

# Petawawa Drinking Water System

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Waterworks # 210002101  
System Category – Large Municipal Residential

## Annual Water Report

Prepared For: Town of Petawawa

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup>, 2024

Issued: Jan 26, 2025

Revision: 0

Operating Authority:



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 20, 2024 – 100% (2024-2025 Inspection period)  |
| Ministry of Labour Inspection(s)   | There were no inspections during the reporting period  |
| QEMS External Audit  | Re-Accreditation Audit – held Nov 25, 2024 <ul style="list-style-type: none"> <li>No Non-Conformances</li> <li>Eight (8) OFI's identified</li> <li>Certificate of Accreditation issued on Jan 9, 2025</li> </ul> |
| AWQI's   | Four (4) – See Non-Compliance section of report for details  |
| Non-Compliances  | There were no Non-Compliances during the reporting period  |
| Community Complaints   | Fifteen (15) Community Complaints: <ul style="list-style-type: none"> <li>Service leak - 2</li> <li>Low water pressure – 5</li> <li>High water pressure – 3</li> <li>Colour – 4</li> <li>Odour - 1</li> </ul>    |
| Spills   | There were no Spills reported during the reporting period  |
| Water Main Breaks  | Six (6) – 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  |
|--------------|--------|---------------------|---------------------------------|--|----------------------------------|--|
| Apr 4, 2024  | 164738 | Distribution System | HAA RAA Exceedance – Q1 of 2024 | HAA formation problem in the distribution system | Result of 101.9 (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. |
| Jun 28, 2024 | 165383 | Distribution System | HAA RAA Exceedance – Q2 of 2024 | HAA formation problem in the distribution system | Result of 109.78                 | 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 2, 2024  | 166553 | Distribution System | HAA RAA Exceedance – Q3 of 2024 | HAA formation problem in the distribution system | Result of 108.47                 | 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 6, 2025  | 167167 | Distribution System | HAA RAA Exceedance – Q4 of 2024 | HAA formation problem in the distribution system | Result of 95.93                  | 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: (2024-2025 Inspection)

| Legislation  | requirement(s) system failed to meet | duration of the failure (i.e. date(s)) | Corrective Action | Status |
|--|--------------------------------------|--|-------------------|--------|
| There were no Non-Compliances in the Ministry inspection, reported during the 2024-2025 reporting period |                                      |  |                   |        |

## Flows

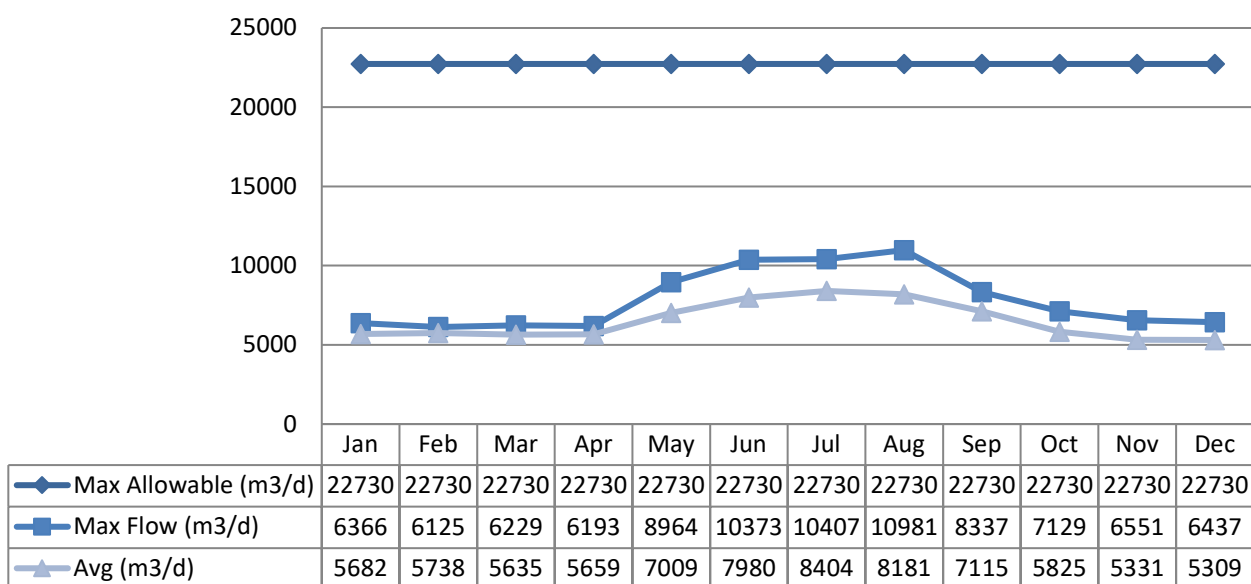
In 2024, the average day flow was at approximately 28.9% of the current plant design for the Petawawa Drinking Water System, and the maximum day flow was at approximately 49.2% of the plant design of 21 500 m<sup>3</sup>/d.

### Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2024 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.

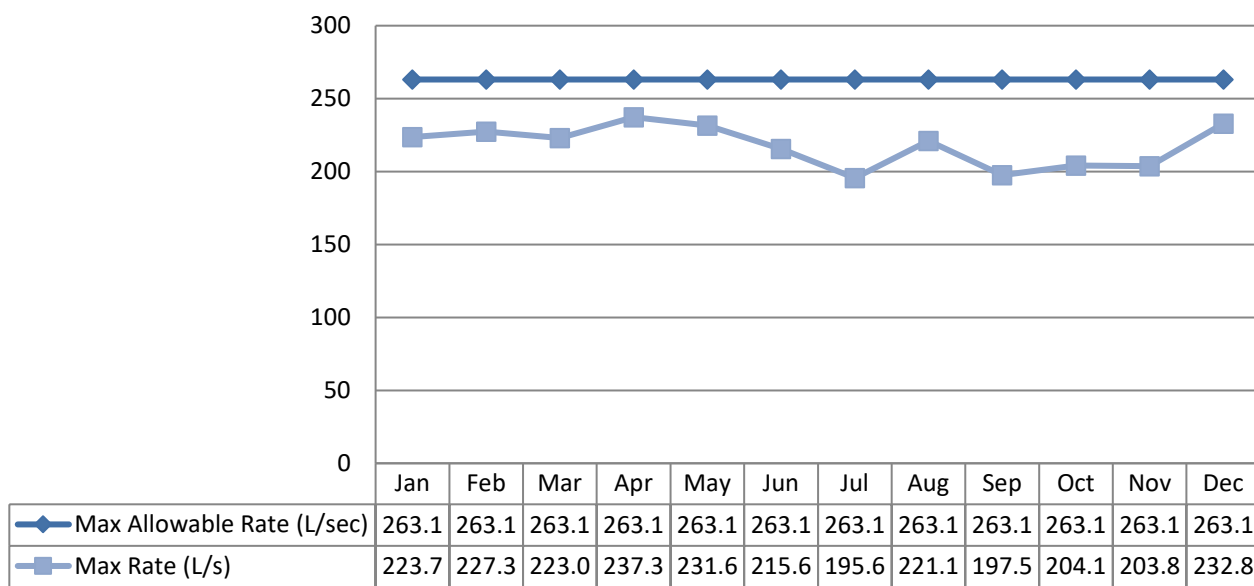
#### Total Monthly Flows (m<sup>3</sup>/d)

