

2018 SUMMARY OF REPORTED ADVERSE WATER QUALITY INCIDENTS AND CORRECTIVE ACTIONS

The Ministry of Environment, Conservation and Parks (MECP) and the Medical Officer of Health were satisfied with the corrective actions taken for all reported events in the summary below and had no further direction. For all remotely monitored system performance incidents, facility flow is paused until operator restores normal operation.

Ballantrae-Musselman's Lake Drinking Water System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	Jan 12	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	May 04	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Nov 18	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Georgina Drinking Water System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Fluoride > 1.5 mg/L	Feb 17	1.69 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jul 26	1.69 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Free Chlorine Residual < 0.05 mg/L	Jun 23	0.01 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Oct 24	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Georgina Drinking Water System, Keswick Sub-System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Fluoride > 1.5 mg/L	Mar 06	1.65 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Aug 04	1.51 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Free Chlorine Residual < 0.05 mg/L	May 04	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Mt Albert Drinking Water System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	Dec 04	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Sharon/Queensville Drinking Water System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Contact Time (CT) Not Met	Jul 03	< 0.18 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

York Drinking Water System, Aurora Sub-System Continued

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Combined Chlorine Residual <0.25 mg/L	May 04	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jun 09	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Nov 25	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jan 03	4.11 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Mar 10	4.55 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 01	4.86 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 04	4.89 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 04	5.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 04	4.26 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	May 22	4.01 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Dec 23	4.10 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
System Pressure < 20 psi	Nov 23	Possible Contamination Unitless	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

York Drinking Water System, Kleinburg Sub-System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Aug 11	5.48 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

York Drinking Water System, Newmarket Sub-System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Combined Chlorine Residual <0.25 mg/L	Apr 15	0.22 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Aug 12	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jul 17	4.04 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Aug 19	4.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Aug 20	4.10 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Nov 17	4.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Dec 11	4.15 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Dec 21	4.25 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Dec 22	4.30 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Dec 29	4.12 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Contact Time (CT) Not Met	Jan 30	0.04 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Apr 17	0.03 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 26	29.7 mg/L	Operator attended site. Resample taken.
		33.4 mg/L	Operator attended site. Resample taken.

York Drinking Water System, Stouffville Sub-System

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Contact Time (CT) Not Met	Aug 12	0.00 mg/L	Operator attended site, restored facility to normal operation
Free Chlorine Residual < 0.05 mg/L	May 12	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Jun 22	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Aug 12	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Sep 14	0.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

York Drinking Water System: Markham, Richmond Hill

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Combined Chlorine Residual < 0.25 mg/L	Jul 29	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Combined Chlorine Residual > 3.0 mg/L	Oct 26	3.40 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

York Drinking Water System: Vaughan

Incident Description	Incident Date	Adverse Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Jan 01	9.94 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jan 14	3.07 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jan 18	5.82 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Jan 29	5.44 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 05	3.43 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jun 23	4.92 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Dec 11	3.03 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Dec 21	3.06 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.