Petawawa Drinking Water System

Waterworks # 210002101
System Category – Large Municipal Residential

Annual Water Report

Prepared For: Town of Petawawa

Reporting Period of January 1st – December 31st, 2025

Issued: Feb 13, 2026

Revision: 0

Operating Authority:

OCWA
ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03, Section 11 and Schedule 22

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Revision History

Date	Revision #	Revision Notes
26-Feb-2025	0	Issued

Report Availability

This system serves more than 10,000 residences and the annual report will be available to residents at the Town of Petawawa Municipal Office. Notification will be at the Municipal Office and copies provided free of charge, if requested. The Town of Petawawa office is located at 1111 Victoria Street in Petawawa, ON.

Compliance Report Card

Compliance Event	# of Events
Ministry of the Environment, Conservation and Parks (MECP) Inspection(s)	Nov 27, 2025 – 95.77% (2025-2026 Inspection period)
Ministry of Labour Inspection(s)	There were no inspections during the reporting period
QEMS External Audit	S1 Off-Site Audit – held Nov 7, 2025 • No Non-Conformances • Three (3) OFI's identified • Certificate of Accreditation issued on Jan 9, 2025
AWQI's	Six (6) – See Non-Compliance section of report for details
Non-Compliances	There were no Non-Compliances during the reporting period
Community Complaints	Six (6) Community Complaints: • Low water pressure – 3 • High water pressure – 1 • Taste - 1 • Sand in water - 1
Spills	There were no Spills reported during the reporting period
Water Main Breaks	One (1) – See Maintenance section for details

System Process Description

Raw Source

The source water to the Petawawa WTP is the Ottawa River (Allumette Lake). Once water is treated, it is supplied to the distribution system. The Petawawa WTP supplies water to Garrison Petawawa (Federal Jurisdiction). The south end of the distribution system is connected (only if required) to the City of Pembroke/Laurentian Valley Drinking Water System. Flow is controlled using Booster Pumping Station #1.

Treatment

Petawawa Water Treatment Plant is a conventional water treatment system using coagulation, flocculation, and sedimentation processes. Pre and post pH adjustment is also utilized. Dual media filters provide filtration, and chlorine gas is used for disinfection. Fluoridation is also practiced.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
PAX-XL6	Coagulant	Kemira
Fluoride	Fluoridation	Brenntag
Soda Ash Dense (bulk/bags)	pH Adjustment	Brenntag/Reliable Industrial Supply
Chlorine Gas	Disinfection	Brenntag
Superfloc A-100 Flocculant	Coagulant Aid (Polymer)	Kemira

Distribution

The distribution consists of a network of piping, three (3) towers and two (2) booster pumping stations. The distribution system consists of about 4,756 service connections in the Town of Petawawa, approximately 4,606 of which are residential. There are approx. 37 dead ends and approx. 606 fire hydrants. The distribution pipes are made of asbestos cement, cast iron, and polyvinyl chloride (PVC).

Summary of Non-Compliances

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
Jul 4, 2025	168839	Distribution System	Sodium (Na) Exceedance	Lab performed routine testing of some other chemicals as requested for the DWS, along with sodium	Result of 22 mg/L (MAC is 20 mg/L)	Re-sampled at one location, as per instructions from the Health Unit. Result came back at 16 mg/L. No further actions required.

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
Apr 8, 2025	167812	Distribution System	HAA RAA Exceedance – Q1 of 2025	HAA formation problem in the distribution system	Result of 94.52 (MAC is 80 ug/L)	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.
Jul 3, 2025	168833	Distribution System	HAA RAA Exceedance – Q2 of 2025	HAA formation problem in the distribution system	Result of 97.01	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.
Oct 7, 2025	170253	Distribution System	HAA RAA Exceedance – Q3 of 2025	HAA formation problem in the distribution system	Result of 98.69	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.
Oct 7, 2025	170252	Distribution System	THM RAA Exceedance – Q3 of 2025	THM formation problem in the distribution system	Result of 107.29	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.
Jan 8, 2026	171294	Distribution System	HAA RAA Exceedance – Q4 of 2025	HAA formation problem in the distribution system	Result of 105.51	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.
Jan 8, 2026	171293	Distribution System	THM RAA Exceedance – Q4 of 2025	THM formation problem in the distribution system	Result of 113.22	Sent to MECP SAC, MECP local office Water Inspector, MOH, and client the AWQI form, Section 2C to notify of exceedance. No further actions required.