Max Allowable - PTTW



#### Monthly Rated Flows (L/s)

Max allowable rate - PTTW

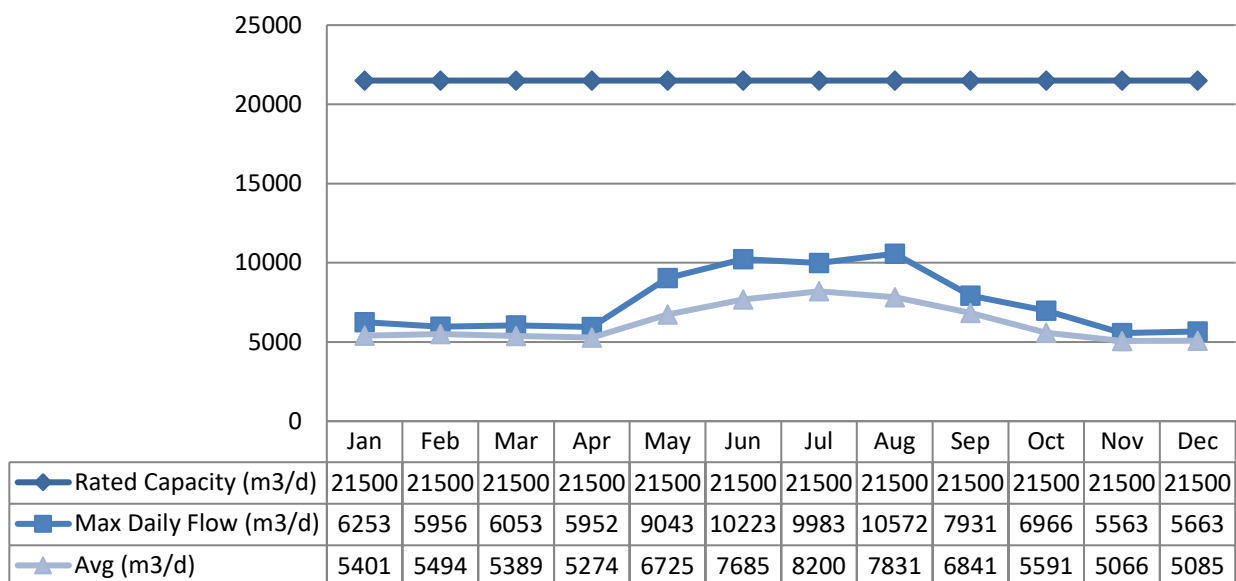


### Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

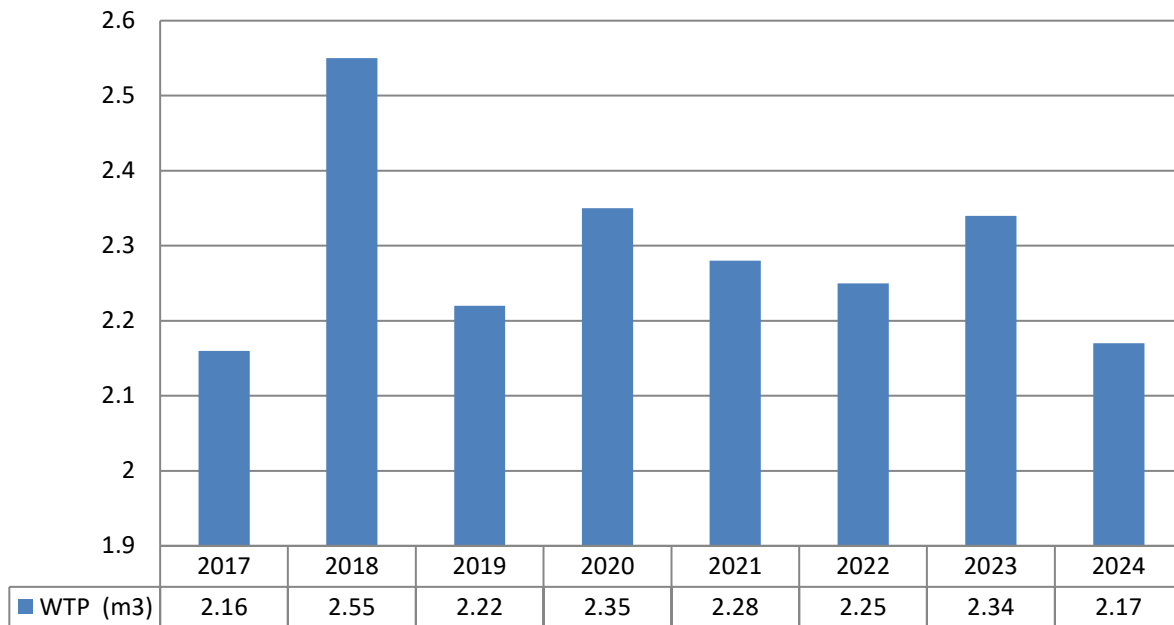
#### Monthly Rated Flows

Rated Capacity - MDWL



#### Annual Total Flow Comparison

Total Annual m3(x 10<sup>6</sup>)





