



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, 2012 TO DECEMBER 31, 2012

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, 2012 to December 31, 2012 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 28, 2012, which was routine and unannounced, resulted in an Inspection Report Rating of 97.25%.

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:

Drinking Water Legislation	Requirement(s) the system failed to meet	Compliance date on report (dd/mm/yy)	Corrective Action(s)	Status (dd/mm/yy)
O. Reg. 170/03	<p>Drinking Water Works Permit 250-201 lists a chemical feed pump for trim chlorination. There is no pump installed for trim chlorination. At this time, it does not appear that the Lion's Head drinking water system requires trim chlorination.</p> <p>The Owner shall consult with the Ministry's Engineering and Approvals Branch to determine if the equipment should be removed from the Permit. By April 30th, 2012, the Owner shall confirm in writing to the undersigned Provincial Officer that they have contacted the Ministry to discuss any required changes to Drinking Water Works Permit 250-201</p>	30/04/2012	OCWA PCT David Trombley contacted the Ministry of the Environment Approvals branch for direction. A letter was prepared to support that the trim chlorination pump is not required by the system and a request has been submitted requesting that the Trim Chlorination Pump be deleted from the DWWP with supporting documentation as per MOE direction.	Completed 02/04/2012

<p>O. Reg. 170/03</p>	<p>The last round of lead sampling for the Lion's drinking water system was completed in the winter 20010/11 period. Records show that the number of samples collected were in accordance with the reduced table under Ontario Regulation 170, however the location of the samples for private residential plumbing and non-residential plumbing were switched. The Operating Authority indicated the locations were chosen based on the lack of available private plumbing locations available. In addition, previous records indicate standard lead sampling may not have been fully completed in accordance with schedule 15.1 of O. Reg. 170/03. Any variance with the sampling requirements prescribed by schedule 15.1 of O. Reg. 170/03 requires approval from the Ministry.</p> <p>The Owner/Operating Authority shall immediately consult the Ministry's Engineering and Approvals Branch to determine their future sampling requirements. The Owner/Operating Authority shall provide a lead sampling plan to the undersigned Provincial Officer by April 30, 2012</p>	<p>30/04/2012</p>	<p>OCWA PCT David Trombley contacted the Ministry of the Environments Approvals Branch for consultation. As a result an application for relief from sampling under O. Reg. 170/03 schedule 15.1 (Plumbing exemption) was submitted to the Ministry of the Environment Approvals Branch as per MOE direction.</p> <p>A revised Municipal Drinking Water License was received outlining the requirements for Regulatory Relief from sampling under O. Reg. 170/03 schedule 15.1 and a copy is maintained at the treatment facility.</p>	<p>Completed 02/04/2012</p>
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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

Month	Average Day Flow	% of Rated Capacity 1832 m³/d	Maximum Day Flow	% of Rated Capacity 1832 m³/d
January	471.44	25.73	519.25	28.34
February	442.59	24.16	546.18	29.81
March	288.87	15.77	354.21	19.33
April	298.07	16.27	560.49	30.59
May	311.56	17.01	418.64	22.85
June	345.41	18.85	452.04	24.67
July	376.50	20.55	471.69	25.75
August	343.92	18.77	418.15	22.82
September	284.59	15.53	409.62	22.36
October	275.07	15.01	399.81	21.79
November	248.19	13.55	381.18	20.81
December	244.80	13.36	296.49	16.18