Non-Compliances

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
There were no Non-Compliances during this reporting period				

Non-Compliances Identified in a Ministry Inspection: (2025-2026 Inspection)

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
Schedule 10-2 of O. Reg. 170/03	Distribution microbiological sampling requirements prescribed by Schedule 10-2 of O. Reg. 170/03 for large municipal residential systems were not met. In the months of January 2025 and April 2025 sampling errors occurred resulting in only 24 samples being collected and tested for microbiological parameters.	Jan & Apr 2025 monthly samples	PCT edited the Sample Schedule to make sure 26 samples would be sampled in those months for 2026 and going forward, unless the town population changes in the 2026 census	Completed

Flows

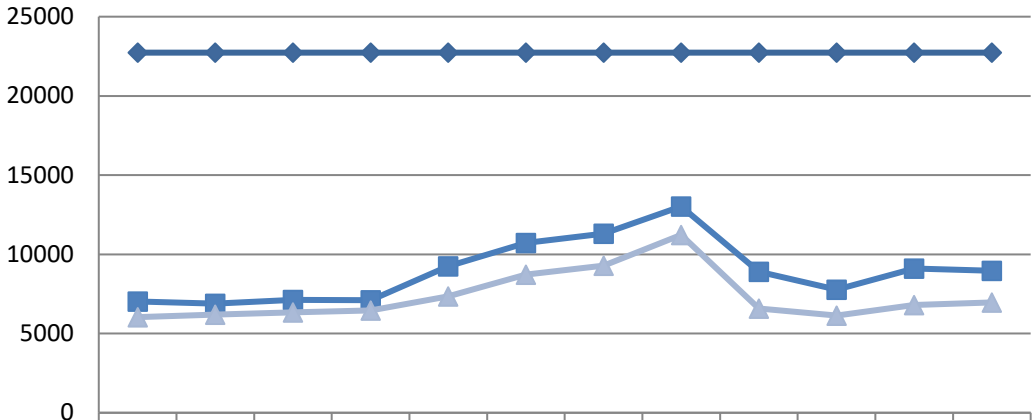
In 2025, the average day flow was at approximately 31.0% of the current plant design for the Petawawa Drinking Water System, and the maximum day flow was at approximately 56.4% of the plant design of 21 500 m^3/d.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 20245 Raw Flow Data was submitted to the Ministry electronically under permit #0713-D27KKW. The confirmation and a copy of the data that was submitted are attached in Appendix A.

Total Monthly Flows (m3/d)

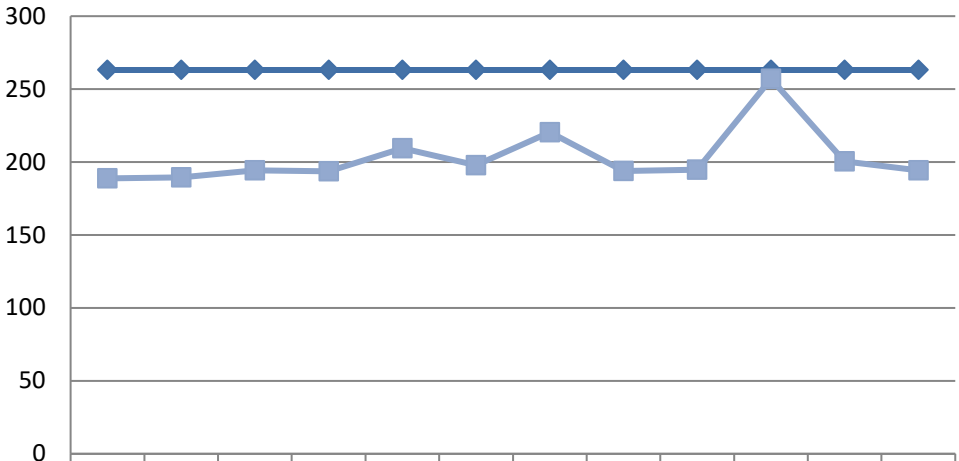
Max Allowable – PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	22730	22730	22730	22730	22730	22730	22730	22730	22730	22730	22730	22730
Max Flow (m3/d)	7031	6888	7130	7098	9249	10719	11302	13022	8910	7778	9104	8954
Avg (m3/d)	6035	6192	6333	6456	7341	8719	9289	11225	6574	6135	6798	6953

