

Part III Form 2

Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260006477
Drinking-Water System	Falconbridge Distribution System
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2007-01-01 To 2007-12-31

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>www.greatersudbury.ca TDS-Engineering Department</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input type="text" value="0"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Number of Interested Authorities you report to: <input type="text" value="0"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
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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

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

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/Citizen Service Centre
- Public access/notice via other method

Describe your Drinking-Water System

The Falconbridge water system, as owned and operated by the City of Greater Sudbury, is a Fluoridation Building and distribution network. Water is supplied to the Fluoride Building from a new well field near the Sudbury Airport and was developed by Xstrada. The water is treated to comply with O. Reg. 170/03 by XStrada then delivered to the community of Falconbridge via the City fluoride building. The CGS only adds fluoride, as required, before the water enters the community distribution network. The distribution network in the community of Falconbridge is owned by the CGS but was developed by the former Falconbridge Mines Ltd. for the original townsite.

List all water treatment chemicals used over this reporting period

Hydrofluosilicic Acid (20-30%) UN#1778

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
2007/10/03	Fluoride	+1.5	mg/L	Resample/Re-test;	2007/10/03
2007/11/28	Mercury	1.52	µg/L	Resample/Re-test;	2007/12/03

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 #)
Distribution					
	135	0 to 0	0 to 0	37	0 to 500

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 #)
Chlorine Residual Distribution System	8,760	0.43 - 2.00

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

HARDY FLUORIDE CHAMBER

Turbidity		
Chlorine	8,760	0.43 - 2.00
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 2.00

*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 or order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
2004/02/04	Sodium	2007/01/30	20.90	mg/L

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Lead	2007/11/28	0.0041	mg/L	No

HARDY FLUORIDE CHAMBER

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2007/11/28	0.0005	mg/L	No
Arsenic	2007/11/28	0.0044	mg/L	No
Barium	2007/11/28	0.0059	mg/L	No
Boron	2007/11/28	0.008	mg/L	No
Cadmium	2007/11/28	0.0001	mg/L	No
Chromium	2007/11/28	0.0026	mg/L	No
Mercury	2007/11/28	0.00152	mg/L	Yes *
Selenium	2007/11/28	0.001	mg/L	No
Uranium	2007/11/28	0.001	mg/L	No
Fluoride	2004/01/19	0.1	mg/L	No
Nitrate	2007/01/30	0.13	mg/L	No
	2007/06/22	0.10	mg/L	No
	2007/09/04	0.10	mg/L	No
	2007/11/05	0.13	mg/L	No
Nitrite	2007/01/30	0.05	mg/L	No
	2007/06/22	0.05	mg/L	No
	2007/09/04	0.05	mg/L	No
	2007/11/05	0.05	mg/L	No
Sodium	2007/01/30	20.10	mg/L	Yes
	2007/01/30	20.90	mg/L	Yes

*Mercury resampled the following week with a result of <0.0001 mg/L

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
THM (NOTE: show latest annual average)	2007	0.0018	mg/L	No

HARDY FLUORIDE CHAMBER

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2006/02/22	0.0006	mg/L	No
Aldicarb	2006/02/22	0.0009	mg/L	No
Aldrin + Dieldrin	2006/02/22	0.000004	mg/L	No
Atrazine + N-dealkylated metabolites	2006/02/22	0.0009	mg/L	No
Azinphos-methyl	2006/02/22	0.0005	mg/L	No
Bendiocarb	2006/02/22	0.002	mg/L	No
Benzene	2007/11/28	0.00025	mg/L	No
Benzo(a)pyrene	2006/02/22	0.00001	mg/L	No
Bromoxynil	2006/02/22	0.0007	mg/L	No
Carbaryl	2006/02/22	0.002	mg/L	No
Carbofuran	2006/02/22	0.002	mg/L	No
Carbon Tetrachloride	2007/11/28	0.00025	mg/L	No
Chlordane (Total)	2006/02/22	0.000004	mg/L	No
Chlorpyrifos	2006/02/22	0.0005	mg/L	No
Cyanazine	2006/02/22	0.0005	mg/L	No
Diazinon	2006/02/22	0.0005	mg/L	No
Dicamba	2006/02/22	0.0003	mg/L	No

1,2-Dichlorobenzene	2007/11/28	0.00025	mg/L	No
1,4-Dichlorobenzene	2007/11/28	0.00025	mg/L	No
(DDT) + metabolites	2006/02/22	0.000005	mg/L	No
1,2-Dichloroethane	2007/11/28	0.00025	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2007/11/28	0.00025	mg/L	No
Dichloromethane	2007/11/28	0.00025	mg/L	No
2-4 Dichlorophenol	2006/02/22	0.002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2006/02/22	0.0003	mg/L	No
Diclofop-methyl	2006/02/22	0.0003	mg/L	No
Dimethoate	2006/02/22	0.0005	mg/L	No
Dinoseb	2006/02/22	0.00007	mg/L	No
Diquat	2006/02/22	0.007	mg/L	No
Diuron	2006/02/22	0.0009	mg/L	No
Glyphosate	2006/02/22	0.01	mg/L	No
Heptachlor + Heptachlor Epoxide	2006/02/22	0.000004	mg/L	No
Linadane (Total)	2006/02/22	0.000002	mg/L	No
Malathion	2006/02/22	0.0005	mg/L	No
Methoxychlor	2006/02/22	0.000004	mg/L	No
Metolachlor	2006/02/22	0.0003	mg/L	No
Metribuzin	2006/02/22	0.0003	mg/L	No
Monochlorobenzene	2007/11/28	0.00025	mg/L	No
Paraquat	2006/02/22	0.001	mg/L	No
Parathion	2006/02/22	0.0003	mg/L	No
Pentachlorophenol	2006/02/22	0.002	mg/L	No
Phorate	2006/02/22	0.0005	mg/L	No
Picloram	2006/02/22	0.00007	mg/L	No
Polychlorinated Biphenyls(PCB)	2006/02/22	0.0003	mg/L	No
Prometryne	2006/02/22	0.0003	mg/L	No
Simazine	2006/02/22	0.0005	mg/L	No
Temephos	2006/02/22	0.03	mg/L	No
Terbufos	2006/02/22	0.0003	mg/L	No
Tetrachloroethylene	2007/11/28	0.00025	mg/L	No
2,3,4,6-Tetrachlorophenol	2006/02/22	0.002	mg/L	No
Triallate	2006/02/22	0.0003	mg/L	No
Trichloroethylene	2007/11/28	0.00025	mg/L	No
2,4,6-Trichlorophenol	2006/02/22	0.002	mg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	2006/02/22	0.00007	mg/L	No
Trifluralin	2006/02/22	0.0003	mg/L	No
Vinyl Chloride	2007/11/28	0.00025	mg/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
Mercury	0.00152	mg/L	2007/11/28

(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)