## 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          | 53                       | 0                        | 9   | 0                               | 53  |                      |     |     |
| Treated Water      | 53                       | 0                        | 0   | 0                               | 0   | 52                   | 0   | 6   |
| Distribution Water | 350                      | 0                        | 0   | 0                               | 0   | 104                  | 0   | 23  |

### Operational Testing

|   | No. of Samples Collected | Range of Results |         |
|---|--------------------------|------------------|---------|
|   |                          | Minimum          | Maximum |
| Turbidity, In-House (NTU) - RW                    | 105                      | 1.17             | 5.98    |
| Turbidity, On-Line (NTU) - RW                     | 8760                     | 0.85             | 3.55    |
| Turbidity, In-House (NTU) - TW                    | 105                      | 0.06             | 0.27    |
| Turbidity, In-House (NTU) - Filt1                 | 105                      | 0.04             | 0.27    |
| Turbidity, On-Line (NTU) – Filt1                  | 8760                     | 0.02             | 0.43    |
| Turbidity, In-House (NTU) - Filt2                 | 104                      | 0.05             | 0.25    |
| Turbidity, On-Line (NTU) – Filt2                  | 8760                     | 0.04             | 0.70    |
| Turbidity, In-House (NTU) - Filt3                 | 105                      | 0.05             | 0.33    |
| Turbidity, On-Line (NTU) – Filt3                  | 8760                     | 0.03             | 0.96    |
| Free Chlorine Residual, In-House (mg/L) - TW      | 104                      | 1.13             | 1.99    |
| Free Chlorine Residual, On-Line (mg/L) - TW       | 8760                     | 0.89             | 2.26    |
| Total Chlorine Residual, In-House (mg/L) - TW     | 105                      | 1.30             | 2.19    |
| Free Chlorine Residual, In-House (mg/L) – DW1-DW7 | 352                      | 0.07             | 1.46    |
| Fluoride Residual, In-House (mg/L) - TW           | 135                      | 0.27             | 0.82    |
| Fluoride Residual, On-Line (mg/L) - TW            | 8760                     | 0                | 1.10    |

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<br>(yyyy/mm/dd) | Sample Result | MAC  | No. of Exceedances |         |
|--------------------------|-----------------------------|---------------|------|--------------------|---------|
|                          |                             |               |      | MAC                | 1/2 MAC |
| Treated Water            |                             |               |      |                    |         |
| Antimony: Sb (ug/L) - TW | 2024/01/02                  | 0.5           | 6.0  | No                 | No      |
| Arsenic: As (ug/L) - TW  | 2024/01/02                  | < MDL 1       | 10.0 | No                 | No      |

