



2024
Annual Water Quality
Data Report



2024 Annual Water Quality Report

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Section 1

Dowling Drinking Water System

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	210001665
Drinking-Water System	Dowling Drinking Water System
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

<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</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
NA	

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

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

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** City of Greater Sudbury Social Media Platforms

Describe your Drinking-Water System

The Dowling Drinking Water System encompasses all municipal water distribution within Dowling. The system includes Dowling Well #1 (Riverside) located on Riverside Dr., Dowling Well #2 (Lionel) located on Lionel Avenue and the Dowling Tank located off of Hwy. 144. Each of the wells is housed in individual structures. The wells pump water from an unconfined aquifer within a primarily sand and gravel formation. The discharge at each well site undergoes primary treatment in the form of Ultra-Violet irradiation, secondary disinfection by chlorination, and fluoridation before it enters the distribution system. Continuous analyzers for free chlorine residual, fluoride, turbidity and UV equipment are monitored by an onsite PLC. A standby power generator with an automatic transfer switch is located at Lionel well. The distribution system includes an online continuous free chlorine analyzer. 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

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

Chlorine analyser replacement \$ 10,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
166531	2024/10/02	Sodium	43.6	mg/L	Monitor	2024/10/03

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: LIONEL WELL#2					
	53	0 to 0	0 to 97		
Raw: RIVERSIDE WELL#1					
	39	0 to 0	0 to 39		
Treated: LIONEL WELL					
	53	0 to 0	0 to 0	52	10 to 20
Treated: RIVERSIDE WELL					
	39	0 to 0	0 to 0	37	10 to 100
Distribution					
	159	0 to 0	0 to 0	42	10 to 20

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	0.41 - 1.54

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

LIONEL WELL

Turbidity	8,760	0.00 - 1.13	NTU
Chlorine	8,760	0.15 - 3.30	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 0.93	mg/L

RIVERSIDE WELL

Turbidity	8,760	0.04 - 0.60	NTU
Chlorine	8,760	0.92 - 3.94	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.10	mg/L

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
NA				

LIONEL WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/12/04	0.0005	mg/L	No
Arsenic	2024/12/04	0.001	mg/L	No
Barium	2024/12/04	0.022	mg/L	No
Boron	2024/12/04	0.01	mg/L	No
Cadmium	2024/12/04	0.0001	mg/L	No
Chromium	2024/12/04	0.001	mg/L	No
Mercury	2024/12/04	0.0001	mg/L	No
Selenium	2024/12/04	0.0003	mg/L	No
Uranium	2024/12/04	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No

Nitrate	2024/03/05	1	mg/L	No
	2024/06/04	0.69	mg/L	No
	2024/09/03	0.72	mg/L	No
	2024/12/04	0.59	mg/L	No
Sodium	2024/12/04	31.90	mg/L	Yes

RIVERSIDE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/12/04	0.0005	mg/L	No
Arsenic	2024/12/04	0.001	mg/L	No
Barium	2024/12/04	0.019	mg/L	No
Boron	2024/12/04	0.005	mg/L	No
Cadmium	2024/12/04	0.0001	mg/L	No
Chromium	2024/12/04	0.002	mg/L	No
Mercury	2024/12/04	0.0001	mg/L	No
Selenium	2024/12/04	0.0002	mg/L	No
Uranium	2024/12/04	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No
Nitrate	2024/03/05	0.841	mg/L	No
	2024/12/04	0.78	mg/L	No
Sodium	2024/12/04	40.10	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	NA		
Distribution	5	0.00027 - 0.0016 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)	2024	0.0118	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.008	mg/L	No

LIONEL WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
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Alachlor	2024/12/04	0.000285	mg/L	No
Atrazine + N-dealkylated metabolites	2024/12/04	0.0005	mg/L	No
Azinphos-methyl	2024/12/04	0.000214	mg/L	No
Benzene	2024/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2024/12/04	0.00001	mg/L	No
Bromoxynil	2024/12/04	0.000108	mg/L	No
Carbaryl	2024/12/04	0.002	mg/L	No
Carbofuran	2024/12/04	0.004	mg/L	No
Carbon Tetrachloride	2024/12/04	0.0002	mg/L	No
Chlorpyrifos	2024/12/04	0.000214	mg/L	No
Diazinon	2024/12/04	0.000214	mg/L	No
Dicamba	2024/12/04	0.0000943	mg/L	No
1,2-Dichlorobenzene	2024/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2024/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2024/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2024/12/04	0.0003	mg/L	No
Dichloromethane	2024/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2024/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024/12/04	0.000404	mg/L	No
Diclofop-methyl	2024/12/04	0.000135	mg/L	No
Dimethoate	2024/12/04	0.000214	mg/L	No
Diquat	2024/12/04	0.0002	mg/L	No
Diuron	2024/12/04	0.007	mg/L	No
Glyphosate	2024/12/04	0.02	mg/L	No
Malathion	2024/12/04	0.000214	mg/L	No
Metolachlor	2024/12/04	0.000143	mg/L	No
Metribuzin	2024/12/04	0.000143	mg/L	No
Monochlorobenzene	2024/12/04	0.0005	mg/L	No
Paraquat	2024/12/04	0.0002	mg/L	No
Pentachlorophenol	2024/12/04	0.0003	mg/L	No
Phorate	2024/12/04	0.000143	mg/L	No
Picloram	2024/12/04	0.0000943	mg/L	No
Polychlorinated Biphenyls(PCB)	2024/12/04	0.00006	mg/L	No
Prometryne	2024/12/04	0.0000714	mg/L	No
Simazine	2024/12/04	0.000214	mg/L	No
Terbufos	2024/12/04	0.000143	mg/L	No
Tetrachloroethylene	2024/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2024/12/04	0.0003	mg/L	No
Triallate	2024/12/04	0.000143	mg/L	No
Trichloroethylene	2024/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2024/12/04	0.0002	mg/L	No
Trifluralin	2024/12/04	0.000143	mg/L	No
Vinyl Chloride	2024/12/04	0.0001	mg/L	No
MCPA	2024/12/04	0.00673	mg/L	No

RIVERSIDE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2024/12/04	0.000276	mg/L	No
Atrazine + N-dealkylated metabolites	2024/12/04	0.0005	mg/L	No
Azinphos-methyl	2024/12/04	0.000207	mg/L	No
Benzene	2024/12/04	0.0001	mg/L	No

Benzo(a)pyrene	2024/12/04	0.00001	mg/L	No
Bromoxynil	2024/12/04	0.000104	mg/L	No
Carbaryl	2024/12/04	0.002	mg/L	No
Carbofuran	2024/12/04	0.004	mg/L	No
Carbon Tetrachloride	2024/12/04	0.0002	mg/L	No
Chlorpyrifos	2024/12/04	0.000207	mg/L	No
Diazinon	2024/12/04	0.000207	mg/L	No
Dicamba	2024/12/04	0.0000911	mg/L	No
1,2-Dichlorobenzene	2024/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2024/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2024/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2024/12/04	0.0003	mg/L	No
Dichloromethane	2024/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2024/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024/12/04	0.00039	mg/L	No
Diclofop-methyl	2024/12/04	0.00013	mg/L	No
Dimethoate	2024/12/04	0.000207	mg/L	No
Diquat	2024/12/04	0.0002	mg/L	No
Diuron	2024/12/04	0.007	mg/L	No
Glyphosate	2024/12/04	0.02	mg/L	No
Malathion	2024/12/04	0.000207	mg/L	No
Metolachlor	2024/12/04	0.000138	mg/L	No
Metribuzin	2024/12/04	0.000138	mg/L	No
Monochlorobenzene	2024/12/04	0.0005	mg/L	No
Paraquat	2024/12/04	0.0002	mg/L	No
Pentachlorophenol	2024/12/04	0.0003	mg/L	No
Phorate	2024/12/04	0.000138	mg/L	No
Picloram	2024/12/04	0.0000911	mg/L	No
Polychlorinated Biphenyls(PCB)	2024/12/04	0.00006	mg/L	No
Prometryne	2024/12/04	0.000069	mg/L	No
Simazine	2024/12/04	0.000207	mg/L	No
Terbufos	2024/12/04	0.000138	mg/L	No
Tetrachloroethylene	2024/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2024/12/04	0.0003	mg/L	No
Triallate	2024/12/04	0.000138	mg/L	No
Trichloroethylene	2024/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2024/12/04	0.0002	mg/L	No
Trifluralin	2024/12/04	0.000138	mg/L	No
Vinyl Chloride	2024/12/04	0.0001	mg/L	No
MCPA	2024/12/04	0.0065	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	UOM	Date of Sample	Location
NA				

(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)



Section 2

Falconbridge Drinking Water System

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	240000020
Drinking-Water System	Falconbridge Well Supply
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

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

Is your annual report available to the public at no charge on a web site on the Internet? Yes No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

www.greatersudbury.ca

Complete for all other Categories.

Number of Designated Facilities served:

0

Did you provide a copy of your annual report to all Designated Facilities you serve?

Yes No

Number of Interested Authorities you report to:

0

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?

Yes No

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
NA	

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

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

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 City of Greater Sudbury Social media platforms**

Describe your Drinking-Water System

The Falconbridge system consists of three drilled wells, Numbers 5, 6, and 7, located north of the Sudbury Airport. All three wells share a common treatment building that includes a stand-by power generator, chlorine gas for disinfection and chemical addition for corrosion control. Continuous analyzers for free chlorine residual and turbidity are monitored by an onsite PLC. Fluoride is added to the water before it enters the Falconbridge Municipal distribution system at a designated fluoridation building. Water is supplied south to the Town of Falconbridge and north to the Nickel Rim Mine reservoir and the Sudbury Airport. The remainder of the system consists of an Elevated Storage Tank, Booster Pumping Station and a Pressure Regulating Valve, all located within the town of Falconbridge. The City provides water to Glencore and two industrial clients along the South transmission line. The distribution system includes an online continuous free chlorine analyzer and fluoride analyzer. 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, Polyphosphate, Hydrofluosilicic Acid 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

NA

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
NA						

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: FALCONBRIDGE WELL #5					
	53	0 to 0	0 to 0		
Raw: FALCONBRIDGE WELL #6					
	53	0 to 0	0 to 0		
Raw: FALCONBRIDGE WELL #7					
	53	0 to 0	0 to 0		
Treated: FALCONBRIDGE WELL #5					
	52	0 to 0	0 to 0	52	10 to 10
Treated: FALCONBRIDGE WELL #6					
	52	0 to 0	0 to 0	52	10 to 10
Treated: FALCONBRIDGE WELL #7					
	52	0 to 0	0 to 0	52	10 to 10
Distribution					
	212	0 to 0	0 to 0	54	10 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	0.05 - 3.74

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

FALCONBRIDGE WELLS TREATED

Turbidity	8,760	0.00 - 5.34	NTU
Chlorine	8,760	0.57 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.49	mg/L