Monthly Rated Flows (L/s)

Max allowable rate - PTTW



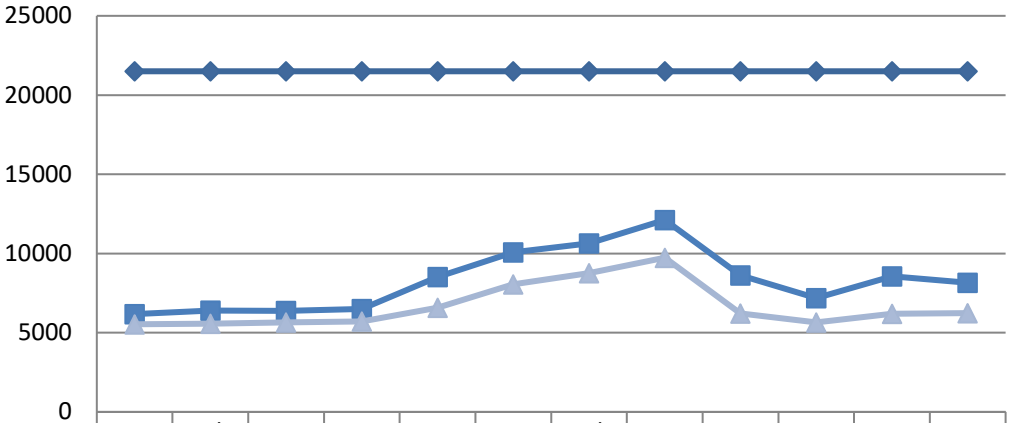
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
Max Rate (L/s)	188.8	189.4	194.2	193.6	209.4	197.9	220.4	193.8	194.8	257.0	200.5	194.3

