

	<b>Ballantrae/Musselman’s Lake and Stouffville Water Distribution Systems</b>	QMS-APP-16-01
	<b>Operational Plan Quality Management System</b>	Page 1 of 2
	Appendix Title: Annual Sampling Schedule	Revision: 3 April 27, 2017

**1.0 Sampling – Chemical and Microbiological**

All sampling locations are maintained in the GIS. Minimum sampling quantities and locations are determined in accordance with O. Reg. 170/03. Populations will be updated annually with the review of the sampling schedule.

All sampling locations will be at the determined at the discretion of the Water/Wastewater Supervisor, Manager of Operations, Operators in Charge, or licensed Operators as stations may be temporarily out of service; a request is made for alternate location or timing; or for managing the risk to public health due to concerns in a particular area.

**2.0 Stouffville – Approximate Population 30,000 as of April 2017**

Frequency	Parameter	Number of Samples	Notes
Bi-Weekly	Free Chlorine	7	At least four (4) tests to be performed on first microbiological sampling day. At least three (3) tests to be performed on second microbiological sampling day, 48 hours after first set.
Weekly	E. Coli	10	Free chlorine residual to be taken with sample. HPC analysis to be performed on at least 25% of samples each month.
	Total Coliform		
	HPC		
Quarterly	Trihalomethane	3	Locations furthest in the distribution system.
	Haloacetic Acid	3	
	Nitrates/Nitrites	3	
Bi-Annually	Alkalinity	4	To be taken in Summer (June 15 to October 15) and Winter (December 15 to April 15). pH to be field tested at time of Alkalinity sampling.
	pH	4	
	Lead	4	

**3.0 Ballantrae/Musselman's Lake – Approximate Population 6,000 as of April 2017**

Frequency	Parameter	Number of Samples	Notes
Bi-Weekly	Free Chlorine	7	At least four (4) tests to be performed on first microbiological sampling day. At least three (3) tests to be performed on second microbiological sampling day, 48 hours after first set.
Weekly	E. Coli	4	Free chlorine residual to be taken with sample. HPC analysis to be performed on at least 25% of samples each month.
	Total Coliform		
	HPC		
Quarterly	Trihalomethane	1	Locations furthest in the distribution system.
	Haloacetic Acid	1	
	Nitrates/Nitrites	1	
Bi-Annually	Alkalinity	4	To be taken in Summer (June 15 to October 15) and Winter (December 15 to April 15). pH to be field tested at time of Alkalinity sampling.
	pH	4	
	Lead	4	

**Document Change History**

Revision Number	Date	Change	Revision Made By:
1	May 18/16	Added McCowan Road sampling station	JT
2	June 22/16	Added HAA & Nitrates/Nitrites to Sample Locations	RC
3	April 27/17	Removed sampling locations from Appendix to GIS. Clarified regulatory requirements for sampling.	LS