	15	15	7.0	7.0	7.0	7.1	7.2	7.2	6.8	8.5	7.6	7.0	7.0	7.0
9	8.1	8.3	8.2	15	16	15	7.0	7.0	7.0	7.2	7.2	7.2	7.2	8.9	8.0	7.0	7.0	7.0
10	7.9	8.2	8.0	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.7	8.6	8.1	7.0	7.0	7.0
11	7.9	8.1	8.0	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.1	8.7	7.7	7.0	7.0	7.0
12	8.1	8.2	8.1	13	14	14	7.0	7.0	7.0	7.1	7.2	7.2	7.0	8.4	7.6	7.0	7.0	7.0
13	7.9	8.2	8.1	13	14	13	7.0	7.0	7.0	7.1	7.2	7.2	6.8	8.6	7.4	7.0	7.0	7.0
14	8.0	8.4	8.2	13	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.5	9.0	8.3	7.0	7.0	7.0
15	7.9	8.2	8.1	13	14	13	7.0	7.0	7.0	7.2	7.2	7.2	7.5	7.6	7.5	7.0	7.0	7.0
16	8.0	8.1	8.0	13	14	13	7.0	7.0	7.0	7.2	7.3	7.2	7.3	9.9	8.3	7.0	7.0	7.0
17	8.0	8.3	8.1	13	14	13	7.0	7.0	7.0	7.1	7.2	7.2	6.8	8.3	7.7	7.0	7.0	7.0
18	8.1	8.4	8.3	13	14	14	7.0	7.0	7.0	7.2	7.2	7.2	7.3	9.0	8.3	7.0	7.0	7.0
19	8.2	8.4	8.3	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.3	8.8	8.1	7.0	7.0	7.0
20	8.2	8.3	8.3	14	15	15	7.0	7.0	7.0	7.1	7.2	7.2	7.2	9.0	8.0	7.0	7.0	7.0
21	8.2	8.4	8.3	14	16	15	7.0	7.0	7.0	7.1	7.2	7.2	6.9	8.3	7.6	7.0	7.0	7.0
22	8.2	8.4	8.3	14	15	15	7.0	7.0	7.0	7.1	7.2	7.2	7.3	9.2	7.9	7.0	7.0	7.0
23	8.2	8.3	8.3	15	16	15	7.0	7.0	7.0	7.1	7.2	7.2	7.2	9.1	8.0	7.0	7.0	7.0
24	8.0	8.3	8.1	14	15	14	7.0	7.0	7.0	7.2	7.2	7.2	7.6	9.2	8.0	7.0	7.0	7.0
25	7.9	8.3	8.1	14	15	14	7.0	7.0	7.0	7.1	7.2	7.2	7.0	8.4	7.5	7.0	7.0	7.0
26	8.2	8.3	8.2	15	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.3	8.9	8.0	7.0	7.0	7.0
27	8.1	8.4	8.2	14	15	15	7.0	7.0	7.0	7.2	7.2	7.2	7.7	9.3	8.3	7.0	7.0	7.0
28	8.1	8.4	8.3	14	16	15	7.0	7.0	7.0	7.2	7.2	7.2	8.0	11	9.0	7.0	7.0	7.0
29	8.1	8.4	8.3	15	17	16	7.0	7.0	7.0	7.2	7.2	7.2	11	11	11	7.0	7.0	7.0
30	8.4	8.5	8.4	17	19	18	7.0	7.0	7.0	7.2	7.3	7.2	9.3	13	11	7.0	7.0	7.0
Monthly Min/Max/Avg	7.9	8.5	8.2	13	19	15	7.0	7.0	7.0	7.1	7.3	7.2	6.8	13	8.2	7.0	7.0	7.0

NOTES: ' -- ' indicates plant offline

1.2.17 Liquid Alum Chemical Consumption

April 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	30.0	30.0	29.5	3,712	6,185	9,897	16,801
2	30.0	30.1	25.9	3,116	4,899	8,016	13,153
3	30.0	30.0	25.1	3,093	4,330	7,422	13,677
4	31.4	31.3	25.6	3,686	4,974	8,660	14,797
5	36.5	36.5	29.7	4,515	7,484	11,999	17,181
6	42.8	42.8	44.7	5,289	7,121	12,410	25,809
7	45.9	45.9	47.5	5,680	7,570	13,250	27,394
8	45.2	45.4	46.6	5,587	7,490	13,076	26,949
9	45.2	45.2	43.3	5,593	7,459	13,052	23,942
10	43.8	43.7	43.5	5,415	8,235	13,650	24,781
11	46.1	46.1	46.6	5,701	9,506	15,208	28,086
12	55.0	55.0	54.9	6,804	11,340	18,144	32,685
13	59.0	59.2	72.7	7,206	13,532	20,738	42,076
14	67.0	67.0	81.5	7,531	13,909	21,440	42,799
15	59.9	60.0	77.5	9,059	14,082	23,141	8,669
16	60.8	60.8	68.0	10,026	15,040	25,066	41,531
17	59.6	59.5	73.6	8,285	13,186	21,471	43,888
18	58.0	57.9	67.0	7,172	11,078	18,250	36,676
19	57.8	57.8	59.1	7,149	10,819	17,967	32,424
20	56.9	56.9	53.9	7,040	10,627	17,667	33,473
21	65.5	64.8	56.8	7,464	12,839	20,303	33,670
22	81.5	81.5	70.2	8,400	16,803	25,203	38,499
23	61.5	61.5	65.9	6,336	12,658	18,993	36,950
24	57.3	57.4	64.4	6,212	12,128	18,340	38,595
25	60.8	60.8	69.5	6,561	12,669	19,231	42,956
26	60.1	60.1	67.5	6,817	11,775	18,592	41,791
27	56.1	56.1	60.9	6,331	10,953	17,284	34,487
28	52.9	52.2	53.6	6,215	11,395	17,610	28,036
29	46.6	47.0	51.8	7,809	12,555	20,364	5,004
30	38.7	38.7	49.5	7,190	10,365	17,555	30,603
Monthly Total				190,993	313,004	503,997	877,381
Monthly Avg	51.4	51.4	54.2	6,366	10,433	16,800	29,246

NOTES : ' -- ' indicates system offline
- Liquid alum consumption (kg) at 48.5% by weight (solution delivered to sites at a concentration of 48.5%)
- NSF limit for liquid alum is **194 mg/L**

1.2.18 Primary Polymer (Magnafloc LT 27AG) Chemical Consumption

April 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	0.25	0.25	0.18	15	25	41	50
2	0.25	0.25	0.17	12	19	32	41
3	0.17	0.17	0.16	9	12	21	42
4	0.21	0.21	0.17	12	16	28	46
5	0.25	0.25	0.18	15	25	40	50
6	0.28	0.28	0.20	17	23	40	55
7	0.30	0.30	0.21	18	24	42	59
8	0.30	0.30	0.21	18	24	42	59
9	0.30	0.30	0.20	18	24	42	54
10	0.30	0.30	0.20	18	27	45	55
11	0.28	0.28	0.20	17	28	45	58
12	0.25	0.25	0.20	15	25	40	58
13	0.25	0.25	0.22	15	28	43	62
14	0.25	0.25	0.22	14	25	39	56
15	0.25	0.25	0.22	18	28	47	12
16	0.25	0.25	0.22	20	30	50	65
17	0.25	0.25	0.22	17	27	44	64
18	0.25	0.25	0.22	15	23	38	58
19	0.25	0.25	0.22	15	23	38	58
20	0.25	0.25	0.24	15	23	38	71
21	0.27	0.28	0.24	15	27	42	69
22	0.35	0.35	0.22	17	35	52	60
23	0.32	0.32	0.21	16	32	48	58
24	0.30	0.30	0.21	16	31	47	59
25	0.30	0.30	0.22	16	30	46	66
26	0.30	0.30	0.23	17	29	45	69
27	0.30	0.30	0.20	16	28	45	55
28	0.30	0.30	0.20	17	32	49	51
29	0.30	0.30	0.20	24	39	63	9
30	0.31	0.31	0.19	28	41	69	57
Monthly Total				495	802	1,296	1,628
Monthly Avg	0.27	0.27	0.21	16	27	43	54

NOTES: ' -- ' indicates system offline or primary polymer not being used
- Primary polymer consumption (kg) at 100% by weight mixed at the sites to required solution
- NSF limit for Magnafloc LT 27AG is **1.00 mg/L**

1.2.19 Carbon Chemical Consumption

April 2026

Day	Dosage (mg/L)			Consumption (kg)			
	Rossdale		E.L. Smith	Rossdale			E.L. Smith
	Plant 1	Plant 2		Plant 1	Plant 2	Plant Total	
1	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--
4	4.45	4.29	4.17	254	331	584	1,169
5	10.1	9.07	10.4	604	902	1,506	2,916
6	20.6	20.8	21.2	1,239	1,680	2,919	5,938
7	29.6	29.6	27.5	1,775	2,365	4,140	7,704
8	28.9	28.6	24.1	1,736	2,286	4,021	6,762
9	23.2	23.7	19.4	1,395	1,892	3,287	5,201
10	21.0	21.6	20.1	1,261	1,973	3,233	5,548
11	13.4	13.0	7.64	801	1,303	2,104	2,233
12	--	--	--	--	--	--	--
13	3.72	3.78	3.48	221	419	639	976
14	10.1	10.0	9.83	553	1,010	1,563	2,505
15	10.1	10.0	9.94	739	1,142	1,881	539
16	10.1	10.0	9.36	806	1,204	2,009	2,771
17	10.1	10.0	10.0	682	1,080	1,762	2,907
18	9.96	10.1	9.98	598	933	1,531	2,650
19	10.1	10.0	10.0	606	913	1,518	2,671
20	10.1	10.0	9.84	606	910	1,515	2,965
21	10.1	10.0	9.92	558	965	1,523	2,854
22	10.1	10.0	9.93	505	1,005	1,510	2,643
23	10.1	10.0	9.68	505	1,003	1,509	2,633
24	10.1	10.0	10.0	530	1,030	1,560	2,915
25	10.1	10.0	9.83	528	1,015	1,543	2,949
26	10.1	10.0	9.94	554	954	1,508	2,987
27	7.39	7.31	7.51	405	693	1,098	2,063
28	--	--	0.05	--	--	--	12
29	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--
Monthly Total				17,458	27,008	44,466	74,510
Monthly Avg	12.8	12.7	11.4	759	1,174	1,933	3,105

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

April 2026

Day	Rossdale					E.L. Smith	
	Dosage (mg/L)		Consumption (kg)			Dosage (mg/L)	Consumption (kg)
	Plant 1	Plant 2	Plant 1	Plant 2	Plant Total		
1	2.48	2.48	18,604	31,006	53,253	2.85	103,836
2	2.46	2.46	15,458	24,267	42,184	2.88	93,424
3	2.45	2.45	15,299	21,437	38,804	2.85	99,225
4	2.42	2.43	17,268	23,362	43,308	2.93	108,202
5	2.47	2.47	18,536	30,679	54,071	3.08	113,612
6	2.58	2.57	19,323	25,940	50,429	3.30	121,546
7	2.87	2.87	21,548	28,732	55,637	3.54	130,273
8	2.89	2.90	21,698	28,979	55,759	3.45	127,504
9	2.82	2.85	21,124	28,544	53,996	3.41	120,395
10	2.76	2.78	20,673	31,774	56,866	3.35	121,778
11	2.79	2.79	20,927	34,839	60,450	3.24	124,850
12	2.76	2.76	20,713	34,449	59,925	3.28	124,798
13	2.65	2.65	19,626	36,732	60,257	3.56	131,544
14	2.75	2.80	18,762	35,162	57,958	3.63	121,670
15	2.80	2.80	25,648	39,858	70,753	3.67	26,169
16	2.79	2.80	27,924	41,999	74,774	3.42	133,294
17	2.76	2.79	23,231	37,466	64,698	3.33	126,727
18	2.70	2.77	20,249	32,120	56,425	3.27	114,364
19	2.65	2.64	19,875	30,007	52,644	3.36	117,418
20	2.59	2.57	19,426	29,093	51,341	3.32	131,626
21	2.51	2.49	17,321	29,849	50,266	3.35	126,860
22	2.43	2.43	15,184	30,419	48,883	3.40	119,121
23	2.43	2.47	15,171	30,810	49,571	3.44	123,259
24	2.45	2.45	16,088	31,385	50,816	3.31	126,727
25	2.39	2.39	15,610	30,157	48,858	3.27	129,075
26	2.35	2.35	16,128	27,859	46,839	3.34	131,961
27	2.37	2.40	16,255	28,400	47,399	3.38	122,209
28	2.38	2.41	16,925	31,867	51,660	3.44	114,714
29	2.43	2.43	24,712	39,298	68,359	3.45	21,275
30	2.57	2.59	28,906	41,951	77,965	3.55	139,992
Monthly Total			588,209	948,441	1,654,149		3,447,450
Monthly Avg	2.59	2.60	19,607	31,615	55,138	3.32	114,915

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

April 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.12	0.10	18	28
2	0.10	0.10	12	25
3	0.10	0.10	11	26
4	0.10	0.10	12	28
5	0.10	0.10	15	28
6	0.10	0.11	13	30
7	0.10	0.12	13	34
8	0.10	0.12	12	34
9	0.10	0.12	12	32
10	0.10	0.12	14	33
11	0.10	0.12	15	35
12	0.10	0.12	14	35
13	0.10	0.12	15	34
14	0.10	0.12	14	31
15	0.10	0.11	17	6
16	0.10	0.14	18	41
17	0.10	0.14	16	40
18	0.10	0.14	14	37
19	0.10	0.14	13	38
20	0.12	0.16	16	48
21	0.15	0.17	19	48
22	0.15	0.17	20	46
23	0.15	0.17	20	47
24	0.15	0.17	20	51
25	0.15	0.19	20	56
26	0.15	0.19	20	57
27	0.15	0.18	20	49
28	0.15	0.18	22	46
29	0.15	0.17	29	8
30	0.15	0.18	31	53
Monthly Total			505	1,103
Monthly Avg	0.11	0.14	17	37

NOTES: ' -- ' indicates system offline

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

1.2.22-1 LAS Ammonia Chemical Consumption

April 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.53	0.58	806	1,542
2	0.53	0.58	649	1,375
3	0.52	0.58	590	1,473
4	0.52	0.58	644	1,569
5	0.52	0.58	792	1,560
6	0.52	0.58	701	1,565
7	0.52	0.58	688	1,552
8	0.52	0.58	685	1,558
9	0.52	0.58	680	1,481
10	0.51	0.59	734	1,539
11	0.50	0.59	765	1,648
12	0.50	0.59	763	1,639
13	0.50	0.59	817	1,580
14	0.50	0.60	740	1,459
15	0.50	0.57	902	210
16	0.50	0.60	970	1,691
17	0.50	0.60	838	1,658
18	0.50	0.60	738	1,526
19	0.50	0.60	696	1,496
20	0.50	0.61	689	1,705
21	0.50	0.61	685	1,659
22	0.50	0.61	692	1,529
23	0.50	0.61	688	1,546
24	0.50	0.60	717	1,637
25	0.50	0.60	707	1,674
26	0.50	0.60	694	1,678
27	0.50	0.60	699	1,548
28	0.50	0.60	781	1,430
29	0.50	0.58	1,033	189
30	0.50	0.61	1,079	1,709
Monthly Total			22,661	44,424
Monthly Avg	0.51	0.59	755	1,481