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

Monthly Rated Flows

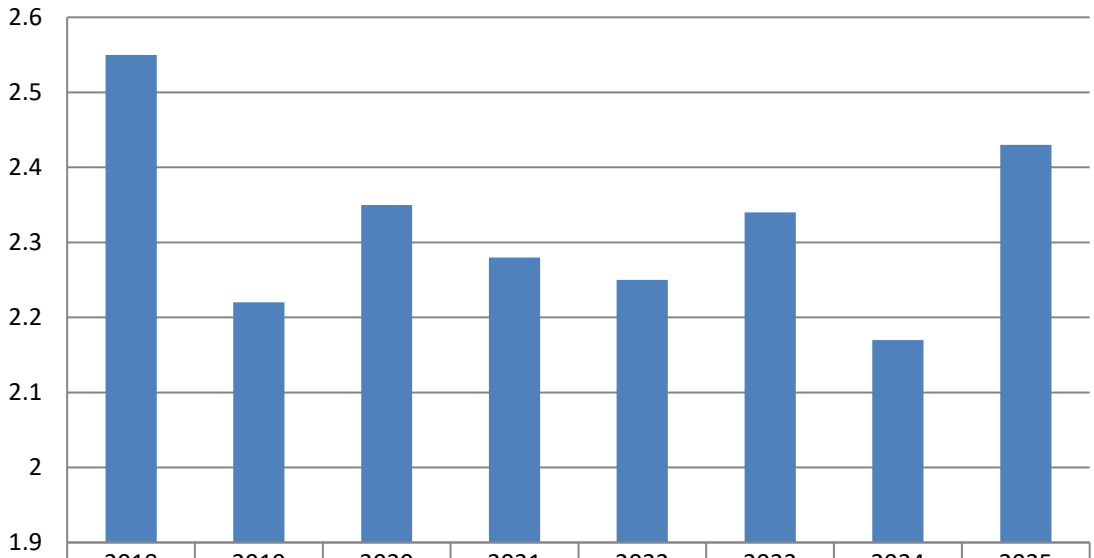
Rated Capacity - MDWL



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	21500	21500	21500	21500	21500	21500	21500	21500	21500	21500	21500	21500
Max Daily Flow (m3/d)	6174	6398	6376	6490	8513	10065	10640	12118	8619	7193	8557	8156
Avg (m3/d)	5532	5577	5644	5709	6588	8053	8756	9733	6208	5650	6203	6231

Annual Total Flow Comparison

Total Annual m3(x 10^6)



	2018	2019	2020	2021	2022	2023	2024	2025
WTP (m3)	2.55	2.22	2.35	2.28	2.25	2.34	2.17	2.43

Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E. Coli Results		Range of Total Coliform Results		Range of HPC Results		
		Min	Max	Min	Max	No. Samples	Min	Max
Raw Water	52	0	2	0	9			
Treated Water	52	0	0	0	0	51	0	6
Distribution Water	344	0	0	0	0	104	0	5

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW	105	1.31	6.89
Turbidity, On-Line (NTU) - RW	8760	0.97	5.53
Turbidity, In-House (NTU) - TW	105	0.04	0.22
Turbidity, In-House (NTU) - Filt1	106	0.04	0.80
Turbidity, On-Line (NTU) – Filt1	8760	0.00	1.60
Turbidity, In-House (NTU) - Filt2	104	0.05	0.30
Turbidity, On-Line (NTU) – Filt2	8760	0.00	2.00
Turbidity, In-House (NTU) - Filt3	104	0.06	0.89
Turbidity, On-Line (NTU) – Filt3	8760	0.00	0.78
Free Chlorine Residual, In-House (mg/L) - TW	107	1.05	2.15
Free Chlorine Residual, On-Line (mg/L) - TW	8760	0.72	2.38
Total Chlorine Residual, In-House (mg/L) - TW	105	1.30	2.19
Free Chlorine Residual, In-House (mg/L) – DW1-DW7	347	0.10	1.56
Fluoride Residual, In-House (mg/L) - TW	109	0.35	0.72
Fluoride Residual, On-Line (mg/L) - TW	8760	0.05	1.05

NOTE: Spikes/Drops to zero recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with MDWL.

Inorganic Parameters

These parameters are tested as a requirement under 170/03. Sodium and Fluoride are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly and the metals are tested annually, as required under 170/03. In the event any of the parameters exceed half of the maximum allowable concentration, the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- BDL = Below the laboratory detection level

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2025/01/06	< MDL 0000.5	6.0	No	No
Arsenic: As (ug/L) - TW	2025/01/06	< MDL 0.001	10.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Barium: Ba (ug/L) - TW	2025/01/06	9	1000.0	No	No
Boron: B (ug/L) - TW	2025/01/06	< MDL 0.01	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2025/01/06	< MDL 0.0001	5.0	No	No
Chromium: Cr (ug/L) - TW	2025/01/06	< MDL 0.001	50.0	No	No
Mercury: Hg (ug/L) - TW	2025/01/06	< MDL 0.0001	1.0	No	No
Selenium: Se (ug/L) - TW	2025/01/06	< MDL 0.001	50.0	No	No
Uranium: U (ug/L) - TW	2025/01/06	< MDL 0.001	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2025/12/29	0.57	1.5	No	No
Nitrite (mg/L) - TW	2025/01/06	< MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2025/04/07	< MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2025/07/07	< MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2025/10/20	< MDL 0.1	1.0	No	No
Nitrate (mg/L) - TW	2025/01/02	0.21	10.0	No	No
Nitrate (mg/L) - TW	2025/04/02	0.24	10.0	No	No
Nitrate (mg/L) - TW	2025/07/02	0.19	10.0	No	No
Nitrate (mg/L) - TW	2025/10/20	0.18	10.0	No	No
Sodium: Na (mg/L) - TW	2023/01/03	15.0	20.0*	No	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified mg/L when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium-restricted diets.

