



DRINKING WATER SYSTEM



Summary
Report
2018

2018 Summary Report Toronto (R.C. Harris) Water Treatment Plant

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February 7, 2019

1.0 General Overview

Toronto Water treats, transmits, stores and distributes potable (drinkable) water to all industrial, commercial and household water users in the City of Toronto. The division also delivers water to the southern portion of the Region of York.

Staff in this area are highly trained and specialized, operating four water treatment plants, two laboratories, 18 pumping stations, 10 major ground level storage reservoirs and four elevated storage tanks. Staff maintains about 520 kilometres of trunk watermains that supply the water reservoirs and over 5,525 kilometres of local distribution mains. Policies and practices adopted by the section help the unit to manage significant issues and challenges, including meeting water demands throughout the year, complying with provincial regulations and working responsibly to protect the environment and local water bodies.

This Summary Report is issued by Toronto Water under Schedule 22-2, O. Reg. 170/03 for the R.C. Harris Water Treatment Plant. The report covers the period from January 1, 2018 to December 31, 2018 except where stated otherwise.

2.0 System Approval

The City of Toronto is the operating authority of the Toronto Drinking Water System and has demonstrated through accreditation (most recent Certificate of Accreditation dated January 15, 2019) by an independent third party, that the Toronto Water Quality Management System meets the requirements of the Drinking Water Quality Management Standard and the Safe Drinking Water Act, 2002, and is managed in a planned and systematic manner.

The latest version of the City of Toronto Municipal Drinking Water Licence was issued on May 18th, 2018 by the Ontario Ministry of Environment, Conservation and Parks. Licence Number: 010-101, Issue Number: 9

The latest version of the City of Toronto Municipal Drinking Water Permit was issued on January 31st, 2017 by the Ontario Ministry of Environment, Conservation and Parks. Permit Number: 010-201, Issue Number: 5

The R.C. Harris Water Treatment Plant is designated a Class 4 Water Treatment Facility (Certificate No. 445) and is referenced as Drinking Water System Number 220002262.

The newest Permit to Take Water is designated by MECP Reference Number 0726-A6QJTA issued on March 23rd, 2016.

3.0 Site Inspections

The Ministry of the Environment (MECP) has implemented a rigorous and comprehensive Province-wide approach for the inspection of water systems that focuses on the source, treatment and distribution components as well as water system management practices.

The primary focus of such inspections has been to confirm compliance with provincial legislation and control documents, as well as conformance with MECP drinking-water related policies for the inspection period.

The Ministry of Environment conducted one (1) plant inspection of the R. C. Harris Water Treatment Plant during 2018. The site inspection was carried out at the R. C. Harris on July 19, 2018.

Specifically, the inspection included a review and assessment of operating practices in relation to the following documents:

- Safe Drinking Water Act, 2002
- Drinking Water Systems Regulation (O. Reg. 170/03)
- Ontario Drinking Water Quality Standards (O. Reg. 169/03)
- Operator Certification Regulation (O. Reg. 128/04)
- Municipal Drinking Water Licence (#010-101)
- Drinking Water Works Permit (#010-201)
- Permit to Take Water
- Director's Orders and/or Provincial Officer's Orders (if any)
- A Review of previous Ministry Inspection Reports

In all cases, there were no exceedances of health-related parameters for the Ministry of Environment, Conservation and Parks inspection samples of the treated water.

4.0 Compliance with Terms and Conditions of System Approval and Any Other Orders

Plant production was fully compliant with the Permit to Take Water and at no time during the year 2018 did Raw Water flows exceed the maximum values stipulated in the Permit to Take Water.

Water production rates at the R.C. Harris Water Treatment Plant in 2018 were fully compliant with the Municipal Drinking Water Licence.

Residue Management operated on a continuous basis. The quality of the process residuals was in compliance with requirements cited in the Municipal Drinking Water Licence. The annual average concentration of total suspended solids (TSS) in the effluent discharged from the plant thickeners was 7.08 mg/L and average Total Chlorine was 0 mg/L.

All plant production fully conformed to the "Procedure for Disinfection of Drinking Water in Ontario" as referenced by O. Reg. 170/03. Routine operation and maintenance on all critical process equipment was carried out and flow meter calibrations were completed as per

manufacturer's recommendations.

5.0 Non-Compliance with Terms and Conditions of System Approval

There were no incidences of non-compliance with the Terms and Conditions of the Municipal Drinking Water Licence or Drinking Water Works Permit for the R.C. Harris Water Treatment Plant in 2018.

