

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

<b>Drinking-Water System Number:</b>	240000020
<b>Drinking-Water System Name:</b>	Falconbridge Water Works
<b>Drinking-Water System Owner:</b>	Xstrata Nickel Limited - Sudbury Smelter Business Unit
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2008 – December 31, 2008

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></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 [ ] No [X]</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;">                 Xstrata Nickel Ltd. - Sudbury Smelter Business Unit                  1 Longyear Road North                  Falconbridge, Ontario                  P0M 1S0             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <input style="width: 100px; height: 20px;" type="text"/></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: <input style="width: 100px; height: 20px;" type="text"/></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
Town of Falconbridge Distribution	260006477

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 [ ]

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/Community Channel

Public access/notice via Public Request

Public access/notice via a Public Library

Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

**Pumphouse No. 7 and Treatment Building is located on Old Poupore Road, 10 km north of the Town of Falconbridge. Groundwater from three wells (No. 5, 6 and 7) is pumped to the treatment building and disinfected with chlorine gas. C-9 is added as a corrosion inhibitor before it enters the distribution system. Water is supplied south to the Town of Falconbridge and north via the Western Main to the Nickel Rim Reservoir.**

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

Chlorine Gas - Disinfection  
C-9 - Corrosion Inhibitor

**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**

1. Install Magnetic Flow Meter for deep well - \$2560.91

**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
May 25-2007	Turbidity	>1.0	NTU	Report/check equipment	May 25-2007
Dec 12-2007	Total coliform	1	Cnt/100mL	resample	Dec 17-2007

**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 /Background Samples	Range of HPC Results (min #)-(max #)
Raw	146	0-0	0-0		
Treated	53	0-0	0-0	53	0 - 17
Distribution	159	0-0	0-0	159	0 -132

**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 (Treated)	8760	0.023-2.318 NTU
Chlorine (Plant)	8760	0.314-3.148
Chlorine (Dist)	8760	0.001-4.614
Turbidity (Well 5)	12	0.13–0.62 NTU
Turbidity (Well 6)	12	0.12–0.44 NTU
Turbidity (Well 7)	12	0.14–0.74 NTU

*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
N/A				

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

Parameter	Sample Date (mm/dd/yyyy)	Result Value	Unit of Measure	Exceedance
Antimony	01/26/2006	< 0.6	ug/L	No
Arsenic	01/26/2006	3	ug/L	No
Barium	01/26/2006	7	ug/L	No
Boron	01/26/2006	6	ug/L	No
Cadmium	01/26/2006	< 0.1	ug/L	No
Chromium	01/26/2006	< 3	ug/L	No
Lead (Dist)	N/A			
Mercury	01/26/2006	< 0.02	ug/L	No

<b>Selenium</b>	01/26/2006	< 3	ug/L	No
<b>Sodium</b>	04/11/2006	20.3	mg/L	Yes
<b>Uranium</b>	01/26/2006	0.19	ug/L	No
<b>Fluoride</b>	01/26/2006	< 0.06	mg/L	No
<b>Nitrite</b>	10/07/2008	< 0.005	mg/L	No
<b>Nitrate</b>	10/07/2008	0.289	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)

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of Lead Results (min#) – (max #)</b>	<b>Unit of Measure</b>	<b>Number of Exceedances</b>
<b>Plumbing</b>	N/A			
<b>Distribution</b>	N/A			

**MAC for Lead: 10 ug/L**

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of pH Results (min#) – (max #)</b>	<b>Range of Alkalinity Results mg/L as CaCO<sub>3</sub> (min#) – (max#)</b>
<b>Plumbing</b>	N/A		
<b>Distribution</b>	N/A		

\*Lead sampling was not conducted by OCWA.