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

April 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	7.79	10.1	2,072	5,254
2	6.98	8.78	1,426	4,066
3	6.56	8.08	1,214	4,010
4	6.38	7.75	1,335	4,097
5	7.94	8.13	2,103	4,274
6	8.99	11.4	2,075	5,987
7	10.7	12.7	2,406	6,650
8	11.0	13.0	2,415	6,833
9	11.1	12.1	2,460	6,051
10	11.0	11.9	2,689	6,096
11	10.5	12.5	2,775	6,839
12	13.4	15.1	3,513	8,186
13	14.4	19.0	4,006	9,920
14	15.6	22.4	4,080	10,693
15	16.4	17.0	5,202	1,216
16	15.4	20.3	5,217	11,209
17	15.8	21.3	4,556	11,477
18	14.4	19.8	3,612	9,823
19	13.8	17.8	3,305	8,632
20	12.9	15.6	3,094	8,610
21	14.0	16.3	3,304	8,664
22	16.9	19.7	4,063	9,637
23	13.4	18.0	3,176	8,937
24	12.2	17.4	3,049	9,256
25	10.8	18.5	2,674	10,043
26	12.0	18.7	2,823	10,216
27	11.0	17.1	2,591	8,623
28	11.6	15.8	3,128	7,329
29	10.7	11.6	3,816	748
30	8.17	15.0	3,133	8,246
Monthly Total			91,312	221,625
Monthly Avg	11.7	15.1	3,044	7,387

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
April 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.65	0.63	445	752
2	0.66	0.63	362	671
3	0.64	0.63	324	717
4	0.64	0.63	356	764
5	0.64	0.63	438	760
6	0.64	0.63	388	762
7	0.64	0.63	380	750
8	0.64	0.62	379	747
9	0.64	0.62	376	710
10	0.64	0.62	415	730
11	0.64	0.62	440	777
12	0.64	0.62	439	773
13	0.64	0.62	470	744
14	0.65	0.62	433	680
15	0.66	0.59	535	97
16	0.66	0.64	576	805
17	0.66	0.64	497	793
18	0.66	0.64	437	731
19	0.66	0.64	413	714
20	0.66	0.64	408	810
21	0.66	0.64	406	779
22	0.66	0.64	410	718
23	0.66	0.64	408	731
24	0.67	0.64	431	782
25	0.68	0.64	432	800
26	0.68	0.64	424	801
27	0.68	0.64	427	741
28	0.68	0.64	477	683
29	0.68	0.61	631	90
30	0.68	0.64	658	805
Monthly Total			13,215	21,218
Monthly Avg	0.66	0.63	441	707

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

April 2026

Day	Dosage (mg/L)		Consumption (kg)		De-chlorinated Waste Stream to Outfall (ML)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	13.7	8.04	520	513	15	24
2	18.2	313	780	19,309	16	23
3	11.8	15.7	390	998	13	24
4	17.2	8.61	783	861	17	27
5	15.3	4.56	519	318	13	26
6	15.1	8.88	520	598	13	26
7	19.7	6.62	783	437	15	25
8	17.9	7.01	653	495	14	27
9	18.8	7.69	782	608	16	30
10	15.2	7.77	650	635	16	31
11	14.8	10.7	521	1,074	14	30
12	18.7	15.4	651	1,157	13	29
13	19.1	14.8	649	1,285	13	33
14	17.0	14.3	651	1,116	15	30
15	20.3	15.0	781	1,125	15	28
16	15.3	8.35	520	835	13	34
17	15.8	11.8	649	1,180	16	32
18	12.6	8.50	390	569	12	25
19	12.2	11.1	649	1,105	20	37
20	10.8	14.2	521	1,408	18	38
21	11.5	16.3	653	1,474	22	36
22	15.9	14.8	783	1,320	19	34
23	12.3	11.9	653	1,186	20	36
24	13.8	12.3	651	1,230	18	37
25	12.6	13.8	649	1,508	20	42
26	10.5	13.7	520	1,368	19	43
27	12.0	14.1	520	1,406	17	34
28	18.7	14.1	651	1,406	13	37
29	14.9	15.0	521	1,216	13	31
30	16.9	16.8	650	1,897	15	43
Monthly Total			18,614	49,639	473	954
Monthly Avg	15.3	21.8	620	1,655	16	32

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

April 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	Total	De-Chlorin'd Waste Stream 3			De-Chlorin'd Waste Stream 7		
Volume (ML)		359	0.0	95	25	0.0	479	58.20			415.08		
Solids (kg)	TSS	726,441	0	5,174			731,615						
	Aluminium	22,056	0	1,791			23,847						
# of Bypasses						0		Min	Max	Avg	Min	Max	Avg
pH								6.4	8.4	7.7	6.8	7.8	7.2
Total Chlorine (mg/L)								0.00	0.00	0.00	0.00	0.00	0.00
Sulfite (mg/L)								1.22	20.0	5.54	1.39	20.0	5.23

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

April 2026

		Clarifier Blowdown	Clarifier Washdown *	Backwash Water	Filter To Waste	Bypass	LLP Flush	HLP Cooling	Total	De-chlorinated Waste flow to		
Volume (ML)		222	0.0	309	237	69	1.4	24	863	954		
Solids (kg)	TSS	821,551	0	30,143					851,693			
	Aluminium	38,294	0	10,434					48,728			
# of Bypasses						3				Min	Max	Avg
pH										6.76	8.16	7.17
Total Chlorine (mg/L)										0.00	0.00	0.00
Sulphite (mg/L)										0.01	20.0	4.47

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

April 2026

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

2026 - HIGH 5-DAY DEMAND

	PLANTS PROD (ML/d)	RES. GAIN / LOSS (%)	RES. GAIN / LOSS (ML)	TOTAL DEMAND (ML)
09-Apr-2026	365	-3.1	-19.7	385
10-Apr-2026	384	-0.3	-2.1	386
11-Apr-2026	413	5.0	31.4	382
12-Apr-2026	411	3.4	21.6	390
13-Apr-2026	409	3.2	20.4	389
			AVERAGE:	386

Year to Date Data	2026	2025	% CHANGE
TOTAL PRODUCTION TO DATE (ML)	45,156	44,580	1.3
AVG. DAILY DEMAND TO DATE (ML)	377	371	1.5
PEAK DAILY DEMAND TO DATE (ML)	395	408	(3.3)
PEAK HOURLY DEMAND TO DATE (ML)	521	523	(0.5)
HIGH 5-DAY AVERAGE TO DATE (ML)	386	393	(1.7)

Peak daily demand of 395 ML/d occurred on April 30, 2026

Peak hourly demand of 521 ML/d occurred on April 6, 2026 @ 20:00

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

April 2026

Reservoir	Papaschase 1			Ormsby			Clareview Discharge			Millwoods Discharge			Kaskitayo			Discovery Park		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	1.85	1.95	1.91	1.48	2.00	1.93	1.39	1.63	1.58	1.64	1.80	1.77	1.66	1.71	1.69	1.31	1.43	1.38
2	1.84	1.94	1.89	1.36	1.97	1.92	1.41	1.82	1.58	1.71	1.82	1.77	1.67	1.70	1.68	1.30	1.41	1.37
3	1.75	2.03	1.87	1.84	1.96	1.89	1.54	1.87	1.58	1.72	1.79	1.76	1.67	1.84	1.68	1.30	1.41	1.35
4	1.76	1.94	1.88	1.85	1.99	1.91	1.29	1.86	1.55	1.75	1.83	1.78	1.68	1.75	1.72	1.26	1.34	1.30
5	1.62	2.03	1.90	1.88	1.99	1.94	--	--	--	1.75	1.86	1.80	1.73	1.79	1.74	1.24	1.31	1.28
6	1.67	2.02	1.89	1.95	2.02	1.99	1.31	1.94	1.54	1.78	1.91	1.83	1.64	1.91	1.76	1.20	1.29	1.25
7	1.62	2.01	1.89	1.92	2.03	1.99	1.52	1.52	1.52	1.78	1.89	1.84	1.75	1.80	1.77	1.16	1.39	1.28
8	1.68	2.05	1.91	1.80	2.09	2.00	1.43	1.89	1.51	1.67	1.88	1.84	1.73	1.80	1.76	1.30	1.39	1.36
9	1.64	2.02	1.92	1.61	2.04	1.98	1.30	1.61	1.54	1.77	1.87	1.83	1.72	1.77	1.74	1.29	1.39	1.35
10	1.65	1.98	1.91	1.94	2.16	1.97	1.45	1.85	1.54	1.26	1.85	1.81	1.71	1.75	1.73	1.28	1.39	1.35
11	1.71	2.01	1.90	1.94	2.04	1.99	1.31	1.90	1.56	1.76	1.86	1.81	1.71	1.81	1.74	1.31	1.37	1.34
12	1.64	2.00	1.89	1.93	2.02	1.98	1.28	1.80	1.56	1.78	1.86	1.81	1.72	1.76	1.74	1.28	1.35	1.32
13	1.76	2.04	1.87	1.92	2.00	1.96	--	--	--	1.77	1.85	1.81	1.71	1.78	1.73	1.23	1.32	1.28
14	1.77	1.98	1.87	1.88	2.02	1.96	1.48	1.84	1.56	1.78	1.86	1.82	1.55	1.83	1.73	1.20	1.33	1.28
15	1.58	1.92	1.83	1.88	1.97	1.94	1.45	1.85	1.54	1.75	1.86	1.80	1.67	1.74	1.71	1.24	1.32	1.29
16	1.44	2.04	1.84	1.88	1.96	1.93	1.21	1.79	1.50	1.58	1.83	1.79	1.68	1.86	1.71	1.21	1.32	1.28
17	1.75	1.94	1.88	1.92	1.98	1.95	1.27	1.89	1.52	1.69	1.85	1.81	1.70	1.85	1.72	1.26	1.38	1.32
18	1.84	1.99	1.91	1.91	1.96	1.94	1.51	1.55	1.54	1.75	1.85	1.79	1.69	1.75	1.72	1.28	1.37	1.33
19	1.84	1.97	1.87	1.36	1.98	1.92	--	--	--	1.73	1.84	1.79	1.55	1.87	1.72	1.26	1.33	1.30
20	1.70	2.00	1.86	1.88	1.97	1.92	1.35	1.80	1.49	1.75	1.84	1.79	1.70	1.86	1.73	1.25	1.33	1.29
21	1.47	1.90	1.84	1.82	1.96	1.94	1.28	1.85	1.51	1.74	1.83	1.79	1.72	1.81	1.75	1.24	1.40	1.32
22	--	--	--	1.89	1.98	1.94	1.29	1.83	1.52	1.75	1.85	1.79	1.73	1.89	1.75	1.26	1.38	1.33
23	1.78	1.91	1.85	1.89	1.95	1.93	1.39	1.80	1.50	1.74	1.84	1.80	1.74	1.83	1.76	1.23	1.33	1.29
24	1.81	2.00	1.88	1.85	1.98	1.94	1.39	1.51	1.49	1.69	1.85	1.81	1.73	1.99	1.79	1.22	1.30	1.26
25	1.72	1.96	1.86	1.83	2.03	1.96	1.33	1.88	1.44	1.78	1.85	1.81	1.75	1.86	1.77	1.19	1.27	1.24
26	1.63	1.96	1.84	1.85	1.98	1.94	1.24	1.86	1.43	1.69	1.84	1.80	1.73	1.77	1.75	1.17	1.25	1.21
27	--	--	--	1.92	1.99	1.95	1.44	1.56	1.50	1.75	1.83	1.80	1.72	1.78	1.74	1.12	1.23	1.18
28	1.41	2.00	1.82	1.94	1.98	1.96	--	--	--	1.78	1.86	1.82	1.73	1.78	1.75	1.09	1.22	1.17
29	1.69	1.81	1.78	1.85	1.96	1.94	1.20	1.82	1.44	1.78	1.85	1.79	1.71	1.77	1.74	1.11	1.20	1.15
30	--	--	--	1.90	1.96	1.94	1.30	1.73	1.51	1.72	1.83	1.78	1.71	1.84	1.73	1.09	1.15	1.12
Monthly Min/Max/Avg	1.41	2.05	1.87	1.36	2.16	1.95	1.20	1.94	1.52	1.26	1.91	1.80	1.55	1.99	1.74	1.09	1.43	1.28

NOTES: '--' Indication Analyzer Offline

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

April 2026

Reservoir	Rosslyn 1			Londonderry			N. Jasper Place			Rosslyn 2			Thorncliffe			Blackmud Creek		
Day	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1				1.70	1.90	1.75	1.63	2.01	1.71	1.47	1.78	1.66	1.70	1.98	1.73	1.54	1.59	1.57
2	1.66	1.79	1.73	1.55	1.87	1.76	1.64	1.97	1.70	1.53	1.83	1.66	1.59	1.92	1.71	1.54	1.58	1.56
3	1.67	1.79	1.71	1.56	1.84	1.74	1.61	1.96	1.68	1.48	1.96	1.66	1.68	1.96	1.70	1.53	1.57	1.55
4				1.58	1.86	1.75	1.64	1.99	1.67	1.44	1.80	1.64	1.68	1.96	1.71	1.54	1.59	1.56
5	--	--	--	1.63	1.90	1.78	1.67	2.01	1.69	1.47	2.01	1.64	--	--	--	1.57	1.61	1.60
6	--	--	--	1.69	1.88	1.75	1.42	2.02	1.72	1.54	2.03	1.65	1.47	2.02	1.77	1.59	1.67	1.63
7	1.74	1.75	1.75	1.70	1.86	1.78	1.44	2.04	1.68	1.44	2.07	1.68	1.73	2.02	1.76	1.63	1.69	1.66
8	1.73	1.75	1.74	1.71	1.85	1.77	1.66	2.07	1.71	1.52	1.99	1.67	--	--	--	1.65	1.69	1.68
9	1.71	1.82	1.77	1.68	1.89	1.76	1.55	2.02	1.70	1.47	1.92	1.66	1.51	1.99	1.72	1.65	1.69	1.67
10	1.72	1.81	1.77	1.69	1.86	1.77	1.57	1.98	1.69	1.38	1.82	1.65	1.68	2.11	1.72	1.63	1.67	1.64
11	--	--	--	1.70	1.87	1.76	1.68	1.95	1.74	1.46	2.02	1.66	1.54	1.96	1.76	1.61	1.67	1.64
12	1.73	1.81	1.77	1.70	1.85	1.75	1.72	1.99	1.75	1.49	1.97	1.68	1.74	1.94	1.76	1.63	1.67	1.65
13	--	--	--	1.70	1.82	1.74	1.71	1.94	1.76	1.58	1.99	1.69	--	--	--	1.61	1.66	1.65
14	1.69	1.79	1.75	1.73	1.84	1.77	1.65	2.03	1.70	1.54	1.91	1.69	1.63	1.98	1.71	1.65	1.68	1.67
15	1.70	1.77	1.74	1.70	1.83	1.74	1.52	1.74	1.67	1.53	1.80	1.67	1.32	1.94	1.68	1.66	1.71	1.68
16	1.69	1.72	1.71	1.70	1.83	1.75	1.66	1.83	1.68	1.52	1.80	1.65	1.64	1.93	1.68	1.66	1.82	1.49
17	--	--	--	1.70	1.86	1.76	1.69	1.97	1.74	1.48	1.95	1.67	1.75	1.99	1.78	1.68	1.70	1.69
18	1.70	1.77	1.74	1.70	1.86	1.74	1.67	1.95	1.73	1.54	1.97	1.68	1.73	1.95	1.78	1.67	1.70	1.69
19	--	--	--	1.70	1.85	1.75	1.72	2.02	1.74	1.51	1.96	1.67	1.47	1.94	1.77	1.68	1.71	1.69
20	1.72	1.77	1.74	1.68	1.86	1.75	1.59	1.96	1.71	1.54	1.94	1.68	1.69	1.93	1.72	1.68	1.71	1.70
21	1.65	1.77	1.74	1.74	1.87	1.76	--	--	--	1.44	1.75	1.65	1.71	1.98	1.73	1.67	1.69	1.68
22	1.71	1.79	1.74	1.69	1.81	1.73	1.68	2.02	1.71	1.47	1.85	1.64	1.67	2.00	1.70	1.64	1.68	1.67
23	1.70	1.73	1.71	1.70	1.80	1.73	1.62	1.86	1.68	1.51	1.76	1.63	1.67	1.99	1.70	1.63	1.67	1.65
24	--	--	--	1.68	1.82	1.72	1.68	2.00	1.70	1.49	1.91	1.64	1.70	2.00	1.73	1.63	1.66	1.65
25	--	--	--	1.66	1.80	1.69	1.70	2.05	1.74	1.52	1.93	1.66	1.74	1.95	1.75	1.64	1.68	1.65
26	--	--	--	1.69	1.85	1.74	1.68	2.01	1.73	1.61	1.95	1.66	1.76	1.95	1.78	1.64	1.66	1.65
27	1.71	1.77	1.75	1.68	1.83	1.74	1.60	1.99	1.72	1.54	1.88	1.65	1.72	2.01	1.75	1.64	1.66	1.65
28	--	--	--	1.67	1.83	1.75	1.66	2.02	1.72	1.57	1.68	1.63	1.71	2.03	1.75	1.64	1.68	1.67
29	1.68	1.77	1.71	1.69	1.82	1.73	1.65	1.79	1.68	1.45	1.82	1.62	1.68	2.03	1.70	1.67	1.69	1.68
30				1.70	1.84	1.72				1.44	1.79	1.61	1.68	1.94	1.72	1.65	1.68	1.67
Monthly Min/Max/Avg	1.65	1.82	1.74	1.55	1.90	1.75	1.42	2.07	1.71	1.38	2.07	1.66	1.32	2.11	1.73	1.53	1.82	1.64