Schedule 15 Sampling: Lead

The Schedule 15 Sampling is required under MDWL. This system is under the plumbing exemption, therefore, hydrant samples only were collected. (*Lead will be sampled again in 2027 – every 3 years)

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (mg/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	4	8	30	34	500	0
pH	4	8	7.08	7.69	8.5	0
*Lead (mg/L)	4	8	N/A	N/A	0.010	0

Organic Parameters

These parameters are tested annually as a requirement under MDWL. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2025/01/06	< MDL 0.5	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2025/01/06	< MDL 0.	5.00	No	No
Azinphos-methyl (ug/L) - TW	2025/01/06	< MDL 2.0	20.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Benzene (ug/L) - TW	2025/01/06	< MDL 0.5	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2025/01/06	< MDL 0.01	0.01	No	Yes*
Bromoxynil (ug/L) - TW	2025/01/06	< MDL 0.5	5.00	No	No
Carbaryl (ug/L) - TW	2025/01/06	< MDL 5.0	90.00	No	No
Carbofuran (ug/L) - TW	2025/01/06	< MDL 5.0	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2025/01/06	< MDL 0.2	2.00	No	No
Chlorpyrifos (ug/L) - TW	2025/01/06	< MDL 1.0	90.00	No	No
Diazinon (ug/L) - TW	2025/01/06	< MDL 1.0	20.00	No	No
Dicamba (ug/L) - TW	2025/01/06	< MDL 1.0	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2025/01/06	< MDL 0.4	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2025/01/06	< MDL 0.4	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2025/01/06	< MDL 0.2	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2025/01/06	< MDL 0.5	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2025/01/06	< MDL 4.0	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2025/01/06	< MDL 0.2	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2025/01/06	< MDL 1.0	100.00	No	No
Diclofop-methyl (ug/L) - TW	2025/01/06	< MDL 0.9	9.00	No	No
Dimethoate (ug/L) - TW	2025/01/06	< MDL 2.5	20.00	No	No
Diquat (ug/L) - TW	2025/01/06	< MDL 5.0	70.00	No	No
Diuron (ug/L) - TW	2025/01/06	< MDL 10.0	150.00	No	No
Glyphosate (ug/L) - TW	2025/01/06	< MDL 10.0	280.00	No	No
Malathion (ug/L) - TW	2025/01/06	< MDL 5.0	190.00	No	No
2-Methyl-4-chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2025/01/06	< MDL 10.0	100.00	No	No
Metolachlor (ug/L) - TW	2025/01/06	< MDL 1.0	50.00	No	No
Metribuzin (ug/L) - TW	2025/01/06	< MDL 5.0	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2025/01/06	< MDL 0.5	80.00	No	No
Paraquat (ug/L) - TW	2025/01/06	< MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2025/01/06	< MDL 0.1	3.00	No	No
Pentachlorophenol (ug/L) - TW	2025/01/06	< MDL 1.0	60.00	No	No
Phorate (ug/L) - TW	2025/01/06	< MDL 0.5	2.00	No	No
Picloram (ug/L) - TW	2025/01/06	< MDL	190.00	No	No
Prometryne (ug/L) - TW	2025/01/06	< MDL 0.25	1.00	No	No
Simazine (ug/L) - TW	2025/01/06	< MDL 1.0	10.00	No	No
Terbufos (ug/L) - TW	2025/01/06	< MDL 0.4	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2025/01/06	< MDL 0.3	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2025/01/06	< MDL 1.0	100.00	No	No
Triallate (ug/L) - TW	2025/01/06	< MDL 1.0	230.00	No	No
Trichloroethylene (ug/L) - TW	2025/01/06	< MDL 0.3	5.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
2,4,6-Trichlorophenol (ug/L) - TW	2025/01/06	< MDL 0.2	5.00	No	No
Trifluralin (ug/L) - TW	2025/01/06	< MDL 1.0	45.00	No	No
Vinyl Chloride (ug/L) - TW	2025/01/06	< MDL 0.2	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) RAA - DW	2025	113.22	100.00	Yes	Yes
HAA: Total (ug/L) RAA - DW	2025	105.51	80.0	Yes	Yes