|                              | Sample Date<br>(yyyy/mm/dd) | Sample Result | MAC    | No. of Exceedances |         |
|------------------------------|-----------------------------|---------------|--------|--------------------|---------|
|                              |                             |               |        | MAC                | 1/2 MAC |
| Barium: Ba (ug/L) - TW       | 2024/01/02                  | < MDL 10      | 1000.0 | No                 | No      |
| Boron: B (ug/L) - TW         | 2024/01/02                  | < MDL 10      | 5000.0 | No                 | No      |
| Cadmium: Cd (ug/L) - TW      | 2024/01/02                  | < MDL 0.1     | 5.0    | No                 | No      |
| Chromium: Cr (ug/L) - TW     | 2024/01/02                  | < MDL 1       | 50.0   | No                 | No      |
| Mercury: Hg (ug/L) - TW      | 2024/01/02                  | < MDL 0.1     | 1.0    | No                 | No      |
| Selenium: Se (ug/L) - TW     | 2024/01/02                  | < MDL 1       | 50.0   | No                 | No      |
| Uranium: U (ug/L) - TW       | 2024/01/02                  | < MDL 1       | 20.0   | No                 | No      |
| <b>Additional Inorganics</b> |                             |               |        |                    |         |
| Fluoride (mg/L) - TW         | 2024/12/30                  | 0.59          | 1.5    | No                 | No      |
| Nitrite (mg/L) - TW          | 2024/01/02                  | < MDL 0.1     | 1.0    | No                 | No      |
| Nitrite (mg/L) - TW          | 2024/04/02                  | < MDL 0.1     | 1.0    | No                 | No      |
| Nitrite (mg/L) - TW          | 2024/07/02                  | < MDL 0.1     | 1.0    | No                 | No      |
| Nitrite (mg/L) - TW          | 2024/10/01                  | < MDL 0.1     | 1.0    | No                 | No      |
| Nitrate (mg/L) - TW          | 2024/01/02                  | 0.16          | 10.0   | No                 | No      |
| Nitrate (mg/L) - TW          | 2024/04/02                  | 0.17          | 10.0   | No                 | No      |
| Nitrate (mg/L) - TW          | 2024/07/02                  | 0.16          | 10.0   | No                 | No      |
| Nitrate (mg/L) - TW          | 2024/10/01                  | 0.18          | 10.0   | No                 | No      |
| Sodium: Na (mg/L) - TW       | 2024/01/02                  | 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               | 44      | 500        | 0                     |
| pH                  | 4                         | 8                 | 7.02             | 7.40    | 8.5        | 0                     |
| *Lead (mg/L)        | 4                         | 8                 | <0.001           | 0.002   | 0.01       | 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<br>(yyyy/mm/dd) | Sample Result | MAC   | Number of Exceedances |         |
|--|-----------------------------|---------------|-------|-----------------------|---------|
|  |                             |               |       | MAC                   | 1/2 MAC |
| Treated Water                                    |                             |               |       |                       |         |
| Alachlor (ug/L) - TW                             | 2024/01/02                  | < MDL 0.5     | 5.00  | No                    | No      |
| Atrazine + N-dealkylated metabolites (ug/L) - TW | 2024/01/02                  | < MDL 1.0     | 5.00  | No                    | No      |
| Azinphos-methyl (ug/L) - TW                      | 2024/01/02                  | < MDL 2.0     | 20.00 | No                    | No      |

