



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

## **LION'S HEAD WATER TREATMENT**

Large Municipal Residential Drinking Water System

### **SCHEDULE 22 SUMMARY REPORT**

For the period of:  
JANUARY 1, 2010 TO DECEMBER 31, 2010

Prepared by the Ontario Clean Water Agency  
For The Municipality of Northern Bruce Peninsula

## **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, 2010 to December 31, 2010 for the Lion's Head Water Treatment Plant located in the Municipality of Northern Bruce Peninsula.

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 tables list 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>O. Reg. 170/03</b>	All continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was not recording data with the prescribed format.	Sept 9, 2009 to Feb 16, 2011	By no later than May 18, 2011, The owner and/or operating authority shall provide to the Provincial Officer authoring this report, the following: 1) A chronological summary page of all alarms related to data acquisition for the period from September 9, 2009 until January 16, 2011. 2) A SCADA printout filtered by parameter and in chronological order for each alarm showing the parameter, value, date, time, duration and whether the parameter exceeded its regulatory limits. 3) Verification that the data acquisition and reporting system is fully functioning and a complete summary of the issue and the steps that were taken to resolve the inability for consistent data reports to be generated.	In Progress

**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>Lion's Head Water Treatment Plant</b>	<b>January 1- December 31</b>
Average Day Flow (m3/day)	427.54
Maximum Day Flow (m3/day)	733.97
Average Flow Rate (L/sec)	4.95
Maximum Flow Rate (L/sec)	8.49
Design Capacity (m3/day)	1831.5
Approved Flow Rate (L/sec)	21.2
% (Average Day/Design Capacity)	23.3
% (Maximum Day/Design Capacity)	40.1
% (Average Flow Rate/Approved Flow Rate)	23.3
% (Maximum Flow Rate/Approved Flow Rate)	40.0