Annual Report

Ignace Drinking Water System

2025

Prepared by **Northern Waterworks Inc.**
on behalf of the **Township of Ignace**

NORTHERN WATERWORKS INC.

IGNACE
Explore Our Possibilities

Contents

1 Introduction

1.1 Annual Reporting Requirements

This consolidated Annual Report (the Report) has been prepared in accordance with both section 11 (Annual Reports) and Schedule 22 (Summary Reports for Municipalities) of Ontario Regulation 170/03 (Drinking Water Systems Regulation). This Report is intended to inform both the public and Municipal Council about the operation of the system over the previous calendar year (January 1 to December 31, 2025).

Section 11 of O. Reg. 170/03 requires the development and distribution to the public of an annual report summarizing water quality monitoring results, adverse water quality incidents, system expenses and chemicals used in the water treatment process.

Schedule 22 of O. Reg. 170/03 requires the development and distribution to Council of an annual report summarizing incidents of regulatory non-compliance and associated corrective actions, in addition to providing flow monitoring results for the purpose of enabling the Owner to assess the capability of the system to meet existing and planned demand.

1.2 Report Availability

In accordance with section 11 of O. Reg. 170/03, this Report must be given, without charge, to every person who requests a copy. Effective steps must also be taken to advise users of water from the system that copies of the report are available, without charge, and of how a copy may be obtained. This Annual Report shall be made available for inspection by the public at the Ignace Municipal Office and on the Township's website.

In accordance with Schedule 22 of O. Reg. 170/03, this Annual Report must be given to the members of Municipal Council. Section 19 (Standard of care, municipal drinking-water system) of Ontario's *Safe Drinking Water Act* (SDWA) also places certain responsibilities upon those municipal officials who oversee an accredited operating authority or exercise decision-making authority over a system. The examination of this Report is one of the methods by which municipal officials may fulfil the obligations required by section 19 of the SDWA.

System users and members of Council should contact a representative of NWI for assistance in interpreting this Report. Questions and comments may be directed to the local NWI Operations Manager or by email to compliance@nwi.ca.

2 System Overview & Expenses

2.1 System Description

The Ignace Drinking Water System must meet extensive treatment and testing requirements to ensure that human health is protected. The operation and maintenance of the system is governed by Ontario's *Safe Drinking Water Act* and the regulations therein, in addition to requirements within system-specific environmental approvals. Important system information is summarized in Table 1.

Table 1: System information

Drinking-Water System Name:	Ignace Drinking Water System
DWS Number:	260091338
DWS Category:	Large Municipal Residential
DWS Owner:	The Corporation of the Township of Ignace
DWS Operating Authority:	Northern Waterworks Inc.
DWS Components:	• Raw water pumping station and transmission line • Ignace Water Treatment Plant • Ignace water distribution system
Treatment Processes:	• Chemical coagulation and flocculation • Membrane ultrafiltration • Free chlorine disinfection • pH adjustment

Water production begins as raw water flows by gravity from the intake structure located in Kekwanzik (Michel) Lake and into two intake reservoirs located at the raw water pumping station. Pumps then transfer water from the intake wells to the Ignace Water Treatment Plant through a 3.1 km transmission line.

Upon transfer to the treatment facility, polyaluminum chloride (coagulant) is injected into the raw water upstream from two coagulation tanks. Coagulant is mixed with the raw water in the tanks in order to create a suitable floc that will facilitate the subsequent membrane ultrafiltration process.

From the coagulation tanks water is directed to the membrane ultrafiltration treatment units. The membrane ultrafilters are submerged in the coagulated water and permeate (filtered water) is drawn through the filters using a vacuum generated by pumps, effectively filtering impurities from the water. Sodium hypochlorite (disinfectant) is then applied to permeate as it is directed to the treated water storage reservoir. Additional chemical feed systems are used for periodic membrane filter cleaning and neutralization, including sodium hypochlorite, citric acid, sodium bisulphite and sodium hydroxide. Wastewater from the membrane filtration process is directed to a waste equalization tank at the treatment facility, from where it is pumped to the sanitary sewer system.

