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, 2021

Issued: Feb 25, 2022

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

Table of Contents

Report Availability	
Compliance Report Card	1
System Process Description	1
Raw Source	1
Treatment	1
Treatment Chemicals used during the reporting year:	2
Distribution	2
Summary of Non-Compliance	2
Adverse Water Quality Incidents	2
Non-Compliance	2
Non-Compliance Identified in a Ministry Inspection:	2
Flows	3
Raw Water Flows	3
Total Monthly Flows (m3/d)	3
Monthly Rated Flows (L/s)	3
Treated Water Flows	4
Monthly Rated Flows	4
Annual Total Flow Comparison	4
Regulatory Sample Results Summary	5
Microbiological Testing	5
Operational Testing	5
Inorganic Parameters	5
Schedule 15 Sampling:	6
Organic Parameters	6
Additional Legislated Samples	8
Major Maintenance Summary	8
Distribution Maintenance	9
WTPS Data and Submission Confirmation	12

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)	Sep 17, 2020 – received 100% (2020-2021 Inspection period)
Ministry of Labour Inspection(s)	There were no inspections during the reporting period.
QEMS External Audit	Re Accreditation Audit (On-Site Audit) Completed on Nov 23, 2021 – No non-conformances were identified; Seven (7) OFI's identified; Accreditation obtained.
AWQI's	Two (2)
Non-Compliances	There were no non-compliances reported during the reporting period.
Community Complaints	Nine (9) Community Complaints: Water service breaks - 3 Low water pressure - 1 Taste & Odour - 2 Aesthetics - 3
Spills	There were no Spills reported during the reporting period.
Water Main Breaks	One (1)

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 3 100 service connections in the Town of Petawawa, approximately 3 000 of which are residential. There are approx. 35 dead ends and approx. 596 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 14, 2021	154652	DW – in distribution	Fluoride result of 10.3 ppm	Fluoride analyzer spiking problem	MAC is 1.2 ppm	The fluoride analyzer spiked to 10.3 ppm, and then read 0.65 ppm. More DW samples were taken, as per the Health Unit instructions. The results came back good. No further actions were required.
Aug 5, 2021	154956	Temp water main in DW	TC of 8	Unknown cause of result	MAC is 0	Samples were taken again in the area. Results came back good. No further actions were 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-compliance issues reported during the reporting period.					

Non-Compliances Identified in a Ministry Inspection: (2020-2021 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 reporting period.							

Flows

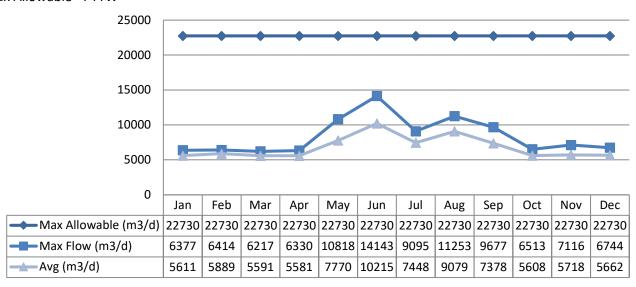
In 2021, the average day flow was at approximately 29.0% of the current plant design for the Petawawa Drinking Water System, and the maximum day flow was at approximately 62.3% of the plant design of 21 500 m³/d.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2020 Raw Flow Data was submitted to the Ministry electronically under permit #3814-9J2RQN. The confirmation and a copy of the data that was submitted are attached in Appendix A.

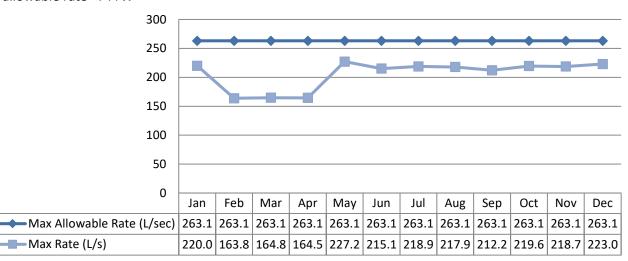
Total Monthly Flows (m3/d)

Max Allowable - PTTW



Monthly Rated Flows (L/s)