MAC = Maximum Allowable Concentration, as per O. Reg. 169/03
*BDL = Below the laboratory detection level

Additional Legislated Samples

Legislation	Sample	Parameter	Date	Sample Result (mg/L)	Total Chlorine Residual (mg/L)
MDWL	Backwash Effluent	Total Suspended Solids - TSS	Entire Year	**NS	**NS

**NS – Not Sampled – OCWA/Town decided to have the supernatant from the backwash tanks to be discharged to the sewage pumping station on-site at the water treatment plant, that is then, conveyed through the sewage collection system to the wastewater treatment plant. Therefore, monthly sampling of the TSS and total chlorine were not performed for this reporting period. (Approved by local MECP office).

Major Maintenance Summary (Capital)

WO #	Description
4332287	Purchase of Trac Vac Parts
4332795	Purchase of miscellaneous items such as: swing check valve, tape measure, o'rings for chlorine system, crawler bags for trac vac, surface wash valve, air regulator valve supplies for service vehicle, service call PLC, parts for Township tower chlorine system, mechanical seals, motor sample pump, tubing for chlorine system, pressure gauges, batteries blue giant, thermostat, chemical pump pulley guard repair, stainless steel fittings, gaskets and impeller for sample pump, painting supplies, disconnect for pump #1, press brushing
4334250	Replacement parts for low lift pump #3 and work by contractor
4335432	Replacement of parts for submersible flygt pump
4335603	Costs for new conveyor belt and installation
4335991	Purchase of parts for chemical feed pumps (PAX and Poly)
4336259	Purchase of parts for Prominent pump kits, fittings and diaphragms

WO #	Description
4337765	Replacement for boiler circulating pump #3
4339445	Purchase of major items from HACH for lab
4339468	Purchase of air station quarterly PM items and repair filters
4377987	Purchase of 2 submersible pumps
4425998	Installation of DC drives for alum pumps
4426741	Replacement of 7 LED lights at the wastewater tanks and walkways
4486038	Purchase of miscellaneous items such as: o'rings, flange gaskets, replacement fittings for chlorinators, misc. hardware, relocate check valve positioner, zip ties, relay coil and base, Stabical process vial sample cell, red rubber gasket, FB stock, surface wash valve and pneumatic valve, solenoid for pneumatic valve, repair kit, replacement tubing for fluoride pump, solenoid valve for filter #3, parts to flush filter #3 sample line, chlorine injector line valve, ball type test cocks, ½ legend valve
4486647	Costs for air compressor quarterly maintenance by contractor
4488003	Costs for solenoid valve for high lift pump #1 by contractor
4556033	Replacement and calibration of final and flash mix pH probes by contractor
4653876	Purchase of miscellaneous items including: chlorinator parts, valve for chlorinator, compressor PM, couplings, flash mix motor, muriatic acid, electrical for poly pump, drive belts, v belts, fuses, belts for exhaust fans, solenoid valve, troubleshoot electrical, generator belts, sealant, fittings
4663606	Costs for Base Tower communication repairs by contractor
4709456	Costs associated with the upgrade of the sewage pumping station (SPS) at WTP by several contractors (WO transferred to 2026 WO# 4967577)
4711439	Purchase of 2 motors for poly pumps and installation by contractor
4759145	Switch of cellular communication from Bell Landline for the Base Tower and repair of chlorine pump
4760357	Annual service and cleaning of 3 boilers by contractor
4760989	Costs for generator repairs with thermostat, gaskets, hoses and glycol by contractor
4763732	Purchase of new main soda ash pumps (Pre & Post)
4791289	Replacement of third boiler by contractor
4817087	Addition of pressure controls to SCADA for Township Tower shutdown by contractor
4819498	Costs for air station 4000 hrs service including oil filter, air filter and oil separator by contractor
4819838	Replacement of filter #3 flow meter and installation by contractor
4864841	Replacement of expansion tank by contractor

