



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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March 13, 2019

Denyse Morrissey
CAO
Town of Shelburne
203 Main Street East, Box 69
Shelburne, Ontario
L9V 3K7

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

Ms. Morrissey

Attached is the 2018 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, 2018 to December 31, 2018.

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 "Don Irvine", with a long horizontal stroke extending to the right.

Don Irvine
Senior Operations Manager
Highlands Hub
Ontario Clean Water Agency

DI/mc

cc: Melissa Cortes, 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, 2018 TO DECEMBER 31, 2018

**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, 2018 to December 31, 2018 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 December 04, 2017 to November 15, 2018 – an inspection rating of 100.0% was received.

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 2018 Section 11 Report					

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

MDWL (Rated Capacity 2,261 m³/day)

MONTH	Avg. Daily Flow Volume m ³	% Of Approved Volume	MAX Daily Flow Volume m ³ /d	% Of Approved Volume
JANUARY	140.87	6.23	590.00	26.09
FEBRUARY	252.50	11.17	498.00	22.03
MARCH	197.23	8.72	294.00	13.00
APRIL	168.73	7.46	305.00	13.49
MAY	148.84	6.58	354.00	15.66
JUNE	135.36	5.99	254.00	11.23
JULY	153.77	6.80	276.00	12.21
AUGUST	174.71	7.73	373.00	16.50
SEPTEMBER	159.93	7.07	364.00	16.10
OCTOBER	97.75	4.32	188.00	8.31
NOVEMBER	134.90	5.97	243.00	10.75
DECEMBER	115.77	5.12	190.00	8.40

Well #3 Cedar St. Pumphouse

MDWL (Rated Capacity 1,309 m³/day)

MONTH	Avg. Daily Flow Volume m ³	% of Approved Volume	MAX Daily Flow Volume m ³ /d	% Of Approved Volume
JANUARY	562.35	42.96	1085.00	82.89
FEBRUARY	361.75	27.64	843.00	64.40
MARCH	361.77	27.64	693.00	52.94
APRIL	306.53	23.42	611.00	46.68
MAY	364.23	27.82	956.00	73.03
JUNE	445.93	34.07	774.00	59.13
JULY	245.74	18.77	734.00	56.07
AUGUST	260.00	19.86	808.00	61.73
SEPTEMBER	304.77	23.28	876.00	66.92
OCTOBER	595.65	45.50	997.00	76.17
NOVEMBER	245.87	18.78	377.00	28.80
DECEMBER	269.58	20.59	641.00	48.97

Well #5 & 6 combined (Fourth Line Pumphouse)**MDWL (Rated Capacity 1,987m³/day)**

MONTH	Avg. Daily Flow Volume m³	% Of Approved Flow Rate	MAX Daily Flow Volume m³/d	% Of Approved Volume
JANUARY	480.32	24.17	1316.00	66.23
FEBRUARY	502.14	25.27	1256.00	63.21
MARCH	527.29	26.54	1198.00	60.29
APRIL	523.87	26.36	1241.00	62.46
MAY	637.74	32.10	1595.00	80.27
JUNE	658.53	33.14	1661.00	83.59
JULY	751.32	37.81	1748.00	87.97
AUGUST	546.35	27.50	1576.00	79.32
SEPTEMBER	601.87	30.29	1258.00	63.31
OCTOBER	544.43	27.40	1224.00	61.60
NOVEMBER	581.47	29.26	1377.00	69.30
DECEMBER	617.13	31.06	1402.00	70.56

Well #7 & 8 combined (Second Line SW Pumphouse)**MDWL (Rated Capacity 1,635m³/day)**

MONTH	Avg. Daily Flow Volume m³	% Of Approved Flow Rate	MAX Daily Flow Volume m³/d	% Of Approved Volume
JANUARY	703.77	43.04	1741.00	106.48
FEBRUARY	809.14	49.49	2067.00	126.42
MARCH	765.87	46.84	1622.00	99.20
APRIL	831.20	50.84	2229.00	136.33
MAY	933.00	57.06	2520.00	154.13
JUNE	943.77	57.72	2361.00	144.40
JULY	1059.55	64.80	2461.00	150.52
AUGUST	1009.16	61.72	2678.00	163.79
SEPTEMBER	885.67	54.17	1803.00	110.28
OCTOBER	819.53	50.12	1746.00	106.79
NOVEMBER	831.97	50.88	1946.00	119.02
DECEMBER	868.94	53.15	1928.00	117.92