



**Tiny** TOWNSHIP OF / CANTON DE

**The Corporation of the Township of Tiny**

**Water Department**

# **2024 Annual Drinking Water Reports**

Bluewater  
Castle Cove  
Cook's Lake  
Georgian Bay Estates  
Lafontaine  
Lefaive  
Pennorth  
Perkinsfield

Rayko  
Sawlog Bay  
Tee Pee Point  
Thunder Bay  
Vanier Woods  
Whippoorwill  
Woodland Beach  
Wyevale

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## Township of Tiny 2024 Annual Drinking Water Reports

### Bluewater Drinking Water System

**Drinking Water System Number:** 220005269

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Bluewater Drinking Water System is comprised of two pump stations, three groundwater wells, one storage reservoir, and approximately 8.6 km of distribution watermain. The system serves 327 properties, with 86 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

Distribution Service Repairs	\$15,707.24
PH 8 & PH 18 Electrical Repairs	\$1,745.03
PH 18 Generator Service and Repair	\$912.38
PH 8 & PH 18 Piping Repairs	\$3,207.04
PH 8 & PH 18 Chemical Tank Replacement	\$845.63
PH 8 Pressure Tank (x2)	\$3,027.36
PH 8 Door Repair	\$503.47
PH 18 Generator Transfer Switch	\$16,269.26
Distribution Hydrant Painting	\$2,416.80
<b>Total Expenditure:</b>	<b>\$44,644.20</b>

**6. Details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-08-12	Microbiological	2	CFU/100mL	Resample- results negative	2024-08-14

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	159	0	0	n/a	n/a
Treated	106	0	0	106	<10-100
Distribution	106	0	2	38	<10-1790

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	36	0.04	0.50	NTU
Chlorine – Treated	312	0.84	2.65	mg/L
Chlorine - Distribution	368	1.01	2.19	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O.Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Results	Unit of Measure	Exceedance
		PH 08	PH 18		
Alkalinity	2024	152-183*		mg/L	no
Antimony	2024-05-28	<0.0001	<0.0001	mg/L	no
Arsenic	2024-05-28	0.0007	0.0004	mg/L	no
Barium	2024-05-28	0.052	0.072	mg/L	no
Boron	2024-05-28	0.01	0.009	mg/L	no
Cadmium	2024-05-28	<0.000015	<0.000015	mg/L	no
Chromium	2024-05-28	<0.0010	<0.0010	mg/L	no
Mercury	2024-05-28	<0.00002	<0.00002	mg/L	no
Selenium	2024-05-28	<0.001	<0.001	mg/L	no
Uranium	2024-05-28	0.00067	0.00116	mg/L	no
Fluoride	2023-02-13	<0.1	<0.1	mg/L	no
Sodium	2023-02-13	7.0	5.9	mg/L	no
Lead	2024	0.03 - 0.19*		ug/L	no
Nitrite	2024	<0.05	<0.05	mg/L	no
Nitrate	2024	<0.05	0.06-0.11	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 08	PH 18		
Alachlor	2024-05-28	<0.3	<0.3	µg/L	no
Atrazine + dealkylated metabolites	2024-05-28	<0.5	<0.5	µg/L	no
Azinphos-methyl	2024-05-28	<1	<1	µg/L	no
Benzene	2024-05-28	<0.5	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-28	<0.006	<0.006	µg/L	no
Bromoxynil	2024-05-28	<0.5	<0.5	µg/L	no
Carbaryl	2024-05-28	<3	<3	µg/L	no
Carbofuran	2024-05-28	<1	<1	µg/L	no
Carbon Tetrachloride	2024-05-28	<0.2	<0.2	µg/L	no
Chlorpyrifos	2024-05-28	<0.5	<0.5	µg/L	no
Diazinon	2024-05-28	<1	<1	µg/L	no
Dicamba	2024-05-28	<1	<1	µg/L	no
1,2-Dichlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
1,2-Dichloroethane	2024-05-28	<0.5	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-28	<0.5	<0.5	µg/L	no
Dichloromethane	2024-05-28	<5	<5	µg/L	no
2,4-Dichlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-28	<1	<1	µg/L	no
Diclofop-methyl	2024-05-28	<0.9	<0.9	µg/L	no
Dimethoate	2024-05-28	<1	<1	µg/L	no
Diquat	2024-05-28	<5	<5	µg/L	no
Diuron	2024-05-28	<5	<5	µg/L	no
Glyphosate	2024-05-28	<25	<25	µg/L	no
Malathion	2024-05-28	<5	<5	µg/L	no
MCPA	2024-05-28	<10	<10	µg/L	no
Metolachlor	2024-05-28	<3	<3	µg/L	no
Metribuzin	2024-05-28	<3	<3	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	µg/L	No
Paraquat	2024-05-28	<1	<1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Phorate	2024-05-28	<0.3	<0.3	µg/L	no
Picloram	2024-05-28	<5	<5	µg/L	no

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 08	PH 18		
Polychlorinated Biphenyls (PCB)	2024-05-28	<0.05	<0.05	µg/L	no
Prometryne	2024-05-28	<0.1	<0.1	µg/L	no
Simazine	2024-05-28	<0.5	<0.5	µg/L	no
Terbufos	2024-05-28	<0.5	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2024-05-28	<0.5	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Triallate	2024-05-28	<10	<10	µg/L	no
Trichloroethylene	2024-05-28	<0.5	<0.5	µg/L	no
2,4,6-Trichlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Trifluralin	2024-05-28	<0.5	<0.5	µg/L	no
Vinyl Chloride	2024-05-28	<0.2	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	5.3	µg/L	no
Trihalomethanes Average	6	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2023 Annual Drinking Water Report

### Castle Cove Drinking Water System

**Drinking Water System Number:** 220005296

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Castle Cove Drinking Water System is comprised of five drilled groundwater wells, three pumpstations, and approximately 5.2 km of distribution watermain. The system serves 175 properties, with 91 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)



**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

Distribution Service Repairs	\$14,868.86
PH 4 & PH 13 Electrical Repair	\$2,241.16
PH 4 & PH 30 Generator Service and Repair	\$2,324.57
PH 4, PH 13 & PH 30 Piping Repair	\$2,129.31
PH 4, PH 13 & PH 30 Chemical Tank	\$1,316.78
Distribution Valve Repair	\$516.21
PH 30 Pre-Contact Analyzer	\$6,548.25
<b>Total Expenditure:</b>	<b>\$29,945.14</b>

**6. Details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
<i>None</i>					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
<b>Raw</b>	265	0	0-10	n/a	n/a
<b>Treated</b>	159	0	0	156	<10-80
<b>Distribution</b>	106	0	0	34	<10-602

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	60	0.04	0.98	NTU
Chlorine – Treated	468	1.11	2.24	mg/L
Chlorine - Distribution	368	0.19	2.08	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O.Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Results	Results	Unit of Measure	Exceedance
		PH 04	PH 13	PH 30		
Alkalinity	2024	143-198*			mg/L	no
Antimony	2024-05-28	<0.0001	<0.0001	<0.0001	mg/L	no
Arsenic	2024-05-28	0.0003	0.0002	0.0002	mg/L	no
Barium	2024-05-28	0.024	0.022	0.022	mg/L	no
Boron	2024-05-28	0.006	<0.005	0.007	mg/L	no
Cadmium	2024-05-28	<0.000015	<0.000015	<0.000015	mg/L	no
Chromium	2024-05-28	<0.0010	<0.0010	<0.0010	mg/L	no
Mercury	2024-05-28	<0.00002	<0.00002	<0.00002	mg/L	no
Selenium	2024-05-28	0.001	<0.001	<0.001	mg/L	no
Uranium	2024-05-28	0.00379	0.0110	0.00166	mg/L	no
Fluoride	2023-02-13	<0.1	<0.1	<0.1	mg/L	no
Sodium	2023-02-13	7.2	5.2	5.6	mg/L	no
Lead	2024	0.02-0.04 *			µg/L	no
Nitrite	2024	<0.05	<0.05	<0.05	mg/L	no
Nitrate	2024	2.16-2.52	4.43-4.71	<0.05-0.08	mg/L	no

