

STAFF REPORT: ENGINEERING & PUBLIC WORKS COMMITTEE



REPORT TO: Engineering and Public Works Committee
MEETING DATE: March 11, 2008
REPORT NO.: EPW.08.27
SUBJECT: 2007 Summary Report – Town of The Blue
 Mountains, Water Group
PREPARED BY: John Caswell, Manager of Water and
 Wastewater Services Division

A. Recommendations

THAT Council receives Report EPW.08.27 entitled “2007 Summary Report – Town of The Blue Mountains, Water Group” for their information.

B. Background

The delivery of potable water in Ontario is regulated by the Ministry of the Environment under the Safe Drinking Water Act.

Ontario Regulation 170/03 Schedule 22 requires the Owner of a drinking water system to prepare a Summary Report, no later than March 31 of each calendar year that summarizes the following:

- a) List the requirements of the Act, the regulations, the system’s approval and any order that the system failed to meet at any time during the period covered by the report and specify the duration of the failure; and
- b) For each failure referred to in clause (a), describe the measures that were taken to correct the failure.

The report must also include a summary of the quantities and flow rates of the water supplied during the 2007 period, including monthly average and maximum daily flows as well as daily instantaneous peak flow rates. A comparison of the summary to the rated capacity and flow rates approved in the system’s approval must also be documented.

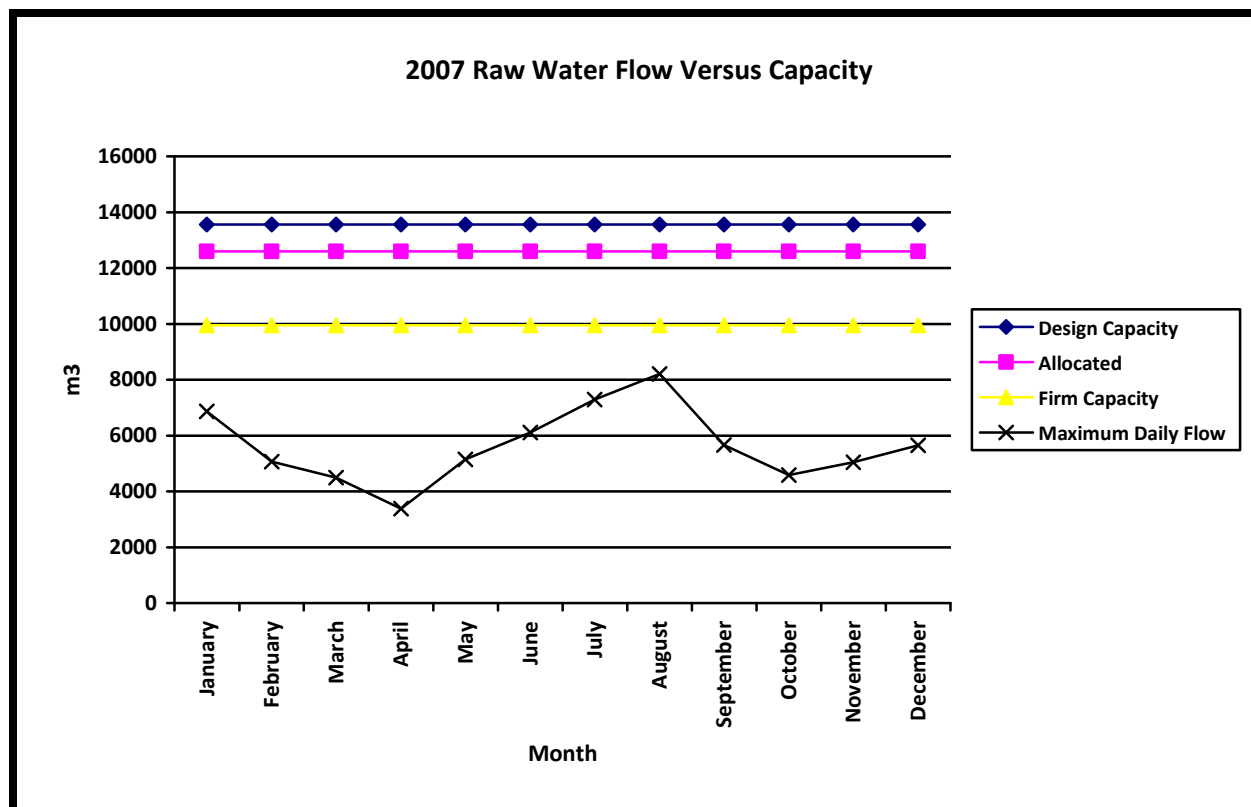
In summary, this Report has been prepared as required under Ontario Regulation 170/03 – Schedule 22 of the *Safe Drinking Water Act* to acknowledge compliance with the terms and conditions of the Certificate of Approval issued for the Thornbury Water Treatment Plant, to comment on any incidents of non-compliance during the reporting period, to summarize the quantities of water supplied and to compare those quantities to the rated capacity and flow rates as set out in the system’s permit and approvals in force during the reporting period. A copy of this report is required to be presented and accepted by Municipal Council no later than March 31 of each calendar year.

This Report is specific to the Thornbury Water Treatment Plant located at 230 Peel Street and its associated distribution system in the Lora Bay, Clarksburg, Thornbury, Camperdown and Craighleith Service Areas. The system operates under Certificate of Approval # 6019-6RMNSJ issued August 15, 2006 and the system is classified as Class III Treatment and Class III Distribution.

The Thornbury Water Treatment Plant and its associated distribution continues to operate within Ministry of the Environment Guidelines. The Thornbury Water Treatment Plant experienced raw water flow rate exceedences during this report period, however, this issue will be addressed during the plant expansion scheduled for 2008. Any issues regarding adverse water samples and chlorination were addressed immediately and to the satisfaction of Ministry of the Environment Staff.

In 2007, the maximum flow rate was exceeded during spikes resulting from either backwashing or during plant start-up. In order to prevent the exceedences, filter rates have been reduced by modifying Supervisory Control and Data Acquisition (SCADA) set points. The exceedences were discussed with the Ministry of Environment Provincial Officer during the 2007 Inspection and found to be “of no consequence to the water quality or the plants ability to effectively treat water...” The raw water flow exceedences will be discussed with Ministry of Environment Approvals Branch during the Certificate of Approval application process for the installation of membrane filtration.

Summary of Flow Rate Exceedences:



For reference, a complete summary of the requirements of O. Reg 170/03 Schedule 22-3 is appended to Report EPW.08.27.

C. The Blue Mountains' Strategic Plan

The acceptance of this Report by Council furthers the Town Strategic Plan Goal # 2 "Addressing the Town Municipal Infrastructure Needs" and Goal # 6 "Providing a Strong, Well-Managed Municipal Government."

D. Budget Impact

None

E. Attached

1. 2007 Summary Report – Town of The Blue Mountains, Water Group

Respectfully submitted,

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Reg Russwurm
Director, Engineering and Public Works