6.0 Summary – Water Production

Monthly Average Output Water Flows for 2018 (As Conveyed to the Distribution System)

Month	Average Daily Volume (m ³ /day) <i>Rounded to the nearest thousand</i>
January	277,000
February	282,000
March	424,000
April	374,000
May	297,000
June	308,000
July	311,000
August	295,000
September	291,000
October	286,000
November	347,000
December	290,000

NOTE: Non-production days not included in monthly average daily volume.

Annual Daily Volume and Capacity Assessment for 2018

Parameter	Value <i>Rounded to the nearest thousand</i>
Average Daily Flow	315,000 m ³ /day
Maximum Day Flow (and Date Occurred)	512,000 m ³ April 08, 2018
Rated Capacity	950,000 m ³ /day
Highest Capacity Used	53.9 %

7.0 Summary of Flows Exceeding the Municipal Drinking Water Licence Requirements

There were no instances of treated water flows exceeding the rated capacity stated in the Municipal Drinking Water Licence for the R.C. Harris Water Treatment Plant in 2018.

8.0 City of Toronto Endorsement of Summary Report

This Summary Report has been signed off by Lou Di Gironimo, General Manager of Toronto Water, on behalf of the City of Toronto Council.

A copy of this report has been forwarded to the members of the City Council in 2019 as per regulatory requirements.

9.0 Contacts

While all efforts have been made to provide the required information in the proper format and degree of detail, it is acknowledged that additional information and/or detail may be required.

For additional information or inquiries, please contact customer service by phone at 311 or by email (311@toronto.ca).

2018 Summary Report Toronto (Island) Water Treatment Plant

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February 7, 2019

1.0 General Overview

Toronto Water treats, transmits, stores and distributes potable (drinkable) water to all industrial, commercial and household water users in the City of Toronto. The division also delivers water to the southern portion of the Region of York.

Staff in this area are highly trained and specialized, operating four water treatment plants, two laboratories, 18 pumping stations, 10 major ground level storage reservoirs and four elevated storage tanks. Staff maintains about 520 kilometres of trunk watermains that supply the water reservoirs and over 5,525 kilometres of local distribution mains. Policies and practices adopted by the section help the unit to manage significant issues and challenges, including meeting water demands throughout the year, complying with provincial regulations and working responsibly to protect the environment and local water bodies.

This Summary Report is issued by Toronto Water under Schedule 22-2, O. Reg. 170/03 for the Island Water Treatment Plant. The report covers the period from January 1, 2018 to December 31, 2018 except where stated otherwise.

2.0 System Approval

The City of Toronto is the operating authority of the Toronto Drinking Water System and has demonstrated through accreditation (most recent Certificate of Accreditation dated January 15, 2019) by an independent third party, that the Toronto Water Quality Management System meets the requirements of the Drinking Water Quality Management Standard and the Safe Drinking Water Act, 2002, and is managed in a planned and systematic manner.

The latest version of the City of Toronto Municipal Drinking Water Licence was issued on May 18th, 2018 by the Ontario Ministry of Environment, Conservation and Parks. Licence Number: 010-101, Issue Number: 9

The latest version of the City of Toronto Municipal Drinking Water Permit was issued on January 31st, 2017 by the Ontario Ministry of Environment, Conservation and Parks. Permit Number: 010-201, Issue Number: 5

The Island Water Treatment Plant is designated a Class 4 Water Treatment Facility (Certificate No. 443) and is referenced as Drinking Water System Number 220002244.

The newest Permit to Take Water is designated by MECP Reference Number 1866-A6QHRP issued on March 23rd, 2016.

3.0 Site Inspections

The Ministry of the Environment (MECP) has implemented a rigorous and comprehensive Province-wide approach for the inspection of water systems that focuses on the source, treatment and distribution components as well as water system management practices.

The primary focus of such inspections has been to confirm compliance with provincial legislation and control documents, as well as conformance with MECP drinking-water related policies for the inspection period.

The Ministry of Environment conducted one (1) plant inspection of the Island Water Treatment Plant during 2018. The unannounced site inspection was carried out on June 19, 2018.

Specifically, the inspection included a review and assessment of operating practices in relation to the following documents:

- Safe Drinking Water Act, 2002
- Drinking Water Systems Regulation (O. Reg. 170/03)
- Ontario Drinking Water Quality Standards (O. Reg. 169/03)
- Operator Certification Regulation (O. Reg. 128/04)
- Municipal Drinking Water Licence (#010-101)
- Drinking Water Works Permit (#010-201)
- Permit to Take Water
- Director's Orders and/or Provincial Officer's Orders (if any)
- A Review of previous Ministry Inspection Reports

In all cases, there were no exceedances of health-related parameters for the Ministry of Environment, Conservation and Parks inspection samples of the treated water.