\*Distribution Sample

### 11. Summary of O. Reg. Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results	Results	Results	Unit	Exceedance
		PH 04	PH 13	PH 30		
Alachlor	2024-05-28	<0.3	<0.3	<0.3	µg/L	no
Atrazine + metabolites	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Azinphos-methyl	2024-05-28	<1	<1	<1	µg/L	no
Benzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-28	<0.006	<0.006	<0.006	µg/L	no
Bromoxynil	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Carbaryl	2024-05-28	<3	<3	<3	µg/L	no
Carbofuran	2024-05-28	<1	<1	<1	µg/L	no
Carbon Tetrachloride	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Chlorpyrifos	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Diazinon	2024-05-28	<1	<1	<1	µg/L	no
Dicamba	2024-05-28	<1.0	<1.0	<1.0	µg/L	no
1,2-Dichlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
1,2-Dichloroethane	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Dichloromethane	2024-05-28	<5	<5	<5	µg/L	no
2,4-Dichlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-28	<1.0	<1.0	<1.0	µg/L	no
Diclofop-methyl	2024-05-28	<0.9	<0.9	<0.9	µg/L	no
Dimethoate	2024-05-28	<1	<1	<1	µg/L	no
Diquat	2024-05-28	<5	<5	<5	µg/L	no
Diuron	2024-05-28	<5	<5	<5	µg/L	no
Glyphosate	2024-05-28	<25	<25	<25	µg/L	no
Malathion	2024-05-28	<5	<5	<5	µg/L	no
MCPA	2024-05-28	<10	<10	<10	µg/L	no
Metolachlor	2024-05-28	<3	<3	<3	µg/L	no
Metribuzin	2024-05-28	<3	<3	<3	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Paraquat	2024-05-28	<1	<1	<1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Paraquat	2024-05-28	<1	<1	<1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no

Parameter	Sample Date	Results	Results	Results	Unit	Exceedance
		PH 04	PH 13	PH 30		
Phorate	2024-05-28	<0.3	<0.3	<0.3	µg/L	No
Picloram	2024-05-28	<5	<5	<5	µg/L	no
Polychlorinated Biphenyls (PCB)	2024-05-28	<0.05	<0.05	<0.05	µg/L	no
Prometryne	2024-05-28	<0.1	<0.1	<0.1	µg/L	no
Simazine	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Terbufos	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Triallate	2024-05-28	<10	<10	<10	µg/L	no
Trichloroethylene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
2,4,6-Trichlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Trifluralin	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Vinyl Chloride	2024-05-28	<0.2	<0.2	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	5.3	µg/L	no
Trihalomethanes Average	6	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
None			



## Township of Tiny 2024 Annual Drinking Water Report

### Cook's Lake Drinking Water System

**Drinking Water System Number:** 220005278

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Cook's Lake Drinking Water System is comprised of one pumping station, two groundwater wells, one storage reservoir (currently not in use), and approximately 2 km of distribution watermain. The system serves 92 properties, with 11 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 12 Electrical Repair	\$685.05
PH 12 Generator Service and Repair	\$1,081.20
PH 12 Piping Repair	\$683.47
Tree Removal	\$814.08
Distribution Service Repair	\$4,725.73
Metering Program	\$55,062.08
<b>Total Expenditure:</b>	<b>\$63,051.60</b>

**6. Details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
<i>None</i>					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
<b>Raw</b>	58	0	0	n/a	n/a
<b>Treated</b>	29	0	0	n/a	n/a
<b>Distribution</b>	29	0	0	28	<10-250

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.04	0.96	NTU
Chlorine – Treated	156	1.26	1.79	mg/L
Chlorine - Distribution	105	1.28	1.79	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. Schedule 23 inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 12	Unit of Measure	Exceedance
Alkalinity	2024	129-130*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	0.0002	mg/L	no
Barium	2021-05-20	0.024	mg/L	no
Boron	2021-05-20	0.008	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.00122	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	4.3	mg/L	no
Lead	2024	0.02*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	0.13-0.17	mg/L	no

*\*Distribution Sample*

**11. Summary of O. Reg. Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 12	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	<1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	<3	µg/L	no
Carbofuran	2021-05-20	<1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	<0.5	µg/L	no
Diazinon	2021-05-20	<1	µg/L	no
Dicamba	2021-05-20	<10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	<5	µg/L	no
2,4-Dichlorophenol	2021-05-20	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	<10	µg/L	no
Diclofop-methyl	2021-05-20	<0.9	µg/L	no
Dimethoate	2021-05-20	<1	µg/L	no
Diquat	2021-05-20	<5	µg/L	no
Diuron	2021-05-20	<5	µg/L	no
Glyphosate	2021-05-20	<25	µg/L	no
Malathion	2021-05-20	<5	µg/L	no
MCPA	2021-05-20	<10	µg/L	no
Metolachlor	2021-05-20	<3	µg/L	no
Metribuzin	2021-05-20	<3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	<1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no



Parameter	Sample Date	Results PH 12	Unit	Exceedance
Prometryne	2021-05-20	<0.1	µg/L	no
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6- Tetrachlorophenol	2021-05-20	<0.2	µg/L	no
Triallate	2021-05-20	<10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	<0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2024 Annual Drinking Water Report

### Georgian Bay Estates Drinking Water System

**Drinking Water System Number:** 220005287

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Georgian Bay Estates Drinking Water System is comprised of one pumping station, three groundwater wells, one storage reservoir, and approximately 7.6 km of distribution watermain. The system serves 257 properties, with 92 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

Polyphosphate (ClearHib 5)

**4. Significant expenses were incurred to:**

- a. ☒ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

Distribution Hydrant Installation	\$5,141.23
PH 19 Electrical Repair	\$812.26
PH 19 Generator Service and Repair	\$783.55
PH 19 HVAC Repair	\$5,502.67
PH 19 UV Upgrade and Repair	\$78,015.84
PH 19 Chlorine Probe Replacement (x2)	\$6,765.36
PH 19 Piping Repair	\$551.02
Distribution Service Repairs	\$12,844.52
<b>Total Expenditure:</b>	<b>\$110,416.46</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	159	0	0-6	n/a	n/a
Treated	53	0	0	53	<10-60
Distribution	106	0	0	34	<10-10

8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)	Unit	
Turbidity - Raw	36	0.05	0.98	NTU
Chlorine – Treated	156	0.96	1.92	mg/L
Chlorine - Distribution	368	0.87	2.42	mg/L

9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 19	Unit of Measure	Exceedance
Alkalinity	2024	246-253*	mg/L	no
Antimony	2024-05-04	<0.0001	mg/L	no
Arsenic	2024-05-04	0.0002	mg/L	no
Barium	2024-05-04	0.138	mg/L	no
Boron	2024-05-04	0.015	mg/L	no
Cadmium	2024-05-04	<0.000015	mg/L	no
Chromium	2024-05-04	<0.0010	mg/L	no
Mercury	2024-05-04	<0.00002	mg/L	no
Selenium	2024-05-04	<0.001	mg/L	no
Uranium	2024-05-04	0.00033	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	7.9	mg/L	no
Lead	2024	0.02-0.17*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	0.35-0.40	mg/L	no

