

2.2.1 Bacteriological Data: Water Treatment Plants

February 2020

Treated Water Entering the Distribution System

	# of +VE Samples YTD		# of Samples YTD		Limit	Required Frequency - Each Plant*	Unit
	Rossdale	Smith	Rossdale	Smith	GCDWQ or Approval		
Coliforms, total	0	0	60	61	0/100 mL	[Daily]	PA/100mL
E. coli	0	0	60	61	0/100 mL	[Daily]	PA/100mL

Water Entering the Plant Reservoir

	# of +VE Samples YTD		# of Samples YTD		Limit	Required Frequency - Each Plant*	Unit
	Rossdale	Smith	Rossdale	Smith	GCDWQ or Approval		
Coliforms, total	0	0	60	60	N/A	[Daily]	PA/100mL
E. coli	0	0	60	60	N/A	[Daily]	PA/100mL

Raw River Water Entering the Treatment Plants

								Limits		Unit	
	ROSSDALE			E.L. SMITH			Rossdale	Smith	GCDWQ or Approval		Required Frequency - Each Plant*
	Mean	Min	Max	Mean	Min	Max	# of Samples YTD				
Coliforms, total	604	291	1,550	960	436	1,730	62	8	N/A	[Weekly]	MPN/100 mL
E. coli	160	46	397	276	156	517	62	8	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

February 2020

	Coliforms, total			E. coli		
	Count	# +ve	% +ve	Count	# +ve	% +ve
January						
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
February						
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
Year to Date	472	1	0.2	472	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.

Testing conducted by Laboratory for Public Health are labelled with PLPH.

2.2.2 Bacteriological Data: Distribution System

February 2020

		Coliforms, total			E. coli		
		Count	# +ve	% +ve	Count	# +ve	% +ve
Samples from Complaints							
January		8	0	0.0	8	0	0.0
February		4	0	0.0	4	0	0.0
Year to Date		12	0	0.0	12	0	0.0
Samples from Depressurizations							
January		69	0	0.0	69	0	0.0
February		51	0	0.0	51	0	0.0
Year to Date		120	0	0.0	120	0	0.0