

**Ontario Regulation 170/03**  
**2006 Summary Report For Municipalities-Schedule 22**  
**Eganville Water Treatment Plant**

**Report**

This report is a summary of the water quality information for the Eganville Water Treatment Plant. In accordance with schedule 22 of the Ontario's Drinking Water Systems Regulation for the reporting period of January 1, 2006 to December 31, 2006. The Eganville Water Treatment Plant is categorized as a large Municipal Residential Drinking Water System.

The report must,

- (a) list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report and specify the duration of the failure; and
- (b) for each failure referred to in clause (a) describe the measures that were taken to correct the failure.

The following table lists the requirements that the system failed to meet and the measures taken to correct the failure:

**Section 16-4 of Schedule 16 of O.Reg 170/03**

Drinking Water Legislation	List the requirements the system failed to meet	Specify Duration of failure i.e. dates	Corrective Action Taken	Status (completed or outstanding)
Ontario Regulations	Total Coliform 15 cts/100ml	July 11,2006 To July 13,2006	Flushing/Increased Disinfection and Resampled	Completed
Ontario Regulations	Total Coliform 1 cts/100ml	Dec.5,2006 To Dec.7,2006	Flushed /Increased Disinfection and Resampled	Completed

The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system.

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows and daily instantaneous peak flow rates.

2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval.

### **Water Flow Rate Summary**

The Certificate of Approval #7529-5S6NUN for the Eganville Water Treatment Plant specifies a maximum permissible flow rate of 2070 cubic meters per day.

Quantities and flow rates for 2006 were as follows:

#### **Monthly Flow Rates Cubic Meters**

	<b>Total</b>	<b>Average Daily Flow</b>	<b>Maximum Daily Flow</b>	<b>Daily Instantaneous Peak Flow Rates</b>
Jan	27524	888	1086	1086
Feb	25525	912	1097	1097
Mar	25766	831	1004	1004
Apr	24716	824	943	943
May	25046	808	959	959
June	28370	946	1187	1187
July	31549	1018	1200	1200
Aug	31578	1019	1185	1185
Sept	29018	967	1048	1048
Oct	27647	892	1010	1010
Nov	26513	884	1013	1013
Dec	25903	836	895	895

Total annual flow 329,155 cubic meters.

As can be seen in the above summary the maximum recorded daily flow of 1200 cubic meters is equivalent to 58 % of the plant rated capacity of 2070 cubic meters per day. As well the maximum daily instantaneous peak flow rate of 1200 cubic meters per day is within the maximum permitted instantaneous rate of 2070 cubic meters per day.

This report fulfills the requirements for the 2006 annual summary report for municipalities as required under Schedule 22 of Ontario Regulation 170/03, dated today, February 26, 2007.

Daryl Verch  
Water Superintendent  
Township of Bonnechere Valley

**Part III Form 2  
Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	W2100000675
<b>Drinking-Water System Name:</b>	Eganville Water Treatment Plant
<b>Drinking-Water System Owner:</b>	Township Of Bonnechere Valley
<b>Drinking-Water System Category:</b>	Large Residential
<b>Period being reported:</b>	January 2006 – December 2006

**Complete if your Category is Large Municipal Residential or Small Municipal Residential**

**Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ x ]**

**Is your annual report available to the public at no charge on a web site on the Internet? Yes [ x ] No [ ]**

**Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**

Township of Bonnechere Valley  
Municipal Office  
49 Bonnechere Street East  
Eganville, Ontario  
KOJ ITO

**Complete for all other Categories.**

**Number of Designated Facilities served:**

ONE

**Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]**

**Number of Interested Authorities you report to:**

ONE

**Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ x ] No [ ]**

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

Drinking Water System Name	Drinking Water System Number
N/A	N/A

**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? Yes [ x ] No [ ]**

# Drinking-Water Systems Regulation O. Reg. 170/03

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method      Public Bulletin Board

**Describe your Drinking-Water System**

The Bonnechere River is the surface water source that supplies the two package water Treatment units each providing treatment processes consisting of coagulation, Flocculation, sedimentation and filtration. There are water reservoirs located below the plant enclosure building and a standpipe that are used for storage.

**List all water treatment chemicals used over this reporting period**

Sodium Hypochlorite, Pre Hydroxylated Aluminum Sulphate and Polyelectolyte

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
July 11/06	Total Coliform	15	Cts/100 ml	Flushing and resampling, Increased Disinfection	July 13/06

# Drinking-Water Systems Regulation O. Reg. 170/03

Dec. 5/06	Total Coliform	1	Cts/100 ml	Flushing and resampling, Increased Disinfection	Dec. 7/06
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**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	53	1-33	1-410	53	0-2500
Treated	54	<1-<1	<1-<1	54	<1-<2
Distribution	175	<1-<1	<1-15	175	<2-16

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	8760	.01-0.70
Chlorine	8760	1.05-2.00
Fluoride (If the DWS provides fluoridation)	N/A	N/A

*NOTE: For continuous monitors use 8760 as the number of samples.*

*NOTE: Record the unit of measure if it is not milligrams per litre.*

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	Jan.17/06	<0.001	Mg/L	0
Arsenic	Jan.17/06	0.001	Mg/L	0
Barium	Jan.17/06	0.031	Mg/L	0