\*Distribution sample

**11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 19	Unit	Exceedance
Alachlor	2024-05-04	<0.3	µg/L	no
Atrazine + metabolites	2024-05-04	<0.5	µg/L	no
Azinphos-methyl	2024-05-04	<1	µg/L	no
Benzene	2024-05-04	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-04	<0.006	µg/L	no
Bromoxynil	2024-05-04	<0.5	µg/L	no
Carbaryl	2024-05-04	<3	µg/L	no
Carbofuran	2024-05-04	<1	µg/L	no
Carbon Tetrachloride	2024-05-04	<0.2	µg/L	no
Chlorpyrifos	2024-05-04	<0.5	µg/L	no
Diazinon	2024-05-04	<1	µg/L	no
Dicamba	2024-05-04	<1	µg/L	no
1,2-Dichlorobenzene	2024-05-04	<0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-04	<0.5	µg/L	no
1,2-Dichloroethane	2024-05-04	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-04	<0.5	µg/L	no
Dichloromethane	2024-05-04	<5	µg/L	no
2,4-Dichlorophenol	2024-05-04	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-04	<1	µg/L	no
Diclofop-methyl	2024-05-04	<0.9	µg/L	no
Dimethoate	2024-05-04	<1	µg/L	no
Diquat	2024-05-04	<5	µg/L	no
Diuron	2024-05-04	<5	µg/L	no
Glyphosate	2024-05-04	<25	µg/L	no
Malathion	2024-05-04	<5	µg/L	no
MCPA	2024-05-04	<10	µg/L	no
Metolachlor	2024-05-04	<3	µg/L	no
Metribuzin	2024-05-04	<3	µg/L	no
Monochlorobenzene	2024-05-04	<0.5	µg/L	no
Paraquat	2024-05-04	<1	µg/L	no
Pentachlorophenol	2024-05-04	<0.2	µg/L	no
Phorate	2024-05-04	<0.3	µg/L	no
Picloram	2024-05-04	<5	µg/L	no

## Township of Tiny 2024 Annual Drinking Water Report

Parameter	Sample Date	Results PH 19	Unit	Exceedance
Polychlorinated Biphenyls (PCB)	2024-05-04	<0.05	µg/L	no
Prometryne	2024-05-04	<0.1	µg/L	no
Simazine	2024-05-04	<0.5	µg/L	no
Terbufos	2024-05-04	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2024-05-04	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-04	<0.2	µg/L	no
Triallate	2024-05-04	<10	µg/L	no
Trichloroethylene	2024-05-04	<0.5	µg/L	no
2,4,6-Trichlorophenol	2024-05-04	<0.2	µg/L	no
Trifluralin	2024-05-04	<0.5	µg/L	no
Vinyl Chloride	2024-05-04	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	7.5	µg/L	no
Trihalomethanes Average	22	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2024 Annual Drinking Water Report

### Lafontaine Drinking Water System

**Drinking Water System Number:** 220006277

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2023

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There is one Designated Facility served by this Drinking Water System. A copy of this annual report was provided to the Designated Facility and is also available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Lafontaine Drinking Water System is comprised of three pumping stations, six groundwater wells, one underground storage reservoir, one elevated storage tank, one booster station and approximately 26.5 km of distribution watermain. The system serves 882 properties, with 122 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☒ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

Well 14-2 WHPA Modelling	\$2,108.96
PH 2 Chemical Tank	\$483.36
PH 1 Well Drilling	\$90,367.77
PH 14 Electrical Repair	\$711.03
PH 2, PH 14 & PH 23 Piping Repair	\$26,065.26
PH 14 Chemical Tank	\$483.36
PH 14 Datalogger	\$2,035.20
PH 14 Pump Replacement	\$796.78
PH 23 Emergency Repair	\$15,029.35
PH 14 & PH 23 Generator Service and Repair	\$1,053.21
Distribution Service Repairs	\$18,234.83

**Total Expenditure: \$157,369.11**

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	318	0	0	n/a	n/a
Treated	159	0	0	159	<10-30
Distribution	135	0	0	51	<10-200



**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	72	0.04	0.99	NTU
Chlorine – Treated	467	0.98	2.01	mg/L
Chlorine - Distribution	368	0.16	1.74	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
MDWL-Nov 19, 2020	Nitrate PH 23	2024-01-02	5.60	mg/L
		2024-01-15	5.20	mg/L
		2024/01/29	4.96	mg/L
		2024/02/12	5.24	mg/L
		2024/02/26	5.48	mg/L
		2024/03/11	5.18	mg/L
		2024/03/25	5.33	mg/L
		2024/04/08	5.27	mg/L
		2024/04/22	4.88	mg/L
		2024/05/06	5.57	mg/L
		2024/05/20	6.46	mg/L
		2024/06/03	6.77	mg/L
		2024/06/17	7.11	mg/L
		2024/07/01	7.12	mg/L
		2024/07/15	7.14	mg/L
		2024/07/29	7.09	mg/L
		2024/08/12	6.89	mg/L
		2024/08/26	6.97	mg/L
		2024/09/09	6.80	mg/L
		2024/09/23	7.09	mg/L
		2024/10/07	6.93	mg/L
		2024/10/21	6.58	mg/L
		2024/11/04	6.32	mg/L
		2024/11/18	6.52	mg/L
		2024/12/02	6.54	mg/L
		2024/12/16	6.30	mg/L
		2024/12/23	6.37	mg/L

### 10. Summary of O. Reg. Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 02	Results PH 14	Results PH 23	Unit of Measure	Exceedance
Alkalinity	2024	168-199*			mg/L	no
Antimony	2024-05-28	<0.0001	<0.0001	<0.0001	mg/L	no
Arsenic	2024-05-28	0.0001	0.0003	0.0002	mg/L	no
Barium	2024-05-28	0.068	0.061	0.051	mg/L	no
Boron	2024-05-28	0.01	0.007	0.006	mg/L	no
Cadmium	2024-05-28	<0.000015	<0.000015	<0.000015	mg/L	no
Chromium	2024-05-28	0.001	<0.0010	<0.0010	mg/L	no
Mercury	2024-05-28	<0.00002	<0.00002	<0.00002	mg/L	no
Selenium	2024-05-28	<0.001	<0.001	<0.001	mg/L	no
Uranium	2024-05-28	0.00244	0.00395	0.00243	mg/L	no
Fluoride	2023-02-13	<0.1	<0.1	<0.1	mg/L	no
Sodium	2023-02-13	9.5	7.2	8.2	mg/L	no
Lead	2024	0.01-0.22*			µg/L	no
Nitrite	2024	<0.05-0.08	<0.05-0.08	<0.05	mg/L	no
Nitrate	2024	5.9-6.5	7.6-9.1	7.1-7.8	mg/L	no

\*Distribution sample

### 11. Summary of O. Reg. Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	PH 02	PH 14	PH 23	Unit	Exceedance
Alachlor	2024-05-28	<0.3	<0.3	<0.3	µg/L	no
Atrazine + metabolites	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Azinphos-methyl	2024-05-28	<1	<1	<1	µg/L	no
Benzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-28	<0.006	<0.006	<0.006	µg/L	no
Bromoxynil	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Carbaryl	2024-05-28	<3	<3	<3	µg/L	no
Carbofuran	2024-05-28	<1	<1	<1	µg/L	no
Carbon Tetrachloride	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Chlorpyrifos	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Diazinon	2024-05-28	<1	<1	<1	µg/L	no
Dicamba	2024-05-28	<1	<1	<1	µg/L	no
1,2-Dichlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no

Parameter	Sample Date	PH 02	PH 14	PH 23	Unit	Exceedance
1,2-Dichloroethane	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Dichloromethane	2024-05-28	<5	<5	<5	µg/L	no
2,4-Dichlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-28	<1	<1	<1	µg/L	no
Diclofop-methyl	2024-05-28	<0.9	<0.9	<0.9	µg/L	no
Dimethoate	2024-05-28	<1	<1	<1	µg/L	no
Diquat	2024-05-28	<5	<5	<5	µg/L	no
Diuron	2024-05-28	<5	<5	<5	µg/L	no
Glyphosate	2024-05-28	<25	<25	<25	µg/L	no
Malathion	2024-05-28	<5	<5	<5	µg/L	no
MCPA	2024-05-28	<10	<10	<10	µg/L	no
Metolachlor	2024-05-28	<3	<3	<3	µg/L	no
Metribuzin	2024-05-28	<3	<3	<3	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Paraquat	2024-05-28	<1	<1	<1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Phorate	2024-05-28	<0.3	<0.3	<0.3	µg/L	no
Picloram	2024-05-28	<5	<5	<5	µg/L	no
Polychlorinated Biphenyls (PCB)	2024-05-28	<0.05	<0.05	<0.05	µg/L	no
Prometryne	2024-05-28	<0.1	<0.1	<0.1	µg/L	no
Simazine	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Terbufos	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-28	<0.2	<0.2	<0.2	µg/L	no
Triallate	2024-05-28	<10	<10	<10	µg/L	no
Trichloroethylene	2024-05-28	<0.5	<0.5	<0.5	µg/L	no
Vinyl Chloride	2024-05-28	<0.2	<0.2	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Avg. East	4.3	µg/L	no
Haloacetic Acids Avg. West	4.4	µg/L	no
Trihalomethanes Avg. East	7	µg/L	no
Trihalomethanes Avg. West	8	µg/L	no

The Lafontaine drinking water system is licensed as a single Drinking Water System. However, as a Best Management Practice, the Water Department conducts separate sampling for Trihalomethanes and Haloacetic Acids at both the East and West ends of the system, given the differing water quality characteristics on each side.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
Nitrates	Various	mg/L	See note below

The ongoing nitrate issue in Lafontaine is being closely monitored. As outlined in Section 9 above, a detailed chart is provided indicating the additional sampling requirements. Historically, nitrate levels have periodically exceeded 50% of the recommended threshold, necessitating these additional measures to ensure compliance with regulatory standards.



