SUMMARY REPORTS FOR MUNICIPALITIES

Report

This report is a summary of water quality information for the Keene Heights Subdivision Drinking Water System published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1, 2010 to December 31, 2010. The Keene Heights Subdivision Drinking Water System is categorized as a Small Municipal Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Township of Otonabee-South Monaghan.

Who gets a copy of the Report:

- in the case of a drinking-water system owned by a municipality, the members of the municipal council;
- in the case of a drinking-water system owned by a municipal service board established under section 195 of the *Municipal Act, 2001*, the members of the municipal service board; or
- in the case of a drinking-water system owned by a corporation, the board of directors of the corporation.

What must the Report contain?

The report must,

(a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and

(b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.

The following table lists the requirements that the system failed to meet and the measures taken to correct the failure:

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
Safe Drinking Water Act	NONE			
Ontario Regulations (eg. O. Reg. 170/03, O. Reg. 128/04, O. Reg. 903)	NONE			
System Certificate of Approval No. 3048-6XWRTZ & 0031-84GKM9	NONE			
System Municipal Drinking Water Licence No. 252-101	NONE			

System Drinking Water Works Permit No. 252-201	NONE			
System Permit to Take Water No. 8074-6WDRK8	NONE			
Provincial Officer's Order No.	NONE			

What else must the Report contain?

The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence.

Keene Heights Subdivision Drinking Water System – Well #4 Raw Water - 2010 Flow Data				
Month	Total Flow (m^3/month)	Average Monthly Flow (m^3/month)	Max. Daily Flow (L/sec)	C of A Max. Design Capacity Flow Rate (L/sec)
January	783	25.25	0.74	0.76
February	719	25.68	0.74	0.76
March	811	26.15	0.75	0.76
April	902	30.07	0.74	0.76
May	1,064	34.34	0.74	0.76
June	944	31.47	0.74	0.76
July	1,033	33.31	0.74	0.76
August	895	28.87	0.74	0.76
September	918	30.60	0.74	0.76
October	890	28.72	0.74	0.76
November	800	26.67	0.74	0.76
December	804	25.94	0.73	0.76

The Keene Heights Subdivision Drinking Water System operated under Certificate of Approval (CofA) No. 3048-6XWRTZ from January 1, 2010 to April 28, 2010, at which time it was replaced with CofA No. 0031-84GKM9. The system operated under CofA No. 0031-84GKM9 from April 28, 2010 to October 13, 2010 at which time is was replaced with Municipal Drinking Water Licence (MDWL) No. 252-101 and Drinking Water Works Permit (DWWP) No. 252-201. CofA No. 3048-6XWRTZ stated that the drinking-

water system shall not be operated to exceed the rated capacity for the maximum flow rate INTO the treatment plant. As such the above table provides a summary and comparison of the quantities and flow rates of the raw water supplied into the treatment system for the reporting period.

CofA No. 0031-84GKM9 and MDWL No. 252-101 state that the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the rated capacity specified of 66 m^3/day. As such the table below provides a summary and comparison of the quantities and flow rates of the treated water supplied to the distribution system for the reporting period.

Keene Heights Subdivision Drinking Water System – 2010 Treated Water Flow Data				
Month	Total Flow (m^3/month)	Average Monthly Flow (m^3/month)	Max. Daily Flow (m^3/day)	CofA & MDWL Max. Design Capacity Flow Rate (m^3/day)
January	656	21	26	66
February	597	21	30	66
March	652	21	25	66
April	775	26	40	66
May	929	30	54	66
June	795	27	48	66
July	873	28	40	66
August	747	24	33	66
September	767	26	33	66
October	730	24	29	66
November	647	22	27	66
December	658	22	27	66

The above tables show that there were no exceedances of the rated capacity for the maximum flow rate into the treatment system or of the rated capacity for the maximum flow rate from the treatment subsystem into the distribution system during the reporting period.

When Does the Report Get Submitted?

If a report is prepared for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.