



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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February 17, 2017

Mr. Brad McRoberts
CAO/Clerk
P.O. Box 160
7275 Sideroad 3
Drayton, Ontario
N0G 1PD

Re: Safe Drinking Water Act, O. Reg. 170/03 Schedule 22 Summary Report

Mr. McRoberts,

Attached is the 2016 Summary Report for the **Drayton Water Supply System**. This report has been completed based on the information we have in our records and in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act, which requires a Summary Report to be prepared not later than March 31st of each year for the preceding calendar year. This report covers the period of January 1, 2016 to December 31, 2016.

After your review and inclusion of any additional information, this Summary Report must be provided to the members of the municipal council. The report is not intended for distribution to the Ministry of the Environment and Climate Change.

Section 12 of O. Reg. 170/03, requires both the Summary Report and the Annual Report to be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the municipality, or at a location that is reasonably convenient to the users of the water system, as indicated in the Section 11 Annual Report, as required by Section 12 (4) of O. Reg. 170/03.

Sincerely,



Scott Craggs
Senior Operations Manager
West Highlands Hub
Ontario Clean Water Agency

SC/lb

cc: Lisa Benoit, PCT



**Ontario Clean Water Agency
Agence Ontarienne Des Eaux**

DRAYTON WATER SUPPLY SYSTEM

Large Municipal Residential Drinking Water System

SCHEDULE 22

SUMMARY REPORT

For the period of

JANUARY 01, 2016 TO DECEMBER 31, 2016

**Prepared by the Ontario Clean Water Agency
For the Township Of Mapleton**

SUMMARY

This report is a summary of water quality and quantity information submitted in accordance with schedule 22 of Ontario's Drinking Water System regulation for the reporting period of January 01, 2016 to December 31, 2016 for the Drayton Water Supply System, located in the Township of Mapleton

The summary includes:

1. Any requirements of the Act and Regulation, Orders or System Approval (s) that the system failed to meet during the reporting period and the measures taken to correct each failure.
2. A summary of the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows.
3. A comparison of the average and monthly maximum daily flows to the approved capacity specified in the System Approval.

ISSUES OF NON-COMPLIANCE

There were 2 issues of non-compliance for the inspection period of July 10, 2015 to June 29, 2016 – an inspection rating of 96.74% was received.

The following table lists the requirements of the Act, Regulations, System Approval (s) and any Order that the system failed to meet during the reporting period and the measures taken to correct each failure:

Drinking Water Legislation	Requirement(s) the system failed to meet	Duration	Corrective Action(s)	Status
Part V of the SDWA	There was not sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA.	August 7 th and 8 th , 2015	The Township is to provide a written update to the undersigned officer within two weeks of installation of the proposed SCADA system.	Completed August 22/16
O. Reg. 128/04 Section 27(5)6	Ontario Regulation 128/04 (O.Reg.128/04), section 27(5)6 states that information should be entered in the logs when any equipment is taken out of service or ceases to operate and any action taken to maintain or repair the equipment.	August 8 th , 2015	Refresher training on logbook entries shall be provided to the operator responsible for the August 8, 2015 entry, to help ensure more details are included in future entries where equipment is taken out of service or ceased to operate. Confirmation of completion of this training shall be provided to the undersigned provincial officer by October 14, 2016.	Completed October 3, 2016

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
No Incidents to Report in 2016					

ASSESSMENT OF FLOW RATES AND QUANTITIES OF WATER SUPPLIED

The following table lists the quantities and flow rates of the water supplied during the reporting period covered by this report, including monthly average and maximum daily flows and a comparison to the rated capacity and flow rates specified in the system approval:

Summary of Raw Water Flows - Drayton Pumphouse

Well # 1&2

MDWL (Rated Capacity 3,928 m³/day)

MONTH	Avg. Daily Volume m ³	% Of Approved Volume	MAX Daily Volume m ³ /d	% Of Approved Volume
JANUARY	355.66	9.05	483.00	12.30
FEBRUARY	340.41	8.67	432.05	11.00
MARCH	407.63	10.38	885.60	22.55
APRIL	350.27	8.92	511.90	13.03
MAY	441.63	11.24	716.02	18.23
JUNE	409.79	10.43	604.21	15.38
JULY	430.21	10.95	610.09	15.53
AUGUST	494.03	12.58	743.34	18.92
SEPTEMBER	469.42	11.95	700.12	17.82
OCTOBER	434.13	11.05	660.11	16.81
NOVEMBER	390.41	9.94	475.27	12.10
DECEMBER	373.96	9.52	470.50	11.98

Please refer to Appendix A for the PTTW flow and flow rate data for Well 1 and Well 2

APPENDIX A

Drayton Drinking Water System

Water taking permitted as per **PTTW # 0758-98MLKT**

Flow & Flowrates for Well 1 & 2

Location:

RW – Raw Water – Well #1
RW – Raw Water – Well #2

Facility Flow Summary

Drinking-Water System Number: 220004064
 Drinking-Water System Name: DRAYTON DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Corporation/Company
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 105-101
 Period being reported: 01/2016 12/2016

Raw Water					
Raw Water (Source Name)		Raw Water 1			
Source Type:		Drilled			
Drinking Water Permit to Take Water No:		0758-98MLKT			
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Daily Flow Peak Flow Rate (L/sec)
Jan	10890.36	351.30	483.00	1197.14	
Feb	9423.73	336.56	425.45	1208.06	
Mar	84.75	21.19	23.90	1327.78	
Apr	9188.72	340.32	453.24	1068.02	
May	753.55	125.59	457.26	1315	
Jun	11832.69	408.02	604.21	1074.37	
Jul	7274.77	363.74	575.50	1040.04	
Aug	337.09	25.93	159.83	1200.23	21.40
Sep	10689.81	411.15	526.97		21.80
Oct	4880.37	271.13	476.64		19.40
Nov	2694.05	224.50	408.27		20.50
Dec	11145.09	359.52	470.50		19.30
Total	79194.98				
Avg		269.91			
Max			604.21	1327.78	21.80
Criteria			1964.00	1364.00	22.73

Facility Flow Summary

Drinking-Water System Number: 220004064
 Drinking-Water System Name: DRAYTON DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Corporation/Company
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 105-101
 Period being reported: 01/2016 12/2016

Raw Water					
Raw Water (Source Name)		Raw Water 2			
Source Type:		Drilled			
Drinking Water Permit to Take Water No:		0758-98MLKT			
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Daily Flow Peak Flow Rate (L/sec)
Jan	135.00	27.00	63.90	1291.67	
Feb	448.10	74.68	412.30	1250.00	
Mar	12551.70	404.89	885.60	1239.05	
Apr	1319.30	164.91	511.90	1283.33	
May	12936.90	446.10	716.20	1162.55	
Jun	461.00	92.20	430.90	1166.67	
Jul	6061.80	404.12	585.50	1175.00	
Aug	14977.90	483.16	730.70	1152.74	20.10
Sep	3392.66	282.72	587.03		20.20
Oct	8577.60	389.89	509.65		19.70
Nov	9018.34	375.76	475.27		19.60
Dec	447.76	74.63	215.49		19.30
Total	70328.06				
Avg		268.34			
Max			885.60	1291.67	20.20
Criteria			1964.00	1364.00	22.73