## Township of Tiny 2024 Annual Drinking Water Report

### Lefaive Drinking Water System

**Drinking Water System Number:** 220005321

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Lefaive Drinking Water System is comprised of one pumping station, two groundwater wells, and approximately 1.4 km of distribution watermain. The system serves 69 properties, with 17 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☒ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☒ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

Watermain Replacement	\$204,911.42
PH 3 Electrical Repair	\$1,171.96
PH 3 Generator Service and Repair	\$885.31
PH 3 Chemical Tank	\$471.15
PH 3 Piping Repair	\$712.01
PH 3 Pressure Tank (x2)	\$3,027.36
PH 3 Pre-Contact Analyzer	\$6,548.25
<b>Total Expenditure:</b>	<b>\$217,727.46</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-08-29	Lead	35.1	µg/L	Resampled- Result of 0.004 µg/L. Cause inadequate flushing during sampling	2024-09-04

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	<10-30

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.14	0.86	NTU
Chlorine – Treated	156	1.32	1.79	mg/L
Chlorine - Distribution	105	1.00	1.73	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 03	Unit of Measure	Exceedance
Alkalinity	2024	255-264*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	0.0001	mg/L	no
Barium	2021-05-20	0.055	mg/L	no
Boron	2021-05-20	0.013	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.0007	mg/L	no
Fluoride	2025-02-13	<0.1	mg/L	no
Sodium	2025-02-13	9.6	mg/L	no
Lead	2024	0.04-0.05*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	0.19-0.29	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 03	Unit	Exceedance
Alachlor	20-May-21	<0.3	µg/L	no
Atrazine + metabolites	20-May-21	<0.5	µg/L	no
Azinphos-methyl	20-May-21	<1	µg/L	no
Benzene	20-May-21	<0.5	µg/L	no
Benzo(a)pyrene	20-May-21	<0.006	µg/L	no
Bromoxynil	20-May-21	<0.5	µg/L	no
Carbaryl	20-May-21	< 3	µg/L	no
Carbofuran	20-May-21	<1	µg/L	no
Carbon Tetrachloride	20-May-21	<0.2	µg/L	no
Chlorpyrifos	20-May-21	<0.5	µg/L	no
Diazinon	20-May-21	< 1	µg/L	no
Dicamba	20-May-21	< 10	µg/L	no
1,2-Dichlorobenzene	20-May-21	<0.5	µg/L	no
1,4-Dichlorobenzene	20-May-21	<0.5	µg/L	no
1,2-Dichloroethane	20-May-21	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	20-May-21	< 0.5	µg/L	no
Dichloromethane	20-May-21	< 5	µg/L	no
2,4-Dichlorophenol	20-May-21	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	20-May-21	<0.10	µg/L	no
Diclofop-methyl	20-May-21	< 0.9	µg/L	no
Dimethoate	20-May-21	< 1	µg/L	no
Diquat	20-May-21	< 5	µg/L	no
Diuron	20-May-21	< 5	µg/L	no
Glyphosate	20-May-21	< 25	µg/L	no
Malathion	20-May-21	< 5	µg/L	no
MCPA	20-May-21	<10	µg/L	no
Metolachlor	20-May-21	< 3	µg/L	no
Metribuzin	20-May-21	< 3	µg/L	no
Monochlorobenzene	20-May-21	<0.5	µg/L	no
Paraquat	20-May-21	<1	µg/L	no
Pentachlorophenol	20-May-21	<0.2	µg/L	no
Phorate	20-May-21	<0.3	µg/L	no
Picloram	20-May-21	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	20-May-21	<0.05	µg/L	no



Parameter	Sample Date	Results PH 03	Unit	Exceedance
Prometryne	20-May-21	<0.1	µg/L	no
Simazine	20-May-21	<0.5	µg/L	no
Terbufos	20-May-21	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	20-May-21	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	20-May-21	<0.2	µg/L	no
Triallate	20-May-21	< 10	µg/L	no
Trichloroethylene	20-May-21	<0.5	µg/L	no
2,4,6-Trichlorophenol	20-May-21	<0.2	µg/L	no
Trifluralin	20-May-21	<0.5	µg/L	no
Vinyl Chloride	20-May-21	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2024 Annual Drinking Water Report

### Pennorth Drinking Water System

**Drinking Water System Number:** 220005358

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Pennorth Drinking Water System is comprised of one pumping station, two groundwater wells, and approximately 0.7 km of distribution watermain. The system serves 32 properties, with 7 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 7 Electrical Repair	\$670.62
PH 7 Generator Service and Repair	\$1,414.99
PH 7 Piping Repair	\$551.02
Distribution Service Repair	\$3,605.77
PH 7 Backflow Preventor	\$544.42
<b>Total Expenditure:</b>	<b>\$6,786.82</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	<10-420

8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)	Unit	
Turbidity - Raw	24	0.06	0.95	NTU
Chlorine – Treated	156	1.38	2.01	mg/L
Chlorine - Distribution	105	0.77	2.03	mg/L

9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 07	Unit of Measure	Exceedance
Alkalinity	2024	214-231*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	0.0001	mg/L	no
Barium	2021-05-20	0.027	mg/L	no
Boron	2021-05-20	0.009	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.00073	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	5.8	mg/L	no
Lead	2024	0.07-0.14*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.07-0.10	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 07	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	<1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	< 0.2	µg/L	no
Chlorpyrifos	2021-05-20	<0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	< 0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	< 0.5	µg/L	no
1,2-dichloroethane	2021-05-20	< 0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	< 0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	< 0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	<25	µg/L	no
Malathion	2021-05-20	<5	µg/L	no
MPCA	2021-05-20	<10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	< 0.2	µg/L	no
Phorate	2021-05-20	< 0.3	µg/L	no
Picloram	2021-05-20	< 15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no
Prometryne	2021-05-20	<0.1	µg/L	no

Parameter	Sample Date	Results PH 07	Unit	Exceedance
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.2	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	< 0.2	µg/L	no
Triallate	2021-05-20	< 10	µg/L	no
Trichloroethylene	2021-05-20	<0.2	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	<0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2024 Annual Drinking Water Report

### Perkinsfield Drinking Water System

**Drinking Water System Number:** 220005544

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Perkinsfield Drinking Water System is comprised of two pumping stations, four groundwater wells (only three are currently in use), two storage reservoirs, and approximately 10.2 km of distribution watermain. The system serves 211 properties, with 9 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 22 & PH 26 Electrical Repair	\$1,479.84
PH 22 & PH 26 Chemical Tank	\$954.51
PH 22 & PH 26 Datalogger Replacement	\$4,070.40
Distribution Yard Hydrant Repair	\$8,866.70
Distribution Hydrant Painting	\$2,416.80
PH 26 Generator Service and Repair	\$732.67
PH 22 & PH 26 Piping Repair	\$5,176.91
PH 22 Pump Replacement	\$3,573.82
PH 26 Reservoir Cleaning	\$10,705.94
Metering Program	\$57,349.47
Distribution Service Repairs	\$2,598.95
<b>Total Expenditure:</b>	<b>\$97,971.01</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-06-26	Microbiological	3	CFU/100mL	Resample- results negative	2024-08-14

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	159	0	0	n/a	n/a
Treated	106	0	0	106	<10-490
Distribution	106	0	3	40	<10-370