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
NA				

FALCONBRIDGE WELL #5

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/04	0.0005	mg/L	No
Arsenic	2023/12/04	0.0023	mg/L	No
Barium	2023/12/04	0.0059	mg/L	No
Boron	2023/12/04	0.002	mg/L	No
Cadmium	2023/12/04	0.0001	mg/L	No
Chromium	2023/12/04	0.002	mg/L	No
Mercury	2023/12/04	0.0001	mg/L	No
Selenium	2023/12/04	0.00078	mg/L	No
Uranium	2023/12/04	0.001	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/06	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/04	0.25	mg/L	No
	2024/06/06	0.05	mg/L	No
	2024/09/03	0.18	mg/L	No
	2024/12/03	0.12	mg/L	No
Sodium	2021/02/22	23.10	mg/L	Yes

FALCONBRIDGE WELL #6

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/04	0.0005	mg/L	No
Arsenic	2023/12/04	0.0017	mg/L	No
Barium	2023/12/04	0.0071	mg/L	No
Boron	2023/12/04	0.002	mg/L	No
Cadmium	2023/12/04	0.0001	mg/L	No
Chromium	2023/12/04	0.0016	mg/L	No
Mercury	2023/12/04	0.0001	mg/L	No
Selenium	2023/12/04	0.00039	mg/L	No
Uranium	2023/12/04	0.001	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/06	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/04	0.15	mg/L	No
	2024/06/06	0.06	mg/L	No
	2024/09/03	0.14	mg/L	No
	2024/12/03	0.13	mg/L	No
Sodium	2021/02/22	22.30	mg/L	Yes

FALCONBRIDGE WELL #7

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/04	0.0005	mg/L	No
Arsenic	2023/12/04	0.004	mg/L	No
Barium	2023/12/04	0.0055	mg/L	No
Boron	2023/12/04	0.002	mg/L	No
Cadmium	2023/12/04	0.0001	mg/L	No
Chromium	2023/12/04	0.002	mg/L	No
Mercury	2023/12/04	0.0001	mg/L	No
Selenium	2023/12/04	0.0002	mg/L	No
Uranium	2023/12/04	0.001	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/06	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/04	0.05	mg/L	No
	2024/06/06	0.05	mg/L	No
	2024/09/03	0.08	mg/L	No
	2024/12/03	0.06	mg/L	No
Sodium	2021/02/22	25.60	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	NA		
Distribution	NA		

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)	2024	0.0047	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.011	mg/L	No

FALCONBRIDGE WELL #5

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/04	0.000224	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/04	0.0005	mg/L	No
Azinphos-methyl	2023/12/04	0.000168	mg/L	No
Benzene	2023/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/04	0.00001	mg/L	No
Bromoxnyl	2023/12/04	0.000094	mg/L	No
Carbaryl	2023/12/04	0.002	mg/L	No
Carbofuran	2023/12/04	0.003	mg/L	No
Carbon Tetrachloride	2023/12/04	0.0002	mg/L	No
Chlorpyrifos	2023/12/04	0.000168	mg/L	No
Diazinon	2023/12/04	0.000168	mg/L	No
Dicamba	2023/12/04	0.0000823	mg/L	No
1,2-Dichlorobenzene	2023/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/04	0.0003	mg/L	No
Dichloromethane	2023/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/04	0.000353	mg/L	No
Diclofop-methyl	2023/12/04	0.000118	mg/L	No
Dimethoate	2023/12/04	0.000168	mg/L	No
Diquat	2023/12/04	0.0002	mg/L	No
Diuron	2023/12/04	0.01	mg/L	No
Glyphosate	2023/12/04	0.02	mg/L	No
Malathion	2023/12/04	0.000168	mg/L	No
Metolachlor	2023/12/04	0.000112	mg/L	No
Metribuzin	2023/12/04	0.000112	mg/L	No
Monochlorobenzene	2023/12/04	0.0005	mg/L	No

Paraquat	2023/12/04	0.0002	mg/L	No
Pentachlorophenol	2023/12/04	0.0003	mg/L	No
Phorate	2023/12/04	0.000112	mg/L	No
Picloram	2023/12/04	0.0000823	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/04	0.00007	mg/L	No
Prometryne	2023/12/04	0.000056	mg/L	No
Simazine	2023/12/04	0.000168	mg/L	No
Terbufos	2023/12/04	0.000112	mg/L	No
Tetrachloroethylene	2023/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/04	0.0002	mg/L	No
Triallate	2023/12/04	0.000112	mg/L	No
Trichloroethylene	2023/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/04	0.0002	mg/L	No
Trifluralin	2023/12/04	0.000112	mg/L	No
Vinyl Chloride	2023/12/04	0.0001	mg/L	No
MCPA	2023/12/04	0.00588	mg/L	No

FALCONBRIDGE WELL #6

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/04	0.000239	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/04	0.0005	mg/L	No
Azinphos-methyl	2023/12/04	0.000179	mg/L	No
Benzene	2023/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/04	0.000009	mg/L	No
Bromoxynil	2023/12/04	0.0000954	mg/L	No
Carbaryl	2023/12/04	0.002	mg/L	No
Carbofuran	2023/12/04	0.004	mg/L	No
Carbon Tetrachloride	2023/12/04	0.0002	mg/L	No
Chlorpyrifos	2023/12/04	0.000179	mg/L	No
Diazinon	2023/12/04	0.000179	mg/L	No
Dicamba	2023/12/04	0.0000834	mg/L	No
1,2-Dichlorobenzene	2023/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/04	0.0003	mg/L	No
Dichloromethane	2023/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/04	0.000358	mg/L	No
Diclofop-methyl	2023/12/04	0.000119	mg/L	No
Dimethoate	2023/12/04	0.000179	mg/L	No
Diquat	2023/12/04	0.0002	mg/L	No
Diuron	2023/12/04	0.01	mg/L	No
Glyphosate	2023/12/04	0.02	mg/L	No
Malathion	2023/12/04	0.000179	mg/L	No
Metolachlor	2023/12/04	0.000119	mg/L	No
Metribuzin	2023/12/04	0.000119	mg/L	No
Monochlorobenzene	2023/12/04	0.0005	mg/L	No
Paraquat	2023/12/04	0.0002	mg/L	No
Pentachlorophenol	2023/12/04	0.0003	mg/L	No
Phorate	2023/12/04	0.000119	mg/L	No
Picloram	2023/12/04	0.0000834	mg/L	No

Polychlorinated Biphenyls(PCB)	2023/12/04	0.00008	mg/L	No
Prometryne	2023/12/04	0.0000597	mg/L	No
Simazine	2023/12/04	0.000179	mg/L	No
Terbufos	2023/12/04	0.000119	mg/L	No
Tetrachloroethylene	2023/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/04	0.0003	mg/L	No
Triallate	2023/12/04	0.000119	mg/L	No
Trichloroethylene	2023/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/04	0.0002	mg/L	No
Trifluralin	2023/12/04	0.000119	mg/L	No
Vinyl Chloride	2023/12/04	0.0001	mg/L	No
MCPA	2023/12/04	0.00596	mg/L	No

FALCONBRIDGE WELL #7

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/04	0.000225	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/04	0.0005	mg/L	No
Azinphos-methyl	2023/12/04	0.000169	mg/L	No
Benzene	2023/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/04	0.000009	mg/L	No
Bromoxynil	2023/12/04	0.0000925	mg/L	No
Carbaryl	2023/12/04	0.002	mg/L	No
Carbofuran	2023/12/04	0.004	mg/L	No
Carbon Tetrachloride	2023/12/04	0.0002	mg/L	No
Chlorpyrifos	2023/12/04	0.000169	mg/L	No
Diazinon	2023/12/04	0.000169	mg/L	No
Dicamba	2023/12/04	0.0000809	mg/L	No
1,2-Dichlorobenzene	2023/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/04	0.0003	mg/L	No
Dichloromethane	2023/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/04	0.000347	mg/L	No
Diclofop-methyl	2023/12/04	0.000116	mg/L	No
Dimethoate	2023/12/04	0.000169	mg/L	No
Diquat	2023/12/04	0.0002	mg/L	No
Diuron	2023/12/04	0.01	mg/L	No
Glyphosate	2023/12/04	0.02	mg/L	No
Malathion	2023/12/04	0.000169	mg/L	No
Metolachlor	2023/12/04	0.000113	mg/L	No
Metribuzin	2023/12/04	0.000113	mg/L	No
Monochlorobenzene	2023/12/04	0.0005	mg/L	No
Paraquat	2023/12/04	0.0002	mg/L	No
Pentachlorophenol	2023/12/04	0.0003	mg/L	No
Phorate	2023/12/04	0.000113	mg/L	No
Picloram	2023/12/04	0.0000809	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/04	0.00006	mg/L	No
Prometryne	2023/12/04	0.0000563	mg/L	No
Simazine	2023/12/04	0.000169	mg/L	No
Terbufos	2023/12/04	0.000113	mg/L	No

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

Tetrachloroethylene	2023/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/04	0.0003	mg/L	No
Triallate	2023/12/04	0.000113	mg/L	No
Trichloroethylene	2023/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/04	0.0002	mg/L	No
Trifluralin	2023/12/04	0.000113	mg/L	No
Vinyl Chloride	2023/12/04	0.0001	mg/L	No
MCPA	2023/12/04	0.00578	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	UOM	Date of Sample	Location
NA				

(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)



Section 3

Onaping/Levack Drinking Water System

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 2024-01-01 To 2024-12-31

<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</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
NA	

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

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

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** City of Greater Sudbury social media platforms

Describe your Drinking-Water System

The Onaping/Levack system includes three drilled wells, Numbers 3, 4 and 5 with a common treatment building. The treatment building provides chlorine gas injection for disinfection, fluoridation, chemical addition for corrosion control, Sodium Hydroxide for pH control and a stand-by power generator. Continuous analyzers for free chlorine residual, fluoride, turbidity and pH are monitored by an onsite PLC. The system is equipped with an elevated storage tank having re-chlorination capabilities, a Pressure Control /Booster building with stand-by power, a pressure sustaining valve, a distribution online continuous free chlorine analyzer and the distribution piping. 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, Sodium Hydroxide UN#1824

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

NA

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
166900	2024/11/19	HFS Analyzer	no flow		adjust flow to analyser	2024/11/20

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					
	53	0 to 0	0 to 0		
Raw: WICKWAS WELL #4					
	53	0 to 0	0 to 0		
Raw: WICKWAS WELL #5					
	44	0 to 0	0 to 1		
Treated: WICKWAS TREATED PUMPHOUSE					
	53	0 to 0	0 to 0	53	10 to 10
Distribution					
	159	0 to 0	0 to 0	42	10 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	0.05 - 2.45

***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	0.73 - 2.66	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.05 - 1.38	mg/L