4.0 Compliance with Terms and Conditions of System Approval and Any Other Orders

Plant production was fully compliant with the Permit to Take Water and at no time during the year 2018 did Raw Water flows exceed the maximum values stipulated in the Permit to Take Water.

Water production rates at the Island Water Treatment Plant in 2018 were fully compliant with the Municipal Drinking Water Licence.

All plant production fully conformed to the "Procedure for Disinfection of Drinking Water in Ontario" as referenced by O. Reg. 170/03. Routine operation and maintenance on all critical process equipment was carried out and flow meter calibrations were completed as per manufacturer's recommendations.

The Residue Management settling tanks operated on a continuous basis. The quality of the process residuals was in compliance with the requirements cited in the Drinking Water Licence. The annual average concentration of total suspended solids in the effluent discharged from the Plant's slow sand filters was 3.2 mg/L and Total Chlorine was 0.0014 mg/L.

5.0 Non-Compliance with Terms and Conditions of System Approval

There were no incidences of non-compliance with the Terms and Conditions of the Municipal Drinking Water Licence or Drinking Water Works Permit for the Island Water Treatment Plant in 2018.

6.0 Summary – Water Production

Monthly Average Output Water Flows for 2018 (As Conveyed to the Distribution System)

Month	Average Daily Volume (m ³ /day) <i>Rounded to the nearest thousand</i>
January	270,000
February	271,000
March	242,000 *
April	244,000 *
May	305,000
June	326,000
July	354,000
August	363,000
September	349,000
October	301,000
November	267,000
December	263,000

*Island Water Treatment Plant shut-down for maintenance for at least part of the period.
NOTE: Non-production days not included in monthly average daily volume.

Annual Daily Volume and Capacity Assessment for 2018

Parameter	Value <i>Rounded to the nearest thousand</i>
Average Daily Flow	302,000 m ³ /day
Maximum Day Flow (and Date Occurred)	377,000 m ³ (September 17, 2018)
Rated Capacity	410,000 m ³ /day
Highest Capacity Used	92 %

7.0 Summary of Flows Exceeding the Municipal Drinking Water Licence Requirements

There were no instances of treated water flows exceeding the rated capacity stated in the Municipal Drinking Water Licence for the Island Water Treatment Plant in 2018.

8.0 City of Toronto Endorsement of Summary Report

This Summary Report has been signed off by Lou Di Gironimo, General Manager of Toronto Water on behalf of the City of Toronto Council.

A copy of this report has been forwarded to the members of the City Council in 2019 as per regulatory requirements.

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2018 Summary Report

Toronto (R. L. Clark) Water Treatment Plant

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February 7, 2019

1.0 General Overview

Toronto Water treats, transmits, stores and distributes potable (drinkable) water to all industrial, commercial and household water users in the City of Toronto. The division also delivers water to the southern portion of the Region of York.

Staff in this area are highly trained and specialized, operating four water treatment plants, two laboratories, 18 pumping stations, 10 major ground level storage reservoirs and four elevated storage tanks. Staff maintains about 520 kilometres of trunk watermains that supply the water reservoirs and over 5,525 kilometres of local distribution mains. Policies and practices adopted by the section help the unit to manage significant issues and challenges, including meeting water demands throughout the year, complying with provincial regulations and working responsibly to protect the environment and local water bodies.

This Summary Report is issued by Toronto Water under Schedule 22-2, O. Reg. 170/03 for the R.L. Clark Water Treatment Plant. The report covers the period from January 1, 2018 to December 31, 2018 except where stated otherwise.

2.0 System Approval

The City of Toronto is the operating authority of the Toronto Drinking Water System and has demonstrated through accreditation (most recent Certificate of Accreditation dated January 15, 2019) by an independent third party, that the Toronto Water Quality Management System meets the requirements of the Drinking Water Quality Management Standard and the Safe Drinking Water Act, 2002, and is managed in a planned and systematic manner.

