



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**

**SOUTHAMPTON WATER TREATMENT  
Large Municipal Residential Drinking Water System**

**SCHEDULE 22  
SUMMARY REPORT**

**For the period of**

**JANUARY 1, 2005 TO DECEMBER 31, 2005**

**Prepared by the Ontario Clean Water Agency  
For The Corporation of The Town of Saugeen Shores**

**March 28, 2006**

**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 1, 2005 to December 31, 2005 for the Southampton Water Treatment Plant located in the Town of Saugeen Shores.

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>Ontario Regulations<br/>Reg. 170/03</b>             | The system failed for continuous turbidity monitoring on each filter effluent line.<br><br>Sched. 7-3 (2) (b)  | January 1- December 31, 2005 | Municipality has received a C of A #4151-645HF6 with regulatory relief and deadline extension to the issue   | Ongoing       |
| <b>System Certificate of Approval<br/>#2149-668L8J</b> | 4.4 The annual average concentration of suspended solids in the effluent discharge from the backwash wastewater facilities shall not exceed 15 mg/L. | January 1- December 31,2005  | Annual average was 17.9 mg/L   | Completed     |
| <b>System Certificate of Approval<br/>#9472-5PPNLG</b> | The system failed to measure and record the raw and treated instantaneous flow rate as required by C of A Condition 5.1 (i) (ii)                     | January 1- December 31, 2005 | The current flow measuring equipment is not capable of monitoring the flow rates in L/sec. The municipality is working on a temporary fix to the system until the upgrades are in place. | Ongoing       |

**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:

| <b>Southampton Water Treatment Plant</b> | <b>January 1- December 31</b> |
|--|-------------------------------|
| Average Day Flow (m <sup>3</sup> /day)   | 3599.5                        |
| Maximum Day Flow (m <sup>3</sup> /day)   | 7230.0                        |
| Average Flow Rate (L/sec)                | 41.66                         |
| Maximum Flow Rate (L/sec)                | 83.68                         |
| Design Capacity (m <sup>3</sup> /day)    | 9027                          |
| Approved Flow Rate (L/sec)               | 109.95                        |
| % (Average Day/Design Capacity)          | 39.87                         |
| % (Maximum Day/Design Capacity)          | 80.09                         |
| % (Average Flow Rate/Approved Flow Rate) | 37.89                         |
| % (Maximum Flow Rate/Approved Flow Rate) | 76.11                         |