



The Corporation of the Township of  
Guelph/Eramosa

# **HAMILTON DRIVE SUPPLY SYSTEM**

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

### **SCHEDULE 22**

### **SUMMARY REPORT**

**For the period of**

**JANUARY 01, 2009 TO DECEMBER 31, 2009**

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

**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 Hamilton Drive 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 # 4008-7VZQER</b>	Ratings of installed equipment do not meet listed ratings in CofA 7858-5S4H4M.	November 2009 and earlier	Amend CofA to indicate the installed equipment ratings in use for this site.	Completed November 30, 2009
	Cross Creek raw flow meter and SCADA failed to record daily maximum flow rate of water conveyed into the treatment system as required under section 5.1 i) of the CofA	2009	By no later than March 31, 2010, have the Cross Creek raw water flow meter and SCADA system communication error fixed so that flow data is being recorded as per section 5.1 of the site's C of A. Report in writing; the steps taken to comply with this requirement to the Drinking Water Inspector at the Ministry of Environment.	SCADA system up-grade completed November 3 <sup>rd</sup> , 2009. The analog transmitter for flow meter was ordered January 29 <sup>th</sup> , 2010 awaiting delivery for installation. Status ongoing
<b>O.Reg 170/03</b>	The requirements of Ontario Regulation 170/03 were met during this reporting period.			
<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 - Cross Creek**

Well # 1	(Rated Capacity 812 m <sup>3</sup> /19 hours)			Rated Daily Peak 725 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	77.04	9.49	157.20	19.36	420	74.63
FEBRUARY	80.80	9.95	158.00	19.46	420	74.63
MARCH	79.47	9.79	178.20	21.95	420	74.63
APRIL	93.95	11.57	251.80	31.01	420	74.63
MAY	104.59	12.88	292.30	36.00	420	74.63
JUNE	103.51	12.75	223.40	27.51	420	74.63
JULY	108.76	13.39	245.60	30.25	420	74.63
AUGUST	91.54	11.27	278.30	34.27	420	74.63
SEPTEMBER	119.38	14.70	253.90	31.27	420	74.63
OCTOBER	77.07	9.49	218.00	26.85	420	74.63
NOVEMBER	71.24	8.77	145.20	17.88	420	74.63
DECEMBER	73.27	9.02	145.10	17.87	420	74.63

### **Summary of Raw Water Flows – Huntington**

Well # 2	(Rated Capacity 916 m <sup>3</sup> /day)			(Rated Daily Peak 452 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	82.54	9.01	198.60	21.68	420	93.33
FEBRUARY	84.10	9.18	218.00	23.80	420	93.33
MARCH	72.99	7.97	190.20	20.76	420	93.33
APRIL	65.41	7.14	222.80	24.32	420	93.33
MAY	95.85	10.46	286.50	31.28	420	93.33
JUNE	125.53	13.70	364.00	39.74	420	93.33
JULY	108.59	11.86	281.90	30.78	420	93.33
AUGUST	108.97	11.90	313.20	34.19	420	93.33
SEPTEMBER	119.07	13.00	247.10	26.98	420	93.33
OCTOBER	80.27	8.76	214.50	23.42	420	93.33
NOVEMBER	70.02	7.64	138.80	15.15	420	93.33
DECEMBER	73.33	8.01	125.90	13.74	420	93.33