NOTES: '--' Indication Analyzer Offline

1.2.31 Orthophosphate Chemical
April 2026

Day	Dosage (mg/L)		Consumption (kg)	
	Rossdale	E.L. Smith	Rossdale	E.L. Smith
1	0.90	0.85	524	920
2	0.90	0.85	442	863
3	0.90	0.85	418	844
4	0.90	0.85	438	921
5	0.90	0.85	535	921
6	0.90	0.85	478	900
7	0.90	0.85	536	882
8	0.90	0.85	459	1,014
9	0.90	0.66	485	664
10	0.90	0.90	457	910
11	0.90	0.90	555	1,063
12	0.90	0.86	584	910
13	0.90	0.84	620	899
14	0.90	0.85	490	947
15	0.90	0.85	696	76
16	0.90	0.85	705	881
17	0.90	0.90	601	974
18	0.90	0.90	513	938
19	0.90	0.90	501	927
20	0.90	0.89	500	906
21	0.90	0.88	470	1,003
22	0.90	0.90	495	863
23	0.90	0.90	500	867
24	0.90	0.90	531	998
25	0.90	0.90	553	972
26	0.90	0.90	483	972
27	0.90	0.90	484	951
28	0.90	0.90	612	933
29	0.90	0.90	707	80
30	0.90	0.90	766	923
Monthly Total			16,136	25,922
Monthly Avg	0.90	0.87	538	864

NOTES: ' -- ' indicates plant offline

- Fluoride consumption (kg) at 100% by weight (solution delivered to sites at a concentration of 21.8%)

1.2.32 Summary of Mainbreaks

April 2026

Date and Time Reported	Location of Mainbreak	Repaired (Time)	Size	Type**
4/2/2026 14:57	12115-150 AVENUE NW	4/3/2026 12:00	200	AC
4/5/2026 15:17	1935-65 STREET NW	4/6/2026 13:20	200	AC
4/9/2026 16:46	4608-106 AVENUE NW	4/10/2026 12:25	150	CI
4/10/2026 8:55	9674-81 STREET NW	4/13/2026 12:45	150	CI
4/13/2026 17:59	7903-159 STREET NW	4/14/2026 18:27	250	CI
4/15/2026 7:23	9803-75 AVENUE NW	5/2/2026 12:02	150	CI
4/15/2026 9:18	9407-134 AVENUE NW	4/15/2026 18:15	200	CI
4/15/2026 9:22	14820-96 STREET NW	Work in Progress	150	AC
4/15/2026 15:42	10516-82 AVENUE NW	4/16/2026 11:30	200	CI
4/15/2026 20:59	11507-42 AVENUE NW	4/16/2026 15:50	150	AC
4/16/2026 7:32	6433-111A STREET NW	4/16/2026 18:27	200	CI
4/16/2026 19:51	8415D-169 STREET NW	4/19/2026 15:35	150	CI
4/16/2026 23:41	12518-127 AVENUE NW	4/18/2026 0:29	200	CI
4/18/2026 0:30	12518-127 AVENUE NW	4/18/2026 18:00	200	CI
4/19/2026 15:36	8415D-169 STREET NW	4/19/2026 16:01	150	CI
4/22/2026 12:01	15014-83 AVENUE NW	4/22/2026 19:16	300	CI
4/22/2026 19:49	9311-51 AVENUE NW	4/23/2026 17:15	150	CI
4/30/2026 11:26	14327-112 AVENUE NW	4/30/2026 18:00	200	AC

Month	Total Breaks By Month
Jan-26	31
Feb-26	24
Mar-26	24
Apr-26	18
May-26	
Jun-26	
Jul-26	
Aug-26	
Sep-26	
Oct-26	
Nov-26	
Dec-26	
YTD 2026	**97**

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

April 2026

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO3/L)	60	107.1	94.0 - 126.0	239	120.5	91.0 - 139.0		
Aluminum (mg/L)	2	0.017	0.016 - 0.018	8	0.073	0.016 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	10	<0.005	<0.005	36	0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	60	1.1	0.5 - 1.6	239	1.0	<0.5 - 2.0		
Cadmium (mg/L)	2	<0.00002	<0.00002	8	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO3)	60	107.2	96.0 - 120.0	239	118.6	96.0 - 136.0		
Chlorate Dissolved (mg/L)	10	0.17	0.09 - 0.29	36	0.19	0.09 - 0.50	1.00	
Chloride Dissolved (mg/L)	10	8.4	6.6 - 10.5	36	7.5	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	60	2.01	1.90 - 2.11	239	2.01	1.82 - 2.21		
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	36	0.009	<0.005 - 0.136	1.000	
Chloroform (µg/L)	60	7.3	3.8 - 14.3	239	10.9	3.8 - 19.5	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002	0.0500	
Colour (TCU)	60	0.6	<0.5 - 1.5	239	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	9	395.6	368.0 - 418.0	35	401.3	357.0 - 434.0		
Copper (mg/L)	2	<0.002	<0.002	8	<0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	8	<0.1	<0.1		
Fluoride (mg/L)	60	0.68	0.62 - 0.74	239	0.70	0.62 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	8	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	12.35	11.30 - 13.40	8	15.53	11.30 - 18.60	80.00	40.00
Iron (mg/L)	2	<0.005	<0.005	8	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	0.003	<0.002 - 0.003	8	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	8	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	10	0.09	0.06 - 0.10	36	0.10	0.06 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	10	0.02	0.02	36	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	8	0.00092	<0.0009 - 0.00104	0.04000	0.01000
pH	60	8	8	239	8	8		7 - 8
Potassium (mg/L)	2	2.0	2.0	8	1.1	0.7 - 2.0		
Sodium (mg/L)	2	19.1	16.5 - 21.6	8	10.6	6.6 - 21.6	(200.0)	
Sulphate Dissolved (mg/L)	10	78.4	76.6 - 83.6	36	72.5	62.0 - 95.5	(500.0)	
Total Dissolved Solids (mg/L)	2	219.00	216.00 - 222.00	8	223.13	214.00 - 237.00	(500.00)	
Total Hardness (mg/L CaCO3)	60	161.8	146.0 - 182.0	239	179.3	146.0 - 204.0		
Total Organic Carbon (mg/L)	8	1.4	0.9 - 1.8	34	1.4	0.9 - 1.8		
Trihalomethanes (µg/L)	60	8.6	5.3 - 16.0	239	11.9	5.3 - 20.7	100.0	50.0
Turbidity (NTU)	60	0.05	<0.04 - 0.09	239	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	8	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	8	<0.005	<0.005	(5.000)	

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

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

2.1.3 QUALITY ASSURANCE – April 2026

Drinking water quality must meet the requirements in the Alberta Environment and Protected Areas *Approval-to-Operate* (638-04-02) and the limits set out in the latest version of the Health Canada *Guidelines for Canadian Drinking Water Quality (GCDWQ)*. The latest internet edition of the *GCDWQ* was issued in December 2025. Health Canada updates their on-line document regularly, but they recommend always consulting individual guideline technical documents and guidance documents on Health Canada's website, "Water Quality—Reports and Publications" for the most current information. Guideline limits are listed as Maximum Acceptable Concentrations (MAC), Aesthetic Objectives (AO) or Operational Guidelines (OG). The latest edition of Health Canada's Guidelines includes parameter types, commons sources, health considerations and application of the guideline.

In addition, for treated water in the distribution system, total chlorine residual values under 0.5 mg/L are not necessarily violations of the approval but do require immediate follow-up action and re-sampling. A violation of the current *Approval-to-Operate* (638-04-02) requirements occurs if the chlorine residual in more than 25% of follow-up samples are < 0.5 mg/L. Alberta Environment and Protected Areas is to be notified of any single positive total coliform sample and follow-up sampling is done according to the *Communication and Action Protocol for Failed Bacteriological Results in Drinking Water*. Any sample that is positive for *E. coli* is also considered a violation and requires follow-up action and re-sampling. A repeat total coliform positive from the same location is also considered a violation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Variance Category[1]	This Month	YTD
Turbidity > 1 NTU	4	10
Chlorine < 1 mg/L or > 2.4 mg/L	0	2
Single Positive Coliform	1	1
THMs > 50 µg/L	0	0
Pipe Lube, Odour, UV positive	0	0
Aluminum[2] > 0.20 (or 0.1) mg/L	0	2
Iron > 0.10 mg/L	0	2
Other	0	0
Total Variances + Violations	5	17

2.2.1 BACTERIOLOGICAL DATA

Water Treatment Plants

April 2026

Location	#	Mean	Range	YTD #	YTD Mean	YTD Range
EL Smith Raw						
Coliforms total (MPN/100 mL)	5	616.7	25.6 - 1732.9	17	268.1	22.8 - 1732.9
E. coli (MPN/100 mL)	5	3.5	1.0 - 7.4	17	2.8	1.0 - 20.0
Rossdale Raw						
Cellular ATP (pg/mL)	1	183.5	183.5	5	144.2	14.6 - 303.8
Coliforms total (MPN/100 mL)	30	579.8	113.7 - 1986.3	117	563.3	25.3 - 6510.0
E. coli (MPN/100 mL)	30	42.7	2.0 - 104.0	117	43.9	1.0 - 914.0
EL Smith Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.2	120	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	30	-VE	-VE	118	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	118	-VE	-VE
Rossdale Treated						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.4	118	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	30	-VE	-VE	116	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	116	-VE	-VE
EL Smith Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.4	120	0.1	<0.10 - 0.4
Coliforms total (PA/100mL)	30	-VE	-VE	118	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	118	-VE	-VE
Rossdale Reservoir						
Cellular ATP (pg/mL)	30	0.1	<0.10 - 0.1	119	0.1	<0.10 - 0.3
Coliforms total (PA/100mL)	30	-VE	-VE	118	-VE	-VE
E. coli (PA/100mL)	30	-VE	-VE	118	-VE	-VE

2.2.2 BACTERIOLOGICAL DATA

Distribution System

April 2026

Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Cellular ATP (pg/mL)	115	0.2	<0.10 - 0.9	464	0.2	<0.10 - 9.4
Chlorine total (mg/L)	219	1.81	1.18 - 2.02	865	1.83	0.35 - 2.42
Coliforms total (MPN/100 mL)	7	Not Detected	Not Detected	9	Not Detected	Not Detected
Coliforms total (PA/100mL)	205	-VE	+VE	849	-VE	+VE - -VE
E. coli (MPN/100 mL)	7	Not Detected	Not Detected	9	Not Detected	Not Detected
E. coli (PA/100mL)	205	-VE	-VE	849	-VE	-VE
Turbidity (NTU)	219	0.13	<0.04 - 1.31	865	0.13	<0.04 - 1.48

212

Count of Bacteriological Tests

104%

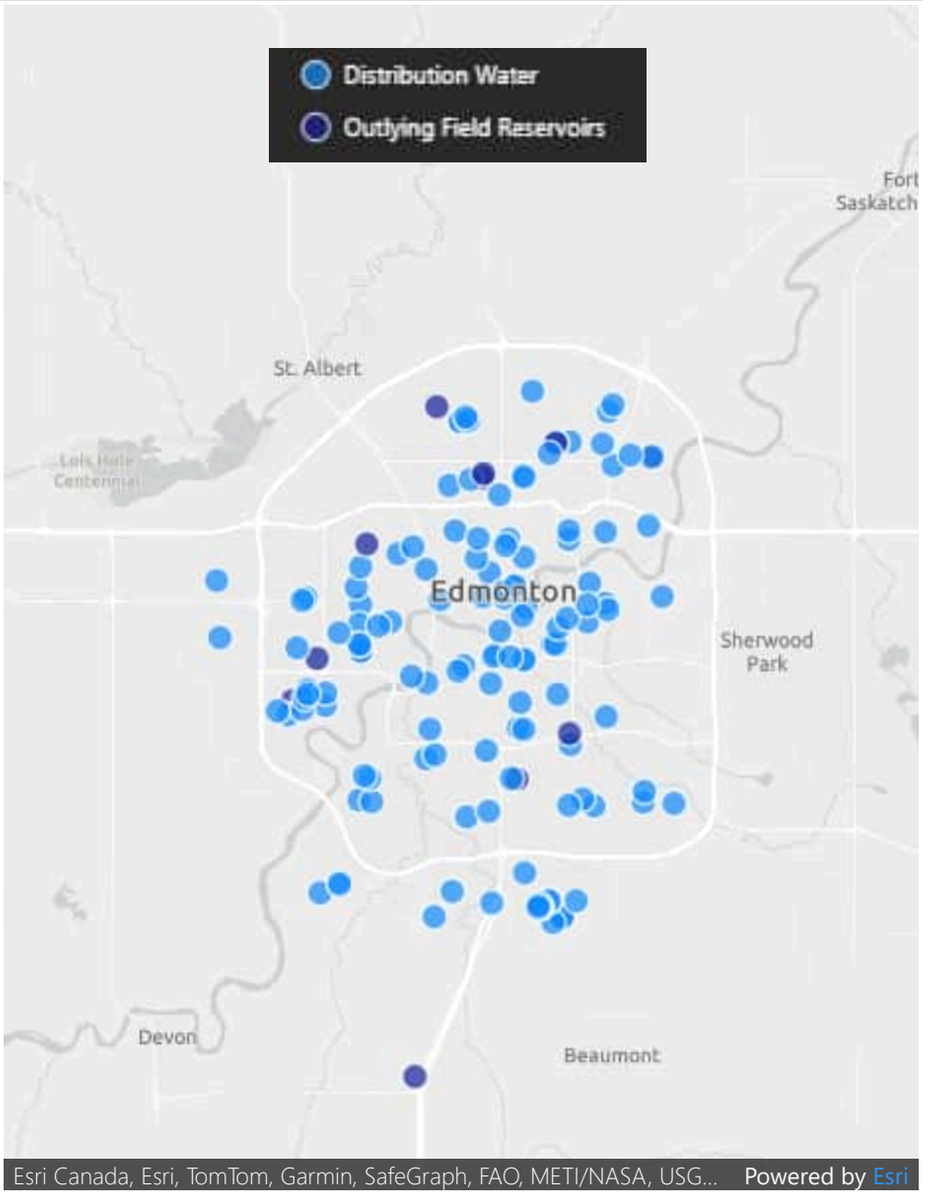
Percent of Target Sampling (210)

