

Well Water

Annual Report
2021

Five Mile

2025 Dawson Road
Thunder Bay ON P7G 2E9

Drinking Water System Number
260009867



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ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

FIVE MILE PUBLIC SCHOOL
2025 DAWSON RD. THUNDER BAY, ONT.
P7G 2E9

Drinking-water System Number: **260009867**
The Period being reported: **January 1 2021 TO December 31 2021**

Waterworks Type (O. Reg. 170/03): **SMALL NON-MUNICIPAL NON-RESIDENTIAL DESIGNATED FACILITY**
Population Served: **260**

Maximum flow rate Capacity: **2.83 Litres per second**
Is this drinking-water system seasonally operated? **NO**
Area serviced by the Drinking-water system: **SCHOOL**

The following questions about designated and public facilities are for Small municipal non residential systems only

Number of designated facilities served by the drinking-water system: **ONE**
Name of each designated facility: **FIVE MILE PUBLIC SCHOOL**
Address of each designated facility **2026 DAWSON RD, THUNDER BAY, ONT.**
Interested Authority for each designated facility served: **MINISTRY OF EDUCATION**

1. DESCRIPTION OF THE SYSTEM:

Source(s) of raw water:

- ✓ Groundwater
- Surface
- Ground water under direct influence of surface water

If the source is groundwater or GUDI:

Groundwater: **YES :**

GUDI: **NO:**

Number of wells: **ONE**

Sample location names:

Raw: **WELL OUTLET**

Treated Water Distribution Point: **CLASSROOM**

List of chemicals used: **CHLORINE**

Does the Drinking-water system have disinfection: **YES**

Disinfection methods: (Check the boxes that apply)

- Chlorination**
- Chloramination
- Chlorine Dioxide
- Ozonation
- UltraViolet
- Others – Specify

Treatment type: (Check the boxes that apply)

- Coagulation
- Flocculation
- Sedimentation
- Filtration
- Filter Medium
- Membrane Filtration
- Membrane Filtration Type
- Alkalinity Adjustment
- pH Adjustment
- Clarifier- Sludge Blanket
- Clarifier – Upflow
- Dissolved Air Flotation
- Fluoridation
- Iron Sequestering
- Softening
- Stripping
- Taste and Odour Control**
- Zebra Mussel Control

2. **Adverse Results**

Total number of adverse results during this reporting period for microbiological, chemical, chlorine residual, malfunction of other disinfection equipment, turbidity:

No Adverse conditions for this reporting period.

3. **Summary of results**

Microbiological parameters:

Type	Number of samples taken	Range of E. coli or Fecal results (Min-Max)	Range of Total coli form results (Min-Max)	Range of Background or HPC results (Min – Max)
Raw	21	0	0	ABSENT
Distribution	42	ABSENT	ABSENT	0 to 10
Treated	21	ABSENT	ABSENT	0 to 8

4. **Chemical testing done under Schedule 13 or 14 or 15 during the period covered by the report.**

a) **INORGANIC PARAMETERS (including lead and nitrate and nitrite and Fluoride)**

	Parameter	Result	Sampling date in this reporting period	Standard Set by Regulations
L239780-1 –D1 FIVE MILE PUMP ROOM: DISTRIBUTION NO2-N+NO3-N				
	Nitrate and Nitrite as N	<0.040	March	10
	Nitrate-N	<0.020		10
	Nitrite-N	<0.010		1
	Nitrate and Nitrite as N	<0.040	June	10
	Nitrate-N	<0.020		10
	Nitrite-N	<0.010		1
	Nitrate and Nitrite as N	<0.040	September	10
	Nitrate-N	<0.020		10
	Nitrite-N	<0.010		1
	Nitrate and Nitrite as N	<0.040	December	10
	Nitrate-N	<0.020		10
	Nitrite-N	<0.010		1
	Lead (Pb) 6 Standing	18.5	May 2021	10
	Lead (Pb) 6 Flushed	6.9		10
	Lead (Pb) 7 Standing	8.3		10
	Lead (Pb) 7 Flushed	<1.0		10
	Lead (Pb) 8 Standing	3.7		10
	Lead (Pb) 8 Flushed	<1.0		10

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Next 60 month tests are due in 2025.

Summary of the most recent Organic and Inorganic parameters sampled are provided in Appendix A.

5. Major Expenses incurred during the period covered by the report

To install required equipment N/A

To repair equipment: N/A

To replace Equipment: \$10,000

6. Providing information relating to compliance with the regulation:

A copy of the annual report given to each designated facility served by the drinking-water system;

Yes

A copy of the annual report given to each Interested Authority of each designated facility served by the drinking-water system

Yes, the Ministry of Education

A copy of the annual report will be provided to every person who requests a copy

Yes, by contacting the school main office or the Board's web site.

Means that were used to share the information in this annual report:

Web Site www.lakeheadschoools.ca

Date of the report May 5, 2022

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