Max allowable rate - PTTW

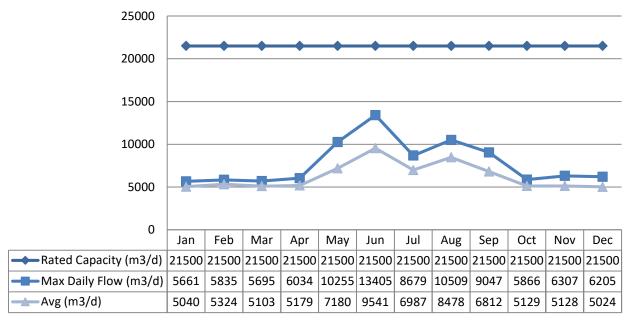


Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

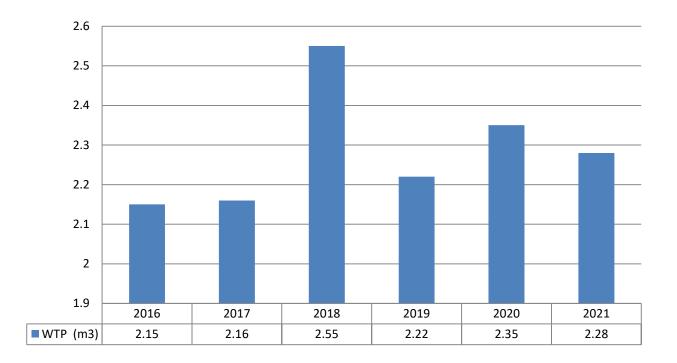
Monthly Rated Flows

Rated Capacity - MDWL



Annual Total Flow Comparison

Total Annual m3(x 10⁶)



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.	Range of E. Coli Results		Range of Total Coliform Results		Range of HPC Results		
		Min	Max	Min	Max	No. Samples	Min	Max	
Raw Water	51	0	5	0	67				
Treated Water	51	0	0	0	0	51	0	22	
Distribution Water	387	0	0	0	0	113	0	500	

Operational Testing

	No. of Samples	Range o	of Results
	Collected	Minimum	Maximum
Turbidity, In-House (NTU) - RW	104	0.67	6.87
Turbidity, On-Line (NTU) - RW	8760	0.64	5.71
Turbidity, In-House (NTU) - TW	104	0.03	0.24
Turbidity, In-House (NTU) - Filt1	104	0.05	0.29
Turbidity, On-Line (NTU) – Filt1	8760	0.01	1.99
Turbidity, In-House (NTU) - Filt2	104	0.04	1.03
Turbidity, On-Line (NTU) – Filt2	8760	0.004	0.58
Turbidity, In-House (NTU) - Filt3	104	0.04	0.21
Turbidity, On-Line (NTU) – Filt3	8760	0.01	0.88
Free Chlorine Residual, In-House (mg/L) - TW	106	1.29	2.10
Free Chlorine Residual, On-Line (mg/L) - TW	8760	0.68	2.97
Total Chlorine Residual, In-House (mg/L) - TW	104	1.63	2.40
Free Chlorine Residual, In-House (mg/L) - DW	387	0.09	1.59
Free Chlorine Residual, On-Line (mg/L) - DW	8760	0.07	5.31
Fluoride Residual, In-House (mg/L) - TW	119	0.47	0.83
Fluoride Residual, On-Line (mg/L) - TW	8760	0.31	0.94

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	Sample Result	MAC	No. of Exceedances		
	(yyyy/mm/dd)	mg/L	mg/L	MAC	1/2 MAC	
Treated Water						
Antimony: Sb (mg/L) - TW	2021/01/04	<mdl 0.5<="" td=""><td>6.0</td><td>No</td><td>No</td></mdl>	6.0	No	No	
Arsenic: As (mg/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>10.0</td><td>No</td><td>No</td></mdl>	10.0	No	No	
Barium: Ba (mg/L) - TW	2021/01/04	10.0	1000.0	No	No	