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

<b>Parameter</b>	<b>Sample Date (mm/dd/yyyy)</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	01/26/2006	< 0.11	ug/L	No
<b>Aldicarb</b>	01/26/2006	< 0.30	ug/L	No
<b>Aldrin + Dieldrin</b>	01/26/2006	< 0.067	ug/L	No
<b>Atrazine + N-dealkylated metabolites</b>	01/26/2006	< 0.12	ug/L	No
<b>Azinphos-methyl</b>	01/26/2006	< 0.21	ug/L	No
<b>Bendiocarb</b>	01/26/2006	< 0.13	ug/L	No
<b>Benzene</b>	01/26/2006	< 0.37	ug/L	No
<b>Benzo(a)pyrene</b>	01/26/2006	< 0.004	ug/L	No
<b>Bromoxynil</b>	01/26/2006	< 0.094	ug/L	No
<b>Carbaryl</b>	01/26/2006	< 0.16	ug/L	No
<b>Carbofuran</b>	01/26/2006	< 0.37	ug/L	No
<b>Carbon Tetrachloride</b>	01/26/2006	< 0.26	ug/L	No
<b>Chlordane (Total)</b>	01/26/2006	< 0.11	ug/L	No

Chlorpyrifos	01/26/2006	< 0.18	ug/L	No
Cyanazine	01/26/2006	< 0.18	ug/L	No
Diazinon	01/26/2006	< 0.081	ug/L	No
Dicamba	01/26/2006	< 0.17	ug/L	No
1,2-Dichlorobenzene	01/26/2006	< 0.50	ug/L	No
1,4-Dichlorobenzene	01/26/2006	< 0.20	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/26/2006	< 0.14	ug/L	No
1,2-Dichloroethane	01/26/2006	< 0.43	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	01/26/2006	< 0.41	ug/L	No
Dichloromethane	01/26/2006	< 0.32	ug/L	No
2-4 Dichlorophenol	01/26/2006	< 0.15	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/26/2006	< 0.19	ug/L	No
Diclofop-methyl	01/26/2006	< 0.13	ug/L	No
Dimethoate	01/26/2006	< 0.12	ug/L	No
Dinoseb	01/26/2006	< 0.084	ug/L	No
Diquat	01/26/2006	< 1	ug/L	No
Diuron	01/26/2006	< 0.087	ug/L	No
Glyphosate	01/26/2006	< 6	ug/L	No
Heptachlor + Heptachlor Epoxide	01/26/2006	< 0.11	ug/L	No
Lindane (Total)	01/26/2006	< 0.056	ug/L	No
Malathion	01/26/2006	< 0.091	ug/L	No
Methoxychlor	01/26/2006	< 0.14	ug/L	No
Metolachlor	01/26/2006	< 0.092	ug/L	No
Metribuzin	01/26/2006	< 0.12	ug/L	No
Monochlorobenzene	01/26/2006	< 0.58	ug/L	No
Paraquat	01/26/2006	< 1	ug/L	No
Parathion	01/26/2006	< 0.18	ug/L	No
Pentachlorophenol	01/26/2006	< 0.15	ug/L	No
Phorate	01/26/2006	< 0.11	ug/L	No
Picloram	01/26/2006	< 0.20	ug/L	No
Polychlorinated Biphenyls(PCB)	01/26/2006	< 0.04	ug/L	No
Prometryne	01/26/2006	< 0.23	ug/L	No
Simazine	01/26/2006	< 0.15	ug/L	No
THM (Dist) (NOTE: show latest annual average)	2008 Avg.	4.325	ug/L	No
Temephos	01/26/2006	< 0.31	ug/L	No
Terbufos	01/26/2006	< 0.12	ug/L	No
Tetrachloroethylene	01/26/2006	< 0.45	ug/L	No
2,3,4,6-Tetrachlorophenol	01/26/2006	< 0.14	ug/L	No
Triallate	01/26/2006	< 0.10	ug/L	No
Trichloroethylene	01/26/2006	< 0.38	ug/L	No
2,4,6-Trichlorophenol	01/26/2006	< 0.25	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	01/26/2006	< 0.14	ug/L	No

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Trifluralin	01/26/2006	< 0.12	ug/L	No
Vinyl Chloride	01/26/2006	< 0.14	ug/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
Sodium	20.3	mg/L	April 11, 2006

**(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)**