

2020 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.

Ansnoerveldt Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Sodium > 20.0 mg/L	Apr 15	41.9 mg/L	Operator attended site. Resample taken.

Aurora Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jul 05	5.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

Ballantrae-Musselman's Lake Drinking Water System

There were no adverse water quality incidents for this drinking water system

Georgina Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Filter Performance	Dec 17	>0.1 NTU	Filter performance monitored continuously, alarms halted flow through affected equipment. Operator attended site, facility restored to normal operation.
Fluoride > 1.5 mg/L	Jul 08	5.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Dec 04	2.00 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
Free Chlorine Residual < 0.05 mg/L	Sep 06	0.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 01	32.5 mg/L	Operator attended site. Resample taken.

Holland Landing Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

Keswick Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Filter Performance	Mar 23	2.99 NTU	Filter performance monitored continuously, alarms halted flow through affected equipment. Operator attended site, facility restored to normal operation.
	Aug 09	No coagulant	Operator attended site, restored facility to normal operation.
Fluoride > 1.5 mg/L	Feb 27	1.56 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Mar 20	1.96 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	May 21	1.68 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)

There were no adverse water quality incidents for this drinking water system

Kleinburg Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

Mount Albert Drinking Water System

There were no adverse water quality incidents for this drinking water system

Newmarket Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Dec 29	4.06 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.

Nobleton Drinking Water System

There were no adverse water quality incidents for this drinking water system

Schomberg Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Mar 06	3.07 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Mar 21	3.05 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Oct 24	3.27 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 16	3.42 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 25	3.05 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 28	3.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Dec 18	3.18 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 15	20.2 mg/L	Operator attended site. Resample taken.
	Apr 15	20.9 mg/L	Operator attended site. Resample taken.

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

There were no adverse water quality incidents for this drinking water system

Stouffville Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	May 22	0.04 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Aug 26	0.08 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.

York Drinking Water System: Markham, Richmond Hill, Vaughan

Incident Description	Date	Test Result	Corrective Action
System Pressure < 20 psi	Jan 03	0 PSI	Watermain break was repaired, disinfected, and flushed. Microbiological samples confirmed no contamination.
Combined Chlorine Residual > 3.0 mg/L	Apr 13	3.53 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.