**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	36	0.08	0.84	NTU
Chlorine – Treated	312	0.91	2.21	mg/L
Chlorine - Distribution	368	0.50	2.19	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Results	Unit of Measure	Exceedance
		PH 22	PH 26		
Alkalinity	2024	153-243*		mg/L	no
Antimony	2024-05-28	<0.0001	<0.0001	mg/L	no
Arsenic	2024-05-28	<0.0001	0.0004	mg/L	no
Barium	2024-05-28	0.068	0.021	mg/L	no
Boron	2024-05-28	0.016	0.2	mg/L	no
Cadmium	2024-05-28	<0.000015	0.000023	mg/L	no
Chromium	2024-05-28	<0.0010	<0.0010	mg/L	no
Mercury	2024-05-28	<0.00002	<0.00002	mg/L	no
Selenium	2024-05-28	<0.001	<0.001	mg/L	no
Uranium	2024-05-28	0.00238	0.00048	mg/L	no
Fluoride	2023-02-13	<0.1	0.6	mg/L	no
Sodium	2023-02-13	28.1	46.8	mg/L	no
Lead	2024	<0.03-0.31		µg/L	no
Nitrite	2024	<0.05	<0.05	mg/L	no
Nitrate	2024	1.40-2.20	<0.05	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 22	PH 26		
Alachlor	2024-05-28	<0.3	<0.3	µg/L	no
Atrazine + metabolites	2024-05-28	<0.5	<0.5	µg/L	no
Azinphos-methyl	2024-05-28	< 1	< 1	µg/L	no
Benzene	2024-05-28	<0.5	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-28	<0.006	<0.006	µg/L	no
Bromoxynil	2024-05-28	<0.5	<0.5	µg/L	no
Carbaryl	2024-05-28	< 3	< 3	µg/L	no
Carbofuran	2024-05-28	< 1	< 1	µg/L	no
Carbon Tetrachloride	2024-05-28	< 0.2	< 0.2	µg/L	no
Chlorpyrifos	2024-05-28	< 0.5	<0.5	µg/L	no
Diazinon	2024-05-28	< 1	< 1	µg/L	no
Dicamba	2024-05-28	< 1	< 1	µg/L	no
1,2-Dichlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
1,2-dichloroethane	2024-05-28	<0.5	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-28	<0.5	<0.5	µg/L	no
Dichloromethane	2024-05-28	<5	< 5	µg/L	no
2,4-Dichlorophenol	2024-05-28	< 0.2	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-28	< 1	< 1	µg/L	no
Diclofop-methyl	2024-05-28	< 0.9	< 0.9	µg/L	no
Dimethoate	2024-05-28	< 1	< 1	µg/L	no
Diquat	2024-05-28	< 5	< 5	µg/L	no
Diuron	2024-05-28	< 5	< 5	µg/L	no
Glyphosate	2024-05-28	< 25	< 25	µg/L	no
Malathion	2024-05-28	< 5	< 5	µg/L	no
MCPA	2024-05-28	< 10	< 10	µg/L	no
Metolachlor	2024-05-28	< 3	< 3	µg/L	no
Metribuzin	2024-05-28	< 3	< 3	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
Paraquat	2024-05-28	< 1	< 1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Phorate	2024-05-28	<0.3	<0.3	µg/L	no
Picloram	2024-05-28	< 15	< 15	µg/L	no

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 22	PH 26		
Polychlorinated Biphenyls (PCB)	2024-05-28	<0.05	<0.05	µg/L	no
Prometryne	2024-05-28	<0.1	<0.1	µg/L	no
Simazine	2024-05-28	<0.5	<0.5	µg/L	no
Terbufos	2024-05-28	<0.5	<0.5	µg/L	no
Tetrachloroethylene	2024-05-28	<0.5	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Triallate	2024-05-28	<10	<10	µg/L	no
Trichloroethylene	2024-05-28	<0.5	<0.5	µg/L	no
2,4,6-Trichlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Trifluralin	2024-05-28	<0.5	<0.5	µg/L	no
Vinyl Chloride	2024-05-28	<0.2	<0.2	µg/L	no

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	21.2	µg/L	no
Trihalomethanes Average	86	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
Trihalomethanes	63	µg/L	2024-02-22
Trihalomethanes	101	µg/L	2024-05-28
Trihalomethanes	108	µg/L	2024-08-26
Trihalomethanes	73	µg/L	2024-11-25



## Township of Tiny 2024 Annual Drinking Water Report

### Rayko Drinking Water System

**Drinking Water System Number:** 220005367

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Rayko Drinking Water System is comprised of one pumping station, two groundwater wells, one storage reservoir (currently not in use), and approximately 1.4 km of distribution watermain. The system serves 43 properties, with 9 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 6 Electrical Repairs	\$1,210.94
PH 6 Emergency Generator Repair	\$2,987.88
PH 6 Generator Service and Repair	\$563.72
PH 6 Chemical Tank	\$471.15
PH 6 Piping Repair	\$872.99
PH 6 Pre-Contact Analyzer	\$6,548.25
<b>Total Expenditure:</b>	<b>\$12,654.93</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-01-17	Microbiological	1	CFU/100mL	Resample- results negative	2024-01-18

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	1	29	<10-290

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.25	0.92	NTU
Chlorine – Treated	156	1.27	1.80	mg/L
Chlorine - Distribution	105	1.28	1.81	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Unit of Measure	Exceedance
		PH 06		
Alkalinity	2024	137-141*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	0.0002	mg/L	no
Barium	2021-05-20	0.060	mg/L	no
Boron	2021-05-20	0.009	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.00016	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	6.2	mg/L	no
Lead	2024	0.003*	mg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.05	mg/L	no

*\*Distribution Sample*

**11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 06	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	< 1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	<0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	<5	µg/L	no
2,4-Dichlorophenol	2021-05-20	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	<10	µg/L	no
Diclofop-methyl	2021-05-20	<0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	<5	µg/L	no
Diuron	2021-05-20	<5	µg/L	no
Glyphosate	2021-05-20	<25	µg/L	no
Malathion	2021-05-20	<5	µg/L	no
MCPA	2021-05-20	<10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no
Prometryne	2021-05-20	<0.1	µg/L	no

Parameter	Sample Date	Results PH 06	Unit	Exceedance
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	<0.2	µg/L	no
Triallate	2021-05-20	<10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	<0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
None			





## Township of Tiny 2024 Annual Drinking Water Report

### Sawlog Bay Drinking Water System

**Drinking Water System Number:** 220006259

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Sawlog Bay Drinking Water System is comprised of one pumping station, two groundwater wells, one storage reservoir, and approximately 1.5 km of distribution watermain. The system serves 55 properties, with 15 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)  
Polyphosphate (ClearHib 5)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 16 Generator Service and Repair	\$671.62
PH 16 Reservoir Probe Replacement	\$610.36
PH 16 Chlorine Probe Replacement	\$3,714.24
PH 16 Piping Repair	\$551.02
<b>Total Expenditure:</b>	<b>\$5,547.24</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0-7	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	<10-30

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.07	0.90	NTU
Chlorine – Treated	156	1.05	2.62	mg/L
Chlorine - Distribution	105	0.91	2.14	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Unit of Measure	Exceedance
		PH 16		
Alkalinity	2024	209*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	<0.0001	mg/L	no
Barium	2024	459-566	µg/L	no
Boron	2021-05-20	0.024	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.00024	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	8.5	mg/L	no
Lead	2024	0.07-0.1	µg/L	no
Nitrite	2023	<0.05	mg/L	no
Nitrate	2023	<0.05-0.09	mg/L	no

*\*Distribution Sample*

**11. Summary of O. Reg. 169/03 Schedule Organic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 16	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	< 1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	<0.5	µg/L	no



## Township of Tiny 2024 Annual Drinking Water Report

Parameter	Sample Date	Results PH 16	Unit	Exceedance
Diazinon	2021-05-20	<1	µg/L	no
Dicamba	2021-05-20	<10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	<0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	< 25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
MCPA	2021-05-20	< 10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no
Prometryne	2021-05-20	<0.1	µg/L	no
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	<0.2	µg/L	no
Triallate	2021-05-20	<10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	<0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no