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	2024/01/03	84.3	mg/L
2009/03/09	Sodium	2024/01/03	85.7	mg/L
2009/03/09	Sodium	2024/01/03	105	mg/L
2009/03/09	Sodium	2024/02/06	72.3	mg/L
2009/03/09	Sodium	2024/02/06	68.3	mg/L
2009/03/09	Sodium	2024/02/06	90.1	mg/L
2009/03/09	Sodium	2024/03/05	75.8	mg/L
2009/03/09	Sodium	2024/03/05	72	mg/L
2009/03/09	Sodium	2024/03/05	78.8	mg/L
2009/03/09	Sodium	2024/03/05	70	mg/L
2009/03/09	Sodium	2024/04/02	73	mg/L
2009/03/09	Sodium	2024/04/02	78.6	mg/L
2009/03/09	Sodium	2024/05/07	67.6	mg/L
2009/03/09	Sodium	2024/05/07	71.4	mg/L
2009/03/09	Sodium	2024/05/07	79.2	mg/L
2009/03/09	Sodium	2024/06/04	68.5	mg/L
2009/03/09	Sodium	2024/06/04	64.9	mg/L
2009/03/09	Sodium	2024/06/04	79.4	mg/L
2009/03/09	Sodium	2024/06/04	68.7	mg/L
2009/03/09	Sodium	2024/06/04	65.7	mg/L
2009/03/09	Sodium	2024/06/04	77.4	mg/L
2009/03/09	Sodium	2024/07/02	77.3	mg/L
2009/03/09	Sodium	2024/07/02	72.3	mg/L
2009/03/09	Sodium	2024/07/02	93.2	mg/L
2009/03/09	Sodium	2024/08/13	76.9	mg/L
2009/03/09	Sodium	2024/08/13	90.3	mg/L
2009/03/09	Sodium	2024/08/13	78	mg/L
2009/03/09	Sodium	2024/09/03	81.2	mg/L
2009/03/09	Sodium	2024/09/03	78.4	mg/L
2009/03/09	Sodium	2024/09/03	101	mg/L
2009/03/09	Sodium	2024/09/03	82	mg/L
2009/03/09	Sodium	2024/09/03	78.9	mg/L
2009/03/09	Sodium	2024/09/03	98	mg/L
2009/03/09	Sodium	2024/10/02	77.3	mg/L
2009/03/09	Sodium	2024/10/02	77.3	mg/L
2009/03/09	Sodium	2024/10/02	99.8	mg/L
2009/03/09	Sodium	2024/11/05	78.6	mg/L
2009/03/09	Sodium	2024/11/05	101	mg/L
2009/03/09	Sodium	2024/11/05	75.4	mg/L
2009/03/09	Sodium	2024/12/04	80.5	mg/L
2009/03/09	Sodium	2024/12/04	87.7	mg/L
2009/03/09	Sodium	2024/12/04	93.6	mg/L
2009/03/09	Sodium	2024/12/04	72.4	mg/L
2009/03/09	Sodium	2024/12/04	82.6	mg/L
2009/03/09	Sodium	2024/12/04	84.8	mg/L

WICKWAS TREATED PUMPHOUSE

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
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Antimony	2023/12/05	0.0005	mg/L	No
Arsenic	2023/12/05	0.0017	mg/L	No
Barium	2023/12/05	0.0772	mg/L	No
Boron	2023/12/05	0.002	mg/L	No
Cadmium	2023/12/05	0.0001	mg/L	No
Chromium	2023/12/05	0.0013	mg/L	No
Mercury	2023/12/05	0.0001	mg/L	No
Selenium	2023/12/05	0.00037	mg/L	No
Uranium	2023/12/05	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No
Nitrate	2024/03/05	1.15	mg/L	No
	2024/06/04	1.01	mg/L	No
	2024/09/03	0.89	mg/L	No
	2024/12/04	0.62	mg/L	No
Sodium	2024/06/04	89.20	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	NA		
Distribution	4	0.0001 - 0.0001 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)	2024	0.0091	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.008	mg/L	No

WICKWAS TREATED PUMPHOUSE

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/05	0.000265	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/05	0.0005	mg/L	No
Azinphos-methyl	2023/12/05	0.000199	mg/L	No
Benzene	2023/12/05	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/05	0.00001	mg/L	No
Bromoxynil	2023/12/05	0.0001	mg/L	No
Carbaryl	2023/12/05	0.002	mg/L	No
Carbofuran	2023/12/05	0.004	mg/L	No
Carbon Tetrachloride	2023/12/05	0.0002	mg/L	No

Chlorpyrifos	2023/12/05	0.000199	mg/L	No
Diazinon	2023/12/05	0.000199	mg/L	No
Dicamba	2023/12/05	0.0000878	mg/L	No
1,2-Dichlorobenzene	2023/12/05	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/05	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/05	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/05	0.0003	mg/L	No
Dichloromethane	2023/12/05	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/05	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/05	0.000376	mg/L	No
Diclofop-methyl	2023/12/05	0.000125	mg/L	No
Dimethoate	2023/12/05	0.000199	mg/L	No
Diquat	2023/12/05	0.0002	mg/L	No
Diuron	2023/12/05	0.01	mg/L	No
Glyphosate	2023/12/05	0.02	mg/L	No
Malathion	2023/12/05	0.000199	mg/L	No
Metolachlor	2023/12/05	0.000133	mg/L	No
Metribuzin	2023/12/05	0.000133	mg/L	No
Monochlorobenzene	2023/12/05	0.0005	mg/L	No
Paraquat	2023/12/05	0.0002	mg/L	No
Pentachlorophenol	2023/12/05	0.0003	mg/L	No
Phorate	2023/12/05	0.000133	mg/L	No
Picloram	2023/12/05	0.0000878	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/05	0.00006	mg/L	No
Prometryne	2023/12/05	0.0000663	mg/L	No
Simazine	2023/12/05	0.000199	mg/L	No
Terbufos	2023/12/05	0.000133	mg/L	No
Tetrachloroethylene	2023/12/05	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/05	0.0003	mg/L	No
Triallate	2023/12/05	0.000133	mg/L	No
Trichloroethylene	2023/12/05	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/05	0.0002	mg/L	No
Trifluralin	2023/12/05	0.000133	mg/L	No
Vinyl Chloride	2023/12/05	0.0001	mg/L	No
MCPA	2023/12/05	0.00627	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	UOM	Date of Sample	Location
NA				

(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)



Section 4

Sudbury Drinking Water System - Garson

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

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	220003485
Drinking-Water System	Sudbury Drinking Water System -Garson
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

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

Is your annual report available to the public at no charge on a web site on the Internet? Yes No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

www.greatersudbury.ca

Complete for all other Categories.

Number of Designated Facilities served:

0

Did you provide a copy of your annual report to all Designated Facilities you serve? Yes No

Number of Interested Authorities you report to:

0

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes No

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
NA	

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** City of Greater Sudbury social media platforms

Describe your Drinking-Water System

The Garson system includes three wells, Garson Well #2 located near the intersection of Spruce St. and Falconbridge Hwy., plus Garson Wells #1 & 3 located on Falconbridge Hwy. The system's wells take water from an unconfined aquifer in a sand and gravel formation at Garson Well #2, and a sand, gravel, boulder formation at Garson #1 & 3. All the well groundwater is disinfected by chlorination and fluoridated at the well sites before it enters the distribution system. Continuous analyzers for free chlorine residual, fluoride and turbidity are monitored by an onsite PLC. A standby power generator with an automatic transfer switch is located at the Garson #1 & 3 site. The Garson Distribution System encompasses all municipal distribution in the north east part of Garson, east of the intersection of O'Neil Drive W. and Falconbridge Road and North to include the Old Skead Rd. area of Garson. The distribution system includes an online continuous chlorine analyzer. In the case of a complete system failure, a pressure sustaining valve, at the corner of O'Neil Drive W. and Falconbridge Hwy, ensures a water supply to Garson by connecting the Garson and Sudbury/Wanapitei Systems. 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

Sodium Hypochlorite UN#1791, Hydrofluosilicic Acid 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

Garson 2 roof \$8,300
Data recorder \$7,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
165664	2024/07/19	HFS	1.5	mg/L	Flush/Resample	2024/07/19
167140	2024/12/31	Loss of Pressure	<20	PSI	Flush/Resample	2025/01/02

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: GARSON WELL #1					
	53	0 to 0	0 to 0		
Raw: GARSON WELL #2					
	53	0 to 0	0 to 0		
Raw: GARSON WELL #3					
	53	0 to 0	0 to 1		
Treated: GARSON #1 & #3 WELL TREATED					
	53	0 to 0	0 to 0	53	10 to 10
Treated: GARSON #2 WELL TREATED					
	53	0 to 0	0 to 0	53	10 to 10
Distribution					
	267	0 to 0	0 to 0	70	10 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	0.07 - 2.94

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

GARSON #1 & #3 WELL TREATED

Turbidity	8,760	0.00 - 2.00	NTU
Chlorine	8,760	0.09 - 3.52	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.24 - 0.92	mg/L

GARSON #2 WELL TREATED

Turbidity	8,760	0.01 - 2.00	NTU
Chlorine	8,760	0.47 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.37	mg/L

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
NA				

GARSON #1 & #3 WELL TREATED

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/04	0.0005	mg/L	No
Arsenic	2023/12/04	0.0033	mg/L	No
Barium	2023/12/04	0.0387	mg/L	No
Boron	2023/12/04	0.002	mg/L	No
Cadmium	2023/12/04	0.0001	mg/L	No
Chromium	2023/12/04	0.0021	mg/L	No
Mercury	2023/12/04	0.0001	mg/L	No
Selenium	2023/12/04	0.00054	mg/L	No
Uranium	2023/12/04	0.0013	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No

Nitrate	2024/03/04	0.504	mg/L	No
	2024/06/05	0.52	mg/L	No
	2024/09/03	0.58	mg/L	No
	2024/12/03	0.53	mg/L	No

GARSON #2 WELL TREATED

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/04	0.0005	mg/L	No
Arsenic	2023/12/04	0.0033	mg/L	No
Barium	2023/12/04	0.0398	mg/L	No
Boron	2023/12/04	0.003	mg/L	No
Cadmium	2023/12/04	0.0001	mg/L	No
Chromium	2023/12/04	0.0023	mg/L	No
Mercury	2023/12/04	0.0001	mg/L	No
Selenium	2023/12/04	0.00062	mg/L	No
Uranium	2023/12/04	0.0011	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/04	0.922	mg/L	No
	2024/06/05	0.72	mg/L	No
	2024/09/03	0.77	mg/L	No
	2024/12/03	0.75	mg/L	No
Sodium	2021/06/15	67.50	mg/L	Yes
	2021/06/29	70.80	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	NA		
Distribution	NA		

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)	2024	0.0067	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.008	mg/L	No