Distribution Maintenance/Activities

Date	Details
Jan 2025	All weekly routine water sampling, tower inspections and booster stations inspections completed in every month for 2025. Water main break at Roy St/Murphy Road on Jan 19th, repaired by GP Splinter/Crawl Construction.
Feb 2025	One (1) Community Complaint: Feb 19th - 654 Birch St – sand in water.
Mar 2025	No major activities took place this month.
Apr 2025	One (1) AWQI reported: Apr 8th to MECP SAC for a Q1-2025 HAA RAA Exceedance with a result of 94.52 ug/L for the PT WDS. Elevated THM and HAA's are the focus of the engineering study/review and recommendations underway currently.
May 2025	No major activities took place this month.
Jun 2025	One (1) Community Complaint: Jun 26th - 22 John Street – low water pressure.
Jul 2025	Two (2) AWQI's reported: (1) Jul 3rd – Q2-2025 HAA RAA Exceedance with a result of 97.01 ug/L for the PT WDS; (2) AWQI reported: July 4th - Lab issued notice of sodium exceedance in 1 DW sample with a result of 22.0 mg/L; re-sample taken with a result of 16.0 mg/L (MAC = 20 mg/L) **It should be noted that this should not have been an AWQI, since it is on Treated Water that the MAC applies to and not Distribution Water. Routine operations and maintenance activities for the month of July.
Aug 2025	One (1) Community Complaint: Aug 18th – 5 New Street – bitter taste of water. Repaired curb stop rod at 1158 Victoria Street. Inspected repair on service line at 10 Craig Place by homeowner that hired a contractor. Called locates for East Street leak leading to canteen. Repair o/s hydrant at sewage plant due to broken stopper pin. Repaired hydrant at 3225 Petawawa Blvd. after bollards installed, tested and painted hydrant after repair.
Sept 2025	Routine operations and maintenance activities for the month of September.
Oct 2025	Two (2) AWQI 's reported: - Oct 7th - Q3-2025 - THM RAA Exceedance with a result of 107.29 ug/L & HAA RAA Exceedance with a result of 98.69 ug/L for the water distribution system. Stantec, a third-party contractor, is conducting an in-depth study of the plant treatment processes. This review of operational data will for the basis for recommendations to mitigate the formation of the THM and HAA issues for the Petawawa WDS. To date, extra sampling has been done to help simulate the conditions that water experiences as it travels through the distribution system-from the treatment plant to consumers' taps-over a 7-day period. We have completed one round of sampling (Sept 2-9th) and will complete an additional round in the coming weeks. Winterizing non-draining hydrants.

Date	Details
Nov 2025	Township tower out of service for repairs and painting. BPS #1 out of service with Laurentian Valley water supply line closed and bypass valve at BPS #1 open to supply water to Golf Course Road and subdivision, pressure relief valve installed on 3 hydrants to regulate system pressure in the area.
Dec 2025	Three (3) Community Complaints: (1) Dec 3rd – 528 Gardner Cres – low water pressure and colour in filter; (2) Dec 17th – 54 Ravenwood Cres – high water pressure; (3) Dec 17th – Laurentian Highland subdivision – low water pressure due to tower out of service for maintenance. Two (2) AWQI 's reported: - Jan 8th/26 – Q4-2025 - THM RAA Exceedance with a result of 113.22 ug/L & HAA RAA Exceedance with a result of 105.51 ug/L for the water distribution system. HAA, THM and capacity study on the WTP/WDS continues. OCWA met with Stantec representatives and discussed potential options to move forward. We plan to schedule a total review workshop in January. This workshop will vallidate our options with cost estimates.

