



DRINKING WATER SYSTEM



Summary Report 2022

2022 SUMMARY REPORT

(SCHEDULE 22-2, O.REG.170/03)

Toronto Water Treatment Plant: R.C. Harris

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SUMMARY REPORT (SCHEDULE 22-2 OF O.REG.170/03): CITY OF TORONTO DRINKING WATER SYSTEM

1. DRINKING WATER SYSTEM INFORMATION

Drinking-Water System Number:	220002262
Drinking-Water System Name:	City of Toronto Drinking Water System
Drinking-Water System Owner:	City of Toronto
Drinking-Water System Category:	Large Municipal Residential
Facility Classification:	Class 4 Water Treatment Facility (Certificate No. 445)
Permit to Take Water:	0726-A6QJTA
Drinking Water Works Permit:	010-201
Drinking Water Works Licence:	010-101
DWQMS Re-Accreditation Audit:	CERT-0135482
Period being Reported:	January 1, 2022 to December 31, 2022

2. 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, 11 major ground level storage reservoirs and four elevated storage tanks. Staff maintains approximately 510 kilometres of trunk watermains that supply the water reservoirs and 5,583 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.

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3. SUMMARY – NON-COMPLIANCE

The next table summarizes any available incidences (from MECP Inspection Reports) where requirements from applicable regulatory instruments were not met at any time during the reporting period; the duration of each incident; and the corresponding corrective actions taken to respond to them. The applicable regulatory instruments are:

- Safe Drinking Water Act (SDWA)
- Applicable SDWA Regulations, including but not limited to:
 - O. Reg. 170/03: DRINKING WATER SYSTEMS

- O. Reg. 128/04: CERTIFICATION OF DRINKING WATER SYSTEM OPERATORS AND WATER QUALITY ANALYSTS
- O. Reg. 169/03: ONTARIO DRINKING WATER QUALITY STANDARDS
- O. Reg. 248/03: DRINKING WATER TESTING SERVICES
- Drinking Water System Approval
- Drinking Water Works Permit
- Drinking Water Licence
- Any orders applicable to the system

INCIDENT DATE	REGULATORY INSTRUMENT REFERENCE	DESCRIPTION	CORRECTIVE ACTION	INCIDENT DURATION
N/A	N/A	N/A	N/A	N/A

4. SUMMARY – WATER PRODUCTION

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

MONTH	AVERAGE DAILY VOLUME (m ³)
January	352,334
February	324,052
March	534,059
April	355,960
May	330,112
June	335,982
July	350,187
August	343,045
September	348,282
October	331,625
November	303,195
December	370,284

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

Annual Daily Volume and Capacity Assessment for Reporting Period

PARAMETER	VALUE
Average Daily Flow (m ³)	357,088
Maximum Day Flow (m ³) (and Date Occurred)	657,010 March 19, 2022
Rated Capacity (m ³ /day)	950,000
Highest Capacity Used (% of rated)	69%

5. 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 2023 as per regulatory requirements.

6. CONTACTS

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

2022 SUMMARY REPORT

(SCHEDULE 22-2, O.REG.170/03)

Toronto Water Treatment Plant: Island

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SUMMARY REPORT (SCHEDULE 22-2 OF O.REG.170/03): CITY OF TORONTO DRINKING WATER SYSTEM

1. DRINKING WATER SYSTEM INFORMATION

Drinking-Water System Number:	220002244
Drinking-Water System Name:	City of Toronto Drinking Water System
Drinking-Water System Owner:	City of Toronto
Drinking-Water System Category:	Large Municipal Residential
Facility Classification:	Class 4 Water Treatment Facility (Certificate No. 443)
Permit to Take Water:	5537-C4JH8M
Drinking Water Works Permit:	010-201
Drinking Water Works Licence:	010-101
DWQMS Re-Accreditation Audit:	CERT-0135482
Period being Reported:	January 1, 2022 to December 31, 2022

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- O. Reg. 169/03: ONTARIO DRINKING WATER QUALITY STANDARDS
- O. Reg. 248/03: DRINKING WATER TESTING SERVICES
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- Drinking Water Works Permit
- Drinking Water Licence
- Any orders applicable to the system

INCIDENT DATE	REGULATORY INSTRUMENT REFERENCE	DESCRIPTION	CORRECTIVE ACTION	INCIDENT DURATION
N/A	N/A	N/A	N/A	N/A

4. SUMMARY – WATER PRODUCTION

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

MONTH	AVERAGE DAILY VOLUME (m ³)
January	277,549 *
February	299,814
March	277,387 *
April	302,164 *
May	340,526
June	365,501
July	375,122
August	372,456
September	361,083
October	333,282
November	322,340
December	267,306