Primary disinfection is achieved as sodium hypochlorite mixes with the permeate in the reservoir. Treated water is then delivered to the water distribution system using dedicated high lift pumps. Secondary disinfection requirements in the distribution system are achieved by maintaining a free chlorine residual at all locations. Sodium hydroxide is also added for pH control as water is transferred to the distribution system.

2.2 Water Treatment Chemicals

In accordance with section 11 of O. Reg. 170/03, this Report must include a list of all water treatment chemicals used by the system during the period covered by the report (summarized in Table 2). All chemicals used in the treatment process are NSF/ANSI 60 certified for use in potable water, as required by system approvals.

Table 2: Water treatment chemicals used in 2025

Treatment Chemical	Application
polyaluminum chloride	coagulant
sodium hypochlorite[1]	disinfectant, membrane filter cleaning agent
sodium hydroxide[1]	pH/alkalinity adjustment, neutralizing agent
citric acid[1]	membrane filter cleaning agent
sodium bisulphite[1]	neutralizing agent (dechlorination)

1. Membrane filter cleaning and neutralizing agents are used in smaller amounts. These chemicals are not injected into the process water stream.

2.3 System Expenses

In accordance with section 11 of O. Reg. 170/03, this Report must describe any major expenses incurred during the reporting period to install, repair or replace required equipment. This Report also summarizes those expenses related to strengthening equipment inventories and to maintenance activities undertaken by subcontracted service providers. Major expenses incurred in 2025 are summarized in Table 3.

Table 3: Major expenses incurred in 2025

Category	Description	Expense
Maintenance	Leak Detection Program	$7,345
Maintenance	Hydrant Repairs	$98,417
Replace	Zenon PLC Replacement	$292,798
Maintenance	SCADA Parts and Service for 2025	$16,682
Replace	LED Spot Lite Loctite EQ CL32	$1,936
Maintenance	Flow meter calibration verifications	$2,000
Maintenance	Electrical investigation (RWP4)	$801
Replace	Confined Space Safety Equipment	$4,679
Maintenance	Annual Fit Testing (Respirators)	$2000
Maintenance	Backflow prevention device inspection and testing	$2000

3 Water Quality

3.1 Overview

Water quality monitoring is conducted to determine and confirm that drinking water delivered to the consumer is safe and aesthetically pleasing. Monitoring is also required to assess compliance with legislation and to control the treatment process. In accordance with section 11 of O. Reg. 170/03, this Report must summarize the results of water quality tests required by regulations, approvals, and orders. The following sections summarize the results of all required water quality tests and compare the results to applicable water quality standards.

3.2 Microbiological Parameters

Microbiological sampling and testing requirements are provided in Schedule 10 (Microbiological sampling and testing) of O. Reg. 170/03. In 2025, a total of 236 routine source, treated and distribution water samples were collected for microbiological analysis by an accredited laboratory. Samples were collected on a weekly basis and included tests for E. coli (EC), total coliforms (TC) and heterotrophic plate counts (HPC). Results from microbiological analyses are summarized in Table 4.

Table 4: Results summary for microbiological parameters

Sample Type	# of Samples	EC Results Range[1] (MPN/ 100mL)	TC Results Range[1] (MPN/ 100mL)	# of HPC Samples	HPC Results Range (CFU/mL)
Raw Water	55	0-1	0 to 1990	---	---
Treated	55	absent	absent/present[2]	55	0 – 254
Distribution	126	absent	absent/present[3]	65	0 to 247

1. The Ontario Drinking Water Quality Standard for E. Coli and Total Coliforms in a treated or distribution sample is 'not detectable'. The presence of either parameter in a treated or distribution sample is considered an exceedance.
2. Total coliforms were detected in one treated water sample on 10 May, 2025. Resamples were negative for total coliforms.
3. Total coliforms were detected in one distribution water sample on 14 Aug 2025. Resamples were negative for total coliforms.

