

## 2.2.1 Bacteriological Data: Water Treatment Plants

February 2016

### 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	29	0	0	29	0	0	122	1	1	0/100 mL	PA/100 mL
E. coli	29	0	0	29	0	0	122	1	1	0/100 mL	PA/100 mL
Heterotrophic Plate Count	29	1	3	29	0	0	121	4	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	29	0	0	29	0	0	122	0	0	N/A	PA/100 mL
E. coli	29	0	0	29	0	0	122	0	0	N/A	PA/100 mL
Heterotrophic Plate Count	29	0	0	29	0	0	121	1	1	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	29	29	100	4	4	100	70	70	100	N/A	MPN/100 mL
E. coli	29	29	100	4	4	100	70	70	100	N/A	MPN/100 mL
Heterotrophic Plate Count	1	1	100	1	1	100	5	5	100	N/A	CFU/mL

January: Incorrect sampling procedure produced a false *E. coli* result at E.L. Smith WTP.

## 2.2.2 Bacteriological Data: Distribution System

February 2016

	Coliforms, total			E. coli			HPC		
	Count	# +ve	% +ve	Count	# +ve	% +ve	Count	# +ve	% +ve
<b>January</b>									
FIELD DISTRIBUTION	115	0	0.0	115	0	0.0	115	9	7.8
FIELD DISTRIBUTION - PLPH	54	0	0.0	54	0	0.0	0		0.0
FIELD RESERVOIR	48	0	0.0	48	0	0.0	48	1	2.1
FIELD RESERVOIR - PLPH (duplicate-not counted)	48	0	0.0	48	0	0.0	0		0.0
Monthly	217	0	0.0	217	0	0.0	163	10	6.1
<b>February</b>									
FIELD DISTRIBUTION	110	0	0.0	110	0	0.0	110	1	0.9
FIELD DISTRIBUTION - PLPH	54	0	0.0	54	0	0.0	0		0.0
FIELD RESERVOIR	47	0	0.0	47	0	0.0	47	0	0.0
FIELD RESERVOIR - PLPH (duplicate-not counted)	47	0	0.0	47	0	0.0	0		0.0
Monthly	211	0	0.0	211	0	0.0	157	1	0.6
Year to Date	428	0	0.0	428	0	0.0	320	11	3.4

Guidelines for Canadian Drinking Water Quality recommend 178 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

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### Samples from Depressurizations

	Coliforms, total			E. coli		
	Count	# +ve	% +ve	Count	# +ve	% +ve
January	46	0	0.0	46	0	0.0
February	50	0	0.0	50	0	0.0
YTD	96	0	0.0	96	0	0.0

### Samples from Complaints

	Coliforms, total			E. coli			Heterotrophic Plate Count		
	Count	# +ve	% +ve	Count	# +ve	% +ve	Count	# +ve	% +ve
January	11	0	0.0	11	0	0.0	11	0	0.0
February	12	0	0.0	12	0	0.0	12	0	0.0
YTD	23	0	0.0	23	0	0.0	23	0	0.0