55%

Analyzed by AHS

45%

Analyzed by Epcor



2.2.3 SUMMARY OF GIARDIA AND CRYPTOSPORIDIUM

Water Treatment Plants

April 2026

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

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	118	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	4	<0.1	<0.1		
E. coli (PA/100mL)	30	-VE	-VE	118	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	4	<0.1	<0.1		
Physical								
Colour (TCU)	30	0.6	<0.5 - 1.3	119	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	4	389.8	368.0 - 418.0	17	400.9	357.0 - 430.0		
pH	30	8	8	119	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	216.00	216.00	4	222.50	214.00 - 231.00	(500.00)	
Turbidity (NTU)	30	0.04	<0.04 - 0.06	119	0.05	<0.04 - 0.32	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.053	0.053	4	0.060	0.053 - 0.063	2.000	
Boron (mg/L)	1	0.014	0.014	4	0.011	0.009 - 0.014	5.000	
Bromate Dissolved (mg/L)	5	<0.005	<0.005	18	0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	5	0.25	0.21 - 0.29	18	0.26	0.20 - 0.50	1.00	
Chlorine total (mg/L)	30	2.01	1.90 - 2.11	119	2.01	1.82 - 2.21		
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	18	0.012	<0.005 - 0.136	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.69	0.65 - 0.74	119	0.72	0.65 - 0.78	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	4	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	5	0.09	0.06 - 0.10	18	0.10	0.06 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	18	0.02	0.02	1.00	
Selenium (mg/L)	1	<0.0002	<0.0002	4	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0006	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.050	<0.050	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.050	<0.050	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.050	<0.050	30.000	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	2.0	
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Dicamba (µg/L)				1	<0.10	<0.10	110.00	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				1	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	13.40	13.40	4	16.25	13.40 - 18.60	80.00	40.00
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	119	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	4	<0.0009	<0.0009	0.04000	0.01000
Omethoate (µg/L)				1	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)				1	<2.0	<2.0		
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total PFAS (ng/L)				1	<12.0	<12.0		
Trichloroethylene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trihalomethanes (µg/L)	30	9.1	6.4 - 16.0	119	13.0	6.4 - 20.7	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	119	<1.0	<0.50 - <1.0	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	104.6	94.0 - 121.0	119	119.3	91.0 - 138.0		
Aluminum (mg/L)	1	0.016	0.016	4	0.081	0.016 - 0.172	2.900 (0.100)	
Ammonia as NH3 (mg/L)	15	0.09	0.05 - 0.13	62	0.10	<0.05 - 0.19		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	18	0.03	<0.03		
Calcium (mg/L)	1	40.9	40.9	4	48.9	40.9 - 52.7		
Calcium Hardness (mg/L CaCO3)	30	107.5	96.0 - 120.0	119	118.9	96.0 - 136.0		
Chloride Dissolved (mg/L)	5	8.9	8.0 - 10.5	18	7.8	4.8 - 16.2	(250.0)	
Chlorine free (mg/L)	2	<0.07	<0.07	6	<0.07	<0.07		
Cobalt (mg/L)	1	0.0002	0.0002	4	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	4	0.0036	0.0035 - 0.0037		
Magnesium (mg/L)	1	12.4	12.4	4	14.8	12.4 - 15.9		
Molybdenum (mg/L)	1	0.0008	0.0008	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0006	0.0006	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	4	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	4	<0.02	<0.02		
Potassium (mg/L)	1	2.0	2.0	4	1.1	0.7 - 2.0		
Silicon (mg/L)	1	2.04	2.04	4	2.32	2.04 - 2.52		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	16.5	16.5	4	10.0	6.6 - 16.5	(200.0)	
Strontium (mg/L)	1	0.403	0.403	4	0.451	0.403 - 0.476	7.000	
Sulphate Dissolved (mg/L)	5	77.7	76.8 - 78.1	18	72.4	62.4 - 86.3	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	30	162.2	146.0 - 180.0	119	179.4	146.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

Rossdale Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	30	<1.0	<1.0	119	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	30	<0.5	<0.5	119	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	119	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	7.21	7.21	4	8.54	7.21 - 9.85		
Total Volatile Organics (Non THM) (µg/L)	30	1.0	<1.0 - 1.3	117	1.0	<1.0 - 1.3		
Total Organic Carbon (mg/L)	4	1.5	1.3 - 1.8	17	1.4	1.1 - 1.8		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Styrene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	119	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	14.0	
Dichloroethane (1,2) (µg/L)	30	<0.5	<0.5	117	<0.5	<0.5	5.0	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	6.14	6.14	4	7.71	6.14 - 9.14		
Dibromochloromethane (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Chloroform (µg/L)	30	7.6	4.6 - 14.3	119	11.8	4.6 - 19.5	(40.0)	
Chlorobenzene (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Bromoform (µg/L)	30	<0.5	<0.5	119	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	30	1.3	0.5 - 1.6	119	1.1	0.5 - 2.0		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	0.09	0.09	1.00	
Gross Alpha (Bq/L)				1	<0.11	<0.11	0.50	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L Smith Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (PA/100mL)	30	-VE	-VE	118	-VE	-VE	0.0	
Cryptosporidium (oocysts/100L)	1	<0.1	<0.1	4	<0.1	<0.1		
E. coli (PA/100mL)	30	-VE	-VE	118	-VE	-VE	0.0	
Giardia (cysts/100L)	1	<0.1	<0.1	4	<0.1	<0.1		
Physical								
Colour (TCU)	30	0.7	<0.5 - 1.5	120	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	5	400.2	387.0 - 414.0	18	401.6	363.0 - 434.0		
pH	30	8	8	120	8	8		7 - 8
Total Dissolved Solids (mg/L)	1	222.00	222.00	4	223.75	217.00 - 237.00	(500.00)	
Turbidity (NTU)	30	0.05	<0.04 - 0.09	120	0.05	<0.04 - 0.28	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.057	0.057	4	0.061	0.057 - 0.063	2.000	
Boron (mg/L)	1	0.017	0.017	4	0.012	0.009 - 0.017	5.000	
Bromate Dissolved (mg/L)	5	<0.005	<0.005	18	0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	5	0.10	0.09 - 0.13	18	0.11	0.09 - 0.14	1.00	
Chlorine total (mg/L)	30	2.01	1.96 - 2.09	120	2.01	1.83 - 2.19		
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	18	0.006	<0.005 - 0.023	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	30	0.67	0.62 - 0.72	120	0.69	0.62 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	0.003	0.003	4	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	4	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	5	0.09	0.06 - 0.10	18	0.09	0.06 - 0.18	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	18	0.02	0.02	1.00	
Selenium (mg/L)	1	<0.0002	<0.0002	4	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	4	0.0005	<0.0005 - 0.0005	0.0200	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.050	<0.050	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.050	<0.050	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.050	<0.050	30.000	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	2.0	
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Dicamba (µg/L)				1	<0.10	<0.10	110.00	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.50	<0.50	5.00	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	140.0 (1.6)	
Glyphosate (µg/L)				1	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	1	11.30	11.30	4	14.80	11.30 - 16.90	80.00	40.00
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	120	<1.00	<0.5 - <1.00	50.0	
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	1	<0.0009	<0.0009	4	0.00094	<0.0009 - 0.00104	0.04000	0.01000
Omethoate (µg/L)				1	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)				1	<2.0	<2.0		
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	60.0 (24.0)	
Total PFAS (ng/L)				1	<12.0	<12.0		
Trichloroethylene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trihalomethanes (µg/L)	30	8.1	5.3 - 15.0	120	10.9	5.3 - 18.3	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	120	<1.0	<0.50 - <1.0	2.00	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	30	109.6	98.0 - 126.0	120	121.6	98.0 - 139.0		
Aluminum (mg/L)	1	0.018	0.018	4	0.064	0.018 - 0.081	2.900 (0.100)	
Ammonia as NH3 (mg/L)	15	0.06	<0.05 - 0.09	63	0.07	<0.05 - 0.11		
Beryllium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	18	0.03	<0.03		
Calcium (mg/L)	1	41.3	41.3	4	48.7	41.3 - 52.2		
Calcium Hardness (mg/L CaCO3)	30	106.8	98.0 - 117.0	120	118.2	98.0 - 135.0		
Chloride Dissolved (mg/L)	5	7.8	6.6 - 9.3	18	7.2	5.5 - 14.0	(250.0)	
Chlorine free (mg/L)	2	<0.07	<0.07	5	<0.07	<0.07		
Cobalt (mg/L)	1	0.0002	0.0002	4	0.0002	<0.0002 - 0.0002		
Copper (mg/L)	1	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0030	0.0030	4	0.0034	0.0030 - 0.0037		
Magnesium (mg/L)	1	12.0	12.0	4	14.6	12.0 - 15.7		
Molybdenum (mg/L)	1	0.0008	0.0008	4	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0006	0.0006	4	0.0005	<0.0005 - 0.0006		
Phosphate Ortho (as P) (mg/L as P)	1	<0.02	<0.02	4	0.02	<0.02 - 0.02		
Phosphorus (mg/L)	1	<0.02	<0.02	4	<0.02	<0.02		
Potassium (mg/L)	1	2.0	2.0	4	1.1	0.7 - 2.0		
Silicon (mg/L)	1	2.00	2.00	4	2.28	2.00 - 2.48		
Silver (mg/L)	1	<0.00002	<0.00002	4	<0.00002	<0.00002		
Sodium (mg/L)	1	21.6	21.6	4	11.2	7.2 - 21.6	(200.0)	
Strontium (mg/L)	1	0.397	0.397	4	0.449	0.397 - 0.478	7.000	
Sulphate Dissolved (mg/L)	5	79.1	76.6 - 83.6	18	72.7	62.0 - 95.5	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	4	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	30	161.5	148.0 - 182.0	120	179.1	148.0 - 204.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	4	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	4	<0.005	<0.005	(5.000)	

2.2.4 TREATED WATER ENTERING THE DISTRIBUTION SYSTEM

E.L. Smith Water Treatment Plant

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Xylenes total (µg/L)	30	<1.0	<1.0	120	<1.0	<0.50 - <1.0	90.00 (20.00)	
Xylene (1,4) (µg/L)	30	<0.5	<0.5	120	<0.5	<0.40 - <0.5		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	120	<0.5	<0.30 - <0.5		
Trichloroethane (1,1,1) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Trichloroacetic acid (µg/L)	1	5.79	5.79	4	7.92	5.79 - 9.56		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.7	118	1.0	<1.0 - 1.7		
Total Organic Carbon (mg/L)	4	1.3	0.9 - 1.7	17	1.3	0.9 - 1.7		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Styrene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Monochloroacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Monobromoacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	120	<20	<1.0 - <20		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	14.0	
Dichloroethane (1,2) (µg/L)	30	<0.5	<0.5	118	<0.5	<0.5	5.0	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichloroacetic acid (µg/L)	1	5.50	5.50	4	6.88	5.50 - 8.32		
Dibromochloromethane (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dibromoacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Chloroform (µg/L)	30	6.9	3.8 - 13.6	120	9.9	3.8 - 17.7	(40.0)	
Chlorobenzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Bromoform (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Bromodichloromethane (µg/L)	30	1.0	0.5 - 1.4	120	0.8	<0.5 - 1.4		
Bromochloroacetic acid (µg/L)	1	<1.00	<1.00	4	<1.00	<1.00		
Radionuclides								
Gross Beta (Bq/L)				1	<0.05	<0.05	1.00	
Gross Alpha (Bq/L)				1	<0.12	<0.12	0.50	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
EL Smith Combined Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	97.4	94.2	120	97.4	92.5 - 97.4		
UV Absorbance (UV Abs/cm)	30	0.018	0.011 - 0.026	120	0.023	0.011 - 0.034		
EL Smith Treated								
Turbidity (NTU)	30	0.05	<0.04 - 0.09	120	0.04	<0.04 - 0.09	(3.00)	0.10
Rossdale Filter Effluent								
UV 254 % Transmittance (%T/cm)	30	96.9	94.0	118	96.9	91.4 - 96.9		
UV Absorbance (UV Abs/cm)	30	0.020	0.014 - 0.027	118	0.023	0.014 - 0.039		
Rossdale Treated								
Turbidity (NTU)	30	0.04	<0.04 - 0.05	118	0.04	<0.04 - 0.07	(3.00)	0.10
Primary Organics								
EL Smith Treated								
Benzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	120	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	6.7	4.2 - 12.5	120	8.9	4.2 - 19.7	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	120	<1.0	<0.50 - <1.0	2.00	
Rossdale Treated								
Benzene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	5.0	
Carbon Tetrachloride (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	2.0	
Dichlorobenzene (1,4) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	5.0 (1.0)	
Ethylbenzene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	30	<0.5	<0.5	118	<1.00	<0.5 - <1.00	50.0	
Tetrachloroethylene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	10.0	
Toluene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	60.0 (24.0)	
Trichloroethylene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	5.0	
Trihalomethanes (µg/L)	30	7.5	4.8 - 12.5	118	10.8	4.8 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	30	<1.0	<1.0	118	<1.0	<0.50 - <1.0	2.00	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Inorganics								
EL Smith Treated								
Bromate Dissolved (mg/L)	5	<0.005	<0.005	18	0.005	<0.005	0.010	
Chlorate Dissolved (mg/L)	5	0.10	0.08 - 0.13	18	0.11	0.08 - 0.15	1.00	
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	18	0.005	<0.005	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.09	0.06 - 0.10	18	0.09	0.06 - 0.17	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.01 - 0.02	18	0.02	0.01 - 0.02	1.00	
Rossdale Treated								
Bromate Dissolved (mg/L)	5	<0.005	<0.005	18	0.005	<0.005	0.010	
Chlorate Dissolved (mg/L)	5	0.25	0.21 - 0.30	18	0.27	0.20 - 0.48	1.00	
Chlorite Dissolved (mg/L)	5	<0.005	<0.005	18	0.007	<0.005 - 0.037	1.000	
Nitrate (as N) dissolved (mg/L)	5	0.09	0.06 - 0.10	18	0.10	0.06 - 0.21	10.00	
Nitrite (as N) dissolved (mg/L)	5	0.02	0.02	18	0.02	0.02	1.00	
Secondary Inorganics								
EL Smith Treated								
Ammonia as NH3 (mg/L)	15	0.06	<0.05 - 0.11	63	0.08	<0.05 - 0.13		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	18	0.03	<0.03		
Chloride Dissolved (mg/L)	5	7.9	6.5 - 9.4	18	7.2	5.6 - 13.0	(250.0)	
Sulphate Dissolved (mg/L)	5	80.8	76.2 - 85.5	18	73.0	62.1 - 92.6	(500.0)	
Rossdale Treated								
Ammonia as NH3 (mg/L)	15	0.08	<0.05 - 0.13	61	0.09	<0.05 - 0.19		
Bromide Dissolved (mg/L)	5	<0.03	<0.03	18	0.03	<0.03		
Chloride Dissolved (mg/L)	5	9.0	7.9 - 10.6	18	8.2	4.9 - 14.7	(250.0)	
Sulphate Dissolved (mg/L)	5	77.4	75.2 - 79.3	18	72.4	62.4 - 85.6	(500.0)	