3.3 Operational Parameters

In accordance with Schedule 7 (Operational checks) of O. Reg. 170/03, regulated operational parameters that must be monitored include raw water turbidity, filtrate turbidity and the free chlorine residuals associated with primary and secondary disinfection. Table 5 summarizes water quality results for regulated and selected unregulated operational parameters. In accordance with Schedule 6 (Operational checks, sampling and testing – general) of O. Reg. 170/03, certain operational parameters are continuously monitored. No Adverse Water Quality Incidents (AWQIs) pertaining to operational parameters occurred during the reporting period.

Table 5: Results summary for operational parameters

Parameter (Sample Type)	Number of Samples	Units	Min. Result	Max. Result	Annual Avg.	Adverse Result
Turbidity (Raw Water)	122	NTU	0.212	9.23	1.332	n/a
Turbidity (Filter 1)	Continuous	NTU	0.016	0.028	0.024	>1.0
Turbidity (Filter 2)	Continuous	NTU	0.019	0.062	0.029	>1.0
Turbidity (Filter 3)	Continuous	NTU	0.021	0.404	0.071	>1.0
Turbidity (Filter 4)	Continuous	NTU	0.019	6.867	0.694	>1.0
Turbidity (Treated)	366	NTU	0.031	0.850	0.092	n/a
pH (Treated)	Continuous	---	6.57	7.75	7.13	n/a
Aluminum Residual (Treated)	105	mg/L	0.000	0.072	0.025	n/a
FCR[1] (Treated)[2]	Continuous	mg/L	0.96	1.95	1.52	n/a
FCR[1] (Distribution)[3]	500+	mg/L	0.25	1.90	n/a	<0.05

1. FCR = free chlorine residual.
2. There is no adverse result corresponding to the treated water free chlorine residual. However, an observation of adverse water quality occurs if the residual is low enough such that water has not been disinfected in accordance with the system's *Municipal Drinking Water Licence*.
3. Free chlorine residuals are tested at various locations in the distribution system. The free chlorine residual varies with water age and distribution system location, and the values in the table pertain to the minimum and maximum results collected across all locations in the calendar year.

3.4 Membrane Ultrafiltration Performance

In accordance with the system's *Municipal Drinking Water Licence*, membrane filters must meet certain performance criteria in order to claim removal credits for Cryptosporidium oocysts and Giardia cysts. In addition to continuously monitoring filtrate turbidity, membrane filter integrity must be monitored and turbidity must be less than or equal to 0.1 NTU in at least 99% of the measurements each month. Table 6 summarizes filtrate turbidity compliance against the <0.1 NTU/99% performance criterion. Minimum and maximum values in the table correspond to the proportion of time that filtered water turbidity was less than or equal to 0.1 NTU in a calendar month. No AWQIs pertaining to membrane filtration performance occurred during the reporting period.

Table 6: Filtration performance summary

Filter	Minimum Result	Maximum Result	Adverse Result
Filter 1	99.96%	100%	<99%
Filter 2	99.90%	100%	<99%
Filter 3	99.76%	100%	<99%
Filter 4	99.00%	100%	<99%

3.5 Nitrate & Nitrite

Treated water is tested for nitrate and nitrite concentrations on a quarterly basis in accordance with Schedule 13 (Chemical sampling and testing) of O. Reg. 170/03. Nitrate and nitrite results are provided in Table 7. All results were below the Ontario Drinking Water Quality Standards.

Table 7: Nitrate and nitrite results

Sample Date	Nitrate		Nitrite	
	Result (mg/L)	ODWQS (mg/L)	Result (mg/L)	ODWQS (mg/L)
24-Feb-2025	0.110	10	<0.010	1
12-May-2025	0.054		<0.010	
11-Aug-2025	0.028		<0.010	
10-Nov-2025	<0.020		<0.010	

3.6 Trihalomethanes & Haloacetic Acids

Trihalomethanes (THMs) and haloacetic acids (HAAs) are sampled on a quarterly basis from a distribution system location that is likely to have an elevated potential for their formation, in accordance with Schedule 13 (Chemical sampling and testing) of O. Reg. 170/03. Total THM and HAA results are provided in Table 8 and Table 9, respectively. Compliance with the provincial standards for trihalomethane and haloacetic acid concentrations is determined by calculating a running annual average (RAA). The 2025 running annual averages for THMs and HAAs were below the respective Ontario Drinking Water Quality Standards.

