



The Corporation of the Township of  
Guelph/Eramosa

## **ROCKWOOD WATER SUPPLY SYSTEM**

### **Large Municipal Residential Drinking Water System**

#### **SCHEDULE 22**

#### **REVISED**

#### **SUMMARY REPORT**

**For the period of**

JANUARY 01, 2010 TO DECEMBER 31, 2010

**PREPARED BY THE TOWNSHIP OF GUELPH/ERAMOSA**

MARCH 31, 2011

**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, 2010 to December 31, 2010 for the Rockwood Water Supply System, located in the Township of Guelph/Eramosa.

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:

<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>System Certificate of Approval # 8555-7W4SDP Revised Nov. 30/09</b>	A bulk water filling station (with flow meter) at the Bernardi Pumphouse was not listed in the C of A.  A particle counter at the Station Street Pumphouse was not listed in the C of A.  .	November 2009 to Dec. 24, 2010	Bulk water filling station at Bernardi is valved off and no longer in use.  Particle counter is not a requirement of the treatment or monitoring process.	Received Drinking Water License (DWL) / Drinking Water Works Permit (DWWP).  December 24, 2010
<b>O.Reg 170/03</b>	In reviewing the DWIS profile, it was found that newer UV equipment was not listed as being the primary source of disinfection. Contact numbers for the alternate operator were also inaccurate.	May 2005	During the course of the inspection, the Operating Authority updated the DWIS profiles.	Completed in December 2010
<b>Safe Drinking Water Act</b>	The requirements of the Safe Drinking Water Act were met during this reporting period.			
<b>Provincial Officer’s Order</b>	No Provincial Officer orders were issued during this 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 - Station Street Pumphouse**

Well TW# 1- 67 (Rated Capacity 1,964 m<sup>3</sup>/day) (Rated Daily Peak 1,360 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	315.40	16.06	1080.00	54.99	1080.00	79.30
FEBRUARY	194.20	9.89	746.90	38.03	1080.00	79.30
MARCH	128.98	6.57	884.70	45.05	1080.00	79.30
APRIL	232.01	11.81	975.80	49.68	1080.00	79.30
MAY	290.32	14.78	1049.90	53.46	1080.00	79.30
JUNE	328.12	16.71	1176.40	59.90	1080.00	79.30
JULY	303.94	15.48	987.70	50.29	1080.00	79.30
AUGUST	410.83	20.92	1153.40	58.73	1080.00	79.30
SEPTEMBER	342.75	17.45	1068.50	54.40	1080.00	79.30
OCTOBER	240.74	12.26	717.90	36.55	1080.00	79.30
NOVEMBER	251.06	12.78	998.30	50.83	1080.00	79.30
DECEMBER	272.14	13.86	822.80	41.89	1080.00	79.30

**Summary of Raw Water Flows - Station Street Pumphouse**

Well TW# 1- 76 (Rated Capacity 1,964 m<sup>3</sup>/day) (Rated Daily Peak 1,360 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	175.46	8.93	501.70	25.54	1080.00	79.30
FEBRUARY	218.80	11.14	727.00	37.02	1080.00	79.30
MARCH	255.89	13.03	806.30	41.05	1080.00	79.30
APRIL	212.27	10.81	859.00	43.74	1080.00	79.30
MAY	390.95	19.91	1147.50	58.43	1080.00	79.30
JUNE	305.50	15.56	848.50	43.20	1080.00	79.30
JULY	384.39	19.57	1025.80	52.23	1080.00	79.30
AUGUST	383.10	19.51	1156.80	58.90	1080.00	79.30
SEPTEMBER	347.36	17.69	947.10	48.22	1080.00	79.30
OCTOBER	236.55	12.04	541.50	27.57	1080.00	79.30
NOVEMBER	262.06	13.34	679.90	34.62	1080.00	79.30
DECEMBER	431.07	21.95	1098.50	55.93	1080.00	79.30

## Summary of Raw Water Flows – Bernardi Pumphouse

Well # 3 (Rated Capacity 1,310 m<sup>3</sup>/day) (Rated Daily Peak 910.0 L/min)

<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>Peak Flow Rate L/min</b>	<b>% Of Approved Flow Rate</b>
<b>JANUARY</b>	361.53	27.60	679.00	51.83	750.00	82.78
<b>FEBRUARY</b>	415.71	31.73	840.80	64.18	750.00	82.78
<b>MARCH</b>	446.52	34.09	1002.20	76.50	750.00	82.78
<b>APRIL</b>	507.76	38.76	1043.40	79.65	750.00	82.78
<b>MAY</b>	443.17	33.83	1039.90	79.38	750.00	82.78
<b>JUNE</b>	367.61	28.06	984.00	75.11	750.00	82.78
<b>JULY</b>	412.59	31.50	982.30	74.98	750.00	82.78
<b>AUGUST</b>	349.31	26.66	975.20	74.44	750.00	82.78
<b>SEPTEMBER</b>	430.18	32.84	956.30	73.00	750.00	82.78
<b>OCTOBER</b>	437.57	33.40	962.40	73.47	750.00	82.78
<b>NOVEMBER</b>	376.56	28.75	964.70	73.64	750.00	82.78
<b>DECEMBER</b>	365.44	27.90	975.60	74.47	750.00	82.78