|  | Sample Date<br>(yyyy/mm/dd) | Sample<br>Result | MAC    | Number of<br>Exceedances |            |
|--|-----------------------------|------------------|--------|--------------------------|------------|
|  |                             |                  |        | MAC                      | 1/2<br>MAC |
| Benzene (ug/L) - TW                                    | 2024/01/02                  | < MDL 0.5        | 1.00   | No                       | No         |
| Benzo(a)pyrene (ug/L) - TW                             | 2024/01/02                  | < MDL 0.01       | 0.01   | No                       | Yes*       |
| Bromoxynil (ug/L) - TW                                 | 2024/01/02                  | < MDL 0.5        | 5.00   | No                       | No         |
| Carbaryl (ug/L) - TW                                   | 2024/01/02                  | < MDL 5.0        | 90.00  | No                       | No         |
| Carbofuran (ug/L) - TW                                 | 2024/01/02                  | < MDL 5.0        | 90.00  | No                       | No         |
| Carbon Tetrachloride (ug/L) - TW                       | 2024/01/02                  | < MDL 0.2        | 2.00   | No                       | No         |
| Chlorpyrifos (ug/L) - TW                               | 2024/01/02                  | < MDL 1.0        | 90.00  | No                       | No         |
| Diazinon (ug/L) - TW                                   | 2024/01/02                  | < MDL 1.0        | 20.00  | No                       | No         |
| Dicamba (ug/L) - TW                                    | 2024/01/02                  | < MDL 1.0        | 120.00 | No                       | No         |
| 1,2-Dichlorobenzene (ug/L) - TW                        | 2024/01/02                  | < MDL 0.4        | 200.00 | No                       | No         |
| 1,4-Dichlorobenzene (ug/L) - TW                        | 2024/01/02                  | < MDL 0.4        | 5.00   | No                       | No         |
| 1,2-Dichloroethane (ug/L) - TW                         | 2024/01/02                  | < MDL 0.5        | 5.00   | No                       | No         |
| 1,1-Dichloroethylene (ug/L) - TW                       | 2024/01/02                  | < MDL 0.5        | 14.00  | No                       | No         |
| Dichloromethane (Methylene Chloride) (ug/L) - TW       | 2024/01/02                  | < MDL 4.0        | 50.00  | No                       | No         |
| 2,4-Dichlorophenol (ug/L) - TW                         | 2024/01/02                  | < MDL 1.0        | 900.00 | No                       | No         |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW    | 2024/01/02                  | < MDL 1.0        | 100.00 | No                       | No         |
| Diclofop-methyl (ug/L) - TW                            | 2024/01/02                  | < MDL 0.9        | 9.00   | No                       | No         |
| Dimethoate (ug/L) - TW                                 | 2024/01/02                  | < MDL 2.5        | 20.00  | No                       | No         |
| Diquat (ug/L) - TW                                     | 2024/01/02                  | < MDL 5.0        | 70.00  | No                       | No         |
| Diuron (ug/L) - TW                                     | 2024/01/02                  | < MDL 10.0       | 150.00 | No                       | No         |
| Glyphosate (ug/L) - TW                                 | 2024/01/02                  | < MDL 10.0       | 280.00 | No                       | No         |
| Malathion (ug/L) - TW                                  | 2024/01/02                  | < MDL 0.5        | 190.00 | No                       | No         |
| 2-Methyl-4-chlorophenoxyacetic Acid (MCPA) (ug/L) - TW | 2024/01/02                  | < MDL 10         | 100.00 | No                       | No         |
| Metolachlor (ug/L) - TW                                | 2024/01/02                  | < MDL 1.0        | 50.00  | No                       | No         |
| Metribuzin (ug/L) - TW                                 | 2024/01/02                  | < MDL 5.0        | 80.00  | No                       | No         |
| Monochlorobenzene (Chlorobenzene) (ug/L) - TW          | 2024/01/02                  | < MDL 0.5        | 80.00  | No                       | No         |
| Paraquat (ug/L) - TW                                   | 2024/01/02                  | < MDL 1.0        | 10.00  | No                       | No         |
| PCB (ug/L) - TW  | 2024/01/02                  | < MDL 0.1        | 3.00   | No                       | No         |
| Pentachlorophenol (ug/L) - TW                          | 2024/01/02                  | < MDL 0.5        | 60.00  | No                       | No         |
| Phorate (ug/L) - TW                                    | 2024/01/02                  | < MDL 0.5        | 2.00   | No                       | No         |
| Picloram (ug/L) - TW                                   | 2024/01/02                  | < MDL 5.0        | 190.00 | No                       | No         |
| Prometryne (ug/L) - TW                                 | 2024/01/02                  | < MDL 0.25       | 1.00   | No                       | No         |
| Simazine (ug/L) - TW                                   | 2024/01/02                  | < MDL 1.0        | 10.00  | No                       | No         |
| Terbufos (ug/L) - TW                                   | 2024/01/02                  | < MDL 0.4        | 1.00   | No                       | No         |
| Tetrachloroethylene (ug/L) - TW                        | 2024/01/02                  | < MDL 0.3        | 10.00  | No                       | No         |
| 2,3,4,6-Tetrachlorophenol (ug/L) - TW                  | 2024/01/02                  | < MDL 1.0        | 100.00 | No                       | No         |
| Triallate (ug/L) - TW                                  | 2024/01/02                  | < MDL 1.0        | 230.00 | No                       | No         |
| Trichloroethylene (ug/L) - TW                          | 2024/01/02                  | < MDL 0.3        | 5.00   | No                       | No         |