GARSON #2 WELL TREATED

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/04	0.000228	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/04	0.0005	mg/L	No
Azinphos-methyl	2023/12/04	0.000171	mg/L	No
Benzene	2023/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/04	0.000009	mg/L	No
Bromoxynil	2023/12/04	0.000115	mg/L	No
Carbaryl	2023/12/04	0.002	mg/L	No
Carbofuran	2023/12/04	0.004	mg/L	No
Carbon Tetrachloride	2023/12/04	0.0002	mg/L	No
Chlorpyrifos	2023/12/04	0.000171	mg/L	No
Diazinon	2023/12/04	0.000171	mg/L	No
Dicamba	2023/12/04	0.0001	mg/L	No
1,2-Dichlorobenzene	2023/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/04	0.0003	mg/L	No
Dichloromethane	2023/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/04	0.00043	mg/L	No
Diclofop-methyl	2023/12/04	0.000143	mg/L	No
Dimethoate	2023/12/04	0.000171	mg/L	No
Diquat	2023/12/04	0.0002	mg/L	No
Diuron	2023/12/04	0.01	mg/L	No
Glyphosate	2023/12/04	0.02	mg/L	No
Malathion	2023/12/04	0.000171	mg/L	No
Metolachlor	2023/12/04	0.000114	mg/L	No
Metribuzin	2023/12/04	0.000114	mg/L	No
Monochlorobenzene	2023/12/04	0.0005	mg/L	No
Paraquat	2023/12/04	0.0002	mg/L	No
Pentachlorophenol	2023/12/04	0.0003	mg/L	No
Phorate	2023/12/04	0.000114	mg/L	No
Picloram	2023/12/04	0.0001	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/04	0.00006	mg/L	No
Prometryne	2023/12/04	0.000057	mg/L	No
Simazine	2023/12/04	0.000171	mg/L	No
Terbufos	2023/12/04	0.000114	mg/L	No
Tetrachloroethylene	2023/12/04	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/04	0.0003	mg/L	No
Triallate	2023/12/04	0.000114	mg/L	No
Trichloroethylene	2023/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/04	0.0002	mg/L	No
Trifluralin	2023/12/04	0.000114	mg/L	No
Vinyl Chloride	2023/12/04	0.0001	mg/L	No
MCPA	2023/12/04	0.00717	mg/L	No

GARSON #1 & #3 WELL TREATED

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/04	0.000239	mg/L	No

Atrazine + N-dealkylated metabolites	2023/12/04	0.0005	mg/L	No
Azinphos-methyl	2023/12/04	0.000179	mg/L	No
Benzene	2023/12/04	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/04	0.000009	mg/L	No
Bromoxynil	2023/12/04	0.0000982	mg/L	No
Carbaryl	2023/12/04	0.002	mg/L	No
Carbofuran	2023/12/04	0.004	mg/L	No
Carbon Tetrachloride	2023/12/04	0.0002	mg/L	No
Chlorpyrifos	2023/12/04	0.000179	mg/L	No
Diazinon	2023/12/04	0.000179	mg/L	No
Dicamba	2023/12/04	0.0000859	mg/L	No
1,2-Dichlorobenzene	2023/12/04	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/04	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/04	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/04	0.0003	mg/L	No
Dichloromethane	2023/12/04	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/04	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/04	0.000368	mg/L	No
Diclofop-methyl	2023/12/04	0.000123	mg/L	No
Dimethoate	2023/12/04	0.000179	mg/L	No
Diquat	2023/12/04	0.0002	mg/L	No
Diuron	2023/12/04	0.01	mg/L	No
Glyphosate	2023/12/04	0.02	mg/L	No
Malathion	2023/12/04	0.000179	mg/L	No
Metolachlor	2023/12/04	0.000119	mg/L	No
Metribuzin	2023/12/04	0.000119	mg/L	No
Monochlorobenzene	2023/12/04	0.0005	mg/L	No
Paraquat	2023/12/04	0.0002	mg/L	No
Pentachlorophenol	2023/12/04	0.0003	mg/L	No
Phorate	2023/12/04	0.000119	mg/L	No
Picloram	2023/12/04	0.0000859	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/04	0.00006	mg/L	No
Prometryne	2023/12/04	0.0000597	mg/L	No
Simazine	2023/12/04	0.000179	mg/L	No
Terbufos	2023/12/04	0.000119	mg/L	No
Tetrachloroethylene	2023/12/04	0.00328	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/04	0.0003	mg/L	No
Triallate	2023/12/04	0.000119	mg/L	No
Trichloroethylene	2023/12/04	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/04	0.0002	mg/L	No
Trifluralin	2023/12/04	0.000119	mg/L	No
Vinyl Chloride	2023/12/04	0.0001	mg/L	No
MCPA	2023/12/04	0.00614	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	UOM	Date of Sample	Location
NA				

(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)



Section 5

Sudbury Drinking Water System – David WTP

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

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	220003537
Drinking-Water System	Sudbury Drinking Water System - David St.
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

<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 checked="" type="checkbox"/> No <input 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; min-height: 40px;"> <p>www.greatersudbury.ca</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 80px;" 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 style="width: 80px;" 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
Sudbury Drinking Water System - Wanapitei	210001111

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

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

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** City of Greater Sudbury Social Media Platforms

Describe your Drinking-Water System

The David St. Water Treatment Plant is a surface water plant which draws water from Ramsey Lake. Proportionally, the plant services approximately 40% of Sudbury, however, most of the water produced at the David St. WTP is normally delivered to the south, west and downtown areas of Sudbury as well as supplying water to the Ellis reservoir. Treatment incorporated is in the form of membrane ultrafiltration, disinfection by chlorination, Ultra-Violet irradiation, fluoridation, pH adjustment and corrosion control with a polyphosphate. The distribution system includes an online continuous chlorine analyzer & related appurtenances. The plant is in full treatment 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

Sodium Hypochlorite UN#1791, Hydrofluosilicic Acid UN#1778, Polyphosphate, Sodium Hydroxide UN#1824, Sodium Bisulfate UN#2693, Citric Acid UN#3625, Sodium Permanganate UN#3214

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

High lift motor drive replacement \$ 9,400
 Valve replacement \$19,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
164680	2024/03/24	UV	0	mj/cm ²	Resample	2024/03/24

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: RAMSEY LAKE					
	53	0 to 0	0 to 3		
Treated: SUDBURY (DAVID ST) Water Treatment Plant					
	53	0 to 0	0 to 0	54	10 to 30
Distribution					
	1,620	0 to 0	0 to 0	378	10 to 40

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	0.64 - 2.13

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

SUDBURY (DAVID ST) Water Treatment Plant

Turbidity	8,760	0.01 - 5.00	NTU
Chlorine	8,760	0.79 - 3.40	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.12 - 1.33	mg/L

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
NA				

SUDBURY (DAVID ST) Water Treatment Plant

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/12/02	0.0005	mg/L	No
Arsenic	2024/12/02	0.002	mg/L	No
Barium	2024/12/02	0.014	mg/L	No
Boron	2024/12/02	0.008	mg/L	No
Cadmium	2024/12/02	0.0001	mg/L	No
Chromium	2024/12/02	0.002	mg/L	No
Mercury	2024/12/02	0.0001	mg/L	No
Selenium	2024/12/02	0.0008	mg/L	No
Uranium	2024/12/02	0.001	mg/L	No
Nitrite	2024/03/04	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/02	0.05	mg/L	No
Nitrate	2024/03/04	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/02	0.05	mg/L	No
Sodium	2024/05/06	46.00	mg/L	Yes
	2024/10/01	52.60	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	48	0.0001 - 0.0026 mg/L	0
Distribution	14	0.0001 - 0.0002 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)	2024	0.0815	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.065	mg/L	No

SUDBURY (DAVID ST) Water Treatment Plant

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2024/12/02	0.000239	mg/L	No
Atrazine + N-dealkylated metabolites	2024/12/02	0.0005	mg/L	No
Azinphos-methyl	2024/12/02	0.000179	mg/L	No
Benzene	2024/12/02	0.0001	mg/L	No
Benzo(a)pyrene	2024/12/02	0.00001	mg/L	No
Bromoxynil	2024/12/02	0.00011	mg/L	No
Carbaryl	2024/12/02	0.003	mg/L	No
Carbofuran	2024/12/02	0.005	mg/L	No
Carbon Tetrachloride	2024/12/02	0.0002	mg/L	No
Chlorpyrifos	2024/12/02	0.000179	mg/L	No
Diazinon	2024/12/02	0.000179	mg/L	No
Dicamba	2024/12/02	0.0000959	mg/L	No
1,2-Dichlorobenzene	2024/12/02	0.0002	mg/L	No
1,4-Dichlorobenzene	2024/12/02	0.0003	mg/L	No
1,2-Dichloroethane	2024/12/02	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2024/12/02	0.0003	mg/L	No
Dichloromethane	2024/12/02	0.001	mg/L	No
2-4 Dichlorophenol	2024/12/02	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024/12/02	0.000411	mg/L	No
Diclofop-methyl	2024/12/02	0.000137	mg/L	No
Dimethoate	2024/12/02	0.000179	mg/L	No
Diquat	2024/12/02	0.0002	mg/L	No
Diuron	2024/12/02	0.01	mg/L	No
Glyphosate	2024/12/02	0.02	mg/L	No
Malathion	2024/12/02	0.000179	mg/L	No
Metolachlor	2024/12/02	0.000119	mg/L	No
Metribuzin	2024/12/02	0.000119	mg/L	No
Monochlorobenzene	2024/12/02	0.0005	mg/L	No
Paraquat	2024/12/02	0.0002	mg/L	No
Pentachlorophenol	2024/12/02	0.0003	mg/L	No
Phorate	2024/12/02	0.000119	mg/L	No
Picloram	2024/12/02	0.0000959	mg/L	No
Polychlorinated Biphenyls(PCB)	2024/12/02	0.00006	mg/L	No
Prometryne	2024/12/02	0.0000597	mg/L	No
Simazine	2024/12/02	0.000179	mg/L	No
Terbufos	2024/12/02	0.000119	mg/L	No
Tetrachloroethylene	2024/12/02	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2024/12/02	0.0003	mg/L	No
Triallate	2024/12/02	0.000119	mg/L	No
Trichloroethylene	2024/12/02	0.0002	mg/L	No
2,4,6-Trichlorophenol	2024/12/02	0.0002	mg/L	No

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

Trifluralin	2024/12/02	0.000119	mg/L	No
Vinyl Chloride	2024/12/02	0.0001	mg/L	No
MCPA	2024/12/02	0.00685	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	UOM	Date of Sample	Location
NA				

(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)



Section 6

Sudbury Drinking Water System – Wanapitei WTP

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

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	210001111
Drinking-Water System	Sudbury Drinking Water System - Wanapitei
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

<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 checked="" type="checkbox"/> No <input 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; min-height: 40px;"> <p>www.greatersudbury.ca</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 80px;" 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 style="width: 80px;" 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
Markstay-Warren	220013606
Sudbury Drinking Water System - Garson	220003485
Sudbury Drinking Water System - David St.	220003537

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 City of Greatersudbury social media platforms

Describe your Drinking-Water System

The Wanapitei Water Treatment Plant is a surface water plant which draws water from the Wanapitei River. The plant services approximately 60% of Sudbury, with the water being produced supplying the northeastern and northwestern areas of the City but includes Markstay, Coniston and parts of Garson as well as supplying water to the Ellis Reservoir. The raw water is pumped from the Wanapitei River via the Wanapitei intake, The raw intake pumphouse is situated north of Hwy. 17, in the community of Wahnapiatae. The raw water passes through a coarse aluminum bar screen then through two finer stainless steel screens inside the station before being pumped to the treatment plant to the west. The Wanapitei WTP utilizes a conventional water treatment process complete with Coagulation / Flocculation, Sedimentation and Filtration by dual media filters. Chlorine and/or Chlorine Dioxide are used for disinfection purposes and Ultra-Violet irradiation. Corrosion control, pH adjustment plus the addition of fluoride complete the process. The distribution system includes an online continuous chlorine analyzer & various other appurtenances. The plant is in full treatment compliance with O. Reg. 170/03.