2.2.5 TREATED WATER ENTERING THE PLANT RESERVOIR

E.L. Smith and Rossdale Reservoirs

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
EL Smith Treated								
Bromodichloromethane (µg/L)	30	0.9	<0.5 - 1.4	120	0.7	<0.5 - 1.4		
Bromoform (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	5.6	3.2 - 11.3	120	8.0	3.2 - 19.2	(40.0)	
Dibromochloromethane (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	120	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.4	118	1.0	<1.0 - 1.4		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	120	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	120	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	<0.5	<0.5	120	<0.5	<0.40 - <0.5		
Xylenes total (µg/L)	30	<1.0	<1.0	120	<1.0	<0.50 - <1.0	90.00 (20.00)	
Rossdale Treated								
Bromodichloromethane (µg/L)	30	1.1	0.5 - 2.1	118	0.9	0.5 - 2.1		
Bromoform (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Chlorobenzene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Chloroform (µg/L)	30	6.2	3.5 - 11.4	118	9.7	3.5 - 19.3	(40.0)	
Dibromochloromethane (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Dichlorobenzene (1,2) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	200.0 (3.0)	
Dichlorobenzene (1,3) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Dichloroethylene (1,1) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	14.0	
Dichloroethylene cis (1,2) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Dichloroethylene trans (1,2) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Dichloropropane (1,2) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Methyl Isobutyl Ketone (MIBK) (µg/L)	30	<1.0	<1.0	118	<20	<1.0 - <20		
Methyl t-Butyl Ether (MTBE) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50	100.0 (15.0)	50.0
Styrene (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Tetrachloroethane (1,1,2,2) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Total Volatile Organics (Non THM) (µg/L)	30	1.1	<1.0 - 1.5	116	1.0	<1.0 - 1.7		
Trichlorobenzene (1,2,4) (µg/L)	30	<0.5	<0.5	118	<0.50	<0.5 - <0.50		
Xylene (1,2) (µg/L)	30	<0.5	<0.5	118	<0.5	<0.30 - <0.5		
Xylene (1,4) (µg/L)	30	<0.5	<0.5	118	0.7	<0.40 - 0.70		
Xylenes total (µg/L)	30	<1.0	<1.0	118	<1.0	<0.50 - <1.0	90.00 (20.00)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Microbiologicals								
Coliforms total (MPN/100 mL)	7	Not Detected	Not Detected	9	Not Detected	Not Detected	0.0	
Coliforms total (PA/100mL)	154	-VE	+VE	630	-VE	+VE - -VE	0.0	
E. coli (MPN/100 mL)	7	Not Detected	Not Detected	9	Not Detected	Not Detected	0.0	
E. coli (PA/100mL)	154	-VE	-VE	630	-VE	-VE	0.0	
Physical								
Colour (TCU)				1	0.8	0.8	(15.0)	10.0
Conductivity (µS/cm)	1	387.0	387.0	1	387.0	387.0		
pH	3	8	8	8	8	8		7 - 8
Total Dissolved Solids (mg/L)				1	127.00	127.00	(500.00)	
Turbidity (NTU)	167	0.15	<0.04 - 1.31	645	0.14	<0.04 - 1.48	(3.00)	1.00
UV Absorbance (UV Abs/cm)				1	0.032	0.032		
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 - 0.0002	0.0100	
Barium (mg/L)	1	0.054	0.054	2	0.057	0.054 - 0.060	2.000	
Boron (mg/L)	1	0.012	0.012	2	0.011	0.010 - 0.012	5.000	
Bromate Dissolved (mg/L)	2	<0.005	<0.005	7	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	2	0.12	0.10 - 0.13	7	0.16	0.10 - 0.28	1.00	
Chlorine total (mg/L)	167	1.82	1.18 - 2.02	645	1.84	0.35 - 2.42		1.00 - 2.40
Chlorite Dissolved (mg/L)	2	<0.005	<0.005	7	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)				1	<0.002	<0.002	0.2000	
Fluoride (mg/L)	1	0.64	0.64	2	0.65	0.64 - 0.66	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				1	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	2	0.10	0.10	7	0.10	0.09 - 0.11	10.00	
Nitrite (as N) dissolved (mg/L)	2	0.01	0.01	7	0.01	0.01 - 0.02	1.00	
Selenium (mg/L)	1	<0.0002	<0.0002	2	0.0003	<0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Primary Organics								
2,4-D (µg/L)				1	<0.050	<0.050	100.000	
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				1	<0.050	<0.050	350.000	
Atrazine + metabolites (µg/L)				1	<0.10	<0.10	5.00	
Benzene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)				1	<0.005	<0.005	0.0400	
Bromoxynil (µg/L)				1	<0.050	<0.050	30.000	
Carbon Tetrachloride (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	2.0	
Chlorpyrifos (µg/L)				1	<0.10	<0.10	90.00	
Cyanazine (µg/L)				1	<0.100	<0.100		
Dicamba (µg/L)				1	<0.10	<0.10	110.00	
Dichlorobenzene (1,4) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	5.0	
Dichlorophenol (2,4) (µg/L)				1	<0.20	<0.20		
Dimethoate (µg/L)				1	<0.050	<0.050	20.000	
Diquat (µg/L)				1	<1.0	<1.0	50.0	
Ethylbenzene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	140.0 (1.6)	
Glyphosate (µg/L)				1	<1.00	<1.00	280.0	
Haloacetic acids total (HAA5) (µg/L)	3	11.36	9.28 - 14.00	13	17.13	9.28 - 20.40	80.00	40.00
Malathion (µg/L)				1	<0.0250	<0.0250	290.000	
Methylene Chloride (Dichloromethane) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	50.0	
Metribuzin (µg/L)				1	<0.100	<0.100	80.00	
Microcystin total (µg/L)				1	<0.15	<0.15	1.50	
Nitrilotriacetic acid (NTA) (mg/L)				1	<0.4	<0.4	0.40	
Nitrosodimethylamine, N- [NDMA] (µg/L)	3	0.00146	<0.0009 - 0.00217	11	0.00155	<0.0009 - 0.00338	0.04000	0.01000
Omethoate (µg/L)				1	<0.050	<0.050		
Omethoate (as dimethoate) (µg/L)				1	<0.16	<0.16		
Pentachlorophenol (µg/L)				1	<0.50	<0.50	60.00 (30.00)	
Perfluorooctanesulfonic acid (PFOS) (ng/L)				1	<2.0	<2.0		
Perfluorooctanoic Acid (PFOA) (ng/L)				1	<2.0	<2.0		
Tetrachloroethylene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	10.0	
Toluene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	60.0 (24.0)	
Total PFAS (ng/L)				1	<12.0	<12.0		
Trichloroethylene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	5.0	
Trichlorophenol (2,4,6) (µg/L)				1	<0.20	<0.20	5.00 (2.00)	
Trihalomethanes (µg/L)	7	9.9	7.7 - 12.8	24	14.2	7.7 - 21.8	100.0	50.0
Vinyl Chloride (µg/L)	7	<1.0	<1.0	24	<1.0	<1.0	2.0	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	101.0	101.0	2	112.0	101.0 - 123.0		
Aluminum (mg/L)	1	0.009	0.009	2	0.046	0.009 - 0.083	2.900 (0.100)	
Ammonia as NH3 (mg/L)	2	0.09	0.08 - 0.10	7	0.10	0.07 - 0.14		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	2	<0.03	<0.03	7	<0.03	<0.03		
Calcium (mg/L)	1	41.9	41.9	2	46.3	41.9 - 50.7		
Calcium Hardness (mg/L CaCO3)	1	105.0	105.0	1	105.0	105.0		
Chloride Dissolved (mg/L)	2	8.5	8.5	7	6.7	5.3 - 8.5	(250.0)	
Chlorine free (mg/L)				1	<0.07	<0.07		
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	0.005	<0.002 - 0.007	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0031	0.0031	2	0.0034	0.0031 - 0.0037		
Magnesium (mg/L)	1	12.5	12.5	2	14.0	12.5 - 15.5		
Molybdenum (mg/L)	1	0.0008	0.0008	2	0.0007	0.0006 - 0.0008		
Nickel (mg/L)	1	0.0008	0.0008	2	0.0007	<0.0005 - 0.0008		
Phosphate Ortho (as P) (mg/L as P)	2	0.89	0.86 - 0.92	7	0.89	0.86 - 0.92		
Phosphorus (mg/L)	1	0.94	0.94	2	0.96	0.94 - 0.98		
Potassium (mg/L)	1	1.7	1.7	2	1.2	0.7 - 1.7		
Silicon (mg/L)	1	2.01	2.01	2	2.24	2.01 - 2.46		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	17.7	17.7	2	12.8	7.9 - 17.7	(200.0)	
Strontium (mg/L)	1	0.415	0.415	2	0.445	0.415 - 0.474	7.000	
Sulphate Dissolved (mg/L)	2	76.3	75.9 - 76.7	7	69.8	64.8 - 76.7	(500.0)	
Sulphide (mg/L)				1	<0.0015	<0.0015	(0.0500)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	156.0	156.0	2	168.5	156.0 - 181.0		
Vanadium (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Zinc (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(5.000)	

2.2.6 Routine Distribution System (Excluding Field Reservoirs)

April 2026

Parameter (units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)	3	<1.00	<1.00	13	<1.00	<1.00		
Bromodichloromethane (µg/L)	7	1.4	<0.5 - 1.8	24	1.1	<0.5 - 1.8		
Bromoform (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Chlorobenzene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Chloroform (µg/L)	7	8.4	6.8 - 10.7	24	13.0	6.8 - 20.6		
Dibromoacetic acid (µg/L)	3	<1.00	<1.00	13	<1.00	<1.00		
Dibromochloromethane (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Dichloroacetic acid (µg/L)	3	5.51	4.60 - 6.55	13	8.43	4.60 - 10.10		
Dichlorobenzene (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	7	<1.0	<1.0	24	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)	3	<1.00	<1.00	13	<1.00	<1.00		
Monochloroacetic acid (µg/L)	3	<1.00	<1.00	13	<1.00	<1.00		
Styrene (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Total Organic Carbon (mg/L)	2	1.3	1.2 - 1.4	7	1.4	1.2 - 1.6		
Total Volatile Organics (Non THM) (µg/L)	7	1.1	<1.0 - 1.2	24	1.0	<1.0 - 1.2		
Trichloroacetic acid (µg/L)	3	5.85	4.68 - 7.46	13	8.71	4.68 - 10.60		
Trichlorobenzene (1,2,4) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Xylene (1,2) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Xylene (1,4) (µg/L)	7	<0.5	<0.5	24	<0.5	<0.5		
Xylenes total (µg/L)	7	<1.0	<1.0	24	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	6	0.6	<0.5 - 0.7	35	0.8	<0.5 - 1.6	(15.0)	10.0
pH	6	8	8	35	8	8		7 - 8
Turbidity (NTU)	6	0.12	0.05 - 0.26	35	0.20	0.05 - 2.23	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	6	<0.0005	<0.0005	35	0.0005	<0.0005	0.0060	
Arsenic (mg/L)	6	<0.0002	<0.0002	35	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	6	0.059	0.055 - 0.067	35	0.062	<0.002 - 0.080	2.000	
Boron (mg/L)	6	0.017	0.011 - 0.024	35	0.030	0.009 - 0.095	5.000	
Cadmium (mg/L)	6	<0.00002	<0.00002	35	0.00002	<0.00002	0.00700	
Chlorine total (mg/L)	6	1.81	1.66 - 1.92	35	1.81	1.30 - 2.02		1.00 - 2.40
Chromium (mg/L)	6	<0.0002	<0.0002	35	<0.0002	<0.0002	0.0500	
Lead (mg/L)	6	<0.0002	<0.0002	35	0.0002	<0.0002 - 0.0009	0.0050	
Manganese (mg/L)	6	0.002	<0.002 - 0.003	35	0.003	<0.002 - 0.008	0.120 (0.020)	
Selenium (mg/L)	6	0.0002	<0.0002 - 0.0003	35	0.0003	<0.0002 - 0.0004	0.0500	
Uranium (mg/L)	6	<0.0005	<0.0005	35	0.0005	<0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	10.0	
Toluene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	6	10.5	7.6 - 13.5	35	14.0	7.6 - 21.4	100.0	50.0
Vinyl Chloride (µg/L)	6	<1.0	<1.0	35	<1.0	<1.0	2.0	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	6	1.4	1.1 - 1.6	35	1.1	<0.5 - 1.6		
Bromoform (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Chlorobenzene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Chloroform (µg/L)	6	8.9	6.1 - 12.1	35	12.8	6.1 - 20.3		
Dibromochloromethane (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)	6	<1.0	<1.0	35	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5	(15.0)	
Styrene (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Total Volatile Organics (Non THM) (µg/L)	6	1.1	<1.0 - 1.2	35	1.1	<1.0 - 1.4		
Trichlorobenzene (1,2,4) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Xylene (1,2) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Xylene (1,4) (µg/L)	6	<0.5	<0.5	35	<0.5	<0.5		
Xylenes total (µg/L)	6	<1.0	<1.0	35	<1.0	<1.0	90.0 (20.0)	

2.2.7 Additional Distribution System Samples Collected from Water Quality Complaint Investigations

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Aluminum (mg/L)	6	0.012	0.008 - 0.016	35	0.047	<0.005 - 0.469	2.900 (0.100)	
Beryllium (mg/L)	6	<0.0002	<0.0002	35	<0.0002	<0.0002		
Calcium (mg/L)	6	45.1	41.7 - 48.7	35	47.1	<0.1 - 55.2		
Cobalt (mg/L)	6	0.0002	<0.0002	35	0.0002	<0.0002 - 0.0003		
Copper (mg/L)	6	0.002	<0.002 - 0.003	35	0.003	<0.002 - 0.006	2.000 (1.000)	
Iron (mg/L)	6	0.018	<0.005 - 0.048	35	0.024	<0.005 - 0.223	(0.100)	
Lithium (mg/L)	6	0.0034	0.0029 - 0.0038	35	0.0035	0.0003 - 0.0045		
Magnesium (mg/L)	6	13.3	11.9 - 14.9	35	14.0	<0.1 - 16.5		
Molybdenum (mg/L)	6	0.0008	0.0007 - 0.0010	35	0.0007	0.0006 - 0.0010		
Nickel (mg/L)	6	0.0012	<0.0005 - 0.0044	35	0.0007	<0.0005 - 0.0044		
Phosphorus (mg/L)	6	0.96	0.86 - 0.99	35	0.95	0.84 - 1.22		
Potassium (mg/L)	6	1.4	1.1 - 1.8	35	1.8	<0.1 - 5.2		
Silicon (mg/L)	6	2.14	1.91 - 2.23	35	2.32	1.91 - 2.62		
Silver (mg/L)	6	<0.00002	<0.00002	35	<0.00002	<0.00002		
Sodium (mg/L)	6	15.6	12.7 - 18.0	35	18.5	7.0 - 102.0	(200.0)	
Strontium (mg/L)	6	0.430	0.398 - 0.456	35	0.434	<0.002 - 0.481	7.000	
Thallium (mg/L)	6	<0.0002	<0.0002	35	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	6	167.5	155.0 - 183.0	35	175.4	<2 - 206.0		
Vanadium (mg/L)	6	<0.0005	<0.0005	35	0.0005	<0.0005		
Zinc (mg/L)	6	<0.005	<0.005	35	0.005	<0.005 - 0.006	(5.000)	

2.2.8 Castledowns Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	402.0	402.0	2	405.5	402.0 - 409.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.06	0.05 - 0.08	17	0.08	0.05 - 0.10	(3.00)	1.00
Primary Organics								
Haloacetic acids total (HAA5) (µg/L)								
Nitrosodimethylamine, N- [NDMA] (µg/L)								
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	
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	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	7.9	7.9	2	14.3	7.9 - 20.6	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	
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 - 0.0002	0.0100	
Barium (mg/L)	1	0.056	0.056	2	0.061	0.056 - 0.066	2.000	
Boron (mg/L)	1	0.020	0.020	2	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.09	0.09	2	0.10	0.09 - 0.12	1.00	
Chlorine total (mg/L)	4	1.89	1.86 - 1.93	17	1.92	1.81 - 1.97		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.66	0.66	2	0.66	0.65 - 0.66	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0006	<0.0005 - 0.0006	0.0200	

