

2019 SUMMARY OF ADVERSE WATER QUALITY INCIDENTS AND CORRECTIVE ACTIONS

The Ministry of Environment, Conservation and Parks and the York Region Medical Officer of Health were satisfied with corrective actions taken for all events in the summary below and had no further direction.

Aurora Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Apr 06	5.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 16	4.10 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 20	4.22 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 31	5.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Oct 21	9.99 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 17	23.0 mg/L	Operator attended site. Resample taken.

Georgina Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Fluoride > 1.5 mg/L	Mar 18	2.0 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jun 20	2.0 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

Holland Landing Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jul 23	6.36 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Presence of Total coliform	Jun 05	Present	Operator attended site. Resample taken. Resample result non-detectable for total coliform.
	Jun 26	Present	Operator attended site. Resample taken. Resample result non-detectable for total coliform.

Keswick Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Fluoride > 1.5 mg/L	Jan 24	1.6 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Feb 13	1.65 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Dec 05	1.51 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

King City Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Sodium > 20.0 mg/L	Apr 03	26.7 mg/L	Operator attended site. Resample taken.

Kleinburg Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Sep 30	4.05 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Mount Albert Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	Mar 10	0.00 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Newmarket Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jan 25	4.37 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Feb 22	4.03 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Feb 24	4.30 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Oct 09	4.14 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Nov 19	4.62 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
Primary disinfection not met	Jan 24	0.03 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jan 26	0.07 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jan 28	0.03 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
System Pressure < 20 psi	Sep 19	< 20 PSI	Watermain break was repaired, disinfected, and flushed. Microbiological samples confirmed no contamination.

Schomberg Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Feb 27	3.08 mg/L	Operator attended site, restored facility to normal operation
	May 11	3.02 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	May 14	3.16 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Jul 25	3.06 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Aug 24	3.03 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Oct 05	3.07 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Oct 10	3.10 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Nov 20	3.06 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Sharon/Queensville Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	May 25	12.39 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.

Stouffville Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	Mar 16	0.05 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, Vaughan

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Jun 01	4.26 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.
	Oct 26	3.17 mg/L	Operator attended site, restored facility to normal operation. Compliant grab sample taken.