*Island Water Treatment Plant shutdown 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 Reporting Period

PARAMETER	VALUE
Average Daily Flow (m ³)	328,454
Maximum Day Flow (m ³) (and Date Occurred)	400,040 (July 18, 2022)
Rated Capacity (m ³ /day)	440,000
Highest Capacity Used (% of rated)	91%

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2022 SUMMARY REPORT

(SCHEDULE 22-2, O.REG.170/03)

Toronto Water Treatment Plant: R.L. Clark

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SUMMARY REPORT (SCHEDULE 22-2 OF O.REG.170/03): CITY OF TORONTO DRINKING WATER SYSTEM

1. DRINKING WATER SYSTEM INFORMATION

Drinking-Water System Number:	220002253
Drinking-Water System Name:	City of Toronto Drinking Water System
Drinking-Water System Owner:	City of Toronto
Drinking-Water System Category:	Large Municipal Residential
Facility Classification:	Class 4 Water Treatment Facility (Certificate No. 444)
Permit to Take Water:	0016-A6QKN2
Drinking Water Works Permit:	010-201
Drinking Water Works Licence:	010-101
DWQMS Re-Accreditation Audit:	CERT-0135482
Period being Reported:	January 1, 2022 to December 31, 2022

2. GENERAL OVERVIEW

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INCIDENT DATE	REGULATORY INSTRUMENT REFERENCE	DESCRIPTION	CORRECTIVE ACTION	INCIDENT DURATION
N/A	N/A	N/A	N/A	N/A

4. SUMMARY – WATER PRODUCTION

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

MONTH	AVERAGE DAILY VOLUME (m ³)
January	302,450
February	338,390
March	327,940
April	308,170
May	355,160
June	370,660
July	390,620
August	371,250
September	354,530
October	330,830
November	341,850
December	342,860

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

Annual Daily Volume and Capacity Assessment for Reporting Period

PARAMETER	VALUE
Average Daily Flow (m ³)	344,620
Maximum Day Flow (m ³) (and Date Occurred)	454,450 (June 25, 2022)
Rated Capacity (m ³ /day)	615,000
Highest Capacity Used (% of rated)	74

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2022 SUMMARY REPORT

(SCHEDULE 22-2, O.REG.170/03)

Toronto Water Treatment Plant: F.J. Horgan

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SUMMARY REPORT (SCHEDULE 22-2 OF O.REG.170/03): CITY OF TORONTO DRINKING WATER SYSTEM

1. DRINKING WATER SYSTEM INFORMATION

Drinking-Water System Number:	220004536
Drinking-Water System Name:	City of Toronto Drinking Water System
Drinking-Water System Owner:	City of Toronto
Drinking-Water System Category:	Large Municipal Residential
Facility Classification:	Class 4 Water Treatment Facility (Certificate No. 446)
Permit to Take Water:	6604-A6QKEB
Drinking Water Works Permit:	010-201
Drinking Water Works Licence:	010-101
DWQMS Re-Accreditation Audit:	CERT-0135482
Period being Reported:	January 1, 2022 to December 31, 2022

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INCIDENT DATE	REGULATORY INSTRUMENT REFERENCE	DESCRIPTION	CORRECTIVE ACTION	INCIDENT DURATION
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4. SUMMARY – WATER PRODUCTION

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

MONTH	AVERAGE DAILY VOLUME (m ³)
January	226,680
February	268,050
March	227,020
April	184,850
May	202,820
June	280,980
July	311,510
August	306,940
September	257,640
October	210,470
November	246,960
December	232,920

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

Annual Daily Volume and Capacity Assessment for Reporting Period

PARAMETER	VALUE
Average Daily Flow (m ³)	249,880
Maximum Day Flow (m ³) (and Date Occurred)	384,270 (September 18, 2022)
Rated Capacity (m ³ /day)	800,000
Highest Capacity Used (% of rated)	48.0

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(SCHEDULE 22-2, O.REG.170/03)

Toronto Water: Distribution System

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SUMMARY REPORT (SCHEDULE 22-2 OF O.REG.170/03): CITY OF TORONTO DRINKING WATER SYSTEM

1. DRINKING WATER SYSTEM INFORMATION

Drinking-Water System Number:	260090363
Drinking-Water System Name:	City of Toronto Drinking Water System
Drinking-Water System Owner:	City of Toronto
Drinking-Water System Category:	Large Municipal Residential
Facility Classification:	Class 2 Water Distribution Facility (Certificate No. 9207) Class 4 Trunk Water Distribution Subsystem (Cert. 1532)
Permit to Take Water:	N/A
Drinking Water Works Permit:	010-201
Drinking Water Works Licence:	010-101
DWQMS Re-Accreditation Audit:	CERT-0135482
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