List all water treatment chemicals used over this reporting period

Chlorine Gas UN#1017, Hydrofluosilicic Acid UN#1778, Polyphosphate, Sodium Chlorite UN#1908, Aluminum Sulfate UN#3264, Hydrated Lime, Polyelectrolyte, Chlorine Dioxide (generated onsite)

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

Intake/Plant valve replacement \$ 670,000
 High lift pump motor rebuild \$ 23,000
 High lift pump motor drive replacement \$ 43,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
165300	2024/06/23	Low Pressure	< 20	PSI	Flush/Resample	2024/06/25
165988	2024/08/06	HFS	1.65	mg/L	Flush/Resample	2024/08/14
166897	2024/11/19	Loss of Pressure	< 20	PSI	Flush/Resample	2024/11/22

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: WANAPITEI RIVER					
	53	0 to 40	0 to 500		
Treated: HL PUMP STATION, Sudbury (Wanapitei) WTP					
	53	0 to 0	0 to 0	53	10 to 250
Distribution					
	1,620	0 to 3	0 to 0	378	10 to 180

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	0.64 - 2.13

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

Sudbury (Wanapitei) WTP

Turbidity	8,760	0.02 - 0.52	NTU
Chlorine	8,760	0.43 - 2.96	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.00 - 1.65	mg/L

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
NA				

Sudbury (Wanapitei) WTP

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/12/03	0.0005	mg/L	No
Arsenic	2024/12/03	0.001	mg/L	No
Barium	2024/12/03	0.014	mg/L	No
Boron	2024/12/03	0.002	mg/L	No
Cadmium	2024/12/03	0.0001	mg/L	No
Chromium	2024/12/03	0.001	mg/L	No
Mercury	2024/12/03	0.0001	mg/L	No
Selenium	2024/12/03	0.0002	mg/L	No
Uranium	2024/12/03	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	0.11	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.12	mg/L	No
Sodium	2021/11/30	1.67	mg/L	No

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	44	0.001 - 0.00552 mg/L	0
Distribution	14	0.0001 - 0.0002 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)	2024	0.0577	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.050	mg/L	No

HL PUMP STATION, Sudbury (Wanapitei) WTP

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2024/12/03	0.000277	mg/L	No
Atrazine + N-dealkylated metabolites	2024/12/03	0.0005	mg/L	No
Azinphos-methyl	2024/12/03	0.000208	mg/L	No
Benzene	2024/12/03	0.0001	mg/L	No
Benzo(a)pyrene	2024/12/03	0.00001	mg/L	No
Bromoxynil	2024/12/03	0.000104	mg/L	No
Carbaryl	2024/12/03	0.002	mg/L	No
Carbofuran	2024/12/03	0.003	mg/L	No
Carbon Tetrachloride	2024/12/03	0.0002	mg/L	No
Chlorpyrifos	2024/12/03	0.000208	mg/L	No
Diazinon	2024/12/03	0.000208	mg/L	No
Dicamba	2024/12/03	0.0000907	mg/L	No
1,2-Dichlorobenzene	2024/12/03	0.0002	mg/L	No
1,4-Dichlorobenzene	2024/12/03	0.0003	mg/L	No
1,2-Dichloroethane	2024/12/03	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2024/12/03	0.0003	mg/L	No
Dichloromethane	2024/12/03	0.001	mg/L	No
2-4 Dichlorophenol	2024/12/03	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024/12/03	0.000389	mg/L	No
Diclofop-methyl	2024/12/03	0.00013	mg/L	No
Dimethoate	2024/12/03	0.000208	mg/L	No
Diquat	2024/12/03	0.0002	mg/L	No
Diuron	2024/12/03	0.005	mg/L	No
Glyphosate	2024/12/03	0.02	mg/L	No
Malathion	2024/12/03	0.000208	mg/L	No
Metolachlor	2024/12/03	0.000139	mg/L	No
Metribuzin	2024/12/03	0.000139	mg/L	No
Monochlorobenzene	2024/12/03	0.0005	mg/L	No
Paraquat	2024/12/03	0.0002	mg/L	No
Pentachlorophenol	2024/12/03	0.0003	mg/L	No
Phorate	2024/12/03	0.000139	mg/L	No
Picloram	2024/12/03	0.0000907	mg/L	No
Polychlorinated Biphenyls(PCB)	2024/12/03	0.00006	mg/L	No
Prometryne	2024/12/03	0.0000693	mg/L	No
Simazine	2024/12/03	0.000208	mg/L	No
Terbufos	2024/12/03	0.000139	mg/L	No
Tetrachloroethylene	2024/12/03	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2024/12/03	0.0003	mg/L	No
Triallate	2024/12/03	0.000139	mg/L	No
Trichloroethylene	2024/12/03	0.0002	mg/L	No
2,4,6-Trichlorophenol	2024/12/03	0.0002	mg/L	No

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

Trifluralin	2024/12/03	0.000139	mg/L	No
Vinyl Chloride	2024/12/03	0.0001	mg/L	No
MCPA	2024/12/03	0.00648	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	UOM	Date of Sample	Location
NA				

(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)



Section 7

Bleazard Valley – Capreol Drinking Water System

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	210000737
Drinking-Water System	Bleazard Valley - Capreol Well Supply
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

<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 checked="" type="checkbox"/> No <input 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;">www.greatersudbury.ca</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
NA	

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

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

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 City of Greater Sudbury social media platforms

Describe your Drinking-Water System

The system includes eleven Blezard Valley wells, which extend in a well field from Val Therese to Hanmer and two Capreol Wells adjacent to Greens Lake. All of the groundwater wells undergo primary treatment in the form of Ultra-Violet irradiation, secondary disinfection by chlorination, and fluoridation. The Capreol wells also include chemical addition for corrosion control. Continuous analyzers for free chlorine residual, fluoride, turbidity and UV equipment are monitored at each well by onsite PLC's. A standby power generator with an automatic transfer switch is located at several of the wells. In the event that the Capreol wells fail, the Valley wells can supply water to the Capreol Boosters. In the event that the entire system of wells and boosters fail, water will continue to be supplied from the three storage facilities, but at a reduced pressure. Three water storage tanks are situated in Azilda, Chelmsford and Val Caron and all distribution piping completes the system. The Blezard Valley distribution includes an online continuous chlorine analyzer and encompasses the communities of Chelmsford, Azilda, McCrea Heights, Blezard Valley, Val Caron, Val Therese, Hanmer and Capreol. 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

Control Valve Replacements \$ 46,000
 Frost Well- ATS replacement for diesel generator automatic control \$ 11,000
 Turbidity analysers \$ 10,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
165667	2024/07/17	Chlorine Analyzer	flatlined		Resample	2024/07/19
165849	2024/07/01	Chlorine Analyzer	flatlined		Resample	2024/07/31
166470	2024/09/27	Not Sampled	NA			2024/09/28
166635	2024/10/11	HFS	1.54	mg/L	Flush/Resample	2024/10/12

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: WELL A -DESCHENE WELL					
	53	0 to 0	0 to 0		
Raw: WELL B- KENNETH WELL					
	0				
Raw: WELL C -PHILIPPE WELL					
	49	0 to 0	0 to 14		
Raw: WELL D -FROST WELL					
	53	0 to 0	0 to 1		
Raw: WELLE E -NOTRE DAME					
	53	0 to 0	0 to 0		
Raw: WELL F -LINDEN WELL					
	53	0 to 0	0 to 0		
Raw: WELL G -PHARAND WELL					
	53	0 to 0	0 to 1		
Raw: WELL H -MICHELLE WELL					
	45	0 to 0	0 to 1		
Raw: WELL I -I WELL					
	0				
Raw: WELL J - GREEN LAKE					
	44	0 to 0	0 to 0		
Raw: WELL M - GREEN LAKE					
	53	0 to 0	0 to 0		
Raw: WELL Q - CHENIER					
	53	0 to 0	0 to 1		
Raw: WELL R					
	53	0 to 0	0 to 0		

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

Treated: CAPREOL WELL SUPPLY - WELL M&J					
	97	0 to 0	0 to 0	97	10 to 120
Treated: WELL A - DESCHENE WELL					
	53	0 to 0	0 to 0	53	10 to 10
Treated: WELL B - KENNETH WELL					
	0			0	
Treated: WELL C - PHILIPPE WELL					
	49	0 to 0	0 to 0	49	10 to 10
Treated: WELL D - FROST WELL					
	53	0 to 0	0 to 0	53	10 to 10
Treated: WELL E - NOTRE DAME WELL					
	53	0 to 0	0 to 0	53	10 to 10
Treated: WELL F - LINDEN WELL					
	53	0 to 0	0 to 0	53	10 to 10
Treated: WELL G - PHARAND WELL					
	53	0 to 0	0 to 0	53	10 to 20
Treated: WELL H - MICHELLE WELL					
	45	0 to 0	0 to 0	45	10 to 10
Treated: WELL I - I WELL					
	0			0	
Treated: WELL Q- CHENIER					
	53	0 to 0	0 to 0	53	10 to 10
Treated: WELL R					
	53	0 to 0	0 to 0	53	10 to 10
Distribution					
	643	0 to 0	0 to 0	168	10 to 20

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	0.64 - 1.67

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

CAPREOL WELL SUPPLY - WELL M&J

Turbidity	8,760	0.00 - 2.00	NTU
Chlorine	8,760	0.30 - 4.54	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.00 - 1.54	mg/L

WELL A - DESCHENE WELL

Turbidity	8,760	0.00 - 2.00	NTU
Chlorine	8,760	0.10 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.16	mg/L

WELL B - KENNETH WELL No Production in 2024

Turbidity			
Chlorine			
Fluoride (If the DWS provides fluoridation)			

