



Drinking-Water System Number:	220000932
Drinking-Water System Name:	Arnprior Water Filtration Plant
Drinking-Water System Owner:	Town of Arnprior
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	Year 2009

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.

Town of Arnprior Town Hall 105 Elgin St. W. Arnprior ON. K7S 0A8
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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	

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 [] No [] N/A [x]



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 _____

Describe your Drinking-Water System

The Arnprior Water Filtration Plant (WFP) is owned and operated by the Corporation of the Town of Arnprior. The WFP is situated at 71 James St. Arnprior Ontario, plant operators can be reached at 613-623-4231 ext. 246. Certified operators monitor and control the treatment and testing of water production and quality.

Water is pumped from the Madawaska River to the treatment plant where Alum is added as a flocculent, the water is then filtered, Chlorine, Fluoride and Soda Ash are added to prepare the water for consumption. The treated water is stored in two 2,200 m³ reservoirs, Aqueous Ammonia is added then the water is pumped to the distribution system as well as a 2,700 m³ elevated water storage tank.

List all water treatment chemicals used over this reporting period

- Aluminum Sulphate
- Soda Ash
- Chlorine gas
- Fluoride
- Aqueous Ammonia

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

Repaired backup chlorinator, replaced SCADA computer.



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
2009-08-26	E-Coli and Total Coliform	3 / 25	Cnt/100 ml	Sample taken at Water Treatment Plant. Incorrect sampling procedure, resampled, raised chlorine dosage.	2009-08-27
2009-12-02	Total Coliform	10	Cnt/100 ml	Resampled, raised chlorine dosage, flushed main	2009-12-03

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	54	1-115	8-580	N/A	
Treated	54	0-3	0-25	54	<2-52
Distribution	330	absent	0-10	170	<2-38

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	0.03-0.72
Chlorine	8760	1.32-2.62
Fluoride (If the DWS provides fluoridation)	8760	0.2-0.72

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
20 May 2005	Benzo(a)pyrene	Jan. 14-09	<0.005	Mg/L
20 May 2005	Total organic Carbon	Jan. 14-09	2.7	Mg/L
20 May 2005	Dissolved Organic Carbon	Jan. 14-09	2.7	Mg/L
20 May 2005	Colour	Jan. 14-09	2	TCU



20 May 2005	Benzo(a)pyrene	Apr. 15-09	<0.005	Mg/L
20 May 2005	Total organic Carbon	Apr. 15-09	2.4	Mg/L
20 May 2005	Dissolved Organic Carbon	Apr. 15-09	2.4	Mg/L
20 May 2005	Colour	Apr. 15-09	8	TCU
20 May 2005	Benzo(a)pyrene	Jul. 15-09	<0.005	Mg/L
20 May 2005	Total organic Carbon	Jul. 15-09	2.8	Mg/L
20 May 2005	Dissolved Organic Carbon	Jul. 15-09	2.4	Mg/L
20 May 2005	Colour	Jul. 15-09	1	TCU
20 May 2005	Benzo(a)pyrene	Oct. 14-09	<0.005	Mg/L
20 May 2005	Total organic Carbon	Oct. 14-09	2.4	Mg/L
20 May 2005	Dissolved Organic Carbon	Oct. 14-09	2.4	Mg/L
20 May 2005	Colour	Oct. 14-09	1	TCU

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	15-Apr-09	<0.0001	mg/L	no
Arsenic	15-Apr-09	0.0002	mg/L	no
Barium	15-Apr-09	0.015	mg/L	no
Boron	15-Apr-09	0.005	mg/L	no
Cadmium	15-Apr-09	<0.00002	mg/L	no
Chromium	15-Apr-09	<0.002	mg/L	no
*Lead	15-Jul-09	0.00022	mg/L	no
Mercury	15-Apr-09	<0.00002	mg/L	no
Selenium	15-Apr-09	0.0003	mg/L	no
Sodium	24-Sep-08	7.9	mg/L	no
Uranium	15-Apr-09	<0.00005	mg/L	no
Nitrite	14-Oct-09	<0.1	mg/L	no
Nitrate	14-Oct-09	0.1	mg/L	no

