

Well Water

Annual Report
2024

McKenzie

1625 Lakeshore Drive
Shuniah ON P7A 0T2

Drinking Water System Number
260009932



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ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

McKENZIE PUBLIC SCHOOL

1625 Lakeshore Drive, Shuniah, ON P7A 0T2

Drinking-water System Number: **260009932**

The Period being reported: **January 1, 2024 TO December 31, 2024**

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

Population Served: **80**

Maximum flow rate Capacity: **1.26 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: **McKENZIE PUBLIC SCHOOL**

Address of each designated facility: **1625 Lakeshore Drive, Shuniah, ON P7A 0T2**

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: **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:
For each incident of adverse result please list the following:

Oct 16, 2024 - Total Coliform Exceedance

Corrective Actions: Fixture Disinfected
Flushed

Re-samples Collected Oct 17 and passed laboratory analysis

3. Summary of results

Regulation 170 lab analysis results are summarized in appendix A.

Regulation 243 lab analysis results are summarized in appendix B.

5 year inorganic sampling was completed in 2020. Next 60 month tests are due in 2025.

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: July 24, 2025

Name of the Author: Kyle Ulvang

Address of the author: 2135 SILLS ST. THUNDER BAY, ONT.

Telephone number of the author: 625-5177

Email address of the author: kyle_ulvang@lakeheadschoools.ca

Batch				Sample							
Received Date	Site	Evaluation	Job #	Received Date	e-COC #	Sample Description	Matrix	Sample Tags	Sample Name	Sampling Date	ALS ID
09-01-2024	260009932	Within Limit	260009932	09-01-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	09-01-2024	TY2400202-001
09-01-2024	260009932	Within Limit	260009932	09-01-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution JK Room	09-01-2024	TY2400202-002
09-01-2024	260009932	Within Limit	260009932	09-01-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Day Care	09-01-2024	TY2400202-003
01-02-2024	260009932	Within Limit	260009932	01-02-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	01-02-2024	TY2400969-001
01-02-2024	260009932	Within Limit	260009932	01-02-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	01-02-2024	TY2400969-002
01-02-2024	260009932	Within Limit	260009932	01-02-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	01-02-2024	TY2400969-003
15-02-2024	260009932	Within Limit	260009932	15-02-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	15-02-2024	TY2401475-001
15-02-2024	260009932	Within Limit	260009932	15-02-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	15-02-2024	TY2401475-002
15-02-2024	260009932	Within Limit	260009932	15-02-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	15-02-2024	TY2401475-003
05-03-2024	260009932	Within Limit	260009932	05-03-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	05-03-2024	TY2402039-001
05-03-2024	260009932	Within Limit	260009932	05-03-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	05-03-2024	TY2402039-002
05-03-2024	260009932	Within Limit	260009932	05-03-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	05-03-2024	TY2402039-003
19-03-2024	260009932	Within Limit	260009932	19-03-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	19-03-2024	TY2402511-001
19-03-2024	260009932	Within Limit	260009932	19-03-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	19-03-2024	TY2402511-002
19-03-2024	260009932	Within Limit	260009932	19-03-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	19-03-2024	TY2402511-003
19-03-2024	260009932	Within Limit	260009932	19-03-2024		Treated	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Staff Room	19-03-2024	TY2402511-004
02-04-2024	260009932	Within Limit	260009932	02-04-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	02-04-2024	TY2402926-001
02-04-2024	260009932	Within Limit	260009932	02-04-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	02-04-2024	TY2402926-002
02-04-2024	260009932	Within Limit	260009932	02-04-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	02-04-2024	TY2402926-003
16-04-2024	260009932	Within Limit	260009932	16-04-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	16-04-2024	TY2403516-001
16-04-2024	260009932	Within Limit	260009932	16-04-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	16-04-2024	TY2403516-002
16-04-2024	260009932	Within Limit	260009932	16-04-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	16-04-2024	TY2403516-003
02-05-2024	260009932	Within Limit	260009932	02-05-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	02-05-2024	TY2404171-001
02-05-2024	260009932	Within Limit	260009932	02-05-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	02-05-2024	TY2404171-002
02-05-2024	260009932	Within Limit	260009932	02-05-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	02-05-2024	TY2404171-003
16-05-2024	260009932	Within Limit	260009932	16-05-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	16-05-2024	TY2404820-001
16-05-2024	260009932	Within Limit	260009932	16-05-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	16-05-2024	TY2404820-002
16-05-2024	260009932	Within Limit	260009932	16-05-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	16-05-2024	TY2404820-003
04-06-2024	260009932	Within Limit	260009932	04-06-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	04-06-2024	TY2405644-001
04-06-2024	260009932	Within Limit	260009932	04-06-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	04-06-2024	TY2405644-002
04-06-2024	260009932	Within Limit	260009932	04-06-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	04-06-2024	TY2405644-003
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Standing	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 8A S	13-06-2024	TY2406144-001
