



**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, 2006 TO DECEMBER 31, 2006

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

March 28, 2007

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, 2006 to December 31, 2006 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:

Drinking Water Legislation	Requirement(s) the system failed to meet	Duration	Corrective Action(s)	Status
<p>System Certificate of Approval # 8149-6QPNPG</p>	<p>The equipment was not installed in accordance with the Certificate of Approval. At Station Street pumphouse the sodium hypochlorite solution tanks were not in the "new chemical storage area" as identified in the CofA and the site floor plan. The sodium hypochlorite is located in the older part of the pumphouse where the sodium silicate was stored.</p>	<p>May 31, 2006 – August 15, 2006</p>	<p>OCWA contacted the consultant for the Township and the consultant's submitted a request for an administrative amendment to the CofA to correctly reflect the equipment installed at the Station Street Pumphouse.</p>	<p>Completed, Amended CofA issued August 15, 2006</p>

O.Reg 170/03	Samples were not collected in accordance with Schedule 13; Section 13-2, 13-3 and 13-4 during the reporting period.	<p><u>Section 13-2:</u> Station Street (Wells TW#1-67 and TW#2-76) July 2005 - January 2007</p> <p><u>Section 13-3:</u> Distribution System July 2005 - January 2007</p> <p><u>Section 13-4:</u> Station Street (Wells TW#1-67 and TW#2-76) July 2005 - January 2007</p>	Once OCWA became aware that the samples were missed, immediate action was taken to collect the required samples and ship them to the laboratory for analysis on January 10 & 25, 2007. A notice of Non-Compliance was sent out February 5 th 2007 to the Ministry of the Environment and the Township of Guelph/Eramosa.	Completed Sampled January 10, 2007
Safe Drinking Water Act	The requirements of the Safe Drinking Water Act, not including O.Reg 170/03 non-compliance mentioned above, were met during this reporting period.			
Provincial Officer's Order	There were no Provincial Officer's Orders issued 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 - Station Street Pumphouse

Well TW# 1- 67 (Rated Capacity 1,964 m³/day) (Rated Daily Peak 1,360 L/min)

MONTH	Avg. Daily Volume m ³	% Of Approved Volume	MAX Daily Volume m ³ /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	179.07	9.12	313.0	15.94	1152.0	84.71
FEBRUARY	167.44	8.53	389.0	19.81	1152.0	84.71
MARCH	176.13	8.97	431.0	21.95	1152.0	84.71
APRIL	194.36	9.9	520.0	26.48	1152.0	84.71
MAY	303.27	15.44	673.0	34.27	1152.0	84.71
JUNE	332.41	16.93	873.0	44.45	1152.0	84.71
JULY	181.69	9.25	674.0	34.32	1110.0	81.62
AUGUST	319.26	16.26	848.0	43.18	1050.0	77.21
SEPTEMBER	234.71	11.95	499.0	25.41	1110.0	81.62
OCTOBER	230.63	11.74	514.0	26.17	1110.0	81.62
NOVEMBER	251.28	12.79	974.0	49.59	1110.0	81.62
DECEMBER	227.29	11.57	792.0	40.33	1110.0	81.62

Well TW# 2- 76 (Rated Capacity 1,964 m³/day) (Rated Daily Peak 1,360 L/min)

MONTH	Avg. Daily Volume m ³	% Of Approved Volume	MAX Daily Volume m ³ /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	169.25	8.62	380.0	19.35	1152.0	84.71
FEBRUARY	217.24	11.06	364.0	18.53	1152.0	84.71
MARCH	163.39	8.32	343.0	17.46	1152.0	84.71
APRIL	165.19	8.41	406.0	20.67	1152.0	84.71
MAY	226.52	11.53	590.0	30.04	1152.0	84.71
JUNE	268.11	13.65	709.0	36.1	1152.0	84.71
JULY	378.0	19.25	1658.0	84.42	1110.0	81.62
AUGUST	193.0	9.83	804.0	40.94	1050.0	77.21
SEPTEMBER	253.48	12.91	570.0	29.02	1110.0	81.62
OCTOBER	205.03	10.44	693.0	35.29	1110.0	81.62
NOVEMBER	215.04	10.95	457.0	23.27	1110.0	81.62
DECEMBER	201.41	10.26	455.0	23.17	1110.0	81.62

Summary of Raw Water Flows – Bernardi Pumphouse

Well # 3 (Rated Capacity 1,310 m³/day) (Rated Daily Peak 910.0 L/min)

MONTH	Avg. Daily Volume m ³	% Of Approved Volume	MAX Daily Volume m ³ /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	451.82	34.49	807.7	61.66	810	89.01
FEBRUARY	451.48	34.46	723.0	55.19	810	89.01
MARCH	470.6	35.92	1053.5	80.42	810	89.01
APRIL	470.13	35.89	672.9	51.37	810	89.01
MAY	492.85	37.62	870.1	66.42	810	89.01
JUNE	523.79	39.98	818.0	62.44	810	89.01
JULY	609.26	46.51	1133.3	86.51	810	89.01
AUGUST	544.59	41.57	950.4	72.55	810	89.01
SEPTEMBER	406.31	31.02	755.0	57.63	810	89.01
OCTOBER	421.99	32.21	879.7	67.15	810	89.01
NOVEMBER	412.41	31.48	863.4	65.91	810	89.01
DECEMBER	427.67	32.65	732.4	55.92	810	89.01