

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	220003519
Drinking-Water System	Onaping-Levack Well Supply
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2010-03-10 To 2010-12-31

<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 Onaping Potable Water System was constructed in 1971 and owned by Xstrata. In 2009 the City of Greater Sudbury purchased the system from Xstrata and completed all major upgrades required to join the distribution systems in order to supply potable water to the communities of Onaping and Levack. The system was commissioned in November of 2009. The new Onaping/Levack system includes three drilled wells with a common treatment building. The treatment building houses one well and provides chlorine gas injection for disinfection, fluoridation, chemical addition for corrosion control and stand-by power. Continuous analyzers for free chlorine residual, fluoride and turbidity are monitored by an onsite PLC. An elevated storage tank with re-chlorination capabilities, a Pressure Control /Booster building with stand-by power and the distribution piping, complete the system. The entire water system is in compliance with O. Reg. 170/03 and is monitored 24/7 from the Wanapitei WTP.

List all water treatment chemicals used over this reporting period

Chlorine Gas UN#1017, Hydrofluosilicic Acid UN#1778, Polyphosphate

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
2010/09/27	Sodium	67.3	mg/l	Resample/Re-test;	2010/10/12
2010/12/01	Total Coliform	1	cfu	Resample/Re-test;	2010/12/03

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: WICKWAS WELL #3					
	43	0 to 0	0 to 2		
Raw: WICKWAS WELL #4					
	43	0 to 0	0 to 0		
Raw: WICKWAS WELL #5					
	43	0 to 0	0 to 10		
Treated: WICKWAS TREATED PUMPHOUSE					
	43	0 to 0	0 to 0	43	0 to 50
Distribution					
	126	0 to 0	0 to 1	33	0 to 10

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	0.56 - 1.77

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

WICKWAS TREATED PUMPHOUSE

Turbidity	8,760	0.02 - 10.00	NTU
Chlorine	8,760	0.70 - 1.95	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.05 - 0.84	mg/L

*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
2009/03/09	Sodium	2010/03/10	57.1	mg/L
2009/03/09	Sodium	2010/03/10	63.6	mg/L
2009/03/09	Sodium	2010/03/10	82.7	mg/L
2009/03/09	Sodium	2010/04/07	71	mg/L
2009/03/09	Sodium	2010/04/07	74.1	mg/L
2009/03/09	Sodium	2010/04/07	92.9	mg/L
2009/03/09	Sodium	2010/05/05	79.7	mg/L
2009/03/09	Sodium	2010/05/05	82	mg/L
2009/03/09	Sodium	2010/05/05	102	mg/L
2009/03/09	Sodium	2010/06/29	0.12	mg/L
2009/03/09	Sodium	2010/06/29	60.4	mg/L
2009/03/09	Sodium	2010/06/29	74.5	mg/L
2009/03/09	Sodium	2010/07/08	58.7	mg/L
2009/03/09	Sodium	2010/07/08	71.6	mg/L
2009/03/09	Sodium	2010/07/08	67.6	mg/L
2009/03/09	Sodium	2010/08/04	77.2	mg/L
2009/03/09	Sodium	2010/08/04	72.9	mg/L
2009/03/09	Sodium	2010/08/04	66.6	mg/L
2009/03/09	Sodium	2010/09/01	55.7	mg/L
2009/03/09	Sodium	2010/09/01	59.5	mg/L
2009/03/09	Sodium	2010/09/01	58.5	mg/L
2009/03/09	Sodium	2010/09/08	70.4	mg/L
2009/03/09	Sodium	2010/09/08	87.4	mg/L
2009/03/09	Sodium	2010/09/08	72.9	mg/L
2009/03/09	Sodium	2010/10/05	73.2	mg/L
2009/03/09	Sodium	2010/10/05	64.2	mg/L
2009/03/09	Sodium	2010/10/06	56.3	mg/L
2009/03/09	Sodium	2010/11/03	60.7	mg/L
2009/03/09	Sodium	2010/11/03	74	mg/L
2009/03/09	Sodium	2010/11/03	88.4	mg/L
2009/03/09	Sodium	2010/12/01	66.7	mg/L
2009/03/09	Sodium	2010/12/01	61.3	mg/L
2009/03/09	Sodium	2010/12/01	92.1	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	2010/12/13	0.001	mg/L	No

WICKWAS TREATED PUMPHOUSE

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
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Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Mercury				
Selenium				
Uranium				
Nitrite	2010/03/19	0.05	mg/L	No
	2010/06/16	0.05	mg/L	No
	2010/09/15	0.03	mg/L	No
	2010/12/15	0.05	mg/L	No
Nitrate	2010/03/19	0.6	mg/L	No
	2010/06/16	0.52	mg/L	No
	2010/09/15	0.83	mg/L	No
	2010/12/15	0.89	mg/L	No
Sodium	2010/09/15	67.30	mg/L	Yes
	2010/09/29	61.00	mg/L	Yes

Summary of lead testing under Schedule 15.1 during this reporting period.

Location Type	Number of Samples	Range of Lead Results (min#) - (max#)	Number of Exceedances
Plumbing	20	0.001 - 0.095 mg/L	7
Distribution	12	0.001 - 0.0017 mg/L	0

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)	2010	0.0010	mg/L	No

WICKWAS TREATED PUMPHOUSE

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				

Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Linadane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

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
Lead	0.0095	mg/L	2010/10/20

(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)