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Flushed	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 8B F	13-06-2024	TY2406144-002
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Standing	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 9A S	13-06-2024	TY2406144-003
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Flushed	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 9B F	13-06-2024	TY2406144-004
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Standing	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 10A S	13-06-2024	TY2406144-005
13-06-2024	500021763	Within Limit	500021763	13-06-2024		Plumbing Flushed	Water\Drinking Water - Regulated	McKenzie PS Reg 243 Leads	McKenzie PS: MAC 10B F	13-06-2024	TY2406144-006
18-06-2024	260009932	Within Limit	260009932	18-06-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	18-06-2024	TY2406318-001
18-06-2024	260009932	Within Limit	260009932	18-06-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	18-06-2024	TY2406318-002
18-06-2024	260009932	Within Limit	260009932	18-06-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	18-06-2024	TY2406318-003
18-06-2024	260009932	Within Limit	260009932	18-06-2024		Treated	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Treated Water McKenzie	18-06-2024	TY2406318-004
02-07-2024	260009932	Within Limit	260009932	02-07-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	02-07-2024	TY2406904-001
02-07-2024	260009932	Within Limit	260009932	02-07-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	02-07-2024	TY2406904-002
02-07-2024	260009932	Within Limit	260009932	02-07-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	02-07-2024	TY2406904-003
03-09-2024	260009932	Within Limit	260009932	03-09-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	03-09-2024	TY2409774-001
03-09-2024	260009932	Within Limit	260009932	03-09-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	03-09-2024	TY2409774-002
03-09-2024	260009932	Within Limit	260009932	03-09-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	03-09-2024	TY2409774-003
17-09-2024	260009932	Within Limit	260009932	17-09-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	17-09-2024	TY2410396-001
17-09-2024	260009932	Within Limit	260009932	17-09-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	17-09-2024	TY2410396-002
17-09-2024	260009932	Within Limit	260009932	17-09-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	17-09-2024	TY2410396-003
17-09-2024	260009932	Within Limit	260009932	17-09-2024		Treated	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Treated Water McKenzie	17-09-2024	TY2410396-004
03-10-2024	260009932	Within Limit	260009932	03-10-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	03-10-2024	TY2411201-001
03-10-2024	260009932	Within Limit	260009932	03-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	03-10-2024	TY2411201-002
03-10-2024	260009932	Within Limit	260009932	03-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	03-10-2024	TY2411201-003
15-10-2024	260009932	Exceeds Limit	260009932	15-10-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	15-10-2024	TY2411698-001
15-10-2024	260009932	Exceeds Limit	260009932	15-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	15-10-2024	TY2411698-002
15-10-2024	260009932	Exceeds Limit	260009932	15-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	15-10-2024	TY2411698-003
17-10-2024	260009932	Within Limit	260009932	17-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	17-10-2024	TY2411856-001
29-10-2024	260009932	Within Limit	260009932	29-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Boiler Room	29-10-2024	TY2412423-001
29-10-2024	260009932	Within Limit	260009932	29-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Library	29-10-2024	TY2412423-002
29-10-2024	260009932	Within Limit	260009932	29-10-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	29-10-2024	TY2412417-001
29-10-2024	260009932	Within Limit	260009932	29-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	29-10-2024	TY2412417-002
29-10-2024	260009932	Within Limit	260009932	29-10-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	29-10-2024	TY2412417-003
05-11-2024	260009932	Within Limit	260009932	05-11-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	05-11-2024	TY2412709-001
05-11-2024	260009932	Within Limit	260009932	05-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	05-11-2024	TY2412709-002
05-11-2024	260009932	Within Limit	260009932	05-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	05-11-2024	TY2412709-003
14-11-2024	260009932	Within Limit	260009932	14-11-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	14-11-2024	TY2413138-001

14-11-2024	260009932	Within Limit	260009932	14-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	14-11-2024	TY2413138-002
14-11-2024	260009932	Within Limit	260009932	14-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	14-11-2024	TY2413138-003
28-11-2024	260009932	Within Limit	260009932	28-11-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	28-11-2024	TY2413704-001
28-11-2024	260009932	Within Limit	260009932	28-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	28-11-2024	TY2413704-002
28-11-2024	260009932	Within Limit	260009932	28-11-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2	28-11-2024	TY2413704-003
17-12-2024	260009932	Within Limit	260009932	17-12-2024		Raw	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Raw Water Pump Room	17-12-2024	TY2414307-001
17-12-2024	260009932	Within Limit	260009932	17-12-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 10	17-12-2024	TY2414307-002
17-12-2024	260009932	Within Limit	260009932	17-12-2024		Distribution	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Distribution Room 2 Sink	17-12-2024	TY2414307-003
17-12-2024	260009932	Within Limit	260009932	17-12-2024		Treated	Water\Drinking Water - Regulated	McKenzie PS Reg 170	Treated Water McKenzie	17-12-2024	TY2414307-004