

EXECUTIVE SUMMARY

The 2006 Annual Summary Report addresses the requirements outlined in Schedule 22 of the Ontario Drinking Water Systems Regulation (170/03, amended to 402/06) under the *Safe Drinking Water Act (SDWA)*, 2002.

The report includes a statement of compliance and non-compliance of the Region of Peel drinking water systems with terms and conditions of the Certificates of Approval, Permits to Take Water, Drinking Water Quality Standards Regulation (O.Reg. 169/03, amended to 248/06), and the Ontario Drinking-Water System Regulation 170/03. The report also contains a summary of the quantities and flow rates of water supplied, including monthly average and maximum daily flows and daily instantaneous peak flow rates during the period from January 1st to December 31st, 2006.

In addition, the Annual Summary Report includes the 2006 Drinking Water System Annual Reports for all of Peel's waterworks systems submitted to the Ministry of the Environment (MOE), in accordance with Section 11 of O. Regulation 170/03, a summary of 2006 water quality inquiries within the Region of Peel, and planned water quality initiatives and upcoming projects.

Background

In 2002, the government passed the *Safe Drinking Water Act*, and in 2003 all municipal and non-municipal drinking water systems in Ontario were governed by this Act and its Regulations. The SDWA replaced the *Ontario Water Resources Act* and its Regulations including O. Regulation 459/00 (the Ontario Drinking Water Protection Regulation for Large Waterworks) and 505/01 (the Ontario Drinking Water Protection Regulation for Smaller Waterworks Serving Designated Facilities). These regulations were replaced with Ontario Regulation 170/03 under the SDWA, which introduced new requirements in monitoring, testing and reporting of drinking water systems.

Additional regulations were enacted under the SDWA including Drinking-Water Quality Standards Regulation (O.Reg 169/03), Drinking-Water Testing Services Regulation (O.Reg 248/03) and Certification of Drinking-Water System Operators and Water Quality Analysts (O.Reg 128/04).

The MOE introduced O. Regulation 128 and 129 (Licensing of Sewage Works Operators) on August 1, 2004 to ensure water and wastewater system operators continue to improve their skills and knowledge. This regulation replaced O.Reg.435/93, under Ontario Water Resource Act, which combined certification requirements for sewage and drinking water works.

O. Regulation 128/04 regulates and strengthens the training and certification of water treatment and distribution operators and water quality analysts. It requires more focused training strategy to ensure that water system operators are aware of emerging pathogens, all protection measures and new treatment technologies.

Section 11 of the *Safe Drinking Water Act* outlines general duties for owners and operating authorities of municipal and regulated non-municipal drinking water systems. One of these duties includes ensuring that all reporting requirements are complied with. Reporting requirements are found under O. Regulation 170/03 and include the preparation of a Drinking Water Annual Report (Section 11) for the public and an Annual Summary Report (Schedule 22) for municipal Councilors.

Reporting Requirements under the Ontario Drinking-Water Systems Regulation (O.Reg.170/03)

Section 11, under O. Reg. 170/03, requires the owner of a drinking water system to prepare a Drinking Water Annual Report which includes all information related to the quality of drinking water supply. This report must be submitted to the Ministry of the Environment not later than February 28 of each year and made available to public.

Schedule 22, under O. Reg. 170/03, requires the owner of a drinking water system to prepare an Annual Summary Report. The objective of this report is to ensure that drinking water system owners regularly review compliance with the terms and conditions of their Certificates of Approval, Permits to Take Water, and requirements of the *Safe Drinking Water Act* and its regulations. The report must also include a summary of the quantities and flow rates of water supplied, including monthly averages and maximum daily flows and daily instantaneous peak flow rates, during the period from January 1st to December 31st, for all municipal water systems. The Annual Summary Report must be prepared not later than March 31 of each year and presented to Council.

Summary of Compliance

The Region of Peel complied with the terms and conditions of all Certificates of Approval, Permits to Take Water, Ontario Drinking-Water Quality Standards Regulation (O.Reg.169/03), and the Drinking-Water Systems Regulation (O.Reg.170/03) with the exception of six non-health related conditions. The Region of Peel 'Statement of Compliance and Non-Compliance' can be found in Section 2 of this report.

Water Quality Management Plan

The Region of Peel developed a Total Water Quality Management Plan in March 2002 to guide decision-making in the Region of Peel in regards to quality of drinking water. The plan includes source water protection as well as decisions on how new and upgraded water treatment, transmission and distribution infrastructure will be implemented in the Region of Peel over the next 20 years.