

**Ontario Regulation 170/03
2009 Summary Report For Municipalities - Schedule 22
Cobden Water Treatment Plant**

Act, Regulations, C of A, or Order - Unfulfilled Requirements

Regulation 170/03

None

Certificate of Approval

None

Water Flow Rate Summary

The Certificate of Approval for the Cobden Water Treatment Plant specifies a maximum permissible flow rate of 1364 cubic meters per day.

Quantities and flow rates for 2009 were as follows:

Monthly Flow Rates Cubic Meters

	Total Flow	Average Daily Flow	Maximum Daily Flow	Daily Peak Flow Rates
Jan	20583	664	767	1044
Feb	18870	674	830	1007
Mar	22043	711	912	1251
Apr	17699	590	834	1099
May	18779	606	807	1102
Jun	20401	680	968	1217
Jul	18702	603	781	1206
Aug	23021	743	1159	1200
Sep	22519	751	918	1194
Oct	19999	645	884	1107
Nov	17929	598	702	1126
Dec	19357	624	1000	1095

Total Annual Flow - 239902 cubic meters
 Annual Average Daily Flow - 657 cubic meters
 Maximum Daily Flow - 1159 cubic meters
 Maximum Daily Peak Flow Rate - 1251 cubic meters per day

As can be seen in the above summary the annual average daily flow of 657 cubic meters is equivalent to 48.2 % of the plant rated capacity of 1364 cubic meters per day. Similarly the maximum recorded daily flow of 1159 cubic meters is equivalent to 85.0 % of the plant rated capacity of 1364 cubic meters per day. As well the maximum daily instantaneous peak flow rate of 1251 cubic meters per day is within the maximum permitted instantaneous rate of 1364 cubic meters per day.

This report fulfills the requirements for the 2009 annual summary report for municipalities as required under Schedule 22 of Ontario Regulation 170/03.

January 26, 2010

David Simmons

Plant Manager
Township of Whitewater Region