



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, 2009 TO DECEMBER 31, 2009

PREPARED BY THE TOWNSHIP OF GUELPH/ERAMOSA

MARCH 31, 2010

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, 2009 to December 31, 2009 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
System Certificate of Approval # 8555-7W4SDP	Ratings of installed equipment do not match listed ratings in CofA 4285-7NBSVM.	November 2009 and earlier	Amend CofA to indicate the installed equipment ratings in use for this site.	Completed November 30, 2009
	One well within Station St. is identified in the C ofA as both TW#1-76 and TW#2-76. The actual well name is TW#1-76	November 2009 and earlier	Amendment to the C ofA corrected the issue	Completed November 30, 2009
O.Reg 128/04 Certification of Drinking Water System Operators and Water Quality Analysts	The Operator in Charge did not ensure that records were maintained within the site log books of all entry and exits times from pump houses and adjustments made to the on-line analyzer alarm set points On July 20 th , 2009 operator responded to a continuous analyzer alarm but failed to document details of response in logbook.	2009	Immediately begin recording on-line analyzer alarm set point changes in log books as well as entry and exit times from pump houses. Ensure operators take greater care in recording notes	Ongoing. The water/wastewater division is developing an audit process to ensure documentation compliance.

O.Reg 170/03	The requirements of Ontario Regulation 170/03 were met during this reporting period.
Safe Drinking Water Act	The requirements of the Safe Drinking Water Act were met during this reporting period.
Provincial Officer's Order	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 m³/day)** **(Rated Daily Peak 1,360 L/min)**

MONTH	Avg. Daily Volume m³	% Of Approved Volume	MAX Daily Volume m³/d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	290.85	14.81	745.00	37.93	990.00	72.69
FEBRUARY	219.25	11.16	845.00	43.02	990.00	72.69
MARCH	334.27	17.02	769.00	39.15	990.00	72.69
APRIL	264.04	13.44	859.00	43.74	990.00	72.69
MAY	348.80	17.76	1146.00	58.35	990.00	72.69
JUNE	391.60	19.94	1003.00	51.07	990.00	72.69
JULY	301.32	15.34	1284.00	65.38	990.00	72.69
AUGUST	219.09	11.16	982.00	50.00	990.00	72.69
SEPTEMBER	318.23	16.20	940.00	47.86	990.00	72.69
OCTOBER	210.70	10.73	924.00	47.05	990.00	72.69
NOVEMBER	352.70	17.96	905.00	46.08	990.00	72.69
DECEMBER	478.39	24.36	985.00	50.15	990.00	72.69

Summary of Raw Water Flows - Station Street Pumphouse

Well TW# 1- 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	287.00	14.61	624.00	31.77	990.00	72.69
FEBRUARY	230.48	11.74	522.00	26.58	990.00	72.69
MARCH	296.13	15.08	784.00	39.92	990.00	72.69
APRIL	329.52	16.78	649.00	33.04	990.00	72.69
MAY	336.33	17.12	909.00	46.28	990.00	72.69
JUNE	328.77	16.74	1017.00	51.78	990.00	72.69
JULY	303.61	15.46	1183.00	60.23	990.00	72.69
AUGUST	276.39	14.07	1111.00	56.57	990.00	72.69
SEPTEMBER	270.57	13.78	792.00	40.33	990.00	72.69
OCTOBER	186.70	9.51	866.00	44.09	990.00	72.69
NOVEMBER	21.57	1.10	355.00	18.08	990.00	72.69
DECEMBER	13.36	0.68	392.00	19.96	990.00	72.69

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	401.11	30.62	901.60	68.82	750.00	82.78
FEBRUARY	445.65	34.02	715.90	54.65	750.00	82.78
MARCH	334.59	25.54	770.40	58.81	750.00	82.78
APRIL	389.90	29.76	802.90	61.29	750.00	82.78
MAY	403.43	30.80	1134.40	86.60	750.00	82.78
JUNE	367.45	28.05	846.80	64.64	750.00	82.78
JULY	443.88	33.88	1258.30	96.05	750.00	82.78
AUGUST	481.45	36.75	1029.30	78.57	750.00	82.78
SEPTEMBER	445.83	34.03	1036.00	79.08	750.00	82.78
OCTOBER	545.13	41.61	999.80	76.32	750.00	82.78
NOVEMBER	517.35	39.49	996.00	76.03	750.00	82.78
DECEMBER	430.68	32.88	1208.40	92.24	750.00	82.78