	Sample Date	Sample Result	MAC	No. of Ex	ceedances
	(yyyy/mm/dd)	mg/L	mg/L	MAC	1/2 MAC
Boron: B (mg/L) - TW	2021/01/04	<mdl 10.0<="" td=""><td>5000.0</td><td>No</td><td>No</td></mdl>	5000.0	No	No
Cadmium: Cd (mg/L) - TW	2021/01/04	<mdl 0.1<="" td=""><td>5.0</td><td>No</td><td>No</td></mdl>	5.0	No	No
Chromium: Cr (mg/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>50.0</td><td>No</td><td>No</td></mdl>	50.0	No	No
Mercury: Hg (mg/L) - TW	2021/01/04	0.1	1.0	No	No
Selenium: Se (mg/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>50.0</td><td>No</td><td>No</td></mdl>	50.0	No	No
Uranium: U (mg/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>20.0</td><td>No</td><td>No</td></mdl>	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2021/12/29	0.76	1.5	No	Yes
Nitrite (mg/L) - TW	2021/01/04	<mdl 0.1<="" td=""><td>1.0</td><td>No</td><td>No</td></mdl>	1.0	No	No
Nitrite (mg/L) - TW	2021/04/06	<mdl 0.1<="" td=""><td>1.0</td><td>No</td><td>No</td></mdl>	1.0	No	No
Nitrite (mg/L) - TW	2021/07/05	<mdl 0.1<="" td=""><td>1.0</td><td>No</td><td>No</td></mdl>	1.0	No	No
Nitrite (mg/L) - TW	2021/10/04	<mdl 0.1<="" td=""><td>1.0</td><td>No</td><td>No</td></mdl>	1.0	No	No
Nitrate (mg/L) - TW	2021/01/04	0.26	10.0	No	No
Nitrate (mg/L) - TW	2020/04/06	0.19	10.0	No	No
Nitrate (mg/L) - TW	2021/07/05	0.14	10.0	No	No
Nitrate (mg/L) - TW	2021/10/04	0.20	10.0	No	No
Sodium: Na (mg/L) - TW	2019/04/29	14.0	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:

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 2024 – every 3 years)

Distribution System	Number of Sampling	Number of Samples	Range o	f Results	MAC	Number of
Distribution system	Points	Number of Samples	Minimum	Maximum	(mg/L)	Exceedances
Alkalinity (mg/L)	4	8	27	32	500	0
рН	4	8	7.04	7.40	8.5	0
Lead (mg/L)	4	8	< 0.001	< 0.001	0.10	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	Comple Desult	MAC	-	ber of dances
	(yyyy/mm/dd)	Sample Result	WAC	MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2021/01/04	<mdl 0.5<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Azinphos-methyl (ug/L) - TW	2021/01/04	<mdl 2.0<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Benzene (ug/L) - TW	2020/01/08	<mdl 0.5<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2021/01/04	<mdl 0.01<="" td=""><td>0.01</td><td>No</td><td>Yes*</td></mdl>	0.01	No	Yes*
Bromoxynil (ug/L) - TW	2021/01/04	<mdl 0.5<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Carbaryl (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No