2.2.8 Castledowns Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	116.0	116.0	2	122.5	116.0 - 129.0		
Aluminum (mg/L)	1	0.016	0.016	2	0.046	0.016 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.08	0.08	2	0.09	0.08 - 0.09		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	47.3	47.3	2	49.8	47.3 - 52.3		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	2	124.5	118.0 - 131.0		
Chloride Dissolved (mg/L)	1	7.7	7.7	2	7.2	6.8 - 7.7	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0033	0.0033	2	0.0035	0.0033 - 0.0036		
Magnesium (mg/L)	1	14.4	14.4	2	15.2	14.4 - 15.9		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.92	17	0.88	0.86 - 0.92		
Phosphorus (mg/L)	1	0.95	0.95	2	0.95	0.94 - 0.95		
Potassium (mg/L)	1	1.2	1.2	2	1.0	0.8 - 1.2		
Silicon (mg/L)	1	2.08	2.08	2	2.37	2.08 - 2.66		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.5	14.5	2	11.4	8.2 - 14.5	(200.0)	
Strontium (mg/L)	1	0.460	0.460	2	0.453	0.446 - 0.460	7.000	
Sulphate Dissolved (mg/L)	1	75.7	75.7	2	71.6	67.4 - 75.7	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	177.0	177.0	2	186.5	177.0 - 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)	

2.2.8 Castledowns Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)								
Bromodichloromethane (µg/L)	1	1.3	1.3	2	1.2	1.1 - 1.3		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	6.3	6.3	2	12.9	6.3 - 19.5		
Dibromoacetic acid (µg/L)								
Dibromochloromethane (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroacetic acid (µg/L)								
Dichlorobenzene (1,2) (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 (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
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)	
Monobromoacetic acid (µg/L)								
Monochloroacetic acid (µg/L)								
Styrene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Total Organic Carbon (mg/L)	1	1.0	1.0	2	1.3	1.0 - 1.6		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Trichloroacetic acid (µg/L)								
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		
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.9 Clareview Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.7	0.6 - 0.7	(15.0)	10.0
Conductivity (µS/cm)				2	407.0	397.0 - 417.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.14	0.11 - 0.16	16	0.13	0.06 - 0.21	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	<0.0002	<0.0002	0.0100	
Barium (mg/L)				2	0.064	0.062 - 0.066	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.24	0.23 - 0.26	1.00	
Chlorine total (mg/L)	4	1.57	1.49 - 1.63	16	1.61	1.49 - 1.80		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.69	0.68 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.01	0.01	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	20.7	20.3 - 21.1	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.9 Clareview Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	127.5	126.0 - 129.0		
Aluminum (mg/L)				2	0.065	0.064 - 0.066	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.14	0.10 - 0.18		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	53.2	52.7 - 53.7		
Calcium Hardness (mg/L CaCO3)				2	133.0	132.0 - 134.0		
Chloride Dissolved (mg/L)				2	6.5	5.6 - 7.3	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	0.011	0.010 - 0.012	(0.100)	
Lithium (mg/L)				2	0.0036	0.0035 - 0.0036		
Magnesium (mg/L)				2	15.9	15.8 - 16.0		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.93	0.90 - 0.98	16	0.91	0.88 - 0.98		
Phosphorus (mg/L)				2	0.96	0.95 - 0.96		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.54	2.51 - 2.57		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	8.1	7.5 - 8.6	(200.0)	
Strontium (mg/L)				2	0.479	0.476 - 0.481	7.000	
Sulphate Dissolved (mg/L)				2	68.1	67.0 - 69.1	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	198.5	198.0 - 199.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.9 Clareview Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	19.5	19.1 - 19.9		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.3 - 1.4		
Total Volatile Organics (Non THM) (µg/L)				2	1.0	<1.0 - 1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.10 Discovery Park Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.6	<0.5 - 0.7	(15.0)	10.0
Conductivity (µS/cm)				2	399.5	399.0 - 400.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.06 - 0.09	17	0.09	0.06 - 0.12	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	0.0002	0.0100	
Barium (mg/L)				2	0.063	0.062 - 0.064	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				3	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				3	0.11	0.09 - 0.12	1.00	
Chlorine total (mg/L)	4	1.28	1.21 - 1.32	17	1.34	1.21 - 1.90		1.00 - 2.40
Chlorite Dissolved (mg/L)				3	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Cyanide (mg/L)								
Fluoride (mg/L)				2	0.69	0.68 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				3	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				3	0.01	0.01	1.00	
Selenium (mg/L)				2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				3	<0.5	<0.5	5.0	
Benzo(a)pyrene (µg/L)								
Carbon Tetrachloride (µg/L)				3	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				3	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				3	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				3	<0.5	<0.5	140.0 (1.6)	
Haloacetic acids total (HAA5) (µg/L)				2	19.85	17.80 - 21.90	80.00	40.00
Methylene Chloride (Dichloromethane) (µg/L)				3	<0.5	<0.5	50.0	
Microcystin total (µg/L)								
Nitrilotriacetic acid (NTA) (mg/L)								
Nitrosodimethylamine, N- [NDMA] (µg/L)				1	0.00357	0.00357	0.04000	0.01000
Tetrachloroethylene (µg/L)				3	<0.5	<0.5	10.0	
Toluene (µg/L)				3	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				3	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				3	18.4	17.3 - 19.1	100.0	50.0
Vinyl Chloride (µg/L)				3	<1.0	<1.0	2.0	

2.2.10 Discovery Park Reservoir

April 2026

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

2.2.10 Discovery Park Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	126.0	124.0 - 128.0		
Aluminum (mg/L)				2	0.079	0.077 - 0.080	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.16	0.15 - 0.16		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				3	<0.03	<0.03		
Calcium (mg/L)				2	52.6	52.4 - 52.7		
Calcium Hardness (mg/L CaCO3)				2	131.5	131.0 - 132.0		
Chloride Dissolved (mg/L)				3	6.2	5.8 - 6.4	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0034	0.0033 - 0.0035		
Magnesium (mg/L)				2	15.8	15.7 - 15.8		
Molybdenum (mg/L)				2	0.0007	0.0006 - 0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.87	0.86 - 0.90	17	0.87	0.84 - 0.90		
Phosphorus (mg/L)				2	0.94	0.92 - 0.95		
Potassium (mg/L)				2	0.9	0.8 - 0.9		
Silicon (mg/L)				2	2.48	2.43 - 2.52		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	7.7	7.4 - 8.0	(200.0)	
Strontium (mg/L)				2	0.480	0.465 - 0.495	7.000	
Sulphate Dissolved (mg/L)				3	66.0	64.8 - 67.2	(500.0)	
Sulphide (mg/L)								
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	196.0	195.0 - 197.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.10 Discovery Park Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromochloroacetic acid (µg/L)				2	<1.00	<1.00		
Bromodichloromethane (µg/L)				3	1.1	0.9 - 1.3		
Bromoform (µg/L)				3	<0.5	<0.5		
Chlorobenzene (µg/L)				3	<0.5	<0.5		
Chloroform (µg/L)				3	17.1	16.1 - 17.8		
Dibromoacetic acid (µg/L)				2	<1.00	<1.00		
Dibromochloromethane (µg/L)				3	<0.5	<0.5		
Dichloroacetic acid (µg/L)				2	10.55	9.10 - 12.00		
Dichlorobenzene (1,2) (µg/L)				3	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				3	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				3	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				3	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				3	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				3	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				3	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				3	<0.5	<0.5	(15.0)	
Monobromoacetic acid (µg/L)				2	<1.00	<1.00		
Monochloroacetic acid (µg/L)				2	<1.00	<1.00		
Styrene (µg/L)				3	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				3	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.3 - 1.4		
Total Volatile Organics (Non THM) (µg/L)				3	1.0	<1.0 - 1.0		
Trichloroacetic acid (µg/L)				2	9.27	8.65 - 9.89		
Trichlorobenzene (1,2,4) (µg/L)				3	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				3	<0.5	<0.5		
Xylene (1,2) (µg/L)				3	<0.5	<0.5		
Xylene (1,4) (µg/L)				3	<0.5	<0.5		
Xylenes total (µg/L)				3	<1.0	<1.0	90.0 (20.0)	

2.2.11 Kaskitayo Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.8	0.7 - 0.9	(15.0)	10.0
Conductivity (µS/cm)				2	411.5	410.0 - 413.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.06	0.05 - 0.07	17	0.09	0.05 - 0.14	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	0.0002	0.0100	
Barium (mg/L)				2	0.067	0.065 - 0.069	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.12	0.11 - 0.13	1.00	
Chlorine total (mg/L)	4	1.95	1.94 - 1.96	17	1.93	1.80 - 2.04		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.72	0.70 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	0.0056	<0.0050 - 0.0061	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	16.7	15.8 - 17.5	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.11 Kaskitayo Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	130.0	130.0		
Aluminum (mg/L)				2	0.088	0.082 - 0.093	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.11	0.10 - 0.11		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	53.9	53.4 - 54.4		
Calcium Hardness (mg/L CaCO3)				2	134.5	133.0 - 136.0		
Chloride Dissolved (mg/L)				2	6.2	5.7 - 6.8	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0035 - 0.0036		
Magnesium (mg/L)				2	16.2	15.8 - 16.6		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.90 - 0.92	17	0.89	0.86 - 0.94		
Phosphorus (mg/L)				2	0.96	0.96		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.62	2.55 - 2.68		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	8.1	7.5 - 8.6	(200.0)	
Strontium (mg/L)				2	0.472	0.468 - 0.475	7.000	
Sulphate Dissolved (mg/L)				2	69.3	67.3 - 71.3	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	201.5	199.0 - 204.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.11 Kaskitayo Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	15.4	14.5 - 16.3		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.6	1.6		
Total Volatile Organics (Non THM) (µg/L)				2	1.2	<1.0 - 1.4		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.12 Londonderry Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	0.5	0.5	2	0.7	0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	403.0	403.0	2	406.0	403.0 - 409.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.06 - 0.07	17	0.09	0.06 - 0.15	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0100	
Barium (mg/L)	1	0.056	0.056	2	0.061	0.056 - 0.065	2.000	
Boron (mg/L)	1	0.018	0.018	2	0.014	0.010 - 0.018	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.22	0.22	2	0.21	0.21 - 0.22	1.00	
Chlorine total (mg/L)	4	1.88	1.86 - 1.90	17	1.89	1.80 - 1.95		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.67	0.67	2	0.68	0.67 - 0.68	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.10	0.10	2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0006	<0.0005 - 0.0006	0.0200	
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	
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	
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	10.5	10.5	2	16.9	10.5 - 23.2	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	

2.2.12 Londonderry Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	111.0	111.0	2	121.0	111.0 - 131.0		
Aluminum (mg/L)	1	0.019	0.019	2	0.044	0.019 - 0.069	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.12	0.12	2	0.11	0.09 - 0.12		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	46.5	46.5	2	49.8	46.5 - 53.0		
Calcium Hardness (mg/L CaCO3)	1	116.0	116.0	2	124.0	116.0 - 132.0		
Chloride Dissolved (mg/L)	1	8.7	8.7	2	7.9	7.2 - 8.7	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	2	0.0037	0.0036 - 0.0038		
Magnesium (mg/L)	1	14.4	14.4	2	15.2	14.4 - 15.9		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.92	17	0.90	0.88 - 0.92		
Phosphorus (mg/L)	1	0.98	0.98	2	0.99	0.98 - 0.99		
Potassium (mg/L)	1	1.4	1.4	2	1.1	0.8 - 1.4		
Silicon (mg/L)	1	2.13	2.13	2	2.43	2.13 - 2.73		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.1	14.1	2	11.3	8.5 - 14.1	(200.0)	
Strontium (mg/L)	1	0.448	0.448	2	0.448	0.448	7.000	
Sulphate Dissolved (mg/L)	1	77.6	77.6	2	72.7	67.8 - 77.6	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	175.0	175.0	2	186.5	175.0 - 198.0		
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)	

2.2.12 Londonderry Reservoir

April 2026

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

2.2.13 Millwoods Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	403.0	403.0	2	407.5	403.0 - 412.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.05 - 0.21	17	0.09	0.05 - 0.21	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)	1	<0.0002	<0.0002	2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)	1	0.057	0.057	2	0.062	0.057 - 0.067	2.000	
Boron (mg/L)	1	0.021	0.021	2	0.016	0.010 - 0.021	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.09	0.09	2	0.12	0.09 - 0.15	1.00	
Chlorine total (mg/L)	4	1.95	1.94 - 1.99	17	1.96	1.91 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.67	0.67	2	0.69	0.67 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0003	0.0003	2	0.0003	0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
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	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	7.1	7.1	2	13.2	7.1 - 19.3	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	

2.2.13 Millwoods Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	114.0	114.0	2	121.0	114.0 - 128.0		
Aluminum (mg/L)	1	0.024	0.024	2	0.051	0.024 - 0.078	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.08	0.08	2	0.09	0.08 - 0.09		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	47.2	47.2	2	50.5	47.2 - 53.7		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	2	126.0	118.0 - 134.0		
Chloride Dissolved (mg/L)	1	7.8	7.8	2	7.7	7.7 - 7.8	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0034	0.0034	2	0.0036	0.0034 - 0.0038		
Magnesium (mg/L)	1	14.1	14.1	2	15.1	14.1 - 16.0		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.91	0.88 - 0.92	17	0.89	0.86 - 0.92		
Phosphorus (mg/L)	1	0.97	0.97	2	0.97	0.97		
Potassium (mg/L)	1	1.2	1.2	2	1.0	0.8 - 1.2		
Silicon (mg/L)	1	2.11	2.11	2	2.41	2.11 - 2.71		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.5	14.5	2	11.6	8.7 - 14.5	(200.0)	
Strontium (mg/L)	1	0.452	0.452	2	0.455	0.452 - 0.457	7.000	
Sulphate Dissolved (mg/L)	1	75.8	75.8	2	71.8	67.8 - 75.8	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	176.0	176.0	2	188.0	176.0 - 200.0		
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)	

2.2.13 Millwoods Reservoir

April 2026

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

2.2.14 North Jasper Place Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.6	<0.5 - 0.7	(15.0)	10.0
Conductivity (µS/cm)				2	408.0	398.0 - 418.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.06 - 0.09	17	0.12	0.06 - 0.44	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	0.0002	0.0100	
Barium (mg/L)				2	0.068	0.067 - 0.068	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.11	0.11 - 0.12	1.00	
Chlorine total (mg/L)	4	1.66	1.65 - 1.67	17	1.73	1.64 - 1.82		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.66	0.65 - 0.67	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0005 - 0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	17.4	16.2 - 18.6	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.14 North Jasper Place Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	129.5	128.0 - 131.0		
Aluminum (mg/L)				2	0.150	0.079 - 0.221	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.14	0.13 - 0.14		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	54.1	52.9 - 55.2		
Calcium Hardness (mg/L CaCO3)				2	135.0	132.0 - 138.0		
Chloride Dissolved (mg/L)				2	6.2	5.8 - 6.5	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	0.008	<0.005 - 0.011	(0.100)	
Lithium (mg/L)				2	0.0036	0.0034 - 0.0037		
Magnesium (mg/L)				2	16.2	16.0 - 16.3		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.92	17	0.90	0.86 - 1.06		
Phosphorus (mg/L)				2	0.99	0.93 - 1.04		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.55	2.54 - 2.56		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	7.9	7.4 - 8.3	(200.0)	
Strontium (mg/L)				2	0.482	0.481 - 0.482	7.000	
Sulphate Dissolved (mg/L)				2	68.3	66.2 - 70.3	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	201.5	198.0 - 205.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.14 North Jasper Place Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.0	0.9 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	16.2	15.1 - 17.3		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.3 - 1.4		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.15 Ormsby Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.9	<0.5 - 1.2	(15.0)	10.0
Conductivity (µS/cm)	1	403.0	403.0	2	404.5	403.0 - 406.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.06 - 0.08	17	0.09	0.05 - 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 - 0.0002	0.0100	
Barium (mg/L)	1	0.058	0.058	2	0.062	0.058 - 0.066	2.000	
Boron (mg/L)	1	0.020	0.020	2	0.015	0.010 - 0.020	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.09	0.09	2	0.10	0.09 - 0.11	1.00	
Chlorine total (mg/L)	4	1.92	1.87 - 2.00	17	1.94	1.87 - 2.02		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	2	0.70	0.68 - 0.71	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.09	0.09	2	0.09	0.09	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0006	<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	
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	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	7.4	7.4	2	13.3	7.4 - 19.1	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	

