

Well Water

Annual Report
2021

Whitefish Valley

Highway 595
Kakabeka Falls ON POT 1W0

Drinking Water System Number
260009971



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ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

WHITEFISH VALLEY PUBLIC SCHOOL
Highway 595, KAKABEKA FALLS, ONT. P0T 1W0

Drinking-water System Number: **2600009971**

The Period being reported: **Janurary 1 2021 TO December 31 2021**

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

Population Served: **188**

Maximum flow rate Capacity: **2.08 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: **WHITEFISH VALLEY PUBLIC SCHOOL**

Address of each designated facility **Highway 595, KAKABEKA FALLS, ONT. P0T 1W0**

Interested Authority for each designated facility served: **MINISRTRY OF EDUCATION**

Number of Public facilities served by the drinking-water system: **ONE**

Name and address of each public facility served by the drinking-water system:

Gillies Township Office

Highway 595, Kakabeka Falls, ON P0T 1W0

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: **NO**

GUDI: **YES**

Number of wells: **ONE**

2. Sample location names:

Raw: **WELL OUTLET**

Treated Water: **Pump Room**

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 1-micron absolute filter**
- Filter Medium Macrolite Granular**
- 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

3. 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:

No adverse conditions for this reporting period.

4. Summary of results

Microbiological parameters:

LOCATION	Number taken	Range of E. coli or Fecal results (Min-Max)	Range of Total coliform results (Min-Max)	Range of Background or HPC results (Min – Max)
Raw	23	0	0 to 18	ABSENT
Distribution	23	ABSENT	ABSENT	0 to 82

5. 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	Sampling date in this reporting period	Result Value mg/L
Nitrate and Nitrite as N	June	1.38
Nitrate-N		1.38
Nitrite-N		<0.010
Nitrate and Nitrite as N	September	0.929
Nitrate-N		0.929
Nitrite-N		<0.010
Nitrate and Nitrite as N	December	1.23
Nitrate-N		1.23
Nitrite-N		<0.010
Nitrate and Nitrite as N	March	0.748
Nitrate-N		0.748
Nitrite-N		<0.010
Lead (Pb) Standing Lead (Pb) Flushed	May 2021	1A 5.6 1B 3.3 2A 24.2 2B 23.3 3A 16.5 3B 5.5
Sample 2 became a handwash only sink		

5 Year sampling results were completed in 2020.

Next 60 month tests are due in 2025.

6. For a parameter not required during this reporting period, please report the most recent results for that parameter:

Parameter Name: **Sodium**

Total number of samples: **one**

Number of samples for each sample type-Raw/Treated/Distribution:

Raw samples: 1

Result Value: 64.8 mg/L. Ontario Standard is 20 mg/L.

Drinking water advisory issued by Thunder Bay District Health Unit.

Describe corrective action for each adverse issue: Notified Thunder Bay District Health Unit June 2006/February 2010/June 2015. An alternative drinking water is available for people with health risks. Information has been posted at the school and sent home to parents.

7. Major expenses incurred during the period covered by the report:

To install required equipment: **N/A**

To repair equipment: **N/A**

To replace equipment: **N/A**

8. 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 office or the Board's web site

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

Web – www.lakeheadschoools.ca

Date of the report: May 5, 2022

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