	Sample Date	Sample Result	MAC	Number of Exceedances	
	(yyyy/mm/dd)	Sample Result	WAC	MAC	1/2 MAC
Carbofuran (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2020/01/08	<mdl 0.2<="" td=""><td>2.00</td><td>No</td><td>No</td></mdl>	2.00	No	No
Chlorpyrifos (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No
Diazinon (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Dicamba (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>120.00</td><td>No</td><td>No</td></mdl>	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2020/01/08	<mdl 0.4<="" td=""><td>200.00</td><td>No</td><td>No</td></mdl>	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2020/01/08	<mdl 0.4<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2020/01/08	<mdl 0.2<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2020/01/08	<mdl 0.5<="" td=""><td>14.00</td><td>No</td><td>No</td></mdl>	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2020/01/08	<mdl 4.0<="" td=""><td>50.00</td><td>No</td><td>No</td></mdl>	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>900.00</td><td>No</td><td>No</td></mdl>	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>100.00</td><td>No</td><td>No</td></mdl>	100.00	No	No
Diclofop-methyl (ug/L) - TW	2021/01/04	<mdl 0.9<="" td=""><td>9.00</td><td>No</td><td>No</td></mdl>	9.00	No	No
Dimethoate (ug/L) - TW	2021/01/04	<mdl 2.5<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Diquat (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>70.00</td><td>No</td><td>No</td></mdl>	70.00	No	No
Diuron (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>150.00</td><td>No</td><td>No</td></mdl>	150.00	No	No
Glyphosate (ug/L) - TW	2021/01/04	<mdl 25.0<="" td=""><td>280.00</td><td>No</td><td>No</td></mdl>	280.00	No	No
Malathion (ug/L) - TW	2021/01/04	<mdl 0.5<="" td=""><td>190.00</td><td>No</td><td>No</td></mdl>	190.00	No	No
2-Methyl-4-chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2021/01/04	<mdl 10.0<="" td=""><td>100.00</td><td>No</td><td>No</td></mdl>	100.00	No	No
Metolachlor (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>50.00</td><td>No</td><td>No</td></mdl>	50.00	No	No
Metribuzin (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>80.00</td><td>No</td><td>No</td></mdl>	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2020/01/08	<mdl 0.5<="" td=""><td>80.00</td><td>No</td><td>No</td></mdl>	80.00	No	No
Paraquat (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
PCB (ug/L) - TW	2021/01/04	<mdl 0.1<="" td=""><td>3.00</td><td>No</td><td>No</td></mdl>	3.00	No	No
Pentachlorophenol (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>60.00</td><td>No</td><td>No</td></mdl>	60.00	No	No
Phorate (ug/L) - TW	2021/01/04	<mdl 0.5<="" td=""><td>2.00</td><td>No</td><td>No</td></mdl>	2.00	No	No
Picloram (ug/L) - TW	2021/01/04	<mdl 5.0<="" td=""><td>190.00</td><td>No</td><td>No</td></mdl>	190.00	No	No
Prometryne (ug/L) - TW	2021/01/04	<mdl 0.25<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Simazine (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
Terbufos (ug/L) - TW	2021/01/04	<mdl 0.4<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2020/01/08	<mdl 0.3<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>100.00</td><td>No</td><td>No</td></mdl>	100.00	No	No
Triallate (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>230.00</td><td>No</td><td>No</td></mdl>	230.00	No	No
Trichloroethylene (ug/L) - TW	2020/01/08	<mdl 0.3<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2021/01/04	<mdl 0.7<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Trifluralin (ug/L) - TW	2021/01/04	<mdl 1.0<="" td=""><td>45.00</td><td>No</td><td>No</td></mdl>	45.00	No	No
Vinyl Chloride (ug/L) - TW	2020/01/08	<mdl 0.2<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Average - DW	2021	70.8	100.00	No	Yes
HAA: Total (ug/L) Annual Average - DW	2021	85.4	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	Total	January	<2.0	
	Effluent	Suspended			
		Solids - TSS			
			April	16	
			June *	4.0	0.06
			July	<2.0	0.03
			August	3.0	0.02
			September	4.0	0.02
			October	2.0	0.02
			November	5.0	0.06
			December	3.0	0.02
			Annual	<4.56	0.03
	DMU II- d f th - TCC		Average	(MAC=25)	(MAC=0.02)

^{*}The renewed MDWL called for the TSS to be sampled monthly starting in June 2021 and sample for total chlorine residual, for the mentioned annual averages (MAC).

Major Maintenance Summary (Capital)

WO #	Description
2092541	Purchase of new washer and dryer for the water treatment plant.
2177964	Annual water tower inspections by Landmark.
2405356	Costs associated with the Portage Road temporary water main chlorine residuals.
2091821	Costs for Crawl Consulting and GP Splinter to do water service leak repair on Mary Street.
2092537	Miscellaneous capital costs for items such as: light bulbs for town tower, freight, hoses, tools for distribution truck, steel, battery for township tower generator, relief valve, cotterpins, shut off key, and other distribution hardware.
2173318	Curb stop repairs performed at Art-e-Motive and Vermont Meadows.
2267682	Water service repair on Ethel Street by Crawl Consulting.
2268890	Water valve replacement on Audrey Street and Hilda main leak repair, completed by RGT Clouthier Construction.
2406709	Replacement turbidimeters for the three filters at the plant.
2092291	Miscellaneous capital costs for items such as: paint and painting supplies, thermostat, solenoid, Capital Controls service call, fan blade, plumbing supplies, and diaphragm pump.
226689	Flushed at five locations and tested for chlorine, sample bacti's twice, and handed over to BEI Construction for the temporary water samples for Portage Road.
2500388	Replacement of heat circulating pump parts.
2177962	Replacement of electric high lift check valve.