2.2.15 Ormsby Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	114.0	114.0	2	121.5	114.0 - 129.0		
Aluminum (mg/L)	1	0.020	0.020	2	0.051	0.020 - 0.082	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.08	0.08	2	0.09	0.08 - 0.10		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	47.4	47.4	2	50.1	47.4 - 52.8		
Calcium Hardness (mg/L CaCO3)	1	118.0	118.0	2	125.0	118.0 - 132.0		
Chloride Dissolved (mg/L)	1	7.7	7.7	2	7.3	6.8 - 7.7	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Lithium (mg/L)	1	0.0034	0.0034	2	0.0036	0.0034 - 0.0038		
Magnesium (mg/L)	1	14.4	14.4	2	15.2	14.4 - 15.9		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.92	17	0.89	0.86 - 0.96		
Phosphorus (mg/L)	1	0.96	0.96	2	0.96	0.96		
Potassium (mg/L)	1	1.2	1.2	2	1.0	0.8 - 1.2		
Silicon (mg/L)	1	2.06	2.06	2	2.42	2.06 - 2.77		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.7	14.7	2	11.5	8.2 - 14.7	(200.0)	
Strontium (mg/L)	1	0.455	0.455	2	0.454	0.452 - 0.455	7.000	
Sulphate Dissolved (mg/L)	1	75.9	75.9	2	71.7	67.5 - 75.9	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	178.0	178.0	2	187.5	178.0 - 197.0		
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)	

2.2.15 Ormsby Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)	1	1.1	1.1	2	1.1	1.0 - 1.1		
Bromoform (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chlorobenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Chloroform (µg/L)	1	6.0	6.0	2	12.1	6.0 - 18.1		
Dibromochloromethane (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 (1,3) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	14.0	
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	0.9	0.9	2	1.3	0.9 - 1.7		
Total Volatile Organics (Non THM) (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,2) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylene (1,4) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5		
Xylenes total (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	90.0 (20.0)	

2.2.16 Papaschase Reservoir 1

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.8	<0.5 - 1.0	(15.0)	10.0
Conductivity (µS/cm)	1	407.0	407.0	2	403.0	399.0 - 407.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.10	0.08 - 0.13	17	0.11	0.08 - 0.24	(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	0.055	0.055	2	0.059	0.055 - 0.063	2.000	
Boron (mg/L)	1	0.014	0.014	2	0.012	0.010 - 0.014	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.21	0.21	2	0.22	0.21 - 0.23	1.00	
Chlorine total (mg/L)	4	1.84	1.79 - 1.88	17	1.82	1.64 - 1.98		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.68	0.68	2	0.71	0.68 - 0.74	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.10	0.10	2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0005	<0.0005 - 0.0005	0.0200	
Primary Organics								
Benzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	2.0	
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	
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	16.1	10.4 - 21.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	

2.2.16 Papaschase Reservoir 1

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	115.0	115.0	2	121.5	115.0 - 128.0		
Aluminum (mg/L)	1	0.023	0.023	2	0.044	0.023 - 0.065	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.13	0.13	2	0.12	0.10 - 0.13		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	47.5	47.5	2	50.3	47.5 - 53.0		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	2	125.5	119.0 - 132.0		
Chloride Dissolved (mg/L)	1	8.2	8.2	2	7.1	6.0 - 8.2	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.006	0.006	2	0.007	0.006 - 0.008	(0.100)	
Lithium (mg/L)	1	0.0036	0.0036	2	0.0037	0.0036 - 0.0037		
Magnesium (mg/L)	1	14.7	14.7	2	15.3	14.7 - 15.8		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.90	0.88 - 0.90	17	0.89	0.88 - 0.92		
Phosphorus (mg/L)	1	0.95	0.95	2	0.96	0.95 - 0.97		
Potassium (mg/L)	1	1.3	1.3	2	1.1	0.8 - 1.3		
Silicon (mg/L)	1	2.12	2.12	2	2.40	2.12 - 2.68		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	13.6	13.6	2	10.6	7.6 - 13.6	(200.0)	
Strontium (mg/L)	1	0.458	0.458	2	0.457	0.455 - 0.458	7.000	
Sulphate Dissolved (mg/L)	1	77.1	77.1	2	72.2	67.2 - 77.1	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	179.0	179.0	2	188.0	179.0 - 197.0		
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)	

2.2.16 Papaschase Reservoir 1

April 2026

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

2.2.17 Papaschase Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	1.0	0.7 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				2	413.5	407.0 - 420.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.08	0.07 - 0.10	17	0.10	0.05 - 0.17	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.067	0.065 - 0.068	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.23	0.16 - 0.29	1.00	
Chlorine total (mg/L)	4	1.90	1.89 - 1.92	17	1.91	1.85 - 1.97		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.75	0.74 - 0.76	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	18.1	16.4 - 19.7	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.17 Papaschase Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	129.5	129.0 - 130.0		
Aluminum (mg/L)				2	0.072	0.068 - 0.076	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.11	0.08 - 0.13		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	53.3	52.0 - 54.6		
Calcium Hardness (mg/L CaCO3)				2	133.0	130.0 - 136.0		
Chloride Dissolved (mg/L)				2	7.0	5.5 - 8.6	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0036		
Magnesium (mg/L)				2	16.1	15.8 - 16.4		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.88	0.80 - 0.90	17	0.89	0.80 - 0.92		
Phosphorus (mg/L)				2	0.96	0.95 - 0.97		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.58	2.57 - 2.58		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	8.6	7.4 - 9.8	(200.0)	
Strontium (mg/L)				2	0.479	0.475 - 0.482	7.000	
Sulphate Dissolved (mg/L)				2	69.5	67.3 - 71.7	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	199.5	195.0 - 204.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.17 Papaschase Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.2	1.0 - 1.3		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	16.8	14.9 - 18.6		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.6	1.5 - 1.6		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.18 Rosslyn Reservoir 1

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)	1	<0.5	<0.5	2	0.7	<0.5 - 0.8	(15.0)	10.0
Conductivity (µS/cm)	1	401.0	401.0	2	403.5	401.0 - 406.0		
pH	1	8	8	2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.06 - 0.08	17	0.09	0.06 - 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 - 0.0002	0.0100	
Barium (mg/L)	1	0.057	0.057	2	0.062	0.057 - 0.066	2.000	
Boron (mg/L)	1	0.019	0.019	2	0.015	0.010 - 0.019	5.000	
Bromate Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	0.010	
Cadmium (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)	1	0.19	0.19	2	0.19	0.18 - 0.19	1.00	
Chlorine total (mg/L)	4	1.84	1.81 - 1.86	17	1.83	1.77 - 1.89		1.00 - 2.40
Chlorite Dissolved (mg/L)	1	<0.005	<0.005	2	<0.005	<0.005	1.000	
Chromium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)	1	0.67	0.67	2	0.67	0.67	1.50	0.60 - 0.80
Lead (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	1	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	1	0.10	0.10	2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	1	0.02	0.02	2	0.02	0.02	1.00	
Selenium (mg/L)	1	0.0002	0.0002	2	0.0003	0.0002 - 0.0003	0.0500	
Uranium (mg/L)	1	<0.0005	<0.0005	2	0.0006	<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	
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	
Ethylbenzene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	10.0	
Toluene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)	1	<0.5	<0.5	2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)	1	11.3	11.3	2	15.6	11.3 - 19.8	100.0	50.0
Vinyl Chloride (µg/L)	1	<1.0	<1.0	2	<1.0	<1.0	2.0	

2.2.18 Rosslyn Reservoir 1

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)	1	114.0	114.0	2	121.5	114.0 - 129.0		
Aluminum (mg/L)	1	0.028	0.028	2	0.050	0.028 - 0.072	2.900 (0.100)	
Ammonia as NH3 (mg/L)	1	0.12	0.12	2	0.10	0.08 - 0.12		
Beryllium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)	1	<0.03	<0.03	2	<0.03	<0.03		
Calcium (mg/L)	1	47.5	47.5	2	50.5	47.5 - 53.5		
Calcium Hardness (mg/L CaCO3)	1	119.0	119.0	2	126.5	119.0 - 134.0		
Chloride Dissolved (mg/L)	1	8.5	8.5	2	7.8	7.1 - 8.5	(250.0)	
Cobalt (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Copper (mg/L)	1	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)	1	0.006	0.006	2	0.006	<0.005 - 0.006	(0.100)	
Lithium (mg/L)	1	0.0035	0.0035	2	0.0036	0.0035 - 0.0037		
Magnesium (mg/L)	1	14.4	14.4	2	15.2	14.4 - 15.9		
Molybdenum (mg/L)	1	0.0009	0.0009	2	0.0008	0.0007 - 0.0009		
Nickel (mg/L)	1	<0.0005	<0.0005	2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.92	17	0.90	0.88 - 0.92		
Phosphorus (mg/L)	1	0.97	0.97	2	0.97	0.97		
Potassium (mg/L)	1	1.4	1.4	2	1.1	0.8 - 1.4		
Silicon (mg/L)	1	2.14	2.14	2	2.43	2.14 - 2.71		
Silver (mg/L)	1	<0.00002	<0.00002	2	<0.00002	<0.00002		
Sodium (mg/L)	1	14.7	14.7	2	11.6	8.4 - 14.7	(200.0)	
Strontium (mg/L)	1	0.448	0.448	2	0.454	0.448 - 0.459	7.000	
Sulphate Dissolved (mg/L)	1	77.9	77.9	2	72.8	67.7 - 77.9	(500.0)	
Thallium (mg/L)	1	<0.0002	<0.0002	2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)	1	178.0	178.0	2	188.5	178.0 - 199.0		
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)	

2.2.18 Rosslyn Reservoir 1

April 2026

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

2.2.19 Rosslyn Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.7	<0.5 - 0.9	(15.0)	10.0
Conductivity (µS/cm)				2	404.5	393.0 - 416.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.07	0.06 - 0.08	17	0.09	0.06 - 0.14	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	<0.0002 - 0.0002	0.0100	
Barium (mg/L)				2	0.066	0.064 - 0.067	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.21	0.20 - 0.22	1.00	
Chlorine total (mg/L)	4	1.74	1.70 - 1.76	17	1.73	1.64 - 1.82		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.69	0.68 - 0.69	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	19.5	18.8 - 20.1	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.19 Rosslyn Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	127.0	127.0		
Aluminum (mg/L)				2	0.073	0.072 - 0.073	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.15	0.12 - 0.18		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	53.4	52.2 - 54.6		
Calcium Hardness (mg/L CaCO3)				2	133.0	130.0 - 136.0		
Chloride Dissolved (mg/L)				2	6.2	5.5 - 6.9	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0036	0.0034 - 0.0037		
Magnesium (mg/L)				2	15.9	15.8 - 16.0		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.92	0.88 - 0.94	17	0.90	0.86 - 0.94		
Phosphorus (mg/L)				2	0.97	0.95 - 0.99		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.55	2.52 - 2.58		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	7.8	7.2 - 8.3	(200.0)	
Strontium (mg/L)				2	0.485	0.474 - 0.495	7.000	
Sulphate Dissolved (mg/L)				2	68.2	66.3 - 70.0	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	199.0	196.0 - 202.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.19 Rosslyn Reservoir 2

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.1	1.0 - 1.1		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	18.2	17.4 - 18.9		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.4	1.3 - 1.4		
Total Volatile Organics (Non THM) (µg/L)				2	1.1	<1.0 - 1.1		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.20 Thorncliff Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Physical								
Colour (TCU)				2	0.9	0.6 - 1.2	(15.0)	10.0
Conductivity (µS/cm)				2	406.0	405.0 - 407.0		
pH				2	8	8		7 - 8
Turbidity (NTU)	4	0.06	0.05 - 0.07	17	0.10	0.05 - 0.30	(3.00)	1.00
Primary Inorganics								
Antimony (mg/L)				2	<0.0005	<0.0005	0.0060	
Arsenic (mg/L)				2	0.0002	0.0002	0.0100	
Barium (mg/L)				2	0.066	0.064 - 0.068	2.000	
Boron (mg/L)				2	0.010	0.009 - 0.010	5.000	
Bromate Dissolved (mg/L)				2	<0.005	<0.005	0.010	
Cadmium (mg/L)				2	<0.00002	<0.00002	0.00700	
Chlorate Dissolved (mg/L)				2	0.11	0.11	1.00	
Chlorine total (mg/L)	4	1.79	1.77 - 1.80	17	1.82	1.77 - 1.90		1.00 - 2.40
Chlorite Dissolved (mg/L)				2	<0.005	<0.005	1.000	
Chromium (mg/L)				2	<0.0002	<0.0002	0.0500	
Fluoride (mg/L)				2	0.72	0.71 - 0.73	1.50	0.60 - 0.80
Lead (mg/L)				2	<0.0002	<0.0002	0.0050	
Manganese (mg/L)				2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)				2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)				2	0.10	0.09 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)				2	0.02	0.01 - 0.02	1.00	
Selenium (mg/L)				2	0.0003	0.0003	0.0500	
Uranium (mg/L)				2	0.0006	0.0006	0.0200	
Primary Organics								
Benzene (µg/L)				2	<0.5	<0.5	5.0	
Carbon Tetrachloride (µg/L)				2	<0.5	<0.5	2.0	
Dichlorobenzene (1,4) (µg/L)				2	<0.5	<0.5	5.0 (1.0)	
Dichloroethane (1,2) (µg/L)				2	<0.5	<0.5	5.0	
Ethylbenzene (µg/L)				2	<0.5	<0.5	140.0 (1.6)	
Methylene Chloride (Dichloromethane) (µg/L)				2	<0.5	<0.5	50.0	
Tetrachloroethylene (µg/L)				2	<0.5	<0.5	10.0	
Toluene (µg/L)				2	<0.5	<0.5	60.0 (24.0)	
Trichloroethylene (µg/L)				2	<0.5	<0.5	5.0	
Trihalomethanes (µg/L)				2	18.2	18.1 - 18.2	100.0	50.0
Vinyl Chloride (µg/L)				2	<1.0	<1.0	2.0	

