



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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March 9, 2018

Patty Sinnamon
CAO
The Corporation of the Township of Chatsworth
R.R. #1
Chatsworth, Ontario
N0H 1G0

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

Ms. Sinnamon,

Attached is the 2017 Summary Report for the **Chatsworth Water Treatment Plant**. 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, 2017 to December 31, 2017.

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,

A handwritten signature in blue ink, appearing to read "Scott Craggs".

Scott Craggs
Senior Operations Manager
Highlands Hub
Ontario Clean Water Agency

SC/di

cc: Don Irvine, PCT



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

CHATSWORTH WATER TREATMENT

— Large Municipal Residential Drinking Water System

SCHEDULE 22 SUMMARY REPORT

For the period of:
JANUARY 1, 2017 TO DECEMBER 31, 2017

Prepared by the Ontario Clean Water Agency
For The Township of Chatsworth

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, 2017 to December 31, 2017 for the Chatsworth Water Treatment Plant, located in the Township of Chatsworth.

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 no issues of non-compliance for the inspection period of October 01, 2016 to July 20, 2017 – an inspection rating of 100% was received

The following tables list 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:

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
Please refer to the 2017 Section 11 Report					
There were no incidents during this reporting period					

ASSESSMENT OF THE QUANTITIES OF WATER SUPPLIED

The following table lists the quantities 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 specified in the system approval:

Summary of Raw Water Flows – Chatsworth Pumphouse

Chatsworth - Well # 1 & 2 combined

MDWL (Rated Capacity 763.0 m³/day)

MONTH	Avg. Daily Flow Volume m³	% Of Approved Volume	MAX Daily Flow Volume m³/d	% Of Approved Volume
JANUARY	111.45	14.61	214.00	28.05
FEBRUARY	107.96	14.15	202.00	26.47
MARCH	119.90	15.71	246.00	32.24
APRIL	113.00	14.81	246.00	32.24
MAY	121.29	15.90	261.00	34.21
JUNE	139.63	18.30	388.00	50.85
JULY	151.65	19.88	433.00	56.75
AUGUST	120.97	15.85	234.00	30.67
SEPTEMBER	126.93	16.64	215.00	28.18
OCTOBER	116.26	15.24	234.00	30.67
NOVEMBER	123.04	16.13	231.00	30.28
DECEMBER	126.39	16.57	301.00	39.45

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

APPENDIX A

Chatsworth Drinking Water System

Water taking permitted as per **PTTW # 3802-9L2JFM**

Flow & Flowrates for Well 1 & 2

Location:

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

Facility Flow Summary

Drinking-Water System Number: 210003011
 Drinking-Water System Name: CHATSWORTH DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Corporation/Company
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 241-102
 Period being reported: 01/2017 12/2017

Raw Water					
Raw Water (Source Name)		<i>Raw Water - Well 1</i>			
Source Type:		<i>Drilled</i>			
Drinking Water Permit to Take Water No:		<i>3802-9L2JFM</i>			
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	3205.00	103.39	214.00		6.92
Feb	18.00	0.64	6.00		
Mar	1471.00	47.45	212.00		6.57
Apr	217.00	7.23	136.00		6.49
May	3326.00	107.29	261.00		6.82
Jun	2620.00	87.33	387.00		8.22
Jul	1651.00	53.26	319.00		8.52
Aug	1356.00	43.74	234.00		7.90
Sep	692.00	23.07	214.00		8.12
Oct	3158.00	101.87	234.00		8.21
Nov	1310.08	43.67	231.00		7.89
Dec	1165.00	37.58	233.00		7.94
Total	20189.08	656.53	2681.00		83.60
Avg	1682.42	54.71	223.42		7.60
Max	3326.00	107.29	387.00		8.52
Criteria			818.21		9.48

Facility Flow Summary

Drinking-Water System Number 210003011

Drinking-Water System Name: CHATSWORTH DRINKING WATER SYSTEM

Drinking-Water System Owner: Title Holder: Corporation/Company

Drinking-Water System Categor Large Municipal Residential

Municipal Drinking Water Licen: 241-102

Period being reported: 01/2017 12/2017

Raw Water					
Raw Water (Source Name)		<i>Raw Water - Well 2</i>			
Source Type:		<i>Drilled</i>			
Drinking Water Permit to Take		<i>3802-9L2JFM</i>			
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	250.00	8.06	208.00		6.47
Feb	3005.00	107.32	202.00		6.63
Mar	2246.00	72.45	246.00		6.56
Apr	3173.00	105.77	235.00		6.68
May	434.00	14.00	193.00		6.78
Jun	1569.00	52.30	234.00		6.77
Jul	3050.00	98.39	242.00		8.30
Aug	2394.00	77.23	218.00		8.19
Sep	3116.00	103.87	206.00		8.35
Oct	446.00	14.39	138.00		8.05
Nov	2381.00	79.37	220.00		8.32
Dec	2753.00	88.81	301.00		8.35
Total	24817.00	821.94	2643.00		89.45
Avg	2068.08	68.50	220.25		7.45
Max	3173.00	107.32	301.00		8.35
Criteria			818.21		9.48