WELL C - PHILIPPE WELL

Turbidity	8,760	0.01 - 2.00	NTU
Chlorine	8,760	0.22 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.23	mg/L

WELL D - FROST WELL

Turbidity	8,760	0.01 - 2.00	NTU
Chlorine	8,760	0.30 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.33	mg/L

WELL E - NOTRE DAME WELL

Turbidity	8,760	0.02 - 2.00	NTU
Chlorine	8,760	0.60 - 3.70	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.16	mg/L

WELL F - LINDEN WELL

Turbidity	8,760	0.03 - 1.46	NTU
Chlorine	8,760	0.17 - 5.00	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.18	mg/L

WELL G - PHARAND WELL

Turbidity	8,760	0.03 - 1.88	NTU
Chlorine	8,760	0.40 - 3.35	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 0.98	mg/L

WELL H - MICHELLE WELL

Turbidity	8,760	0.03 - 2.00	NTU
Chlorine	8,760	0.45 - 2.85	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.20 - 1.14	mg/L

WELL I - I WELL No Production in 2024

Turbidity			
Chlorine			
Fluoride (If the DWS provides fluoridation)			

WELL Q- CHENIER

Turbidity	8,760	0.01 - 10.00	NTU
Chlorine	8,760	0.07 - 3.17	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.01 - 1.38	mg/L

WELL R

Turbidity	8,760	0.01 - 10.00	NTU
Chlorine	8,760	0.50 - 3.85	mg/L
Fluoride (If the DWS provides fluoridation)	8,760	0.07 - 1.01	mg/L

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
NA				

WELL A - DESCHENE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/05	0.0005	mg/L	No
Arsenic	2023/12/05	0.001	mg/L	No
Barium	2023/12/05	0.0143	mg/L	No
Boron	2023/12/05	0.002	mg/L	No
Cadmium	2023/12/05	0.0001	mg/L	No
Chromium	2023/12/05	0.0023	mg/L	No
Mercury	2023/12/05	0.0001	mg/L	No
Selenium	2023/12/05	0.00057	mg/L	No
Uranium	2023/12/05	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No

Nitrate	2024/03/05	3.18	mg/L	No
	2024/06/03	2.36	mg/L	No
	2024/09/03	2.52	mg/L	No
	2024/12/04	2.39	mg/L	No

WELL B - KENNETH WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	NA			
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Mercury				
Selenium				
Uranium				
Nitrite				
Nitrate				
Sodium	2021/02/22	20.40	mg/L	Yes

WELL C - PHILIPPE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/05	0.0005	mg/L	No
Arsenic	2023/12/05	0.0013	mg/L	No
Barium	2023/12/05	0.0103	mg/L	No
Boron	2023/12/05	0.002	mg/L	No
Cadmium	2023/12/05	0.0001	mg/L	No
Chromium	2023/12/05	0.0019	mg/L	No
Mercury	2023/12/05	0.0001	mg/L	No
Selenium	2023/12/05	0.0002	mg/L	No
Uranium	2023/12/05	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No
Nitrate	2024/03/05	0.716	mg/L	No
	2024/06/03	0.5	mg/L	No
	2024/09/03	0.58	mg/L	No
	2024/12/04	0.8	mg/L	No

WELL D - FROST WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.0018	mg/L	No
Barium	2023/12/06	0.0377	mg/L	No
Boron	2023/12/06	0.002	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.00021	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	0.519	mg/L	No
	2024/06/03	0.75	mg/L	No
	2024/09/03	0.86	mg/L	No
	2024/12/03	0.61	mg/L	No
Sodium	2021/02/22	22.40	mg/L	Yes

WELL E - NOTRE DAME WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/05	0.0005	mg/L	No
Arsenic	2023/12/05	0.001	mg/L	No
Barium	2023/12/05	0.0146	mg/L	No
Boron	2023/12/05	0.002	mg/L	No
Cadmium	2023/12/05	0.0001	mg/L	No
Chromium	2023/12/05	0.0012	mg/L	No
Mercury	2023/12/05	0.0001	mg/L	No
Selenium	2023/12/05	0.0002	mg/L	No
Uranium	2023/12/05	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/04	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No
Nitrate	2024/03/05	1.89	mg/L	No
	2024/06/03	1.3	mg/L	No
	2024/09/04	1.32	mg/L	No
	2024/12/04	1.48	mg/L	No

WELL F - LINDEN WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
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Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.002	mg/L	No
Barium	2023/12/06	0.0234	mg/L	No
Boron	2023/12/06	0.002	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.0004	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/04	0.05	mg/L	No
	2024/12/04	0.05	mg/L	No
Nitrate	2024/03/05	0.49	mg/L	No
	2024/06/04	0.24	mg/L	No
	2024/09/04	0.29	mg/L	No
	2024/12/04	0.3	mg/L	No

WELL G - PHARAND WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.0026	mg/L	No
Barium	2023/12/06	0.061	mg/L	No
Boron	2023/12/06	0.0051	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.00047	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/04	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	3.94	mg/L	No
	2024/06/04	3.29	mg/L	No
	2024/09/04	3.23	mg/L	No
	2024/12/03	3.24	mg/L	No
Sodium	2021/02/19	88.00	mg/L	Yes

WELL H - MICHELLE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/05	0.0005	mg/L	No
Arsenic	2023/12/05	0.0013	mg/L	No
Barium	2023/12/05	0.0178	mg/L	No
Boron	2023/12/05	0.002	mg/L	No
Cadmium	2023/12/05	0.0001	mg/L	No
Chromium	2023/12/05	0.0016	mg/L	No
Mercury	2023/12/05	0.0001	mg/L	No
Selenium	2023/12/05	0.00021	mg/L	No

Uranium	2023/12/05	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/03	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	2.23	mg/L	No
	2024/06/03	1.85	mg/L	No
	2024/09/03	2	mg/L	No
	2024/12/03	1.73	mg/L	No
Sodium	2021/02/19	30.10	mg/L	Yes

WELL I - I WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	NA			
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Mercury				
Selenium				
Uranium				
Nitrite				
Nitrate				

WELL J - Capreol

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.001	mg/L	No
Barium	2023/12/06	0.0166	mg/L	No
Boron	2023/12/06	0.002	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.0002	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No

Nitrate	2024/03/05	0.16	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No

WELL M - Capreol

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/12/11	0.0005	mg/L	No
Arsenic	2024/12/11	0.001	mg/L	No
Barium	2024/12/11	0.034	mg/L	No
Boron	2024/12/11	0.002	mg/L	No
Cadmium	2024/12/11	0.0001	mg/L	No
Chromium	2024/12/11	0.001	mg/L	No
Mercury	2024/12/11	0.0001	mg/L	No
Selenium	2024/12/11	0.0002	mg/L	No
Uranium	2024/12/11	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/11	0.05	mg/L	No
Nitrate	2024/03/05	0.05	mg/L	No
	2024/06/05	0.05	mg/L	No
	2024/09/03	0.05	mg/L	No
	2024/12/11	0.05	mg/L	No
Sodium	2024/12/11	7.20	mg/L	No

WELL Q- CHENIER

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.001	mg/L	No
Barium	2023/12/06	0.0249	mg/L	No
Boron	2023/12/06	0.002	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.00059	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/04	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	1.9	mg/L	No
	2024/06/04	1.45	mg/L	No
	2024/09/04	1.43	mg/L	No
	2024/12/03	1.49	mg/L	No

WELL R

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2023/12/06	0.0005	mg/L	No
Arsenic	2023/12/06	0.0011	mg/L	No
Barium	2023/12/06	0.0228	mg/L	No
Boron	2023/12/06	0.002	mg/L	No
Cadmium	2023/12/06	0.0001	mg/L	No
Chromium	2023/12/06	0.001	mg/L	No
Mercury	2023/12/06	0.0001	mg/L	No
Selenium	2023/12/06	0.00041	mg/L	No
Uranium	2023/12/06	0.001	mg/L	No
Nitrite	2024/03/05	0.05	mg/L	No
	2024/06/04	0.05	mg/L	No
	2024/09/04	0.05	mg/L	No
	2024/12/03	0.05	mg/L	No
Nitrate	2024/03/05	0.48	mg/L	No
	2024/06/04	0.2	mg/L	No
	2024/09/04	0.24	mg/L	No
	2024/12/03	0.3	mg/L	No
Sodium	2021/02/19	26.10	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	NA		
Distribution	5	0.00013 - 0.00166 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)	2024	0.0183	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.017	mg/L	No

WELL A - DESCHENE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/05	0.000277	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/05	0.0005	mg/L	No
Azinphos-methyl	2023/12/05	0.000207	mg/L	No
Benzene	2023/12/05	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/05	0.000009	mg/L	No
Bromoxynil	2023/12/05	0.0000931	mg/L	No
Carbaryl	2023/12/05	0.002	mg/L	No
Carbofuran	2023/12/05	0.003	mg/L	No

Carbon Tetrachloride	2023/12/05	0.0002	mg/L	No
Chlorpyrifos	2023/12/05	0.000207	mg/L	No
Diazinon	2023/12/05	0.000207	mg/L	No
Dicamba	2023/12/05	0.0000815	mg/L	No
1,2-Dichlorobenzene	2023/12/05	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/05	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/05	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/05	0.0003	mg/L	No
Dichloromethane	2023/12/05	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/05	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/05	0.000349	mg/L	No
Diclofop-methyl	2023/12/05	0.000116	mg/L	No
Dimethoate	2023/12/05	0.000207	mg/L	No
Diquat	2023/12/05	0.0002	mg/L	No
Diuron	2023/12/05	0.01	mg/L	No
Glyphosate	2023/12/05	0.02	mg/L	No
Malathion	2023/12/05	0.000207	mg/L	No
Metolachlor	2023/12/05	0.000138	mg/L	No
Metribuzin	2023/12/05	0.000138	mg/L	No
Monochlorobenzene	2023/12/05	0.0005	mg/L	No
Paraquat	2023/12/05	0.0002	mg/L	No
Pentachlorophenol	2023/12/05	0.0003	mg/L	No
Phorate	2023/12/05	0.000138	mg/L	No
Picloram	2023/12/05	0.0000815	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/05	0.00006	mg/L	No
Prometryne	2023/12/05	0.0000692	mg/L	No
Simazine	2023/12/05	0.000207	mg/L	No
Terbufos	2023/12/05	0.000138	mg/L	No
Tetrachloroethylene	2023/12/05	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/05	0.0003	mg/L	No
Triallate	2023/12/05	0.000138	mg/L	No
Trichloroethylene	2023/12/05	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/05	0.0002	mg/L	No
Trifluralin	2023/12/05	0.000138	mg/L	No
Vinyl Chloride	2023/12/05	0.0001	mg/L	No
MCPA	2023/12/05	0.00582	mg/L	No

