



Bass Lake Woodlands Water Supply and Distribution System

2011 Summary Report

Prepared by the Township of Severn Utilities Department in accordance with the Safe Drinking Water Act, 2002 and Ontario Regulation 170/03 for the period from January 1, 2011 to December 31, 2011.

Part 1

Summary of Non-Compliances

The Safe Drinking Water Act, 2002, Ontario Regulation 170/03 along with the Municipal Drinking Water Licence and Permit, Permit to Take Water and any other order for the Bass Lake Woodlands water supply and distribution system were complied with during the period from January 1, 2011 to December 31, 2011 with the following exceptions:

1. **Issue:** Exceedances of the instantaneous maximum flow rate from production wells #1 & #2.

Corrective Action: Exceedances in flow rates from production wells #1 & #2 occur upon startup of each of the wells. Well #1's instantaneous flow rate exceeds Permit to Take Water #87-P-3051 for approximately 15 to 20 seconds on start up. Similarly, Well #2's instantaneous flow rate exceeds Permit to Take Water #87-P-3051 for approximately two (2) minutes on start up. The time and duration of all exceedances were noted in the log book by staff.

2. **Issue:** There was no instantaneous data recorded on two occasions. Between 11:22 am, December 4, 2011 and 1:49 pm, December 5, 2011 and on December 17, 2011 between 10:19 am and 3:12 pm.

Corrective Action: Gaps in the data and the causes of the data gaps were noted in the log book by staff.

Part 2

Summary of Flow Data

Bass Lake Woodlands 2011 Flow Report

Month	Total Monthly Flow (m ³)	Monthly Average Supplied to Distribution System (m ³)	Maximum Daily Flow (m ³)	Date of Maximum Flow	Percent Capacity Used (based on Maximum Day)
January	2473	80	96	January 16, 2011	11.74 %
February	2184	78	93	February 19 & 21, 2011	11.37 %
March	2264	73	89	March 20, 2011	10.88 %
April	2438	81	98	April 24, 2011	11.98 %
May	3199	103	139	May 20, 21, 2011	16.99 %
June	4345	145	234	June 20, 2011	28.61 %
July	6881	229	308	July 17, 2011	37.65 %
August	4115	133	227	August 1, 2011	27.75 %
September	3910	130	205	September 11, 2011	25.06 %
October	2733	88	164	October 4, 2011	20.05 %
November	2402	80	137	November 25, 2011	16.75 %
December	2680	86	112	December 24, 2011	13.69 %

Total Annual Flow: 39,623 m³

Note: Rated capacity of water plant is 818 m³/day.

Water main breaks: None for reporting period.