



**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, 2011 TO DECEMBER 31, 2011

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, 2011 to December 31, 2011 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**

An MOE inspection, commencing February 16, 2011, which was routine and unannounced, resulted in an Inspection Report Rating of 97.56%.

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.	Complete – Desk top computer repaired, Pall Systems (PS) tech support contract setup, PS monitoring software setup & data monitoring resumed, chronological alarm data supplied to Provincial Officer, SCADA printouts of alarms and logbook entries forwarded to Provincial Officer for review.

**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:

Lion's Head Water Treatment Plant

<b>Month</b>	<b>Average Day Flow</b>	<b>% of Rated Capacity 1832 m3/d</b>	<b>Maximum Day Flow</b>	<b>% of Rated Capacity 1832 m3/d</b>
January	335.11	18.29	551.21	30.09
February	314.29	17.16	351.69	19.20
March	346.95	18.94	458.06	25.00
April	276.28	15.08	324.57	17.72
May	329.70	18.00	386.24	21.08
June	337.40	18.42	399.19	21.79
July	418.06	22.82	557.97	30.46
August	440.52	24.05	607.87	33.18
September	479.36	26.17	562.04	30.68
October	508.77	27.77	671.07	36.63
November	310.18	16.93	524.47	28.63
December	455.65	24.87	523.47	28.57