## Township of Tiny 2024 Annual Drinking Water Report

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	46.7	µg/L	no
Trihalomethanes Average	86	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
Haloacetic Acids	44.2	µg/L	13-Feb-23
Haloacetic Acids	51	µg/L	14-Nov-23
Trihalomethanes	60	µg/L	23-May-23
Trihalomethanes	75	µg/L	14-Nov-23
Barium	566	µg/L	2024-02-12
Barium	538	µg/L	2024-05-28
Barium	555	µg/L	2024-11-25



## Township of Tiny 2024 Annual Drinking Water Report

### Tee Pee Point Drinking Water System

**Drinking Water System Number:** 220005394

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Tee Pee Point Drinking Water System is comprised of one pumping station, two groundwater wells, and approximately 2.2 km of distribution watermain. The system serves 94 properties, with 3 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)  
Polyphosphate (ClearHib 5)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 9 Well Maintenance and Rehabilitation	\$9,792.63
PH 9 Distribution Service Repairs	\$11,785.38
PH 9 Electrical Repair	\$285.95
PH 9 Generator Service and Repair	\$574.94
PH 9 Piping Repair	\$712.01
PH 9 Pressure Tanks (x3)	\$3,027.36
PH 9 Tree Removal	\$508.80
PH 9 Pre-Contact Analyzer	\$6,548.25
<b>Total Expenditure:</b>	<b>\$33,235.32</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-05-07	Low Pressure- Main Break	13	PSI	Category 2 main break- results negative	2024-05-09

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	<10-70

8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.11	0.97	NTU
Chlorine – Treated	15	1.05	2.57	mg/L
Chlorine - Distribution	105	0.63	2.26	mg/L

9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 09	Unit of Measure	Exceedance
Alkalinity	2024	209-214*	mg/L	no
Antimony	2021-05-20	<0.0001	mg/L	no
Arsenic	2021-05-20	0.0007	mg/L	no
Barium	2021-05-20	0.059	mg/L	no
Boron	2021-05-20	0.189	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	<0.002	mg/L	no
Mercury	2021-05-20	<0.00002	mg/L	no
Selenium	2021-05-20	<0.001	mg/L	no
Uranium	2021-05-20	0.00040	mg/L	no
Fluoride	2023-02-13	0.2	mg/L	No
Sodium	2023-02-13	24.9	mg/L	Yes**
Sodium Resample	2023-02-13	22.7	mg/L	Yes**
Lead	2024	<0.05-0.54*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.05	mg/L	no

*\*Distribution Sample*



\*\*High concentrations of sodium are naturally occurring in the Tee Pee Point drinking water system. The Simcoe Muskoka District Health unit has been advised of the concentrations.

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 09	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	<1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	< 0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	< 0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	<25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
MCPA	2021-05-20	< 10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no

Parameter	Sample Date	Results PH 09	Unit	Exceedance
Picloram	2021-05-20	< 15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no
Prometryne	2021-05-20	< 0.1	µg/L	no
Simazine	2021-05-20	< 0.5	µg/L	no
Terbufos	2021-05-20	< 0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	<0.2	µg/L	no
Triallate	2021-05-20	< 10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	< 0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
Sodium	24.9	mg/L	2023-02-13
Sodium	22.7	mg/L	2023-02-21



## Township of Tiny 2024 Annual Drinking Water Report

### Thunder Bay Drinking Water System

**Drinking Water System Number:** 220006268

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Thunder Bay Drinking Water System is comprised of one pumping station, two groundwater wells, and approximately 1.1 km of distribution watermain. The system serves 24 properties, with 13 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 20 Electrical Repair	\$142.48
PH 20 Generator Service and Repair	\$574.94
PH 20 Chemical Tank	\$471.15
PH 20 Piping Repair	\$551.02
<b>Total Expenditure:</b>	<b>\$1,739.59</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	<10

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.06	0.97	NTU
Chlorine – Treated	156	1.21	1.74	mg/L
Chlorine - Distribution	105	0.97	2.00	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results PH 20	Unit of Measure	Exceedance
Alkalinity	2024	123-126*	mg/L	no
Antimony	2021-05-20	< 0.0001	mg/L	no
Arsenic	2021-05-20	0.0003	mg/L	no
Barium	2021-05-20	0.108	mg/L	no
Boron	2021-05-20	0.007	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	< 0.002	mg/L	no
Mercury	2021-05-20	< 0.00002	mg/L	no
Selenium	2021-05-20	< 0.001	mg/L	no
Uranium	2021-05-20	0.40	µg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	5.7	mg/L	no
Lead	2024	<0.02*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.05	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 20	Unit	Exceedance
Alachlor	2021-05-20	< 0.3	µg/L	no
Atrazine + metabolites	2021-05-20	< 0.5	µg/L	no
Azinphos-methyl	2021-05-20	< 1	µg/L	no
Benzene	2021-05-20	< 0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	< 0.006	µg/L	no
Bromoxynil	2021-05-20	< 0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	< 0.2	µg/L	no
Chlorpyrifos	2021-05-20	< 0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	< 0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	< 0.5	µg/L	no
1,2-dichloroethane	2021-05-20	< 0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	< 0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	< 0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	< 25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
MCPA	2021-05-20	< 10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	< 0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	< 0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no

Parameter	Sample Date	Results PH 20	Unit	Exceedance
Prometryne	2021-05-20	< 0.1	µg/L	no
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	< 0.2	µg/L	no
Triallate	2021-05-20	<10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	< 0.5	µg/L	no
Vinyl Chloride	2021-05-20	< 0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			



## Township of Tiny 2024 Annual Drinking Water Report

### Vanier Woods Drinking Water System

**Drinking Water System Number:** 220005401

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Vanier Woods Drinking Water System is comprised of one pumping station, two groundwater wells, one storage reservoir, and approximately 1.7 km of distribution watermain. The system serves 75 properties, with 28 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)



**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 15 Electrical Repair	\$427.38
PH 15 Generator Service and Repair	\$1,535.40
PH 15 Piping Repair	\$551.02
<b>Total Expenditure:</b>	<b>\$2,513.80</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
<i>None</i>					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
<b>Raw</b>	58	0	0-6	n/a	n/a
<b>Treated</b>	29	0	0	n/a	n/a
<b>Distribution</b>	29	0	0	29	<10-130

8. Operational testing done  
under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this  
Annual Report:

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)	Unit	
Turbidity - Raw	24	0.08	0.87	NTU
Chlorine – Treated	156	1.25	1.79	mg/L
Chlorine - Distribution	105	0.44	1.73	mg/L

9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results	Unit of Measure	Exceedance
		PH 15		
Alkalinity	2024	151-155*	mg/L	no
Antimony	2021-05-20	< 0.0001	mg/L	no
Arsenic	2021-05-20	0.0006	mg/L	no
Barium	2021-05-20	0.027	mg/L	no
Boron	2021-05-20	0.007	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	< 0.002	mg/L	no
Mercury	2021-05-20	< 0.00002	mg/L	no
Selenium	2021-05-20	< 0.001	mg/L	no
Uranium	2021-05-20	0.00169	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	5.3	mg/L	no
Lead	2024	0.0-0.22*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.05	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/04 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 15	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	< 1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	< 0.2	µg/L	no
Chlorpyrifos	2021-05-20	<0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	< 0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	<0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	<25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
MCPA	2021-05-20	< 10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	<0.3	µg/L	no
Monochlorobenzene	2021-05-20	< 0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	< 0.3	µg/L	no
Picloram	2021-05-20	< 15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	ND	µg/L	no

Parameter	Sample Date	Results PH 15	Unit	Exceedance
Prometryne	20-May-21	<0.1	µg/L	no
Simazine	20-May-21	<0.5	µg/L	no
Terbufos	20-May-21	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	20-May-21	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	20-May-21	<0.2	µg/L	no
Triallate	20-May-21	<10	µg/L	no
Trichloroethylene	20-May-21	<0.5	µg/L	no
2,4,6-Trichlorophenol	20-May-21	<0.2	µg/L	no
Trifluralin	20-May-21	<0.5	µg/L	no
Vinyl Chloride	20-May-21	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
None			



