

OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	220003519
Drinking-Water System Name:	Onaping Potable Water Supply
Drinking-Water System Owner:	Xstrata Nickel, Sudbury Mines/Mill
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2007 – December 31, 2007

<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 [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</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>City of Greater Sudbury Website: WWW.city.greatersudbury.on.ca</p> <p>Can also be obtained through Xstrata Nickel Mines/Mill- Environment & Occ. Hygiene Services At (705) 966-3411 ext 6426 or 6697</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: []</p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: []</p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</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
Onaping Distribution Works	260006503

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 []

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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 Onaping Potable Water System (OPWS) was constructed in 1971. This system uses chlorine gas injection for disinfection. The Operators of the water supply system are licensed Water Distribution System Level III Operators. The water is supplied to the Town of Onaping, which is within the City of Greater Sudbury, and to Xstrata Nickel's Craig Mine. A 1000 cubic meter storage tank located in the Townsite of Onaping is used to maintain water pressure throughout the system and to store sufficient water for use during peak demand hours. Water for the OPWS is pumped from two groundwater wells. The pumps operate automatically to maintain a minimum level in the potable water storage tank. The water supply is constant and of excellent quality.

List all water treatment chemicals used over this reporting period

Chlorine gas

Were any significant expenses incurred to?

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

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
1/25/2007	High turbidity	>1.0	NTU	Sample location changed and re-training.	1/30/2007
7/23/2007	Total Coliform	1	CFU	Re-sample and chlorine concentration verification.	1/24/2007

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number	Range of E.Coli	Range of Total	Number	Range of HPC

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	of Samples	Or Fecal Results (min #)-(max #)	Coliform Results (min #)-(max #)	of HPC Samples	Results (min #)-(max #)
Raw	104	0	0	0	n/a
Treated	104	0	0	104	0-70
Distribution	52	0	0-1	52	0-10

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 #)
Turbidity	8760	0.022-0.133
Chlorine	8760	0.72-1.13
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	1/25/2007	0.2 <MDL	µg/L	
Arsenic	1/25/2007	0.2 <MDL	µg/L	
Barium	1/25/2007	76.5	µg/L	
Boron	1/25/2007	11.5	µg/L	
Cadmium	1/25/2007	0.06 <MDL	µg/L	
Chromium	1/25/2007	1.15	µg/L	
Lead @ Distribution	1/25/2007	0.02 <MDL	µg/L	
Mercury	1/25/2007	0.02 <MDL	µg/L	
Selenium	1/25/2007	1 <MDL	µg/L	
Sodium	1/25/2007	71.5		
Uranium	1/25/2007	0.14	µg/L	
Fluoride	1/25/2007	0.06		
Nitrite	1/25/2007	0.007		
Nitrate	1/25/2007	0.559		

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	1/25/2007	0.11 <MDL	µg/L	
Aldicarb	1/25/2007	0.30 <MDL	µg/L	
Aldrin + Dieldrin	1/25/2007	0.067 <MDL	µg/L	
Atrazine + N-dealkylated metabolites	1/25/2007	0.12 <MDL	µg/L	
Azinphos-methyl	1/25/2007	0.21 <MDL	µg/L	
Bendiocarb	1/25/2007	0.13 <MDL	µg/L	
Benzene	1/25/2007	0.37 <MDL	µg/L	
Benzo(a)pyrene	1/25/2007	0.004 <MDL	µg/L	
Bromoxynil	1/25/2007	0.33 <MDL	µg/L	
Carbaryl	1/25/2007	0.16 <MDL	µg/L	
Carbofuran	1/25/2007	0.37 <MDL	µg/L	
Carbon Tetrachloride	1/25/2007	0.41 <MDL	µg/L	
Chlordane (Total)	1/25/2007	0.11 <MDL	µg/L	
Chlorpyrifos	1/25/2007	0.18 <MDL	µg/L	
Cyanazine	1/25/2007	0.18 <MDL	µg/L	
Diazinon	1/25/2007	0.081 <MDL	µg/L	
Dicamba	1/25/2007	0.20 <MDL	µg/L	
1,2-Dichlorobenzene	1/25/2007	0.50 <MDL	µg/L	
1,4-Dichlorobenzene	1/25/2007	0.21 <MDL	µg/L	
Dichlorodiphenyltrichloroethane (DDT) + metabolites	1/25/2007	0.14 <MDL	µg/L	
1,2-Dichloroethane	1/25/2007	0.43 <MDL	µg/L	
1,1-Dichloroethylene (vinylidene chloride)	1/25/2007	0.41 <MDL	µg/L	
Dichloromethane	1/25/2007	0.43 <MDL	µg/L	
2-4 Dichlorophenol	1/25/2007	0.15 <MDL	µg/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	1/25/2007	0.19 <MDL	µg/L	
Diclofop-methyl	1/25/2007	0.40 <MDL	µg/L	
Dimethoate	1/25/2007	0.12 <MDL	µg/L	
Dinoseb	1/25/2007	0.36 <MDL	µg/L	
Diquat	1/25/2007	1 <MDL	µg/L	
Diuron	1/25/2007	0.087 <MDL	µg/L	
Glyphosate	1/25/2007	6 <MDL	µg/L	
Heptachlor + Heptachlor Epoxide	1/25/2007	0.11 <MDL	µg/L	
Lindane (Total)	1/25/2007	0.056 <MDL	µg/L	
Malathion	1/25/2007	0.091 <MDL	µg/L	
Methoxychlor	1/25/2007	0.14 <MDL	µg/L	
Metolachlor	1/25/2007	0.092 <MDL	µg/L	
Metribuzin	1/25/2007	0.12 <MDL	µg/L	
Monochlorobenzene	1/25/2007	0.58 <MDL	µg/L	

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Paraquat	1/25/2007	1 <MDL	µg/L	
Parathion	1/25/2007	0.18 <MDL	µg/L	
Pentachlorophenol	1/25/2007	0.15 <MDL	µg/L	
Phorate	1/25/2007	0.11 <MDL	µg/L	
Picloram	1/25/2007	0.25 <MDL	µg/L	
Polychlorinated Biphenyls(PCB)	1/25/2007	0.04 <MDL	µg/L	
Prometryne	1/25/2007	0.23 <MDL	µg/L	
Simazine	1/25/2007	0.15 <MDL	µg/L	
THM @ Distribution (NOTE: show latest annual average)	1/25/2007	4.9	µg/L	
Temephos	1/25/2007	0.31 <MDL	µg/L	
Terbufos	1/25/2007	0.12 <MDL	µg/L	
Tetrachloroethylene	1/25/2007	0.45 <MDL	µg/L	
2,3,4,6-Tetrachlorophenol	1/25/2007	0.14 <MDL	µg/L	
Triallate	1/25/2007	0.10 <MDL	µg/L	
Trichloroethylene	1/25/2007	0.38 <MDL	µg/L	
2,4,6-Trichlorophenol	1/25/2007	0.25 <MDL	µg/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	1/25/2007	0.22 <MDL	µg/L	
Trifluralin	1/25/2007	0.12 <MDL	µg/L	
Vinyl Chloride	1/25/2007	0.17 <MDL	µg/L	

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