WELL B - KENNETH WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2020/12/01	0.000236	mg/L	No
Atrazine + N-dealkylated metabolites	2020/12/01	0.0005	mg/L	No
Azinphos-methyl	2020/12/01	0.000177	mg/L	No
Benzene	2020/12/01	0.0001	mg/L	No
Benzo(a)pyrene	2020/12/01	0.00001	mg/L	No
Bromoxynil	2020/12/01	0.000144	mg/L	No
Carbaryl	2020/12/01	0.001	mg/L	No
Carbofuran	2020/12/01	0.002	mg/L	No
Carbon Tetrachloride	2020/12/01	0.0002	mg/L	No
Chlorpyrifos	2020/12/01	0.000177	mg/L	No
Diazinon	2020/12/01	0.000177	mg/L	No
Dicamba	2020/12/01	0.00036	mg/L	No

1,2-Dichlorobenzene	2020/12/01	0.0003	mg/L	No
1,4-Dichlorobenzene	2020/12/01	0.0003	mg/L	No
1,2-Dichloroethane	2020/12/01	0.0003	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2020/12/01	0.0003	mg/L	No
Dichloromethane	2020/12/01	0.001	mg/L	No
2-4 Dichlorophenol	2020/12/01	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2020/12/01	0.00036	mg/L	No
Diclofop-methyl	2020/12/01	0.00012	mg/L	No
Dimethoate	2020/12/01	0.000177	mg/L	No
Diquat	2020/12/01	0.0002	mg/L	No
Diuron	2020/12/01	0.007	mg/L	No
Glyphosate	2020/12/01	0.02	mg/L	No
Malathion	2020/12/01	0.000177	mg/L	No
Metolachlor	2020/12/01	0.000118	mg/L	No
Metribuzin	2020/12/01	0.000118	mg/L	No
Monochlorobenzene	2020/12/01	0.0005	mg/L	No
Paraquat	2020/12/01	0.0002	mg/L	No
Pentachlorophenol	2020/12/01	0.0003	mg/L	No
Phorate	2020/12/01	0.000118	mg/L	No
Picloram	2020/12/01	0.0000839	mg/L	No
Polychlorinated Biphenyls(PCB)	2020/12/01	0.00006	mg/L	No
Prometryne	2020/12/01	0.000059	mg/L	No
Simazine	2020/12/01	0.000177	mg/L	No
Terbufos	2020/12/01	0.000118	mg/L	No
Tetrachloroethylene	2020/12/01	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2020/12/01	0.0003	mg/L	No
Triallate	2020/12/01	0.000118	mg/L	No
Trichloroethylene	2020/12/01	0.0002	mg/L	No
2,4,6-Trichlorophenol	2020/12/01	0.0002	mg/L	No
Trifluralin	2020/12/01	0.000118	mg/L	No
Vinyl Chloride	2020/12/01	0.0001	mg/L	No
MCPA	2020/12/01	0.00599	mg/L	No

WELL C - PHILIPPE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/05	0.000253	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/05	0.0005	mg/L	No
Azinphos-methyl	2023/12/05	0.000189	mg/L	No
Benzene	2023/12/05	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/05	0.000009	mg/L	No
Bromoxynil	2023/12/05	0.0000917	mg/L	No
Carbaryl	2023/12/05	0.002	mg/L	No
Carbofuran	2023/12/05	0.003	mg/L	No
Carbon Tetrachloride	2023/12/05	0.0002	mg/L	No
Chlorpyrifos	2023/12/05	0.000189	mg/L	No
Diazinon	2023/12/05	0.000189	mg/L	No
Dicamba	2023/12/05	0.0000802	mg/L	No
1,2-Dichlorobenzene	2023/12/05	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/05	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/05	0.0002	mg/L	No

1,1-Dichloroethylene (vinylidene chloride)	2023/12/05	0.0003	mg/L	No
Dichloromethane	2023/12/05	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/05	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/05	0.000344	mg/L	No
Diclofop-methyl	2023/12/05	0.000115	mg/L	No
Dimethoate	2023/12/05	0.000189	mg/L	No
Diquat	2023/12/05	0.0002	mg/L	No
Diuron	2023/12/05	0.01	mg/L	No
Glyphosate	2023/12/05	0.02	mg/L	No
Malathion	2023/12/05	0.000189	mg/L	No
Metolachlor	2023/12/05	0.000126	mg/L	No
Metribuzin	2023/12/05	0.000126	mg/L	No
Monochlorobenzene	2023/12/05	0.0005	mg/L	No
Paraquat	2023/12/05	0.0002	mg/L	No
Pentachlorophenol	2023/12/05	0.0003	mg/L	No
Phorate	2023/12/05	0.000126	mg/L	No
Picloram	2023/12/05	0.0000802	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/05	0.00006	mg/L	No
Prometryne	2023/12/05	0.0000631	mg/L	No
Simazine	2023/12/05	0.000189	mg/L	No
Terbufos	2023/12/05	0.000126	mg/L	No
Tetrachloroethylene	2023/12/05	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/05	0.0003	mg/L	No
Triallate	2023/12/05	0.000126	mg/L	No
Trichloroethylene	2023/12/05	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/05	0.0002	mg/L	No
Trifluralin	2023/12/05	0.000126	mg/L	No
Vinyl Chloride	2023/12/05	0.0001	mg/L	No
MCPA	2023/12/05	0.00573	mg/L	No

WELL D - FROST WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.000236	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.000177	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000949	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.003	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.000177	mg/L	No
Diazinon	2023/12/06	0.000177	mg/L	No
Dicamba	2023/12/06	0.000083	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No

2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.000356	mg/L	No
Diclofop-methyl	2023/12/06	0.000119	mg/L	No
Dimethoate	2023/12/06	0.000177	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.000177	mg/L	No
Metolachlor	2023/12/06	0.000118	mg/L	No
Metribuzin	2023/12/06	0.000118	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No
Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.000118	mg/L	No
Picloram	2023/12/06	0.000083	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000591	mg/L	No
Simazine	2023/12/06	0.000177	mg/L	No
Terbufos	2023/12/06	0.000118	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.000118	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.000118	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00593	mg/L	No

WELL E - NOTRE DAME WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/05	0.000275	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/05	0.0005	mg/L	No
Azinphos-methyl	2023/12/05	0.000206	mg/L	No
Benzene	2023/12/05	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/05	0.000009	mg/L	No
Bromoxynil	2023/12/05	0.000093	mg/L	No
Carbaryl	2023/12/05	0.002	mg/L	No
Carbofuran	2023/12/05	0.004	mg/L	No
Carbon Tetrachloride	2023/12/05	0.0002	mg/L	No
Chlorpyrifos	2023/12/05	0.000206	mg/L	No
Diazinon	2023/12/05	0.000206	mg/L	No
Dicamba	2023/12/05	0.0000813	mg/L	No
1,2-Dichlorobenzene	2023/12/05	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/05	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/05	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/05	0.0003	mg/L	No
Dichloromethane	2023/12/05	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/05	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/05	0.000349	mg/L	No
Diclofop-methyl	2023/12/05	0.000116	mg/L	No
Dimethoate	2023/12/05	0.000206	mg/L	No

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Diquat	2023/12/05	0.0002	mg/L	No
Diuron	2023/12/05	0.01	mg/L	No
Glyphosate	2023/12/05	0.02	mg/L	No
Malathion	2023/12/05	0.000206	mg/L	No
Metolachlor	2023/12/05	0.000138	mg/L	No
Metribuzin	2023/12/05	0.000138	mg/L	No
Monochlorobenzene	2023/12/05	0.0005	mg/L	No
Paraquat	2023/12/05	0.0002	mg/L	No
Pentachlorophenol	2023/12/05	0.0003	mg/L	No
Phorate	2023/12/05	0.000138	mg/L	No
Picloram	2023/12/05	0.0000813	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/05	0.00006	mg/L	No
Prometryne	2023/12/05	0.0000688	mg/L	No
Simazine	2023/12/05	0.000206	mg/L	No
Terbufos	2023/12/05	0.000138	mg/L	No
Tetrachloroethylene	2023/12/05	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/05	0.0003	mg/L	No
Triallate	2023/12/05	0.000138	mg/L	No
Trichloroethylene	2023/12/05	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/05	0.0002	mg/L	No
Trifluralin	2023/12/05	0.000138	mg/L	No
Vinyl Chloride	2023/12/05	0.0001	mg/L	No
MCPA	2023/12/05	0.00581	mg/L	No

WELL F - LINDEN WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.000228	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.000171	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000916	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.003	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.000171	mg/L	No
Diazinon	2023/12/06	0.000171	mg/L	No
Dicamba	2023/12/06	0.0000802	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.00103	mg/L	No
Diclofop-methyl	2023/12/06	0.000115	mg/L	No
Dimethoate	2023/12/06	0.000171	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.000171	mg/L	No

Metolachlor	2023/12/06	0.000114	mg/L	No
Metribuzin	2023/12/06	0.000114	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No
Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.000114	mg/L	No
Picloram	2023/12/06	0.0000802	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000571	mg/L	No
Simazine	2023/12/06	0.000171	mg/L	No
Terbufos	2023/12/06	0.000114	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.000114	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.000114	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00573	mg/L	No

WELL G - PHARAND WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.000233	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.000175	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000939	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.003	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.000175	mg/L	No
Diazinon	2023/12/06	0.000175	mg/L	No
Dicamba	2023/12/06	0.0000822	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.000352	mg/L	No
Diclofop-methyl	2023/12/06	0.000117	mg/L	No
Dimethoate	2023/12/06	0.000175	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.000175	mg/L	No
Metolachlor	2023/12/06	0.000117	mg/L	No
Metribuzin	2023/12/06	0.000117	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No

Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.000117	mg/L	No
Picloram	2023/12/06	0.0000822	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000583	mg/L	No
Simazine	2023/12/06	0.000175	mg/L	No
Terbufos	2023/12/06	0.000117	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.000117	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.000117	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00587	mg/L	No

WELL H - MICHELLE WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/05	0.000264	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/05	0.0005	mg/L	No
Azinphos-methyl	2023/12/05	0.000198	mg/L	No
Benzene	2023/12/05	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/05	0.00001	mg/L	No
Bromoxynil	2023/12/05	0.0000956	mg/L	No
Carbaryl	2023/12/05	0.002	mg/L	No
Carbofuran	2023/12/05	0.004	mg/L	No
Carbon Tetrachloride	2023/12/05	0.0002	mg/L	No
Chlorpyrifos	2023/12/05	0.000198	mg/L	No
Diazinon	2023/12/05	0.000198	mg/L	No
Dicamba	2023/12/05	0.0000837	mg/L	No
1,2-Dichlorobenzene	2023/12/05	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/05	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/05	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/05	0.0003	mg/L	No
Dichloromethane	2023/12/05	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/05	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/05	0.000359	mg/L	No
Diclofop-methyl	2023/12/05	0.00012	mg/L	No
Dimethoate	2023/12/05	0.000198	mg/L	No
Diquat	2023/12/05	0.0002	mg/L	No
Diuron	2023/12/05	0.01	mg/L	No
Glyphosate	2023/12/05	0.02	mg/L	No
Malathion	2023/12/05	0.000198	mg/L	No
Metolachlor	2023/12/05	0.000132	mg/L	No
Metribuzin	2023/12/05	0.000132	mg/L	No
Monochlorobenzene	2023/12/05	0.0005	mg/L	No
Paraquat	2023/12/05	0.0002	mg/L	No
Pentachlorophenol	2023/12/05	0.0003	mg/L	No
Phorate	2023/12/05	0.000132	mg/L	No
Picloram	2023/12/05	0.0000837	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/05	0.00006	mg/L	No