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results mg/L (min#) – (max #)	Number of Exceedances
Plumbing	88	<0.00002 - 0.0328	9
Distribution	17	<0.00002 - 0.00312	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	15-Apr-09	<0.3	µg/L	no
Aldicarb	15-Apr-09	<3	µg/L	no
Aldrin + Dieldrin	15-Apr-09	<0.02	µg/L	no
Atrazine + N-dealkylated metabolites	15-Apr-09	<0.5	µg/L	no
Azinphos-methyl	15-Apr-09	<1	µg/L	no
Bendiocarb	15-Apr-09	<3	µg/L	no
Benzene	15-Apr-09	<0.5	µg/L	no
Benzo(a)pyrene	14-Oct-09	<0.005	µg/L	no
Bromoxynil	15-Apr-09	<0.3	µg/L	no
Carbaryl	15-Apr-09	<3	µg/L	no
Carbofuran	15-Apr-09	<1	µg/L	no
Carbon Tetrachloride	15-Apr-09	<0.2	µg/L	no
Chlordane (Total)	15-Apr-09	<0.04	µg/L	no
Chlorpyrifos	15-Apr-09	<0.5	µg/L	no
Cyanazine	15-Apr-09	<0.5	µg/L	no
Diazinon	15-Apr-09	<1	µg/L	no
Dicamba	15-Apr-09	<5	µg/L	no
1,2-Dichlorobenzene	15-Apr-09	<0.1	µg/L	no
1,4-Dichlorobenzene	15-Apr-09	<0.2	µg/L	no
Dichlorodiphenyltrichloroethane (DDT) + metabolites	15-Apr-09	<0.1	µg/L	no
1,2-Dichloroethane	15-Apr-09	<0.1	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	15-Apr-09	<0.1	µg/L	no
Dichloromethane	15-Apr-09	<0.3	µg/L	no
2-4 Dichlorophenol	15-Apr-09	<0.1	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	15-Apr-09	<5	µg/L	no
Diclofop-methyl	15-Apr-09	<0.5	µg/L	no
Dimethoate	15-Apr-09	<1	µg/L	no
Dinoseb	15-Apr-09	<0.5	µg/L	no
Diquat	15-Apr-09	<5	µg/L	no
Diuron	15-Apr-09	<5	µg/L	no
Glyphosate	15-Apr-09	<25	µg/L	no
Heptachlor + Heptachlor Epoxide	15-Apr-09	<0.1	µg/L	no
Lindane (Total)	15-Apr-09	<0.1	µg/L	no
Malathion	15-Apr-09	<5	µg/L	no
Methoxychlor	15-Apr-09	<0.1	µg/L	no
Metolachlor	15-Apr-09	<3	µg/L	no
Metribuzin	15-Apr-09	<3	µg/L	no
Monochlorobenzene	15-Apr-09	<0.2	µg/L	no
Paraquat	15-Apr-09	<1	µg/L	no
Parathion	15-Apr-09	<3	µg/L	no
Pentachlorophenol	15-Apr-09	<0.1	µg/L	no
Phorate	15-Apr-09	<0.3	µg/L	no
Picloram	15-Apr-09	<5	µg/L	no
Polychlorinated Biphenyls(PCB)	15-Apr-09	<0.05	µg/L	no
Prometryne	15-Apr-09	<0.1	µg/L	no
Simazine	15-Apr-09	<0.5	µg/L	no



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

THM (NOTE: show latest annual average)	2009	37.8	µg/L	no
Temephos	15-Apr-09	<10	µg/L	no
Terbufos	15-Apr-09	<0.3	µg/L	no
Tetrachloroethylene	15-Apr-09	<0.2	µg/L	no
2,3,4,6-Tetrachlorophenol	15-Apr-09	<0.1	µg/L	no
Triallate	15-Apr-09	<10	µg/L	no
Trichloroethylene	15-Apr-09	<0.1	µg/L	no
2,4,6-Trichlorophenol	15-Apr-09	<0.1	µg/L	no
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	15-Apr-09	<10	µg/L	no
Trifluralin	15-Apr-09	<0.5	µg/L	no
Vinyl Chloride	15-Apr-09	<0.2	µg/L	no

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