|  | Sample Date<br>(yyyy/mm/dd) | Sample<br>Result | MAC    | Number of<br>Exceedances |            |
|--|-----------------------------|------------------|--------|--------------------------|------------|
|  |                             |                  |        | MAC                      | 1/2<br>MAC |
| 2,4,6-Trichlorophenol (ug/L) - TW                | 2024/01/02                  | < MDL 0.2        | 5.00   | No                       | No         |
| Trifluralin (ug/L) - TW                          | 2024/01/02                  | < MDL 1.0        | 45.00  | No                       | No         |
| Vinyl Chloride (ug/L) - TW                       | 2024/01/02                  | < MDL 0.2        | 1.00   | No                       | No         |
| <b>Distribution Water</b>                        |                             |                  |        |                          |            |
| Trihalomethane: Total (ug/L) Annual Average - DW | 2024                        | 85.48            | 100.00 | No                       | Yes        |
| HAA: Total (ug/L) Annual Average - DW            | 2024                        | 95.93            | 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<br>Result<br>(mg/L) | Total Chlorine<br>Residual<br>(mg/L) |
|-------------|----------------------|------------------------------------|-------------|----------------------------|--------------------------------------|
| MDWL        | Backwash<br>Effluent | Total<br>Suspended<br>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   |
|---------|---|
| 3762834 | Purchase of miscellaneous items such as: Swan analytical instruments, stir bars for lab, poly line for CL2 systems and stations, masonry bits, wiring for CL2 analyzer upgrade, wedge anchors, motor for heater and soda ash mixer, electrical for air compressor, chemical sprayer for filter, shrink wrap seal bearing assembly, fan controller |
| 3804458 | Breaker replacement for generator   |
| 3805214 | Replacement parts for alum and poly pumps   |
| 3805959 | Replacement of parts for trac-vac   |
| 3849068 | Purchase of 100 anthracite bags   |
| 3899796 | Purchase of miscellaneous items such as: lumber, poly tubing, seal for blower, solenoid for filter rinse valve, material for actuator replacement, backflow preventer and check valves, filters and plugs for tower generator, bearings and parts for exhaust fans, silicone seals for pumps, micron cartridge, and keyed shaft for roof-top fan  |
| 3997170 | Purchase of parts for pressure switch for high lift pump  |
| 3997346 | Repair leak on surface wash line and move sample port on filter #3 to side of pipe  |

| WO #    | Description  |
|---------|--|
| 4049611 | Purchase of miscellaneous items such as: quarterly pm air compressor items, door sweep, air filter, sample cells, muriatic acid, volumetric pipet class A, electrical components, v-belts for roof-top fan, and motor repair |
| 4050709 | Upgrades to SCADA for backup pre soda ash and daily reports  |
| 4141589 | Purchase of fluoride reference, pH sensor and standard solution  |
| 4141805 | Purchase of dehumidifier for plant   |
| 4144373 | Repair of submersible waste pump at the pumping station  |
| 4187920 | Services provided for the cleaning of the boiler   |
| 4195691 | Services provided for the air compressor 4000 hours  |
| 4276995 | Repair of submersible pumps by re-wiring (2) 600V with splice kit  |
| 4278464 | Replacement of new gas boiler at plant   |
| 4278467 | Costs for rental of 2 submersible pumps, electrical cords 10 gauge and hoses for clarifier clean-out   |
| 4279544 | Repair of wastewater Flygt pump with re-wiring, bearings and motor   |
| 4279943 | Costs associated with the clean out of the wastewater tanks – hydro vac truck  |

### Distribution Maintenance/Activities

| Date     | Details  |
|----------|--|
| Jan 2024 | All weekly routine water sampling, tower inspections and booster stations inspections completed in every month for 2024.<br>Water service line repair on Algonquin Street at Bert Street.<br>Isolated altitude valve at Base Tower to dismantle and replace seals.   |
| Feb 2024 | Three (3) Community Complaints: Oelke Street – high water pressure; Plaza at Victoria and Wolfe Avenue – discoloured water; Ravenwood Crescent – high water pressure.<br>Service break at Algonquin Street at Bert Street.<br>Assembled altitude valve at Base Tower, tested and returned to service.<br>Performed analyzer maintenance in all towers and booster stations.<br>Installed new door switch at Township Tower and tested intrusion and low temperature. |
| Mar 2024 | One (1) Community Complaint: Easy Street – flooded crawl space.<br>Continued routine operations and maintenance duties for the month.  |
| Apr 2024 | Repaired curb stop on Easy Street with vacuum truck and replaced rod and box.<br>One (1) Community Complaint: Easy Street - Collected bacti and chemical samples and sent to lab for analysis.<br>Annual PM's for the chlorine pumps at the towers.<br>Turned off heat trace at bridge.<br>Water service leak and locate done on Doran Street.   |