Table 8: Total THM results

Sample Date	Result (µg/L)	Quarterly Average (µg/L)
24-Feb-2025	51.4	51.4
Q1 Regulatory Average (RAA)		53.5
12-May-25	44.8	44.8
Q2 Regulatory Average (RAA)		54.0
11-Aug-25	71.8	71.8
Q3 Regulatory Average (RAA)		55.5
10-Nov-25	57.8	57.8
Q4 Regulatory Average (RAA)		56.5
ODWQS Limit (RAA)		100

Table 9: Total HAA results

Sample Date	Result (µg/L)	Quarterly Average (µg/L)
24-Feb-2025	74.4	74.4
Q1 Regulatory Average (RAA)		64.1
12-May-25	58.3	58.3
Q2 Regulatory Average (RAA)		67.5
11-Aug-25	69.2	69.2
Q3 Regulatory Average (RAA)		67.5
10-Nov-25	48.2	48.2
Q4 Regulatory Average (RAA)		62.5
ODWQS Limit (RAA)		80

3.7 Lead Sampling

Based upon favourable sampling results in the community, the Ignace DWS previously qualified for reduced lead sampling and ultimately became exempt from sampling at plumbing locations in accordance with Schedule 15.1 (Lead) of O. Reg. 170/03. Four (4) distribution system samples must now be collected every year and analyzed for pH and alkalinity. Additionally, these distribution system samples must be analyzed for lead in every third 12-month period after the plumbing sample exemption was activated. Table 10 summarizes the recent historical results of community lead sampling and related required tests.

Table 10: Distribution pH, alkalinity and lead sampling results

Sample Date	Hydrant ID Number	Lead[1] (µg/L)	pH	Alkalinity (mg/L)
20-Sep-2022	10	<1.0	7.35	20
20-Sep-2022	84	<1.0	7.44	20
6-Feb-2023	89	<1.0	7.38	35
6-Feb-2023	136	<1.0	7.56	25
26-Sep-2023	1	lead analyses not required[2]	6.90	12
11-Oct-2023	120		6.96	7.5
9-Apr-2024	3		7.07	35
9-Apr-2024	105		7.14	25
30-Sep-2024	98		7.40	30
1-Oct-2024	26		7.38	25
15-Apr-2025	53		6.98	20
15-Apr-2025	37		7.07	25
8-Oct-2025	117	<1.0	7.19	25
8-Oct-2025	31	<1.0	7.15	25

1. The Ontario Drinking Water Quality Standard for lead in drinking-water is 10 µg/L.
2. Distribution samples were last collected and tested for lead during Summer 2025 sampling period and will begin again in Winter 2025-26 sampling period.

3.8 Inorganic & Organic Parameters

Most inorganic parameters are sampled on an annual basis in treated water in accordance with Schedules 13 (Chemical sampling and testing) and 23 (Inorganic parameters) of O. Reg. 170/03. The inorganic parameters sodium and fluoride are sampled every five (5) years in treated water in accordance with Schedules 13 and 23 of O. Reg. 170/03. The most recent inorganic parameter sampling results are provided in Table 11. All results were below the associated Ontario Drinking Water Quality Standards.