2.2.20 Thorncliff Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Inorganics								
Alkalinity total (mg CaCO3/L)				2	129.0	129.0		
Aluminum (mg/L)				2	0.087	0.084 - 0.089	2.900 (0.100)	
Ammonia as NH3 (mg/L)				2	0.12	0.12		
Beryllium (mg/L)				2	<0.0002	<0.0002		
Bromide Dissolved (mg/L)				2	<0.03	<0.03		
Calcium (mg/L)				2	53.5	52.8 - 54.2		
Calcium Hardness (mg/L CaCO3)				2	133.5	132.0 - 135.0		
Chloride Dissolved (mg/L)				2	6.1	5.7 - 6.4	(250.0)	
Cobalt (mg/L)				2	<0.0002	<0.0002		
Copper (mg/L)				2	<0.002	<0.002	2.000 (1.000)	
Iron (mg/L)				2	<0.005	<0.005	(0.100)	
Lithium (mg/L)				2	0.0035	0.0035		
Magnesium (mg/L)				2	16.1	15.9 - 16.2		
Molybdenum (mg/L)				2	0.0007	0.0007		
Nickel (mg/L)				2	<0.0005	<0.0005		
Phosphate Ortho (as P) (mg/L as P)	4	0.89	0.86 - 0.92	17	0.88	0.86 - 0.92		
Phosphorus (mg/L)				2	0.95	0.94 - 0.95		
Potassium (mg/L)				2	0.8	0.8		
Silicon (mg/L)				2	2.54	2.53 - 2.54		
Silver (mg/L)				2	<0.00002	<0.00002		
Sodium (mg/L)				2	7.8	7.4 - 8.2	(200.0)	
Strontium (mg/L)				2	0.481	0.479 - 0.482	7.000	
Sulphate Dissolved (mg/L)				2	68.0	66.4 - 69.6	(500.0)	
Thallium (mg/L)				2	<0.0002	<0.0002		
Total Hardness (mg/L CaCO3)				2	199.5	197.0 - 202.0		
Vanadium (mg/L)				2	<0.0005	<0.0005		
Zinc (mg/L)				2	<0.005	<0.005	(5.000)	

2.2.20 Thorncliff Reservoir

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Secondary Organics								
Bromodichloromethane (µg/L)				2	1.0	0.7 - 1.2		
Bromoform (µg/L)				2	<0.5	<0.5		
Chlorobenzene (µg/L)				2	<0.5	<0.5		
Chloroform (µg/L)				2	17.0	16.7 - 17.2		
Dibromochloromethane (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,2) (µg/L)				2	<0.5	<0.5		
Dichlorobenzene (1,3) (µg/L)				2	<0.5	<0.5		
Dichloroethylene (1,1) (µg/L)				2	<0.5	<0.5	14.0	
Dichloroethylene cis (1,2) (µg/L)				2	<0.5	<0.5		
Dichloroethylene trans (1,2) (µg/L)				2	<0.5	<0.5		
Dichloropropane (1,2) (µg/L)				2	<0.5	<0.5		
Methyl Isobutyl Ketone (MIBK) (µg/L)				2	<1.0	<1.0		
Methyl t-Butyl Ether (MTBE) (µg/L)				2	<0.5	<0.5	(15.0)	
Styrene (µg/L)				2	<0.5	<0.5		
Tetrachloroethane (1,1,2,2) (µg/L)				2	<0.5	<0.5		
Total Organic Carbon (mg/L)				2	1.5	1.5		
Total Volatile Organics (Non THM) (µg/L)				2	<1.0	<1.0		
Trichlorobenzene (1,2,4) (µg/L)				2	<0.5	<0.5		
Trichloroethane (1,1,1) (µg/L)				2	<0.5	<0.5		
Xylene (1,2) (µg/L)				2	<0.5	<0.5		
Xylene (1,4) (µg/L)				2	<0.5	<0.5		
Xylenes total (µg/L)				2	<1.0	<1.0	90.0 (20.0)	

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Microbiologicals						
Coliforms total (MPN/100 mL)	35	585.0	25.6 - 1986.3	134	525.9	22.8 - 6510.0
Cryptosporidium (oocysts/100L)	2	400.00	220.00 - 580.00	8	101.6	<1.0 - 580.0
E. coli (MPN/100 mL)	35	37.1	1.0 - 104.0	134	38.7	1.0 - 914.0
Giardia (cysts/100L)	2	410.00	300.00 - 520.00	8	123.4	<2.2 - 520.0
Physical						
Colour (TCU)	60	11.7	4.1 - 21.0	238	8.6	3.8 - 53.8
Conductivity (µS/cm)	8	326.6	296.0 - 352.0	34	366.6	296.0 - 415.0
pH	2	8	8	8	8	8
Total Dissolved Solids (mg/L)	2	180.00	176.00 - 184.00	8	205.38	176.00 - 225.00
Total Suspended Solids (mg/L)	2	19.1	16.9 - 21.3	8	5.9	<1.0 - 21.3
Turbidity (NTU)	60	28.45	2.76 - 198.00	238	9.49	0.68 - 198.00
Primary Inorganics						
Antimony (mg/L)	2	0.0006	<0.0005 - 0.0007	8	0.0005	<0.0005 - 0.0007
Antimony dissolved (mg/L)	2	<0.0005	<0.0005	8	<0.0005	<0.0005
Arsenic (mg/L)	2	0.0007	0.0006 - 0.0007	8	0.0003	<0.0002 - 0.0007
Arsenic dissolved (mg/L)	2	0.0003	0.0003	8	0.0002	<0.0002 - 0.0003
Barium (mg/L)	2	0.073	0.071 - 0.074	8	0.067	0.062 - 0.074
Barium dissolved (mg/L)	2	0.057	0.056 - 0.057	8	0.063	0.056 - 0.067
Boron (mg/L)	2	0.013	0.012 - 0.013	8	0.010	0.009 - 0.013
Boron dissolved (mg/L)	2	0.012	0.011 - 0.012	8	0.010	0.009 - 0.012
Bromate Dissolved (mg/L)	10	<0.005	<0.005	36	0.005	<0.005
Cadmium (mg/L)	2	0.00002	0.00002	8	0.00002	<0.00002 - 0.00002
Cadmium Dissolved (mg/L)	2	<0.00002	<0.00002	8	<0.00002	<0.00002
Chlorate Dissolved (mg/L)	10	<0.01	<0.01	36	0.01	<0.01
Chlorine total (mg/L)	2	<0.03	<0.03	8	<0.03	<0.03
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	36	0.005	<0.005
Chromium (mg/L)	2	0.0016	0.0015 - 0.0016	8	0.0007	<0.0002 - 0.0016
Chromium dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Cyanide (mg/L)				2	<0.002	<0.002
Fluoride (mg/L)	8	0.10	0.05 - 0.12	34	0.12	0.05 - 0.14
Lead (mg/L)	2	0.0007	0.0006 - 0.0007	8	0.0003	<0.0002 - 0.0007
Lead dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Manganese (mg/L)	2	0.035	0.029 - 0.041	8	0.011	<0.002 - 0.041
Manganese dissolved (mg/L)	1	0.007	0.007	4	0.003	<0.002 - 0.007
Mercury (µg/L)	2	<0.0050	<0.0050	8	<0.0050	<0.0050
Mercury dissolved (µg/L)	2	<0.0050	<0.0050	8	<0.0050	<0.0050
Nitrate (as N) dissolved (mg/L)	10	0.08	0.04 - 0.12	36	0.09	0.04 - 0.28
Nitrite (as N) dissolved (mg/L)	10	<0.01	<0.01	36	0.01	<0.01
Selenium (mg/L)	2	0.0002	0.0002	8	0.0003	0.0002 - 0.0003
Selenium dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0003	<0.0002 - 0.0003
Uranium (mg/L)	2	0.0006	0.0006	8	0.0006	0.0005 - 0.0006
Uranium dissolved (mg/L)	2	0.0005	<0.0005	8	0.0005	<0.0005 - 0.0006

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Primary Organics						
2,4-D (µg/L)				2	<0.050	<0.050
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)				2	<0.050	<0.050
Atrazine + metabolites (µg/L)				2	<0.10	<0.10
Benzene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Benzo(a)pyrene (µg/L)				2	<0.005	<0.005
Bromoxynil (µg/L)				2	<0.050	<0.050
Carbon Tetrachloride (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Chlorpyrifos (µg/L)				2	<0.10	<0.10
Cyanazine (µg/L)				2	<0.100	<0.100
Dicamba (µg/L)				2	<0.10	<0.10
Dichlorobenzene (1,4) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichloroethane (1,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichlorophenol (2,4) (µg/L)				2	<0.20	<0.20
Dimethoate (µg/L)				2	<0.050	<0.050
Diquat (µg/L)				2	<1.0	<1.0
Ethylbenzene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Glyphosate (µg/L)				2	<1.00	<1.00
Malathion (µg/L)				2	<0.0250	<0.0250
Manganese dissolved (mg/L)	1	0.009	0.009	4	0.004	<0.002 - 0.009
Methylene Chloride (Dichloromethane) (µg/L)	60	<0.5	<0.5	238	<1.00	<0.5 - <1.00
Metribuzin (µg/L)				2	<0.100	<0.100
Microcystin total (µg/L)				2	<0.15	<0.15
Nitrilotriacetic acid (NTA) (mg/L)				2	<0.4	<0.4
Omethoate (µg/L)				2	<0.050	<0.050
Omethoate (as dimethoate) (µg/L)				2	<0.16	<0.16
Pentachlorophenol (µg/L)				2	<0.50	<0.50
Tetrachloroethylene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Toluene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Trichloroethylene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Trichlorophenol (2,4,6) (µg/L)				2	<0.20	<0.20
Trihalomethanes (µg/L)	60	<1.0	<1.0	238	<1.0	<1.0
Vinyl Chloride (µg/L)	60	<1.0	<1.0	238	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Radionuclides						
Gross Alpha (Bq/L)				2	<0.11	<0.11
Gross Beta (Bq/L)				2	0.06	<0.05 - 0.06
Secondary Organics						
Bromodichloromethane (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Bromoform (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Chlorobenzene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Chloroform (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dibromochloromethane (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichlorobenzene (1,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichlorobenzene (1,3) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichloroethylene (1,1) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichloroethylene cis (1,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichloroethylene trans (1,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Dichloropropane (1,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Methyl Isobutyl Ketone (MIBK) (µg/L)	60	<1.0	<1.0	238	<20	<1.0 - <20
Methyl t-Butyl Ether (MTBE) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Styrene (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Tetrachloroethane (1,1,2,2) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Total Organic Carbon (mg/L)	10	3.1	2.4 - 3.9	36	2.2	1.4 - 4.8
Total Volatile Organics (Non THM) (µg/L)	60	1.1	<1.0 - 1.5	234	1.0	<1.0 - 1.5
Trichlorobenzene (1,2,4) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Trichloroethane (1,1,1) (µg/L)	60	<0.5	<0.5	238	<0.50	<0.5 - <0.50
Xylene (1,2) (µg/L)	60	<0.5	<0.5	238	<0.5	<0.30 - <0.5
Xylene (1,4) (µg/L)	60	<0.5	<0.5	238	<0.5	<0.40 - <0.5
Xylenes total (µg/L)	60	<1.0	<1.0	238	<1.0	<0.50 - <1.0

2.2.21 Raw River Water

Physical, Inorganics, Organic and Pesticide Parameters

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Alkalinity phenolphthalein (mg CaCO3/L)				6	<3	<3
Alkalinity total (mg CaCO3/L)	8	114.0	104.0 - 125.0	34	125.2	104.0 - 142.0
Aluminum (mg/L)	2	1.031	0.972 - 1.090	8	0.325	0.052 - 1.090
Ammonia as NH3 (mg/L)	30	0.05	<0.05 - 0.06	124	0.06	<0.05 - 0.30
Beryllium (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Bromide Dissolved (mg/L)	10	0.03	<0.03	36	0.03	<0.03
Calcium (mg/L)	2	41.4	41.3 - 41.4	8	49.0	41.3 - 53.9
Calcium Hardness (mg/L CaCO3)	8	103.6	98.0 - 110.0	34	119.0	98.0 - 138.0
Chloride Dissolved (mg/L)	10	2.6	1.1 - 4.2	36	2.2	0.5 - 12.2
Cobalt (mg/L)	2	0.0005	0.0004 - 0.0006	8	0.0003	<0.0002 - 0.0006
Copper (mg/L)	2	0.003	0.002 - 0.003	8	0.008	<0.002 - 0.046
Iron (mg/L)	2	1.050	0.869 - 1.230	8	0.330	0.042 - 1.230
Lithium (mg/L)	2	0.0042	0.0041 - 0.0043	8	0.0038	0.0034 - 0.0043
Magnesium (mg/L)	2	12.9	12.8 - 13.0	8	15.1	12.8 - 16.8
Molybdenum (mg/L)	2	0.0009	0.0009	8	0.0007	0.0006 - 0.0009
Nickel (mg/L)	2	0.0021	0.0018 - 0.0023	8	0.0010	<0.0005 - 0.0023
Nitrogen Total Kjeldahl (TKN) (mg/L N)	60	0.3	<0.1 - 0.9	105	0.3	<0.1 - 0.9
Phosphate Ortho (as P) (mg/L as P)	2	0.02	<0.02	8	0.02	<0.02 - 0.03
Phosphorus (mg/L)	2	0.08	0.07 - 0.08	8	0.04	<0.02 - 0.08
Potassium (mg/L)	2	2.4	2.4	8	1.2	0.7 - 2.4
Silicon (mg/L)	2	4.39	4.04 - 4.74	8	2.84	2.17 - 4.74
Silver (mg/L)	2	<0.00002	<0.00002	8	0.00004	<0.00002 - 0.00016
Sodium (mg/L)	2	5.9	5.1 - 6.6	8	4.6	3.3 - 6.6
Strontium (mg/L)	2	0.405	0.403 - 0.407	8	0.459	0.403 - 0.499
Sulphate Dissolved (mg/L)	10	51.1	46.0 - 58.2	36	58.7	46.0 - 69.3
Sulphide (mg/L)				2	<0.0015	<0.0015
Thallium (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Total Hardness (mg/L CaCO3)	8	155.4	141.0 - 168.0	34	176.9	141.0 - 204.0
Vanadium (mg/L)	2	0.0024	0.0021 - 0.0026	8	0.0010	<0.0005 - 0.0026
Zinc (mg/L)	2	0.006	0.005 - 0.006	8	0.005	<0.005 - 0.006

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Physical, Inorganics, Organic and Pesticide Parameters

April 2026

Parameter (Units)	#	Mean	Range	# (YTD)	YTD Mean	YTD Range
Secondary Inorganics						
Aluminum dissolved (mg/L)	2	0.050	0.013 - 0.086	8	0.017	<0.005 - 0.086
Beryllium dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Calcium dissolved (mg/L)	2	39.1	38.8 - 39.4	8	48.6	38.8 - 53.7
Cobalt dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Copper dissolved (mg/L)	2	<0.002	<0.002	8	0.002	<0.002 - 0.003
Iron dissolved (mg/L)	2	0.063	0.055 - 0.071	8	0.020	<0.005 - 0.071
Lithium dissolved (mg/L)	2	0.0036	0.0034 - 0.0037	8	0.0036	0.0034 - 0.0039
Magnesium dissolved (mg/L)	2	12.1	12.1	8	14.7	12.1 - 16.1
Molybdenum dissolved (mg/L)	2	0.0008	0.0008	8	0.0007	0.0006 - 0.0008
Nickel dissolved (mg/L)	2	0.0009	0.0009	8	0.0006	<0.0005 - 0.0009
Phosphorus dissolved (mg/L)	2	0.05	0.05	8	0.03	<0.02 - 0.05
Potassium dissolved (mg/L)	2	2.1	2.1	8	1.1	0.7 - 2.1
Silicon dissolved (mg/L)	2	1.88	1.86 - 1.90	8	2.16	1.86 - 2.42
Silver dissolved (mg/L)	2	<0.00002	<0.00002	8	<0.00002	<0.00002
Sodium dissolved (mg/L)	2	5.7	5.0 - 6.4	8	4.5	3.3 - 6.7
Strontium dissolved (mg/L)	2	0.389	0.388 - 0.390	8	0.451	0.388 - 0.485
Thallium dissolved (mg/L)	2	<0.0002	<0.0002	8	0.0002	<0.0002
Titanium dissolved (mg/L)	2	0.0006	<0.0005 - 0.0006	8	0.0005	<0.0005 - 0.0006
Vanadium Dissolved (mg/L)	2	<0.0005	<0.0005	8	<0.0005	<0.0005
Zinc dissolved (mg/L)	2	<0.005	<0.005	8	<0.005	<0.005