



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

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**February 17, 2017**

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 2016 Summary Report for the **Walter's Falls 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 31<sup>st</sup> 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,

A handwritten signature in blue ink, appearing to read "Scott Craggs", with a long horizontal flourish extending to the right.

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**

# **WALTER'S FALLS WATER TREATMENT**

Small Municipal Residential Drinking Water System

## **SCHEDULE 22 SUMMARY REPORT**

For the period of:  
JANUARY 1, 2016 TO DECEMBER 31, 2016

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, 2016 to December 31, 2016 for the Walter's Falls 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 June 12, 2015 to August 24, 2016 – an inspection rating of 97.47% 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:

<b>Drinking Water Legislation</b>	<b>Requirement(s) the system failed to meet</b>	<b>Duration</b>	<b>Corrective Action(s)</b>	<b>Status</b>
<b>Part V of SDWA</b>	All water quality monitoring requirements imposed by the Municipal Drinking Water Licence and/or Drinking Water Works Permit were not being met.	Nov 20, 2015 to Aug 24, 2016	By No later than December 15, 2016 the municipality shall: 1. Contact the UV manufacturer to provide correspondence indicating a deciphering breakdown of the original calibration/verification document provided. 2. Contact MOECC Approvals to provide direction as to what is acceptable for calibration and monthly checks based on the UV unit being used, and whether application can be made for alternative language in Schedule E, so that practical compliance options are available, as has been done with other municipal drinking water systems who brought this to Approvals attention during the draft stage of licence renewal. This may include proposing additional checks in lieu of checking reference sensors, which can be discussed with Approvals. 3. Provide a written plan to the Provincial Officer authoring this report to address the monthly UV reference checks and every three year Master Reference Assembly calibration. 4. Ensure the CT calculation posted within the pumphouse includes all calculations used in the CT process and reflects the log removal achieved for both UV and chlorination, and all calculations and page references/with explanation used in deriving the log removals being claimed to meet the requirements within Schedule E of the Licence. In addition, provide a copy of the entire CT calculation to the Provincial Officer authoring this report.	Completed Dec 8, 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 – Walter’s Falls Pumphouse**

#### **Walter’s Falls Treated - Well # 1 & 2 combined**

**MDWL (Rated Capacity 655.2 m<sup>3</sup>/day)**

<b>MONTH</b>	<b>Avg. Daily Volume m<sup>3</sup></b>	<b>% Of Approved Volume</b>	<b>MAX Daily Volume m<sup>3</sup>/d</b>	<b>% Of Approved Volume</b>
<b>JANUARY</b>	48.45	7.39	63.00	9.62
<b>FEBRUARY</b>	48.00	7.33	64.00	9.77
<b>MARCH</b>	44.65	6.81	89.00	13.58
<b>APRIL</b>	17.40	2.66	44.00	6.72
<b>MAY</b>	25.35	3.87	53.00	8.09
<b>JUNE</b>	26.67	4.07	56.00	8.55
<b>JULY</b>	32.74	5.00	51.00	7.78
<b>AUGUST</b>	34.87	5.32	47.00	7.17
<b>SEPTEMBER</b>	32.93	5.03	65.00	9.92
<b>OCTOBER</b>	27.48	4.19	40.00	6.11
<b>NOVEMBER</b>	23.50	3.59	39.00	5.95
<b>DECEMBER</b>	23.13	3.53	40.00	6.11

**\*Flow and Flowrates missing on October 31, 2016 due to a Wonderware software issue**

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

# APPENDIX A

## Walter's Falls Drinking Water System

Water taking permitted as per **PTTW # 2581-8C4JRW**

Flow & Flowrates for Well 1 & 2

Location:

RW – Raw Water – Well #1

RW – Raw Water – Well #2

# Facility Flow Summary

Drinking-Water System Number: 220007034  
 Drinking-Water System Name: WALTER'S FALLS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Corporation/Company  
 Drinking-Water System Category: Small Municipal Residential  
 Municipal Drinking Water License: 241-101  
 Period being reported: 01/2016 12/2016

Raw Water					
Raw Water (Source Name)		Raw Water - Well 1			
Source Type:		Drilled			
Drinking Water Permit to Take Water No:		2581-8C4JRW			
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	1286.00	41.48	63.00		6.58
Feb	574.00	19.79	64.00		6.60
Mar	1377.00	44.42	89.00		7.85
Apr	511.00	17.03	44.00		6.45
May	437.00	14.10	53.00		6.54
Jun	327.00	10.90	39.00		6.58
Jul	41.00	1.32	12.00		
Aug	1018.00	32.84	47.00		6.46
Sep	193.00	6.43	42.00		6.43
Oct	31.00	1.03	14.00		
Nov	355.00	11.83	30.00		6.49
Dec	706.00	22.77	40.00		6.55
<b>Total</b>	<b>6856.00</b>				
<b>Avg</b>		<b>18.66</b>			
<b>Max</b>			<b>89.00</b>		<b>7.85</b>
<b>Criteria</b>			<b>662.07</b>		<b>16.72</b>

# Facility Flow Summary

Drinking-Water System Number: 220007034  
 Drinking-Water System Name: WALTER'S FALLS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Corporation/Company  
 Drinking-Water System Category: Small Municipal Residential  
 Municipal Drinking Water License: 241-101  
 Period being reported: 01/2016 12/2016

Raw Water					
Raw Water (Source Name)		Raw Water - Well 2			
Source Type:		Drilled			
Drinking Water Permit to Take Water No:		2581-8C4JRW			
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	216.00	6.97	52.00		6.51
Feb	818.00	28.21	53.00		6.55
Mar	7.00	0.23	4.00		
Apr	11.00	0.37	11.00		
May	349.00	11.26	30.00		6.84
Jun	473.00	15.77	56.00		6.49
Jul	974.00	31.42	51.00		6.48
Aug	63.00	2.03	40.00		6.46
Sep	795.00	26.50	65.00		6.92
Oct	821.00	26.48	40.00		6.55
Nov	350.00	11.67	39.00		6.48
Dec	11.00	0.35	6.00		
<b>Total</b>	<b>4888.00</b>				
<b>Avg</b>		<b>13.44</b>			
<b>Max</b>			<b>65.00</b>		<b>6.92</b>
<b>Criteria</b>			<b>662.07</b>		<b>16.72</b>