

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

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

Reg . 170/03

None

Certificate of Approval

None

Water Flow Rate Summary

The Certificate of Approval for the Beachburg Water Treatment Plant specifies a maximum permissible flow rate of 973 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	
				Dug Well	Drilled Well
Jan	12975	419	489	665	966
Feb	11125	397	492	678	960
Mar	11318	377	491	869	960
Apr	10130	338	406	654	950
May	10926	352	432	696	971
Jun	9834	378	590	786	971
Jul	10318	333	394	667	950
Aug	11423	381	562	656	960
Sep	11707	390	506	649	970
Oct	11527	372	429	630	970
Nov	10786	360	434	664	969
Dec	11163	360	406	783	972

- Total annual flow - 133232 cubic meters
- Annual Average Daily Flow - 371 cubic meters
- Maximum Daily Flow - 590 cubic meters
- Maximum Daily Peak Flow Rate - Dug Well 869 cubic meters per day
- Drilled Well 972 cubic meters per day

As can be seen in the above summary the annual average daily flow of 371 cubic meters is equivalent to 38.1% of the plant rated capacity of 973 cubic meters per day. Similarly the maximum recorded daily flow of 590 cubic meters is equivalent to 60.6 % of the plant rated capacity of 973 cubic meters per day. As well, the maximum daily instantaneous peak flow rate of 869 cubic meters per day for the dug well, and 972 cubic meters per day for the drilled well is within the maximum permitted instantaneous rate of 973 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