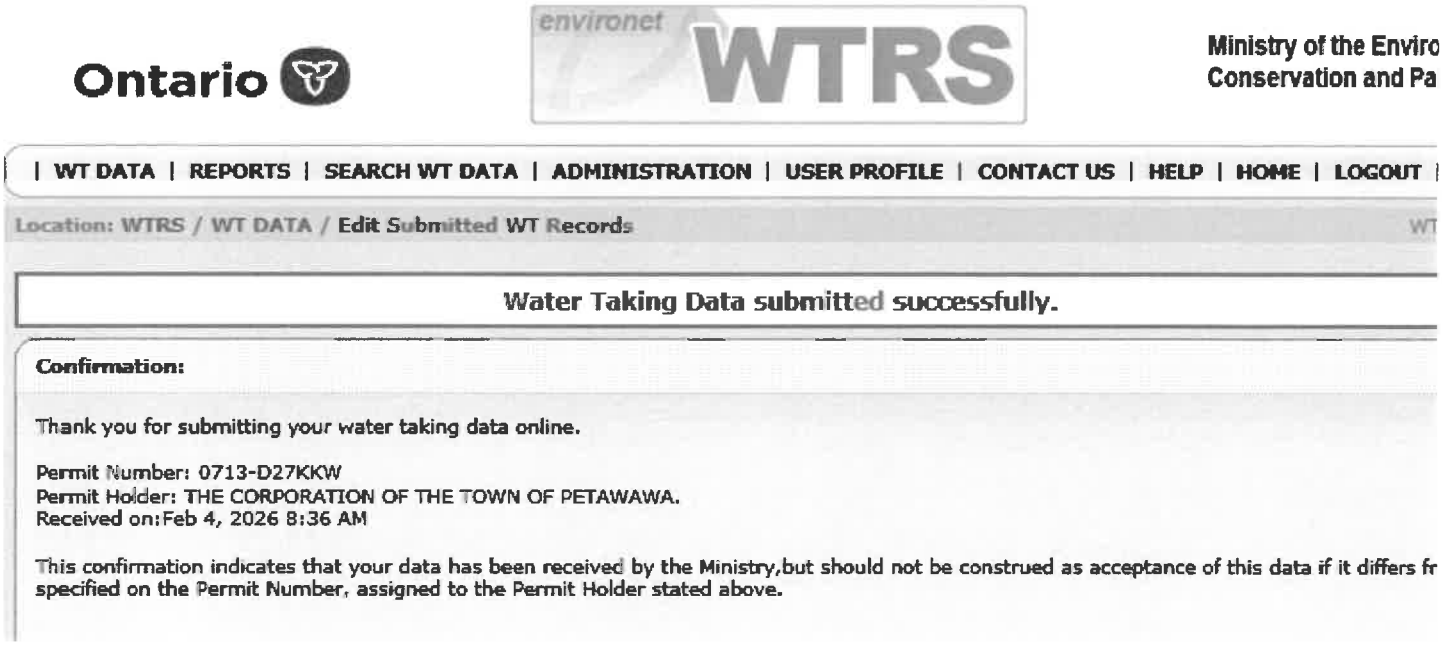
Appendix A - WTRS Data and Submission Confirmation

Brenda Royce

From: WTRS Helpdesk <WTRSHELPDESK@ontario.ca>
Sent: February-04-26 8:40 AM
To: Brenda Royce
Subject: RE: Confirmation Page

Hello Brenda,

Your 2025 submission confirmation for permit 0713-D27KKW.



Thank you,
Helen D'Apice

From: Brenda Royce <BRoyce@ocwa.com>
Sent: February 4, 2026 8:23 AM
To: WTRS Helpdesk <WTRSHELPDESK@ontario.ca>
Subject: Confirmation Page

Good Morning,