



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

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February 1st, 2016

Mr. John Telfer
CAO/Clerk
Town of Shelburne
203 Main Street East, Box 69
Shelburne, Ontario
L0N 1S0

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

Dear Mr. Telfer;

Attached is the 2015 Summary Report for the **Shelburne 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, 2015 to December 31, 2015.

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 black ink, appearing to read 'Scott Craggs', with a long horizontal flourish extending to the right.

Scott Craggs
Operations Manager
West Highlands Hub
Ontario Clean Water Agency

SC/lb

cc: Lisa Benoit, PCT



**Ontario Clean Water Agency
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SHELBURNE WATER SUPPLY SYSTEM
Large Municipal Residential Drinking Water System

SCHEDULE 22

SUMMARY REPORT

For the period of

JANUARY 01, 2015 TO DECEMBER 31, 2015

**Prepared by the Ontario Clean Water Agency
For the Town of Shelburne**

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, 2015 to December 31, 2015 for the Shelburne Water Supply System, located in the Town of Shelburne.

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 8, 2014 to September 15, 2015 – an inspection rating of 100.0% was received.

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 - Shelburne

Well #1 Andrew St. Pumphouse

(Rated Capacity 2,261 m³/day)

MONTH	Avg. Daily Volume m ³	% Of Approved Volume	MAX Daily Volume m ³ /d	% Of Approved Volume
JANUARY	386.26	17.08	548.00	24.24
FEBRUARY	379.89	16.80	461.00	20.39
MARCH	405.81	17.95	566.00	25.03
APRIL	641.03	28.35	780.00	34.50
MAY	403.52	17.85	764.00	33.79
JUNE	338.57	14.97	738.00	32.60
JULY	402.94	17.82	600.00	26.54
AUGUST	402.94	17.82	575.00	25.43
SEPTEMBER	215.40	9.53	474.00	20.96
OCTOBER	405.68	17.94	762.00	33.70
NOVEMBER	346.33	15.32	473.00	20.92
DECEMBER	368.03	16.28	676.00	29.90

Well #1 Andrew St. Pumphouse

(Rated Daily Peak 30.3 L/s)

MONTH	Avg. Flow Rate L/s	% of Approved Flow Rate	Max Flow Rate L/s	% Of Approved Flow Rate
JANUARY	9.54	31.49	12.36	40.79
FEBRUARY	9.13	30.13	9.40	31.02
MARCH	8.22	27.13	8.43	27.82
APRIL	8.97	29.60	9.58	31.62
MAY	9.30	30.69	12.40	40.92
JUNE	7.03	23.20	9.03	29.80
JULY	8.91	29.41	9.39	30.99
AUGUST	8.57	28.28	8.78	28.98
SEPTEMBER	4.80	15.84	8.78	28.98
OCTOBER	8.31	27.43	8.46	27.92
NOVEMBER	8.26	27.26	8.36	27.59
DECEMBER	8.20	27.06	8.35	27.56

Well #3 Cedar St. Pumphouse

(Rated Capacity 1,309 m³/day)

MONTH	Avg. Flow Daily Volume m ³	% of Approved Volume	Max Daily Volume m ³	% Of Approved Volume
JANUARY	632.58	48.33	814.00	62.18
FEBRUARY	644.61	49.24	758.00	57.91
MARCH	685.45	52.36	940.00	71.81
APRIL	* 84.60	6.46	*740.00	56.53
MAY	673.10	51.42	1198.00	91.52
JUNE	762.33	58.24	1193.00	91.14
JULY	740.29	56.55	996.00	76.09
AUGUST	774.10	59.14	962.00	73.49
SEPTEMBER	816.10	62.35	1125.00	85.94
OCTOBER	713.90	54.54	1066.00	81.44
NOVEMBER	612.60	46.80	869.00	66.39
DECEMBER	658.10	50.28	1198.00	91.52

*The low average and max daily flow (m³) for April is due to well maintenance.

Well #3 Cedar St. Pumphouse

(Rated Daily Peak 15.2 L/s)

MONTH	Avg. Flow Rate L/s	% Of Approved Flow Rate	MAX Flow Rate L/s	% Of Approved Flow Rate
JANUARY	14.52	95.53	14.73	96.91
FEBRUARY	14.61	96.12	14.86	97.76
MARCH	13.97	91.91	14.66	96.45
APRIL	*3.30	21.71	*12.93	85.07
MAY	14.41	94.80	14.81	97.43
JUNE	14.24	93.68	14.50	95.39
JULY	14.42	94.87	14.51	95.46
AUGUST	14.39	94.67	14.51	95.46
SEPTEMBER	14.36	94.47	14.48	95.26
OCTOBER	14.38	94.61	14.53	95.59
NOVEMBER	14.40	94.74	14.51	95.46
DECEMBER	14.37	94.54	14.55	95.72

*The low average and max daily flow rate (l/s) for April is due to well maintenance.

Well #5 & 6 combined (Fourth Line Pumphouse)

(Rated Capacity 1,987m³/day)

MONTH	Avg. Flow Rate m ³	% Of Approved Flow Rate	MAX Daily Volume m ³ /d	% Of Approved Volume
JANUARY	730.58	36.77	1032.00	51.94
FEBRUARY	843.11	42.43	1041.00	52.39
MARCH	917.39	46.17	1221.00	61.45
APRIL	1335.53	67.21	1553.00	78.16
MAY	895.06	45.05	1429.00	71.92
JUNE	865.53	43.56	1271.00	63.97
JULY	901.00	45.34	1218.00	61.30
AUGUST	941.06	45.34	1145.00	57.62
SEPTEMBER	1052.80	52.98	1533.00	77.15
OCTOBER	875.39	44.06	1367.00	68.80
NOVEMBER	869.93	43.78	1249.00	62.86
DECEMBER	859.65	43.26	1508.00	75.89

Well #5 & 6 combined Fourth Line Pumphouse

(Rated Daily Peak 23 L/s)

MONTH	Avg. Flow Rate L/s	% Of Approved Flow Rate	MAX Flow Rate L/s	% Of Approved Flow Rate
JANUARY	18.26	79.39	18.85	81.96
FEBRUARY	18.31	79.61	18.71	81.35
MARCH	18.39	79.96	18.90	82.17
APRIL	17.57	76.39	19.10	83.04
MAY	16.80	73.04	19.01	82.65
JUNE	16.68	72.52	18.80	81.74
JULY	18.67	81.17	19.23	83.61
AUGUST	18.53	80.57	19.85	86.30
SEPTEMBER	17.65	76.74	19.05	82.83
OCTOBER	18.24	79.30	19.60	85.22
NOVEMBER	18.50	80.43	18.90	82.17
DECEMBER	18.84	81.91	19.75	85.87

*The average and peak flow rates for all wells will not be included in the 2016 Summary Report as they are no longer a requirement of the Municipal Drinking Water Licence.