| Date      | Details   |
|-----------|---|
|           | <p>Turned water on at Public Works garage, Field #4 and pump room for Civic Centre.</p> <p>Turned water on at Petawawa Heritage Village for season.</p> <p>Tested backflow preventers at Base Tower and Harry Street and generator checks.</p> <p>Annual spring hydrant inspections, testing and flushing commenced.</p>  |
| May 2024  | <p>Two (2) Community Complaints: Norman Street &amp; Wolfe Avenue – both discoloured water.</p> <p>Connected new free chlorine analyzer at Base Tower. Relocated water feed and stack to accommodate new analyzer.</p> <p>Flow meter calibrations performed by contractor at Wolfe Avenue, Leeder Lane, valve pit, and BPS's #1 &amp; #2.</p> <p>Annual hydrant inspections and water main flushing continued.</p>  |
| Jun 2024  | <p>Three (3) Community Complaints: Birch Street – low water pressure; Murphy Road – high water pressure; Norman Street – service leak.</p> <p>Tie in for new water main on Portage Road.</p> <p>Routine operations and maintenance activities continued for the month.</p>  |
| Jul 2024  | <p>One (1) Community Complaint: Heritage Drive – low water pressure.</p> <p>Annual hydrant inspections and testing continued in July. Minor maintenance and flow ratings identified by placing reflective hydrant rings.</p> <p>Clean out of valve box at Industrial Avenue and Water Tower Road damaged by road project.</p> <p>Isolated Portage Road to remove hydrant #132 as part of road project, and new pipe and connections were completed.</p> <p>Two (2) water and sewer inspections on Zachary Street.</p> <p>Routine operations and maintenance activities for the month of July.</p> |
| Aug 2024  | <p>Three (3) Community Complaints: Terrance Drive – low water pressure (LWP); Chad Street – LWP; Ethel Street – LWP.</p> <p>Installed and tested new battery for generator at BPS #2.</p> <p>Performing dead end hydrant flushing.</p> <p>Routine operations and maintenance activities for the month of August.</p> <p>Annual hydrant inspections and testing continued into August. 150 hydrants painted by contractor.</p>   |
| Sept 2024 | <p>Performing dead end hydrant flushing.</p> <p>Replaced chlorine injection lance assembly at Base Tower, due to a split.</p> <p>One (1) water and sewer inspection on Chad Street.</p> <p>Supervised live tap on Murphy Road.</p> <p>Seasonal water shut-offs for Valour School and mini-putt building.</p> <p>Routine operations and maintenance activities for the month of September.</p> <p>Annual hydrant inspections and testing continued into September.</p>   |
| Oct 2024  | <p>One (1) Community Complaint: McNamara Street – odour and staining.</p> <p>Winterized all non-draining hydrants in distribution system.</p> <p>Water turn offs at East Street and Centennial Park.</p> <p>Installed new 120V plug in for new gas heater at Base Tower.</p> <p>Routine operations and maintenance activities for the month of October.</p> <p>Annual hydrant inspections and testing continued into October.</p>   |

| Date     | Details   |
|----------|---|
| Nov 2024 | <p>One (1) Community Complaint – Portage Road – colour and odour.</p> <p>Isolated two hydrants for Murphy Road project to install extension kits.</p> <p>Supervised pressure test at 1067/1069 Limestone Trail at new apartment buildings.</p> <p>Repaired water service leak and installed new curb stop at Centennial Park.</p> <p>Replaced O-rings on chlorine system at Town Tower.</p> <p>Three (3) water and sewer inspections completed.</p> <p>Four (4) water on/off requests completed.</p> <p>Routine operations and maintenance activities for the month of October.</p> |
| Dec 2024 | <p>Raised curb stop at a house on Laurentian Drive.</p> <p>Repaired 65 mm hydrant port at Fire Department station #1.</p> <p>Routine operations and maintenance activities for the month of December.</p>   |

## **Appendix A - WTRS Data and Submission Confirmation**



**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 3814-9J2RQN

Permit Holder: THE CORPORATION OF THE TOWN OF PETAWAWA.

Received on: Jan 30, 2025 1:21 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

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version: v4.5.0.21 (build#: 22)

Last modified: 2018/09/18

**Water Taking Data submitted successfully.****Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 0713-D27KKW

Permit Holder: THE CORPORATION OF THE TOWN OF PETAWAWA.

Received on: Jan 30, 2025 1:22 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

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version: v4.5.0.21 (build#: 22)

Last modified: 2018/09/18