The latest version of the City of Toronto Municipal Drinking Water Licence was issued on May 18th, 2018 by the Ontario Ministry of Environment, Conservation and Parks. Licence Number: 010-101, Issue Number: 9

The latest version of the City of Toronto Municipal Drinking Water Permit was issued on January 31st, 2017 by the Ontario Ministry of Environment, Conservation and Parks. Permit Number: 010-201, Issue Number: 5

The R.L. Clark Water Treatment Plant is designated a Class 4 Water Treatment Facility (Certificate No. 444) and is referenced as Drinking Water System Number 220002253 (MECP).

The newest Permit to Take Water is designated by MECP Reference Number 0016-A6QKN2 issued on March 23rd, 2016.

3.0 Site Inspections

The Ministry of the Environment (MECP) has implemented a rigorous and comprehensive Province-wide approach for the inspection of water systems that focuses on the source, treatment and distribution components as well as water system management practices.

The primary focus of such inspections has been to confirm compliance with provincial legislation and control documents, as well as conformance with MECP drinking water-related policies for the inspection period.

The Ministry of Environment, Conservation and Parks (MECP) initiated a focused site inspection of the R.L. Clark Water Treatment Plant on July 24, 2018.

Specifically, the inspection included a review and assessment of operating practices in relation to the following documents:

- Safe Drinking Water Act, 2002
- Drinking Water Systems Regulation (O. Reg. 170/03)
- Ontario Drinking Water Quality Standards (O. Reg. 169/03)
- Operator Certification Regulation (O. Reg. 128/04)
- Municipal Drinking Water Licence (#010-101)
- Drinking Water Works Permit (#010-201)
- Permit to Take Water
- Director's Orders and/or Provincial Officer's Orders (if any)
- A Review of previous Ministry Inspection Reports

In all cases, there were no exceedances of health-related parameters for the Ministry of Environment, Conservation and Parks inspection samples of the treated water.

4.0 Compliance with Terms and Conditions of System Approval and Any Other Orders

Plant production was fully compliant with the Permit to Take Water and at no time during the year 2018 did Raw Water flows exceed the maximum values stipulated in the Permit to Take Water.

All plant production fully conformed to the "Procedure for Disinfection of Drinking Water in Ontario" as referenced by O. Reg. 170/03. Routine operation and maintenance on all critical process equipment was carried out and flow meter calibrations were completed as per manufacturer's recommendations.

5.0 Non-Compliance with Terms and Conditions of System Approval

There were no known incidences of non-compliance with the Terms and Conditions of the Municipal Drinking Water Licence or Drinking Water Works Permit for the R.L. Clark WTP in 2018.

6.0 Summary – Water Production

Monthly Average Output Water Flows for 2018 (As Conveyed to the Distribution System)

Month	Average Daily Volume (m ³ /day) <i>Rounded to the nearest thousand</i>
January	403,000
February	388,000
March	369,000
April	358,000
May	366,000
June	440,000
July	449,000
August	432,000
September	415,000
October	361,000
November	266,000
December	331,000

NOTE: Non-production days not included in monthly average daily volume.

Annual Daily Volume and Capacity Assessment for 2018

Parameter	Value <i>Rounded to the nearest thousand</i>
Average Daily Flow	382,000 m ³ /day
Maximum Day Flow (and Date Occurred)	497,000 m ³ (June 16, 2018)
Rated Capacity	615,000 m ³ /day
Highest Capacity Used	80.8 %

7.0 Summary of Flows Exceeding the Municipal Drinking Water Licence Requirements

There were no instances of treated water flows exceeding the rated capacity stated in the Municipal Drinking Water Licence for the R.L. Clark Water Treatment Plant in 2018.

8.0 City of Toronto Endorsement of Summary Report

This Summary Report has been signed off by Lou Di Gironimo, General Manager of Toronto Water, on behalf of the City of Toronto Council.

A copy of this report has been forwarded to the members of the City Council in 2019 as per regulatory requirements.

9.0 Contacts

While all efforts have been made to provide the required information in the proper format and degree of detail, it is acknowledged that additional information and/or detail may be required.

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2018 Summary Report Toronto (F.J. Horgan) Water Treatment Plant

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February 7, 2019

1.0 General Overview

Toronto Water treats, transmits, stores and distributes potable (drinkable) water to all industrial, commercial and household water users in the City of Toronto. The division also delivers water to the southern portion of the Region of York.

Staff in this area are highly trained and specialized, operating four water treatment plants, two laboratories, 18 pumping stations, 10 major ground level storage reservoirs and four elevated storage tanks. Staff maintains about 520 kilometres of trunk watermains that supply the water reservoirs and over 5,525 kilometres of local distribution mains. Policies and practices adopted by the section help the unit to manage significant issues and challenges, including meeting water demands throughout the year, complying with provincial regulations and working responsibly to protect the environment and local water bodies.

