



March 3th, 2014

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 2013 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, 2013 to December 31, 2013.

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.

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 "R. Laliberte".

Richard Laliberte
Senior Operations Manager
West Highlands Hub
Ontario Clean Water Agency

RL/lb

cc: Lisa Benoit, PCT



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

SHELBURNE WATER SUPPLY SYSTEM
Large Municipal Residential Drinking Water System

SCHEDULE 22
SUMMARY REPORT

For the period of

JANUARY 01, 2013 TO DECEMBER 31, 2013

**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, 2013 to December 31, 2013 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

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
Safe Drinking Water Act - Part V	The owner was not in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Permit and Licence or Approval Issued under Part V of the SDWA.	August 14, 2013 August 15, 2013 October 20, 2013 December 7, 2013 December 9, 2013	1.) By no later than March 31, 2014, the owner / OA is to have the PRV at the well 3 pumphouse either repaired / replaced, in order to prevent any further long-term flow rate exceedances from occurring. 2.) By no later than March 31, 2014, the owner / OA is to provide documentation to Environmental Officer Rick Neubrand at the Guelph District of the Ministry of the Environment, of; - the repair / replacement of the PRV at PH3 (in writing) and - SCADA output data that confirms the operation of this PH within permitted flow limits.	In Progress
Provincial Officer's Order	There were no Provincial Officers Orders during this reporting period.			

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	415.08	18.36	628.00	27.75
FEBRUARY	460.57	20.37	583.00	25.79
MARCH	441.45	19.52	594.00	26.27
APRIL	400.90	17.73	555.00	24.55
MAY	432.10	19.11	591.00	26.14
JUNE	431.37	19.08	675.00	29.85
JULY	387.48	17.14	903.00	39.94
AUGUST	514.36	22.75	786.00	34.76
SEPTEMBER	432.03	19.11	641.00	28.35
OCTOBER	477.65	21.13	1030.00	45.56
NOVEMBER	139.87	6.19	569.00	25.17
DECEMBER	164.39	7.27	520.00	23.00

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	12.57	41.49	15.58	51.42
FEBRUARY	13.32	43.96	15.59	51.45
MARCH	12.93	42.67	13.18	43.50
APRIL	13.09	43.20	13.34	44.03
MAY	13.35	44.06	15.59	51.45
JUNE	11.67	38.51	15.58	51.42
JULY	11.51	37.99	13.06	43.10
AUGUST	12.63	41.68	12.90	42.57
SEPTEMBER	12.60	41.58	12.89	42.54
OCTOBER	12.53	41.35	15.59	51.45
NOVEMBER	6.87	22.67	13.39	44.19
DECEMBER	8.20	27.06	13.25	43.73

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	464.32	35.47	766.00	58.52
FEBRUARY	456.61	34.88	640.00	48.89
MARCH	429.55	32.82	588.00	44.92
APRIL	421.90	32.23	559.00	42.70
MAY	431.74	32.98	653.00	49.89
JUNE	512.80	39.17	709.00	54.16
JULY	498.71	38.10	1067.00	81.51
AUGUST	445.13	34.01	605.00	46.22
SEPTEMBER	441.73	33.75	717.00	54.77
OCTOBER	439.07	33.54	831.00	63.48
NOVEMBER	531.67	40.62	914.00	69.82
DECEMBER	560.03	42.78	797.00	60.89

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	13.89	91.38	15.28	100.52
FEBRUARY	13.79	90.72	14.85	97.60
MARCH	13.88	91.32	15.14	99.60
APRIL	13.65	89.80	15.01	98.75
MAY	13.83	90.99	15.06	99.08
JUNE	13.65	89.80	20.76	136.58
JULY	13.17	86.64	14.24	93.68
AUGUST	12.18	80.13	18.14	119.34
SEPTEMBER	12.95	85.20	14.68	96.57
OCTOBER	12.58	82.76	19.89	130.86
NOVEMBER	12.93	85.07	14.93	98.22
DECEMBER	14.03	92.30	19.31	127.04

- All flow exceedances above 15.2 L/s during the reporting period are due to pump start ups or maintenance.

Well #5 & 6 combined (Fourth Line Pumphouse)

(Rated Capacity 1,987m³/day)

MONTH	Avg. Flow Rate m³	% Of Approved Flow Rate	MAX Daily Volume m³/d	% Of Approved Volume
JANUARY	641.87	32.30	907.00	45.65
FEBRUARY	607.50	30.57	727.00	36.59
MARCH	638.55	32.14	759.00	38.20
APRIL	661.67	33.30	872.00	43.89
MAY	752.84	37.89	1197.00	60.24
JUNE	754.87	37.99	1195.00	60.14
JULY	840.61	42.31	1307.00	65.78
AUGUST	758.90	38.19	1025.00	51.59
SEPTEMBER	697.07	35.08	1052.00	52.94
OCTOBER	735.23	37.00	1366.00	68.75
NOVEMBER	912.17	45.91	1346.00	67.74
DECEMBER	917.00	46.15	1188.00	59.79

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	16.93	73.61	17.95	78.04
FEBRUARY	17.35	75.43	18.20	79.13
MARCH	17.63	76.65	18.27	79.43
APRIL	17.53	76.22	18.40	80.00
MAY	17.78	77.30	18.20	79.13
JUNE	17.82	77.48	18.30	79.57
JULY	17.94	78.00	18.20	79.13
AUGUST	18.00	78.26	18.27	79.43
SEPTEMBER	18.01	78.30	18.33	79.70
OCTOBER	18.06	78.52	18.50	80.43
NOVEMBER	17.43	75.78	18.48	80.35
DECEMBER	17.90	77.83	18.33	79.70