## Township of Tiny 2024 Annual Drinking Water Report

### Whippoorwill Drinking Water System

**Drinking Water System Number:** 220007481

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Whippoorwill Drinking Water System is comprised of one pumping station, two groundwater wells, one storage reservoir, and approximately 2.6 km of distribution watermains. The system serves 70 properties, with 3 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)

**4. Significant expenses were incurred to:**

- a. ☒ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 21 Emergency Repair	\$8,067.36
Distribution Hydrant Installation	\$4,297.73
PH 21 Electrical Repair	\$1,411.50
PH 21 Generator Service and Repair	\$1,333.06
PH 21 Piping Repair	\$853.00
Metering Program	\$72,981.35
<b>Total Expenditure:</b>	<b>\$88,944.00</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	29	0-180

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.08	0.89	NTU
Chlorine – Treated	156	0.82	1.74	mg/L
Chlorine - Distribution	105	0.53	1.56	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Unit of Measure	Exceedance
		21		
Alkalinity	2024	181-193*	mg/L	no
Antimony	2021-05-20	< 0.0001	mg/L	no
Arsenic	2021-05-20	0.0002	mg/L	no
Barium	2021-05-20	0.091	mg/L	no
Boron	2021-05-20	0.017	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	< 0.002	mg/L	no
Mercury	2021-05-20	< 0.00002	mg/L	no
Selenium	2021-05-20	< 0.001	mg/L	no
Uranium	2021-05-20	0.00061	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	9.9	mg/L	no
Lead	2024	0.11-0.22*	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.17-0.68	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 21	Unit	Exceedance
Alachlor	2021-05-20	< 0.3	µg/L	no
Atrazine + metabolites	2021-05-20	< 0.5	µg/L	no
Azinphos-methyl	2021-05-20	< 1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	< 0.006	µg/L	no
Bromoxynil	2021-05-20	< 0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	< 1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	< 0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	<10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	< 0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	< 5	µg/L	no
Glyphosate	2021-05-20	< 25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
MCPA	2021-05-20	< 10	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	<15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no



Parameter	Sample Date	Results PH 21	Unit	Exceedance
Prometryne	2021-05-20	<0.1	µg/L	no
Simazine	2021-05-20	<0.5	µg/L	no
Terbufos	2021-05-20	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	2021-05-20	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2021-05-20	<0.2	µg/L	no
Triallate	2021-05-20	< 10	µg/L	no
Trichloroethylene	2021-05-20	<0.5	µg/L	no
2,4,6-Trichlorophenol	2021-05-20	<0.2	µg/L	no
Trifluralin	2021-05-20	<0.5	µg/L	no
Vinyl Chloride	2021-05-20	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
None			



## Township of Tiny 2024 Annual Drinking Water Report

### Woodland Beach Drinking Water System

**Drinking Water System Number:** 260002330

**Drinking Water System Category:** Small Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There are no Designated Facilities served by this Drinking Water System but a copy of this report is available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Woodland Beach Drinking Water System is comprised of one pumping station, two groundwater wells, and approximately 1.2 km of distribution watermains. The system serves 37 properties, with 8 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)  
Polyphosphate (ClearHib 5)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 25 Emergency Repair	\$508.67
PH 25 Well Pump Replacement	\$5,384.87
PH 25 Generator Service and Repair	\$508.80
PH 25 Chemical Tank	\$746.62
PH 25 Piping Repair	\$712.01
PH 25 Door Repair	\$233.93
PH 25 Tree Removal	\$763.20
PH 25 Chlorine Sensor Replacement	\$3,714.24
PH 25 Pre-Contact Analyzer	\$6,548.25
Distribution Hydrant	\$3,163.21
<b>Total Expenditure:</b>	<b>\$22,283.80</b>

**6. Details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	58	0	0-2	n/a	n/a
Treated	29	0	0	n/a	n/a
Distribution	29	0	0	28	<10-120

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Number of Grab Samples	Range of Results		
		(min #)-(max #)		Unit
Turbidity - Raw	24	0.10	0.65	NTU
Chlorine – Treated	156	0.91	2.04	mg/L
Chlorine - Distribution	105	0.53	1.74	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Unit of Measure	Exceedance
		PH 25		
Alkalinity	2024	172-181*	mg/L	no
Antimony	2021-05-20	< 0.0001	mg/L	no
Arsenic	2021-05-20	0.0004	mg/L	no
Barium	2021-05-20	0.109	mg/L	no
Boron	2021-05-20	0.026	mg/L	no
Cadmium	2021-05-20	<0.000015	mg/L	no
Chromium	2021-05-20	< 0.002	mg/L	no
Mercury	2021-05-20	< 0.00002	mg/L	no
Selenium	2021-05-20	< 0.001	mg/L	no
Uranium	2021-05-20	0.00029	mg/L	no
Fluoride	2023-02-13	<0.1	mg/L	no
Sodium	2023-02-13	11.4	mg/L	no
Lead	2024	0.11-0.38	µg/L	no
Nitrite	2024	<0.05	mg/L	no
Nitrate	2024	<0.05	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results PH 25	Unit	Exceedance
Alachlor	2021-05-20	<0.3	µg/L	no
Atrazine + metabolites	2021-05-20	<0.5	µg/L	no
Azinphos-methyl	2021-05-20	<1	µg/L	no
Benzene	2021-05-20	<0.5	µg/L	no
Benzo(a)pyrene	2021-05-20	<0.006	µg/L	no
Bromoxynil	2021-05-20	<0.5	µg/L	no
Carbaryl	2021-05-20	< 3	µg/L	no
Carbofuran	2021-05-20	<1	µg/L	no
Carbon Tetrachloride	2021-05-20	<0.2	µg/L	no
Chlorpyrifos	2021-05-20	< 0.5	µg/L	no
Diazinon	2021-05-20	< 1	µg/L	no
Dicamba	2021-05-20	< 10	µg/L	no
1,2-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,4-Dichlorobenzene	2021-05-20	<0.5	µg/L	no
1,2-Dichloroethane	2021-05-20	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2021-05-20	<0.5	µg/L	no
Dichloromethane	2021-05-20	< 5	µg/L	no
2,4-Dichlorophenol	2021-05-20	<0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021-05-20	< 10	µg/L	no
Diclofop-methyl	2021-05-20	< 0.9	µg/L	no
Dimethoate	2021-05-20	< 1	µg/L	no
Diquat	2021-05-20	< 5	µg/L	no
Diuron	2021-05-20	<5	µg/L	no
Glyphosate	2021-05-20	< 25	µg/L	no
Malathion	2021-05-20	< 5	µg/L	no
Metolachlor	2021-05-20	< 3	µg/L	no
Metribuzin	2021-05-20	< 3	µg/L	no
Monochlorobenzene	2021-05-20	<0.5	µg/L	no
Paraquat	2021-05-20	< 1	µg/L	no
Pentachlorophenol	2021-05-20	<0.2	µg/L	no
Phorate	2021-05-20	<0.3	µg/L	no
Picloram	2021-05-20	< 15	µg/L	no
Polychlorinated Biphenyls (PCB)	2021-05-20	<0.05	µg/L	no

Parameter	Sample Date	Results PH 25	Unit	Exceedance
Prometryne	20-May-21	<0.1	µg/L	no
Simazine	20-May-21	<0.5	µg/L	no
Terbufos	20-May-21	<0.5	µg/L	no
Tetrachloroethylene (perchloroethylene)	20-May-21	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	20-May-21	<0.2	µg/L	no
Triallate	20-May-21	< 10	µg/L	no
Trichloroethylene	20-May-21	<0.5	µg/L	no
2,4,6-Trichlorophenol	20-May-21	<0.2	µg/L	no
Trifluralin	20-May-21	<0.5	µg/L	no
Vinyl Chloride	20-May-21	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03. Samples for Trihalomethanes and Haloacetic Acids were not collected in 2024 following the reduced sampling schedule for small municipal drinking water systems described in O. Reg 170, Schedule 13. Sampling of Trihalomethanes and Haloacetic Acids will resume in 2025.