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Prometryne	2023/12/05	0.0000661	mg/L	No
Simazine	2023/12/05	0.000198	mg/L	No
Terbufos	2023/12/05	0.000132	mg/L	No
Tetrachloroethylene	2023/12/05	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/05	0.0003	mg/L	No
Triallate	2023/12/05	0.000132	mg/L	No
Trichloroethylene	2023/12/05	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/05	0.0002	mg/L	No
Trifluralin	2023/12/05	0.000132	mg/L	No
Vinyl Chloride	2023/12/05	0.0001	mg/L	No
MCPA	2023/12/05	0.00598	mg/L	No

WELL I - I WELL

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	NA			
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlorpyrifos				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Diquat				
Diuron				
Glyphosate				
Malathion				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
Terbufos				
Tetrachloroethylene				

2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
Trifluralin				
Vinyl Chloride				
MCPA				

WELL M - Capreol

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2024/12/11	0.000273	mg/L	No
Atrazine + N-dealkylated metabolites	2024/12/11	0.0005	mg/L	No
Azinphos-methyl	2024/12/11	0.000205	mg/L	No
Benzene	2024/12/11	0.0001	mg/L	No
Benzo(a)pyrene	2024/12/11	0.00001	mg/L	No
Bromoxynil	2024/12/11	0.00011	mg/L	No
Carbaryl	2024/12/11	0.002	mg/L	No
Carbofuran	2024/12/11	0.004	mg/L	No
Carbon Tetrachloride	2024/12/11	0.0002	mg/L	No
Chlorpyrifos	2024/12/11	0.000205	mg/L	No
Diazinon	2024/12/11	0.000205	mg/L	No
Dicamba	2024/12/11	0.000096	mg/L	No
1,2-Dichlorobenzene	2024/12/11	0.0002	mg/L	No
1,4-Dichlorobenzene	2024/12/11	0.0003	mg/L	No
1,2-Dichloroethane	2024/12/11	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2024/12/11	0.0003	mg/L	No
Dichloromethane	2024/12/11	0.001	mg/L	No
2-4 Dichlorophenol	2024/12/11	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024/12/11	0.000411	mg/L	No
Diclofop-methyl	2024/12/11	0.000137	mg/L	No
Dimethoate	2024/12/11	0.000205	mg/L	No
Diquat	2024/12/11	0.0002	mg/L	No
Diuron	2024/12/11	0.007	mg/L	No
Glyphosate	2024/12/11	0.02	mg/L	No
Malathion	2024/12/11	0.000205	mg/L	No
Metolachlor	2024/12/11	0.000136	mg/L	No
Metribuzin	2024/12/11	0.000136	mg/L	No
Monochlorobenzene	2024/12/11	0.0005	mg/L	No
Paraquat	2024/12/11	0.0002	mg/L	No
Pentachlorophenol	2024/12/11	0.0003	mg/L	No
Phorate	2024/12/11	0.000136	mg/L	No
Picloram	2024/12/11	0.000096	mg/L	No
Polychlorinated Biphenyls(PCB)	2024/12/11	0.00006	mg/L	No
Prometryne	2024/12/11	0.0000682	mg/L	No
Simazine	2024/12/11	0.000205	mg/L	No
Terbufos	2024/12/11	0.000136	mg/L	No
Tetrachloroethylene	2024/12/11	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2024/12/11	0.0003	mg/L	No
Triallate	2024/12/11	0.000136	mg/L	No
Trichloroethylene	2024/12/11	0.0002	mg/L	No
2,4,6-Trichlorophenol	2024/12/11	0.0002	mg/L	No

Trifluralin	2024/12/11	0.000136	mg/L	No
Vinyl Chloride	2024/12/11	0.0001	mg/L	No
MCPA	2024/12/11	0.00686	mg/L	No

WELL J - Capreol

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.00023	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.000172	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000947	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.003	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.000172	mg/L	No
Diazinon	2023/12/06	0.000172	mg/L	No
Dicamba	2023/12/06	0.0000829	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.000355	mg/L	No
Diclofop-methyl	2023/12/06	0.000118	mg/L	No
Dimethoate	2023/12/06	0.000172	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.000172	mg/L	No
Metolachlor	2023/12/06	0.000115	mg/L	No
Metribuzin	2023/12/06	0.000115	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No
Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.000115	mg/L	No
Picloram	2023/12/06	0.0000829	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000574	mg/L	No
Simazine	2023/12/06	0.000172	mg/L	No
Terbufos	2023/12/06	0.000115	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.000115	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.000115	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00592	mg/L	No

WELL Q- CHENIER

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.00024	mg/L	No
Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.00018	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000959	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.004	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.00018	mg/L	No
Diazinon	2023/12/06	0.00018	mg/L	No
Dicamba	2023/12/06	0.0000839	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.000359	mg/L	No
Diclofop-methyl	2023/12/06	0.00012	mg/L	No
Dimethoate	2023/12/06	0.00018	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.00018	mg/L	No
Metolachlor	2023/12/06	0.00012	mg/L	No
Metribuzin	2023/12/06	0.00012	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No
Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.00012	mg/L	No
Picloram	2023/12/06	0.0000839	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000601	mg/L	No
Simazine	2023/12/06	0.00018	mg/L	No
Terbufos	2023/12/06	0.00012	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.00012	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.00012	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00599	mg/L	No

WELL R

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2023/12/06	0.000233	mg/L	No

Atrazine + N-dealkylated metabolites	2023/12/06	0.0005	mg/L	No
Azinphos-methyl	2023/12/06	0.000175	mg/L	No
Benzene	2023/12/06	0.0001	mg/L	No
Benzo(a)pyrene	2023/12/06	0.00001	mg/L	No
Bromoxynil	2023/12/06	0.0000939	mg/L	No
Carbaryl	2023/12/06	0.002	mg/L	No
Carbofuran	2023/12/06	0.004	mg/L	No
Carbon Tetrachloride	2023/12/06	0.0002	mg/L	No
Chlorpyrifos	2023/12/06	0.000175	mg/L	No
Diazinon	2023/12/06	0.000175	mg/L	No
Dicamba	2023/12/06	0.0000821	mg/L	No
1,2-Dichlorobenzene	2023/12/06	0.0002	mg/L	No
1,4-Dichlorobenzene	2023/12/06	0.0003	mg/L	No
1,2-Dichloroethane	2023/12/06	0.0002	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2023/12/06	0.0003	mg/L	No
Dichloromethane	2023/12/06	0.001	mg/L	No
2-4 Dichlorophenol	2023/12/06	0.0002	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023/12/06	0.000352	mg/L	No
Diclofop-methyl	2023/12/06	0.000117	mg/L	No
Dimethoate	2023/12/06	0.000175	mg/L	No
Diquat	2023/12/06	0.0002	mg/L	No
Diuron	2023/12/06	0.01	mg/L	No
Glyphosate	2023/12/06	0.02	mg/L	No
Malathion	2023/12/06	0.000175	mg/L	No
Metolachlor	2023/12/06	0.000117	mg/L	No
Metribuzin	2023/12/06	0.000117	mg/L	No
Monochlorobenzene	2023/12/06	0.0005	mg/L	No
Paraquat	2023/12/06	0.0002	mg/L	No
Pentachlorophenol	2023/12/06	0.0003	mg/L	No
Phorate	2023/12/06	0.000117	mg/L	No
Picloram	2023/12/06	0.0000821	mg/L	No
Polychlorinated Biphenyls(PCB)	2023/12/06	0.00006	mg/L	No
Prometryne	2023/12/06	0.0000583	mg/L	No
Simazine	2023/12/06	0.000175	mg/L	No
Terbufos	2023/12/06	0.000117	mg/L	No
Tetrachloroethylene	2023/12/06	0.0003	mg/L	No
2,3,4,6-Tetrachlorophenol	2023/12/06	0.0002	mg/L	No
Triallate	2023/12/06	0.000117	mg/L	No
Trichloroethylene	2023/12/06	0.0002	mg/L	No
2,4,6-Trichlorophenol	2023/12/06	0.0002	mg/L	No
Trifluralin	2023/12/06	0.000117	mg/L	No
Vinyl Chloride	2023/12/06	0.0001	mg/L	No
MCPA	2023/12/06	0.00587	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	UOM	Date of Sample	Location
NA				

(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)



Section 8

Vermilion Distribution Water System

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260006789
Drinking-Water System	Vermilion Distribution System
Drinking-Water System Owner:	City of Greater Sudbury
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	From 2024-01-01 To 2024-12-31

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

Is your annual report available to the public at no charge on a web site on the Internet? Yes No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

www.greatersudbury.ca

Complete for all other Categories.

Number of Designated Facilities served:

0

Did you provide a copy of your annual report to all Designated Facilities you serve? Yes No

Number of Interested Authorities you report to:

0

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes No

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
Atikameksheng Anishnawbek	

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

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

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 City of Greater Sudbury social media platforms

Describe your Drinking-Water System

The City of Greater Sudbury purchases water from Vale to supply the Vermilion Distribution System. The City owned distribution system supplies the communities of Lively, Naughton, Whitefish and Copper Cliff and Atikameksheng Anishnawbek, formerly known as the Whitefish First Nations Reserve. Water is treated by Vale at the Vermillion Water Treatment Plant to comply with O. Reg. 170/03. The City of Greater Sudbury has the responsibility of water quality monitoring within the Vermilion Distribution. The system includes the Walden water storage tank and Walden metering chamber; both located in the Walden Industrial Park and includes an online continuous chlorine analyzer.

List all water treatment chemicals used over this reporting period

No chemical addition. Distribution system only.

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

Vermilion System WTP Upgrades \$1,120,000

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

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

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
NA						

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	271	0 to 0	0 to 0	65	10 to 20

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	0.31 - 1.85

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

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
NA				

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	NA			
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Mercury				
Selenium				
Uranium				
Nitrite				
Nitrate				

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	NA		
Distribution	NA		

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)	2024	0.0771	mg/L	No
HAA (NOTE: show latest annual average)	2024	0.060	mg/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	NA			
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlorpyrifos				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Diquat				
Diuron				
Glyphosate				
Malathion				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
Trifluralin				
Vinyl Chloride				
MCPA				

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

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	UOM	Date of Sample	Location
NA				

(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)