Table 11: Inorganic parameter sampling results

Parameter	Most Recent Sample Date	Units	Result	ODWQS
Antimony	12-Aug-2025	µg/L	<0.60	6
Arsenic	12-Aug-2025	µg/L	<1.0	10
Barium	12-Aug-2025	µg/L	<10	1000
Boron	12-Aug-2025	µg/L	<50	5000
Cadmium	12-Aug-2025	µg/L	<0.10	5
Chromium	12-Aug-2025	µg/L	<1.0	50
Fluoride	6-May-2025	mg/L	0.028	1.5
Mercury	12-Aug-2025	µg/L	<0.100	1
Selenium	12-Aug-2025	µg/L	<1.0	50
Sodium	6-May-2025	mg/L	4.16	20
Uranium	12-Aug-2025	µg/L	<2.0	20

Organic parameters are sampled on an annual basis in treated water in accordance with Schedules 13 (Chemical sampling and testing) and 24 (Organic parameters) of O. Reg. 170/03. These parameters include various organic acids, pesticides, herbicides, PCBs, volatile organics and other chemicals. Sampling for all organic parameters was conducted on August 11, 2025, and results are provided in Table 12. All results were below the associated Ontario Drinking Water Quality Standards.

Table 12: Organic parameter sampling results

Parameter	Result (µg/L)	ODWQS (µg/L)	Parameter	Result (µg/L)	ODWQS (µg/L)
Alachlor	<0.050	5	Diuron	<0.050	150
Atrazine & Metabolites	<0.14	5	Glyphosate	<1.0	280
Azinphos-methyl	<0.10	20	Malathion	<0.025	190
Benzene	<0.50	1	MCPA	<0.00005	100
Benzo(a)pyrene	<0.005	0.01	Metolachlor	<0.025	50
Bromoxynil	<0.250	5	Metribuzin	<0.10	80
Carbaryl	<0.050	90	Monochlorobenzene	<0.50	80
Carbofuran	<0.025	90	Paraquat	<1.0	10
Carbon Tetrachloride	<0.20	2	Pentachlorophenol	<0.50	60
Chlorpyrifos	<0.10	90	Phorate	<0.25	2
Diazinon	<0.025	20	Picloram	<0.10	190
Dicamba	<0.10	120	Total PCBs	<0.030	3
1,2-Dichlorobenzene	<0.50	200	Prometryne	<0.025	1
1,4-Dichlorobenzene	<0.50	5	Simazine	<0.10	10
1,2-Dichloroethane	<0.50	5	Terbufos	<0.50	1
1,1-Dichloroethylene	<0.50	14	Tetrachloroethylene	<0.50	10
Dichloromethane	<1.0	50	2,3,4,6-Tetrachlorophenol	<0.50	100
2,4-Dichlorophenol	<0.20	900	Triallate	<0.10	230
2,4-D	<0.050	100	Trichloroethylene	<0.50	5
Diclofop-methyl	<0.10	9	2,4,6-Trichlorophenol	<0.20	5
Dimethoate	<20.0	20	Trifluralin	<0.10	45
Diquat	<1.0	70	Vinyl Chloride	<0.20	1

3.9 Harmful Algal Bloom Monitoring

Starting in 2022 a requirement was added to the Municipal Drinking Water License to monitor for Harmful Algal Blooms (HAB). If a bloom is identified or suspected, then microcystin testing must be undertaken. According to the HAB plan sampling must continue for three (3) weeks of no microcystin identified. There were zero (0) reported and one (1) suspected bloom during the standard monitoring period in 2025. No mycrocystin was detected in samples.

There were no Suspected or Occurring HABs outside the standard period of June 1 to October 31. Historic sample results have consistently identified no microcystin in raw or treated water when algal blooms are observed. Table 16 provides a summary of Suspected or Occurring HABs in Ignace since monitoring began.

Table 14: Recent historical algal bloom summary

Year	Suspected	Harmful Algal Blooms
2022	1	0
2023	0	0
2024	0	0
2025	1	0

4 Water Production

4.1 Overview

In accordance with Schedule 22 (Summary Reports for Municipalities) of O. Reg. 170/03, this Annual Report must include certain information for the purpose of enabling the Owner to assess the capability of the system to meet existing and planned uses. Specifically, this Report must include a summary of the quantities and flow rates of the water supplied during the reporting period, including monthly average and maximum daily flows. The Report must also include a comparison of flow monitoring results to the rated capacity and flow rates approved in the system's *Municipal Drinking Water Licence*.