This Summary Report is issued by Toronto Water under Schedule 22-2, O. Reg. 170/03 for the F.J. Horgan Water Treatment Plant. The report covers the period from January 1, 2018 to December 31, 2018 except where stated otherwise.

2.0 System Approval

The City of Toronto is the operating authority of the Toronto Drinking Water System and has demonstrated through accreditation (most recent Certificate of Accreditation dated January 15, 2019) by an independent third party, that the Toronto Water Quality Management System meets the requirements of the Drinking Water Quality Management Standard and the Safe Drinking Water Act, 2002, and is managed in a planned and systematic manner.

The latest version of the City of Toronto Municipal Drinking Water Licence was issued on May 18th, 2018 by the Ontario Ministry of Environment, Conservation and Parks. Licence Number: 010-101, Issue Number: 9

The latest version of the City of Toronto Municipal Drinking Water Permit was issued on January 31st, 2017 by the Ontario Ministry of Environment, Conservation and Parks. Permit Number: 010-201, Issue Number: 5

The F.J. Horgan Water Treatment Plant is designated a Class 4 Water Treatment Facility (Certificate No. 446) and is referenced as Drinking Water System Number 220004536 (MECP).

The newest Permit to Take Water is designated by MECP Reference Number 6604-A6QKEB issued on March 23rd, 2016.

3.0 Site Inspections

The Ministry of the Environment (MECP) has implemented a rigorous and comprehensive Province-wide approach for the inspection of water systems that focuses on the source, treatment and distribution components as well as water system management practices.

The primary focus of such inspections has been to confirm compliance with provincial legislation and control documents, as well as conformance with MECP drinking-water related policies for the inspection period.

The Ministry of Environment, Conservation and Parks (MECP) initiated a site inspection of the FJ Horgan Treatment Plant on November 27, 2018. Follow-up site visits for the purposes of the inspection were conducted on December 3 and 10, 2018. As of December 31, 2018 the annual inspection had not been completed.

4.0 Compliance with Terms and Conditions of System Approval and Any Other Orders

Plant production was fully compliant with the Permit to Take Water and at no time during the year 2018 did Raw Water flows exceed the maximum values stipulated in the Permit to Take Water.

Water production rates at the FJ Horgan Treatment Plant in 2018 were fully compliant with the Municipal Drinking Water Licence.

All plant production fully conformed to the “Procedure for Disinfection of Drinking Water in Ontario” as referenced by O. Reg. 170/03. Routine operation and maintenance on all critical process equipment was carried out and flow meter calibrations were completed as per manufacturer's recommendations.

5.0 Non-Compliance with Terms and Conditions of System Approval

The results of the 2018 MECP Inspection for the FJ Horgan WTP were not available as of December 31, 2018.

6.0 Summary – Water Production

Monthly Average Output Water Flows for 2018 (As Conveyed to the Distribution System)

Month	Average Daily Volume (m ³ /day) <i>Rounded to the nearest thousand</i>
January	225,000
February	198,000
March	232,000
April	227,000
May	242,000
June	292,000

July	289,000
August	215,000
September	212,000
October	208,000
November	244,000
December	224,000

Annual Daily Volume and Capacity Assessment for 2018

Parameter	Value <i>Rounded to the nearest thousand</i>
Average Daily Flow	234,000 m ³ /day
Maximum Day Flow (and Date Occurred)	447,000 m ³ (July 1, 2018)
Rated Capacity	800,000 m ³ /day
Highest Capacity Used	55.9 %

7.0 Summary of Flows Exceeding the Municipal Drinking Water Licence Requirements

There were no instances of treated water flows exceeding the rated capacity stated in the Municipal Drinking Water Licence for the F.J. Horgan Water Treatment Plant in 2018.

8.0 City of Toronto Endorsement of Summary Report

This Summary Report has been signed off by Lou Di Gironimo, General Manager of Toronto Water on behalf of the City of Toronto Council.

A copy of this report has been forwarded to the members of the City Council in 2019 as per regulatory requirements.

9.0 Contacts

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2018 Summary Report City of Toronto Distribution System

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February 7, 2019

1.0 General Overview

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Staff in this area are highly trained and specialized, operating four water treatment plants, two laboratories, 18 pumping stations, 10 major ground level storage reservoirs and four elevated storage tanks. Policies and practices adopted by the section help the unit to manage significant issues and challenges, including meeting water demands throughout the year, complying with provincial regulations and working responsibly to protect the environment and local water bodies.

