

**2.2.1 Bacteriological Data: Water Treatment Plants**

January 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	31	0	0	33	1	3	64	1	2	0/100 mL	PA/100 mL
E. coli	31	0	0	33	1	3	64	1	2	0/100 mL	PA/100 mL
Heterotrophic Plate Count	31	0	0	32	3	9	63	3	5	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	33	0	0	64	0	0	N/A	PA/100 mL
E. coli	31	0	0	33	0	0	64	0	0	N/A	PA/100 mL
Heterotrophic Plate Count	31	0	0	32	1	3	63	1	2	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	6	6	100	37	37	100	N/A	MPN/100 mL
E. coli	31	31	100	6	6	100	37	37	100	N/A	MPN/100 mL
Heterotrophic Plate Count	1	1	100	2	2	100	3	3	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

January 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	52	0	0.0	52	0	0.0	0		0.0
FIELD RESERVOIR	50	0	0.0	50	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
Year to Date	217	0	0.0	217	0	0.0	163	10	6.1

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

January 2016

### Samples from Depressurizations

	Coliforms, total			E. coli		
	Count	# +ve	% +ve	Count	# +ve	% +ve
January	46	0	0.0	46	0	0.0
YTD	46	0	0.0	46	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
YTD	11	0	0.0	11	0	0.0	11	0	0.0