4.2 Flow Monitoring Results

Throughout the reporting period the Ignace Drinking Water System operated within its rated capacity and supplied a total of 351,123 m^3 of treated water. On an average day in 2025, 961 m^3 of treated water was supplied to the community, which represents 35% of the rated capacity of the Ignace WTP (2,730 m^3/day). The maximum daily flow in 2025 was 1462 m^3/day, which represents 54% of the rated capacity of the facility. Flow monitoring results are summarized in Figure 1 and Table 15.

Figure 1: 2025 average and maximum daily treated water flows

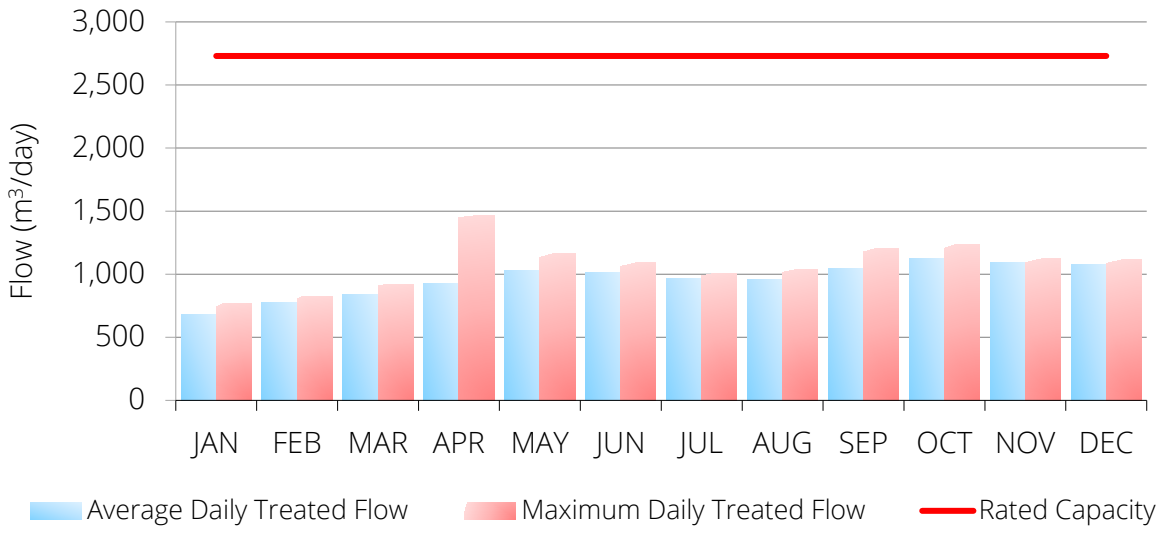

Table 15: 2025 water production summary

Month	Total Volumes (m^3)		Daily Flows (m^3/day)		Capacity Assessments[1]	
	Raw Water	Treated Water	Average - Treated	Maximum - Treated	Average - Treated	Maximum - Treated
Jan	24,553	21,120	681	769	25%	28%
Feb	25,016	21,766	777	821	28%	30%
Mar	30,208	26,045	840	920	31%	34%
Apr	31,959	27,862	929	1,462	34%	54%
May	37,225	31,900	1,029	1,163	38%	43%
Jun	34,189	30,474	1,016	1,092	37%	40%
Jul	36,575	29,840	963	1,010	35%	37%
Aug	35,595	29,600	955	1,041	35%	38%
Sep	37,900	31,428	1,048	1,204	38%	44%
Oct	43,241	34,808	1,123	1,233	41%	45%
Nov	38,019	32,872	1,096	1,121	40%	41%
Dec	38,774	33,407	1,078	1,114	39%	41%
Total	405,161	351,123	---	MAX:	---	MAX:
Average	33,763	29,260	961	1,462	35%	54%

1. Capacity assessments compare the average and maximum daily treated water flows to the rated capacity of the treatment facility (2,730 m^3/day)

4.3 Recent Historical Flows

Table 16 summarizes recent historical flow monitoring results for the Ignace Drinking Water System. There were increases in the volumes of source water withdrawn and treated water supplied in 2025 when compared to 2024, and average daily treated water flows in 2025 were increased compared to previous years. The increase in flows prompted a leak detection study to be completed November 24-27, 2025. Several leaks were identified and repairs are planned.