Toronto Water Distribution and Supply provides water distribution services to 515,345 residential and industrial/commercial accounts. Maintenance and operation of the distribution system is carried out by district staff in four Water Distribution Districts: North, West, East, and South. Distribution & Collection is responsible for regular hydrant and valve inspections, watermain flushing, investigation of water pressure and water quality complaints, repair or replacement of watermains, water services, valves and hydrants. Distribution staff inspect, operate, and maintain the existing water distribution system which include, but is not limited to:

- 5,016 km of watermains
- 44,000 water hydrants
- 52,900 valves
- 12 pressure districts

This Summary Report is issued by Toronto Water under Schedule 22-2, O. Reg. 170/03 for the City of Toronto Distribution System (managed by Water Supply and Distribution & Collection). The report covers the period from January 1, 2018 to December 31, 2018 except where stated otherwise.

2.0 System Approval

The City of Toronto Distribution System is categorized as a Large Municipal Residential System and is referenced as Drinking Water System Number 260090363 (MECP). The name of the system is City of Toronto Drinking Water System – Toronto DS.

The City of Toronto is the operating authority of the Toronto Drinking Water System and has demonstrated through accreditation (most recent Certificate of Accreditation dated January 15, 2019) by an independent third party, that the Toronto Water Quality Management System meets the requirements of the Drinking Water Quality Management Standard and the Safe Drinking Water Act, 2002, and is managed in a planned and systematic manner.

The latest version of the City of Toronto Municipal Drinking Water Licence was issued on May 18th, 2018 by the Ontario Ministry of Environment, Conservation and Parks. Licence Number: 010-101, Issue Number: 9

The latest version of the City of Toronto Municipal Drinking Water Permit was issued on January 31st, 2017 by the Ontario Ministry of Environment, Conservation and Parks. Permit Number: 010-201, Issue Number: 5

3.0 Site Inspections

The Ministry of the Environment (MECP) has implemented a rigorous and comprehensive Province-wide approach for the inspection of water systems that focuses on the source, treatment and distribution components as well as water system management practices.

The primary focus of such inspections has been to confirm compliance with the provincial legislation and control documents, as well as conformance with Ministry of Environment drinking water-related policies and guidelines for the inspection period.

The inspection is based on a “stand alone connected distribution system”. The elements are reviewed to assess key compliance and conformance to issues associated with a receiver system as defined under O. Reg. 172/03. The inspection includes a review and assessment of operating practices in relation to the following documentation:

- Treatment Processes
- Distribution System
- Operational Manuals
- Logbooks (O. Reg. 170/03)
- Security
- Certification and Training
- Water Quality Monitoring (O. Reg. 170/03)
- Water Quality Assessment (O. Reg. 169/03)
- Reporting and Corrective actions (O. Reg. 170/03)

The Ministry of Environment, Conservation and Parks (MECP) initiated an announced site inspection of Toronto's Distribution and Supply System on February 5, 2018. The site inspections were carried out at various Distribution & Collection locations, Water Supply, and Engineering & Construction Services in the following weeks.

4.0 Compliance with Terms and Conditions of the System Approval and Any Other Orders

The 2017-2018 Distribution System Drinking Water Inspection was performed on February 5, 2018 and the Inspection Report issued on March 26, 2018. The Inspector noted that a follow-up review of records indicated that the City of Toronto is complying with the Provincial Order issued from the previous inspection period. The Order prescribed action items to correct issues relating to new watermain construction projects. With the exception of one isolated incident that will be described in the next section of this report, the Toronto Distribution and Supply System was operated in full compliance with applicable regulations, Permit, and Licence.

5.0 Non-Compliance with the Terms and Conditions of the System Approval

From April 27th to August 1st, 2017, there were two incidences of failure to maintain and report issues relating to secondary disinfection at one specific section of watermain in the Distribution System. It must be noted that the same issue was properly reported to the Ministry three separate times prior to the aforementioned reoccurrences at the same location. The root cause was determined to be a deteriorating watermain which was then rehabilitated under an emergency capital works project and completed in October 2017. The incidences of non-compliance was from staff miscommunication during the proactive weekly flushing of that section of watermain until rehabilitation could be completed.

6.0 City of Toronto Endorsement of Summary Report

This Summary Report has been signed off by Lou Di Gironimo, General Manager of Toronto Water on behalf of the City of Toronto Council.

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