

## 2.2.1 Bacteriological Data: Water Treatment Plants

March 2020

### Treated Water Entering the Distribution System

	# of +VE Samples YTD		# of Samples YTD		Limit	Required Frequency - Each Plant*	Unit
	Rosssdale	Smith	Rosssdale	Smith	GCDWQ or Approval		
Coliforms, total	0	0	91	92	0/100 mL	[Daily]	PA/100mL
E. coli	0	0	91	92	0/100 mL	[Daily]	PA/100mL

### Water Entering the Plant Reservoir

	# of +VE Samples YTD		# of Samples YTD		Limit	Required Frequency - Each Plant*	Unit
	Rosssdale	Smith	Rosssdale	Smith	GCDWQ or Approval		
Coliforms, total	0	0	91	91	N/A	[Daily]	PA/100mL
E. coli	0	0	91	91	N/A	[Daily]	PA/100mL

### Raw River Water Entering the Treatment Plants

								Limits		Unit	
	ROSSDALE			E.L. SMITH			Rosssdale	Smith	GCDWQ or Approval		Required Frequency - Each Plant*
	Mean	Min	Max	Mean	Min	Max	# of Samples YTD				
Coliforms, total	665	291	1,730	844	0	1,730	94	13	N/A	[Weekly]	MPN/100 mL
E. coli	184	46	461	280	0	517	94	13	N/A	[Weekly]	MPN/100 mL

\* Indicates EPCOR Operations Program.

PA = present or absent, MPN = most probably number

## 2.2.2 Bacteriological Data: Distribution System

March 2020

	Coliforms, total			E. coli		
	Count	# +ve	% +ve	Count	# +ve	% +ve
<b>January</b>						
FIELD DISTRIBUTION	119	0	0.0	119	0	0.0
FIELD DISTRIBUTION - PLPH	60	0	0.0	60	0	0.0
FIELD RESERVOIR	61	0	0.0	61	0	0.0
FIELD RESERVOIR - PLPH (duplicate-not counted)	60	0	0.0	60	0	0.0
Monthly	240	0	0.0	240	0	0.0
<b>February</b>						
FIELD DISTRIBUTION	125	1	0.8	125	0	0.0
FIELD DISTRIBUTION - PLPH	60	0	0.0	60	0	0.0
FIELD RESERVOIR	47	0	0.0	47	0	0.0
FIELD RESERVOIR - PLPH (duplicate-not counted)	47	0	0.0	47	0	0.0
Monthly	232	1	0.4	232	0	0.0
<b>March</b>						
FIELD DISTRIBUTION	113	0	0.0	113	0	0.0
FIELD DISTRIBUTION - PLPH	60	0	0.0	60	0	0.0
FIELD RESERVOIR	48	0	0.0	48	0	0.0
FIELD RESERVOIR - PLPH (duplicate-not counted)	48	0	0.0	48	0	0.0
Monthly	221	0	0.0	221	0	0.0
Year to Date	693	1	0.1	693	0	0.0

Guidelines for Canadian Drinking Water Quality recommend 190 bacteriological samples for a city the size of Edmonton. Total Coliform and E.coli testing is required in the AEP Approval. At least 95 of the 190 samples must be tested at ProvLab each month according to our Operations Program.

Testing conducted by Laboratory for Provincial Laboratory for Public Health (ProvLAB) are labelled with PLPH.

**2.2.2 Bacteriological Data: Distribution System**

**March 2020**

		Coliforms, total			E. coli		
		Count	# +ve	% +ve	Count	# +ve	% +ve
<b>Samples from Complaints</b>							
	<b>January</b>	8	0	0.0	8	0	0.0
	<b>February</b>	4	0	0.0	4	0	0.0
	<b>March</b>	5	0	0.0	5	0	0.0
	<b>Year to Date</b>	17	0	0.0	17	0	0.0
<b>Samples from Depressurizations</b>							
	<b>January</b>	69	0	0.0	69	0	0.0
	<b>February</b>	51	0	0.0	51	0	0.0
	<b>March</b>	52	0	0.0	52	0	0.0
	<b>Year to Date</b>	172	0	0.0	172	0	0.0