

2.2.1 Bacteriological Data: Water Treatment Plants

January 2017

Treated Water Entering the Distribution System

	ROSSDALE			E.L. SMITH			YTD (combined)			Limit	Unit
	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	Approval	
Coliforms, total	31	0	0	31	0	0	62	0	0	0/100 mL	PA/100 mL
E. coli	31	0	0	31	0	0	62	0	0	0/100 mL	PA/100 mL
Heterotrophic Plate Count	31	1	3	31	1	3	62	2	3	N/A	CFU/mL

Water Entering the Plant Reservoir

	ROSSDALE			E.L. SMITH			YTD (combined)			Limit	Unit
	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	Approval	
Coliforms, total	31	0	0	31	0	0	62	0	0	N/A	PA/100 mL
E. coli	31	0	0	31	0	0	62	0	0	N/A	PA/100 mL
Heterotrophic Plate Count	31	1	3	31	1	3	62	2	3	N/A	CFU/mL

Raw River Water Entering the Treatment Plants

	ROSSDALE			E.L. SMITH			YTD (combined)			Limit	Unit
	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	# Samples	# +ve	% +ve	Approval	
Coliforms, total	31	31	100	5	5	100	36	36	100	N/A	MPN/100 mL
E. coli	31	31	100	5	5	100	36	36	100	N/A	MPN/100 mL
Heterotrophic Plate Count	1	1	100	1	1	100	2	2	100	N/A	CFU/mL

2.2.2 Bacteriological Data: Distribution System

January 2017

	Coliforms, total			E. coli			HPC		
	Count	# +ve	% +ve	Count	# +ve	% +ve	Count	# +ve	% +ve
January									
FIELD DISTRIBUTION	106	0	0.0	106	0	0.0	106	2	1.9
FIELD DISTRIBUTION - PLPH	62	0	0.0	62	0	0.0	0		0.0
FIELD RESERVOIR	48	0	0.0	48	0	0.0	48	0	0.0
FIELD RESERVOIR - PLPH (duplicate-not counted)	48	0	0.0	48	0	0.0	0		0.0
Monthly	216	0	0.0	216	0	0.0	154	2	1.3
Year to Date	216	0	0.0	216	0	0.0	154	2	1.3

Guidelines for Canadian Drinking Water Quality recommend 180 bacteriological samples for a city the size of Edmonton. HPC are not required.

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

2.2.2 Bacteriological Data: Distribution System

January 2017

Samples from Depressurizations

	Coliforms, total			E. coli		
	Count	# +ve	% +ve	Count	# +ve	% +ve
January	64	0	0.0	64	0	0.0
YTD	64	0	0.0	64	0	0.0

Samples from Complaints

	Coliforms, total			E. coli			Heterotrophic Plate Count		
	Count	# +ve	% +ve	Count	# +ve	% +ve	Count	# +ve	% +ve
January	9	0	0.0	9	0	0.0	9	1	11.1
YTD	9	0	0.0	9	0	0.0	9	1	11.1