

2.2.1 Bacteriological Data: Water Treatment Plants

January 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	31	31	0/100 mL	[Daily]	PA/100mL
E. coli	0	0	31	31	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	31	31	N/A	[Daily]	PA/100mL
E. coli	0	0	31	31	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	568	345	816	1,209	866	1,730	32	4	N/A	[Weekly]	MPN/100 mL
E. coli	153	49	345	315	156	517	32	4	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

January 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
Year to Date	240	0	0.0	240	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

January 2020

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