



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

**ROCKWOOD WATER SUPPLY SYSTEM  
Large Municipal Residential Drinking Water System**

**SCHEDULE 22  
SUMMARY REPORT**

**For the period of**

**JANUARY 01, 2008 TO DECEMBER 31, 2008**

**Prepared by the Ontario Clean Water Agency  
Revised by the Township of Guelph/Eramosa**

**March 31, 2009**

## 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, 2008 to December 31, 2008 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 # 4285-7NBSVM</b>	Equipment installed does not meet C of A equipment ratings.	2008 and earlier	Amendments to the C of A and/or Licensing of the new DWWP will indicate the correct equipment ratings actually in use for this site.	Pending
	One well within Station St. is identified in the C of A as both TW#1-76 and TW#2-76. The actual well name is TW#1-76	2008 and earlier	Amendment to the C of A and/or DWWP will rectify the situation.	Pending
	Flow measuring devices were not calibrated or verified within C of A requirements.	September 28, 2006 and March 01, 2008.	Attempt was made between these two dates but due to equipment issues was not undertaken at the time.	Completed
	Sodium Silicate in use at Station Street Pump House was not from an NSF approved re-packager.	Prior to Feb. 9, 2009	Provided NSF certified packaging.	Completed

O.Reg 170/03	The five year and 36 month sampling requirements for Schedule 13; Sections 13-2, 13-4 (organics & in-organics), 13-8 & Section 13-9 (sodium and fluoride) were missed.	No later than April 7, 2008 but sampled July 15, 2008. More than 60 days after the 36 month anniversary of last samples taken.  September 2008 for Sodium and Fluoride	As soon as OCWA became aware of the missing sampling requirements the Township of Guelph Eramosa was contacted to inform them that they would need to conduct the required sampling.	Completed
Safe Drinking Water Act	Reg. 128/04, s. 15. Operator certificates were not conspicuously displayed at premises from which the subsystem is managed. Two were missing.	Within weeks of hiring new operators, Licenses were posted.	As soon as noted situation was rectified	Completed

Provincial Officer's Order	There were no Provincial Officer's Orders issued during this reporting period.
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**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 Pumpouse**

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	352.84	17.97	763.00	38.85	1110.0	81.62
FEBRUARY	261.93	13.34	746.00	37.98	1110.0	81.62
MARCH	189.52	9.65	460.00	23.42	1110.0	81.62
APRIL	185.07	9.42	705.00	35.90	1110.0	81.62
MAY	251.03	12.78	1211.00	61.66	1110.0	81.62
JUNE	348.57	17.75	869.00	44.25	1110.0	81.62
JULY	252.61	12.86	924.00	47.05	1110.0	81.62
AUGUST	323.81	16.49	855.00	43.53	1110.0	81.62
SEPTEMBER	303.80	15.47	636.00	32.38	1110.0	81.62
OCTOBER	227.61	11.59	687.00	34.98	1110.0	81.62
NOVEMBER	427.17	21.75	856.00	43.58	1110.0	81.62
DECEMBER	301.81	15.37	843.00	42.92	1110.0	81.62

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	68.00	3.46	561.00	28.56	1110.0	81.62
FEBRUARY	151.86	7.73	495.00	25.20	1110.0	81.62
MARCH	174.39	8.88	323.00	16.45	1110.0	81.62
APRIL	284.90	14.51	1006.00	51.22	1110.0	81.62
MAY	371.52	18.92	845.00	43.02	1110.0	81.62
JUNE	296.97	15.12	1047.00	53.31	1110.0	81.62
JULY	326.94	16.65	1000.00	50.92	1110.0	81.62
AUGUST	265.45	13.52	1003.00	51.07	1110.0	81.62
SEPTEMBER	270.07	13.75	844.00	42.97	1110.0	81.62
OCTOBER	216.42	11.02	831.00	42.31	1110.0	81.62
NOVEMBER	10.60	0.54	191.00	9.73	1110.0	81.62
DECEMBER	165.42	8.42	689.00	35.08	1110.0	81.62

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)

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	422.52	32.25	643.10	49.09	810.0	89.01
FEBRUARY	418.40	31.94	664.60	50.73	810.0	89.01
MARCH	466.13	35.58	910.00	69.47	810.0	89.01
APRIL	451.94	34.50	1675.20	127.88	810.0	89.01
MAY	398.71	30.44	909.30	69.41	810.0	89.01
JUNE	387.62	29.59	869.70	66.39	810.0	89.01
JULY	448.92	34.27	1236.40	94.38	810.0	89.01
AUGUST	341.52	26.07	847.90	64.73	810.0	89.01
SEPTEMBER	355.54	27.14	781.70	59.67	810.0	89.01
OCTOBER	421.16	32.15	712.10	54.36	810.0	89.01
NOVEMBER	401.89	30.68	675.60	51.57	810.0	89.01
DECEMBER	417.01	31.83	1062.00	81.07	810.0	89.01