Boron	Jan.17/06	0.008	Mg/L	0
Cadmium	Jan.17/06	0.0001	Mg/L	0
Chromium	Jan.17/06	<0.002	Mg/L	0
Lead	Jan.17/06	<0.0008	Mg/L	0
Mercury	Jan.17/06	<0.00006	Mg/L	0
Selenium	Jan.17/06	<0.001	Mg/L	0
Sodium	Jan.17/06	5.9	Mg/L	0
Uranium	Jan.17/06	<0.0001	Mg/L	0
Fluoride	Jan.17/06	<0.1	Mg/L	0
Nitrite	2006 annual average	<0.1	Mg/L	0
Nitrate	2006 annual average	0.1	Mg/L	0

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Jan.17/06	< 0.3	Ug/L	0
Aldicarb	Jan.17/06	< 3	Ug/L	0
Aldrin + Dieldrin	Jan.17/06	< 0.02	Ug/L	0
Atrazine + N-dealkylated metabolites	Jan.17/06	< 0.5	Ug/L	0
Azinphos-methyl	Jan.17/06	< 1	Ug/L	0
Bendiocarb	Jan.17/06	< 0.3	Ug/L	0
Benzene	Jan.17/06	< 0.5	Ug/L	0
Benzo(a)pyrene	Jan.17/06	< 0.005	Ug/L	0
Bromoxynil	Jan.17/06	< 0.3	Ug/L	0
Carbaryl	Jan.17/06	< 3	Ug/L	0
Carbofuran	Jan.17/06	< 1	Ug/L	0
Carbon Tetrachloride	Jan.17/06	< 0.2	Ug/L	0
Chlordane (Total)	Jan.17/06	< 0.04	Ug/L	0
Chlorpyrifos	Jan.17/06	< 0.5	Ug/L	0
Cyanazine	Jan.17/06	< 0.5	Ug/L	0
Diazinon	Jan.17/06	< 1	Ug/L	0
Dicamba	Jan.17/06	< 5	Ug/L	0
1,2-Dichlorobenzene	Jan.17/06	< 0.1	Ug/L	0
1,4-Dichlorobenzene	Jan.17/06	< 0.2	Ug/L	0
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jan.17/06	< 0.1	Ug/L	0
1,2-Dichloroethane	Jan.17/06	< 0.1	Ug/L	0
1,1-Dichloroethylene (vinylidene chloride)	Jan.17/06	< 0.1	Ug/L	0
Dichloromethane	Jan.17/06	< 0.3	Ug/L	0
2-4 Dichlorophenol	Jan.17/06	< 0.1	Ug/L	0
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan.17/06	< 5	Ug/L	0

Diclofop-methyl	Jan.17/06	< 0.4	Ug/L	0
Dimethoate	Jan.17/06	< 1	Ug/L	0
Dinoseb	Jan.17/06	< 0.5	Ug/L	0
Diquat	Jan.17/06	< 5	Ug/L	0
Diuron	Jan.17/06	< 5	Ug/L	0
Glyphosate	Jan.17/06	< 25	Ug/L	0
Heptachlor + Heptachlor Epoxide	Jan.17/06	< 0.1	Ug/L	0
Lindane (Total)	Jan.17/06	< 0.1	Ug/L	0
Malathion	Jan.17/06	< 5	Ug/L	0
Methoxychlor	Jan.17/06	< 0.1	Ug/L	0
Metolachlor	Jan.17/06	< 3	Ug/L	0
Metribuzin	Jan.17/06	< 3	Ug/L	0
Monochlorobenzene	Jan.17/06	< 0.2	Ug/L	0
Paraquat	Jan.17/06	< 1	Ug/L	0
Parathion	Jan.17/06	< 3	Ug/L	0
Pentachlorophenol	Jan.17/06	< 0.1	Ug/L	0
Phorate	Jan.17/06	< 0.3	Ug/L	0
Picloram	Jan.17/06	< 5	Ug/L	0
Polychlorinated Biphenyls(PCB)	Jan.17/06	< 0.05	Ug/L	0
Prometryne	Jan.17/06	< 0.1	Ug/L	0
Simazine	Jan.17/06	< 0.5	Ug/L	0
THM (NOTE: show latest annual average)	2006	71.02	Mg/L	0
Temephos	Jan.17/06	< 10	Ug/L	0
Terbufos	Jan.17/06	< 0.3	Ug/L	0
Tetrachloroethylene	Jan.17/06	< 0.2	Ug/L	0
2,3,4,6-Tetrachlorophenol	Jan.17/06	< 0.1	Ug/L	0
Triallate	Jan.17/06	< 10	Ug/L	0
Trichloroethylene	Jan.17/06	< 0.1	Ug/L	0
2,4,6-Trichlorophenol	Jan.17/06	< 0.1	Ug/L	0
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Jan.17/06	< 10	Ug/L	0
Trifluralin	Jan.17/06	< 0.5	Ug/L	0
Vinyl Chloride	Jan.17/06	<.2	Ug/L	0

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)