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
None			



## Township of Tiny 2024 Annual Drinking Water Report

### Wyevale Drinking Water System

**Drinking Water System Number:** 220005410

**Drinking Water System Category:** Large Municipal Residential

**Owned and Operated by:** The Corporation of the Township of Tiny

**Report covering:** January 1<sup>st</sup> to December 31<sup>st</sup>, 2024

#### 1. Notification and Availability of Reports:

The annual reports and annual summary reports are available to the public at no charge on the Township of Tiny website:

[www.Tiny.ca](http://www.Tiny.ca)

The Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection at the Township of Tiny Municipal Office:

130 Balm Beach Road W,  
Tiny, Ontario  
L0L 2J0

System users were notified that annual reports are available, free of charge, through the Township of Tiny website and when the public requests a report.

This Drinking Water System does not serve more than 10,000 people.

There is one Designated Facility served by this Drinking Water System. A copy of this annual report was provided to the Designated Facility and is also available upon request.

The Township of Tiny does not report to any Interested Authorities.

There are no other Drinking Water Systems that receive all their drinking water from this system.

#### 2. Drinking Water System Descriptions:

The Wyevale Drinking Water System is comprised of two pumping stations, five groundwater wells, one pumping station and reservoir, and approximately 8.4 km of distribution watermain. The system serves 292 properties, with 20 vacant lots slated for future service.

#### 3. Water treatment chemicals used in this reporting period:

Sodium Hypochlorite (Flochem-12)  
Polyphosphate (ClearHib 5)

**4. Significant expenses were incurred to:**

- a. ☐ Install required equipment
- b. ☒ Repair required equipment
- c. ☒ Replace required equipment
- d. ☐ Studies/Engineering

**5. Description and breakdown of monetary expenses incurred:**

PH 17, PH 24 & PH 29 Piping Repair	\$17,858.77
PH 17 & PH 29 Chemical Tank	\$733.69
PH 17 Chlorine Sensor Replacement	\$3,714.24
PH 17 & PH 29 Pre-Contact Analyzer	\$13,096.54
Distribution Hydrant	\$3,229.36
PH 29 Generator Service and Repair	\$636.00
PH 29 Pressure Tank	\$1,513.68
<b>Total Expenditure:</b>	<b>\$40,782.28</b>

**6. Details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre:**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**7. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:**

Sample Locations	Number of Samples	Range of E. Coli results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	318	0	0-1	n/a	n/a
Treated	106	0	0	106	<10-70
Distribution	106	0	0	34	<10-290

**8. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report:**

Parameter	Range of Results
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	Number of Grab Samples	(min #)-(max #)		Unit
<b>Turbidity - Raw</b>	60	0.04	0.94	NTU
<b>Chlorine – Treated</b>	312	0.80	1.89	mg/L
<b>Chlorine - Distribution</b>	574	0.47	1.70	mg/L

**9. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument:**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
<i>None</i>				

**10. Summary of O. Reg. 169/03 Schedule 23 Inorganic parameters tested during this reporting period or the most recent sample results:**

Parameter	Sample Date	Results	Results	Unit of Measure	Exceedance
		PH 17	PH 29		
<b>Alkalinity</b>	2024	155-198*		mg/L	no
<b>Antimony</b>	2024-05-28	<0.0001	<0.0001	mg/L	no
<b>Arsenic</b>	2024-05-28	0.0005	0.0003	mg/L	no
<b>Barium</b>	2024-05-28	0.119	0.105	mg/L	no
<b>Boron</b>	2024-05-28	0.009	0.011	mg/L	no
<b>Cadmium</b>	2024-05-28	<0.000015	<0.000015	mg/L	no
<b>Chromium</b>	2024-05-28	< 0.002	< 0.002	mg/L	no
<b>Mercury</b>	2024-05-28	< 0.00002	< 0.00002	mg/L	no
<b>Selenium</b>	2024-05-28	< 0.001	< 0.001	mg/L	no
<b>Uranium</b>	2024-05-28	0.00186	0.00052	mg/L	no
<b>Fluoride</b>	2023-02-13	<0.1	<0.1	mg/L	no
<b>Sodium</b>	2023-02-13	6.5	7.8	mg/L	no
<b>Lead</b>	2024	0.03-0.013		µg/L	no
<b>Nitrite</b>	2024	<0.05	<0.05	mg/L	no
<b>Nitrate</b>	2024	<0.05	2.21-2.54	mg/L	no

*\*Distribution Sample*

### 11. Summary of O. Reg. 169/03 Schedule 24 Organic parameters tested during this reporting period or the most recent sample results:

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 17	PH 29		
Alachlor	2024-05-28	<0.3	<0.3	µg/L	no
Atrazine + metabolites	2024-05-28	<0.5	<0.5	µg/L	no
Azinphos-methyl	2024-05-28	< 1	<1	µg/L	no
Benzene	2024-05-28	< 0.5	<0.5	µg/L	no
Benzo(a)pyrene	2024-05-28	<0.006	<0.006	µg/L	no
Bromoxynil	2024-05-28	<0.5	<0.5	µg/L	no
Carbaryl	2024-05-28	< 3	< 3	µg/L	no
Carbofuran	2024-05-28	< 1	< 1	µg/L	no
Carbon Tetrachloride	2024-05-28	<0.2	<0.2	µg/L	no
Chlorpyrifos	2024-05-28	<0.5	<0.5	µg/L	no
Diazinon	2024-05-28	< 1	< 1	µg/L	no
Dicamba	2024-05-28	< 1	< 1	µg/L	no
1,2-Dichlorobenzene	2024-05-28	< 0.5	< 0.5	µg/L	no
1,4-Dichlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
1,2-Dichloroethane	2024-05-28	<0.5	<0.5	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	2024-05-28	<0.5	<0.5	µg/L	no
Dichloromethane	2024-05-28	< 5	< 5	µg/L	no
2,4-Dichlorophenol	2024-05-28	< 0.2	< 0.2	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-05-28	< 1	<1	µg/L	no
Diclofop-methyl	2024-05-28	< 0.9	<0.9	µg/L	no
Dimethoate	2024-05-28	< 1	< 1	µg/L	no
Diquat	2024-05-28	< 5	< 5	µg/L	no
Diuron	2024-05-28	< 5	< 5	µg/L	no
Glyphosate	2024-05-28	< 25	< 25	µg/L	no
Malathion	2024-05-28	< 3	< 3	µg/L	no
MCPA	2024-05-28	<10	<10	µg/L	no
Metribuzin	2024-05-28	< 3	< 3	µg/L	no
Monochlorobenzene	2024-05-28	<0.5	<0.5	µg/L	no
Paraquat	2024-05-28	< 1	< 1	µg/L	no
Pentachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Phorate	2024-05-28	<0.3	<0.3	µg/L	no
Picloram	2024-05-28	<15	<15	µg/L	no
Polychlorinated Biphenyls	2024-05-28	<0.05	<0.05	µg/L	no
Prometryne	2024-05-28	<0.01	<0.01	µg/L	no
Simazine	2024-05-28	<0.5	<0.5	µg/L	no
Terbufos	2024-05-28	<0.5	<0.5	µg/L	no

Parameter	Sample Date	Results	Results	Unit	Exceedance
		PH 17	PH 29		
Tetrachloroethylene	2024-05-28	<0.5	<0.5	µg/L	no
2,3,4,6-Tetrachlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Triallate	2024-05-28	<10	<10	µg/L	no
Trichloroethylene	2024-05-28	<0.5	<0.5	µg/L	no
2,4,6-Trichlorophenol	2024-05-28	<0.2	<0.2	µg/L	no
Trifluralin	2024-05-28	<0.5	<0.5	µg/L	no
Vinyl Chloride	2024-05-28	<0.2	<0.2	µg/L	no

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

Distribution Parameter	RAA	Unit	Exceedance
Haloacetic Acids Average	5.3	µg/L	no
Trihalomethanes Average	6	µg/L	no

**12. The following inorganic or organic parameter(s) exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:**

Parameter	Result Value	Unit of Measure	Date of Sample
<i>None</i>			