As per the Preliminary Engineering Design Report prepared by Engineering Northwest Ltd. (ENL), the WTP was *designed for a maximum population of 1,700* (i.e., the plant was designed for a stable and/or declining population over a 20-year period and *did not account for significant community growth as a possibility*).

Table 16: Recent historical water production summary

Year	Total Volumes (m^3)		Daily Flows (m^3/day)		Annual % Change	
	Raw Water	Treated Water	Average – Treated Water	Maximum – Treated Water	Raw Water	Treated Water
2014	528,264	465,760	1,276	2,205	+21.6%	+32.8%
2015	548,154	475,844	1,304	2,344	+3.8%	+2.2%
2016	433,726	380,345	1,039	1,559	-20.9%	-20.1%
2017	366,981	312,558	856	1,371	-15.4%	-17.8%
2018	374,025	316,758	868	1,478	+1.9%	+1.3%
2019	350,787	304,161	833	1,489	-6.2%	-4.0%
2020	322,124	272,104	743	1,037	-8.2%	-10.5%
2021	297,106	262,229	718	1,112	-7.8%	-3.6%
2022	281,169	245,718	673	1,144	-5.4%	-6.3%
2023	337,994	292,667	802	1,219	20.2%	19.1%
2024	280,357	239,710	657	1,281	-17.1%	-18.1%
2025	405161	351,218	962	1492	44.5%	46.5%

5 Compliance

5.1 Overview

Northern Waterworks Inc. and the Township of Ignace employ an operational strategy that is committed to achieving the following goals:

- Providing a safe and reliable supply of drinking water to the community of Ignace;
- Meeting or exceeding all applicable legislative and regulatory requirements; and,
- Maintaining and continually improving the operation and maintenance of the system.

The following sections will summarize incidents of adverse water quality and regulatory noncompliance that occurred during the reporting period. NWI is committed to employing timely and effective corrective actions to prevent the recurrence of identified incidents of noncompliance and adverse water quality.

5.2 Regulatory Compliance

In accordance with Schedule 22 (Summary Reports for Municipalities) of O. Reg. 170/03, this Report must list any requirements of the *Act*, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report (i.e., an incident of regulatory noncompliance). Additionally, this Report must specify the duration of the failure and the measures that were taken to correct the failure.

The most recent inspection by Ontario's Ministry of the Environment, Conservation and Parks was initiated on June 5, 2025. The final inspection rating was 100% and zero (0) incidents of regulatory noncompliance were identified.

The Ministry strongly recommends that a program for exercising valves be implemented and that inoperable valves in the distribution system be repaired. The Township of Ignace and Northern Waterworks Inc. should review AWWA Standard G200-21 Distribution System Operation and Management, Section 4.2.5 "Valve Exercising and Replacement". This document can assist with the implementation of a formal program.

5.3 Adverse Water Quality Incidents

In accordance with section 11 (Annual Reports) of O. Reg. 170/03, this Report must summarize any reports made to the Ministry under subsection 18(1) (Duty to report adverse test results) of *the Act* or section 16-4 (Duty to report other observations) of Schedule 16 of O. Reg. 170/03. Additionally, this Report must describe any corrective actions taken under Schedule 17 of O. Reg. 170/03 during the period covered by the report. Two (2) adverse water quality incidents occurred during the reporting period:

AWQI No. 168132 (7 May 2025)
Total coliforms were detected in one treated water sample. The exceedance was reported. Immediate resampling at the adverse test location, as well as downstream locations indicated no coliforms present in distribution water. Chlorine residuals in the distribution system were within expected values.

AWQI No. 169414 (14 Aug 2025)
Total coliforms were detected in one distribution water sample. The exceedance was reported. Immediate resampling at the adverse test location, as well as upstream and downstream locations indicated no coliforms present in distribution water.