



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, 2010 TO DECEMBER 31, 2010

PREPARED BY THE TOWNSHIP OF GUELPH/ERAMOSIA

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 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:

Drinking Water Legislation	Requirement(s) the system failed to meet	Duration	Corrective Action(s)	Status
System Certificate of Approval # 4008-7VZQER	The water tower (standpipe) was not listed in the C of A. A distribution system chlorine residual analyzer (found in the control room at the water tower) was not listed in the C of A.	2009	Water tower (Standpipe) and the online chlorine analyzer are listed within the new DWWP	Received Drinking Water License (DWL) / Drinking Water Works Permit (DWWP). December 24, 2010
	The sodium hypochlorite chemical feed automatic switchover system at the Cross Creek P.S. was not functioning properly.	Dec. 3, 2010	The chemical feed system, requires a part replacement (controller) and will be repaired shortly.	Pending; Controller on order from supplier.
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 - Cross Creek

Well # 1 (Rated Capacity 812 m³/19 hours) Rated Daily Peak 725 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	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 m³/day) (Rated Daily Peak 452 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	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