2091805	Costs for repair to actuator from manufacturer, rewired, limits set, and troubleshooting.
2092561	Replacement of new dryer plug.
2498092	Repair of screw-type air compressor.
2091803	Repair of heater in clarifier room.
2222386	Repairs and new PLC for the trac-vac system, by OVIVO Inc.
2452514	Costs for spare parts for the chlorine gas system at the water plant.
2452523	Repair work and SCADA maintenance by Capital Controls.
2093124	Costs for testing ball plug required for the culvert berm at plant.
2172464	Repair of the submersible pump from the sewage pumping station by Rick's Electric Motor Centre from Pembroke.
2172476	Miscellaneous capital costs for items such as: poly tubing, oil filter for valve turner, pulley motor, parts for outside water tap, motor for exhaust fan in fluoride storage room, Capital Controls service call, O-rings, Falcon Security service call, painting supplies, couplings, gel filled pH probe, and other hardware.
2268876	Replacement of surge suppression modules for the main MCC.
2270493	Miscellaneous capital costs for items such as: two repair kits plus a credit for return, garden hose cap, Capital Controls service call on trac-vac, replacement fridge (using small fridge for COVID samples), painting supplies, electrical service call for high lift pump #2, electrical supplies, saw blade, rubber sleeve, parts for lawn mower, diaphragm, and other hardware.
2362468	Purchase of spare fluoride probe for the analyzer.
2265862	Costs for BEI Construction cutting in new water valve at Scott Street for Portage Road rehabilitation.

Distribution Maintenance/Activities

Date	Details		
	Four (4) Community Complaints: Daniel Street – coloured sand in water; Noble		
	Crescent – strong chlorine odour; Bedard Blvd – water service leak; Derek Street –		
Jan 2021	low water pressure.		
	Inspected hydrants used by fire department for the Art-e-Motive garage fire.		
	Repaired hydrant on Verekyen Crescent after fire (noted above).		
Feb 2021	One (1) Community Complaint: William Street – water service line break		
	One (1) Community Complaint: Ravenwood Crescent – discoloured water.		
Mar 2021	Water turn on to three (3) new homes.		
	Two (2) Water & Wastewater Inspections.		
Apr 2021	Two Community Complaints: Ethel Street – leaking curb stop; Ravenwood Cres –		
	discoloured water.		
May 2021	New water main bacti sampling on Portage Road for BEI and weekly bacti sampling		
	for the temporary water line.		
	Repaired hydrant #113 discharge port, as it was cracked and leaking.		

	Flushed hydrant #113 for BEI to install temporary service line.
	Water main valve exercising and isolating of construction work areas for BEI and
	H&H Construction.
	Water & Wastewater Inspections: 2 - Doran Road; 2 - Mary Street; 2 - Terrance
	Drive; 3 – Chad Street; 1 – Liam Street.
	Turned water on for Civic Center garage, hut, Valour school field, and Heritage
	Village.
	Water main replacement on Audrey Street by RGT Clouthier Construction.
	Water main tie in at Portage Road and Petawawa Blvd by BEI.
	Temporary water main repairs on Portage Road on May 21 st and May 25 th .
	Continued with new water main sampling for BEI on Portage Road and weekly
	bacti sampling of the temporary water service line.
	Hydrant flushing started.
	Water & Wastewater Inspections: 3 – Zachary Street, Terrance Drive, and Sack Road.
	Installed service water line, check valve, and piping at entrance to Pinewood Trailer
Jun 2021	Park.
	Lowered curb stop valve box on Gerald Street; raised curb stop valve on Jan Street.
	Water turn off on Heritage Street for homeowner to replace main shutoff tap in
	house.
	Charged and flushed first section of the new water main on Portage Road for BEI.
	Isolated area on Audrey Street for BEI to install new 8-inch water main valve.
	One (1) Community Complaint: Daniel Street – odour.
	Completed annual hydrant checks and flushing program.
Jul 2021	Started maintenance on fire hydrants (ex. greasing, repairs).
	Six (6) Water & Wastewater Inspections.
	Water main flushing and sampling continued with daily chlorine residual testing
	and bacti sampling, and numerous activities in relation to the new construction on
	Portage Road & Petawawa Blvd.
Λυσ 2021	Fire Hydrant flushing completed, and dead ends and maintenance started.
Aug 2021	Water main valve exercising continued and the isolating of construction work areas
	for BEI Construction.
	Six (6) Water & Wastewater Inspections.
	One (1) water service line repair and one (1) alteration to a curb stop valve box.
	Continued with water main flushing and sampling with daily chlorine residual
	testing and bacti sampling, and numerous activities in relation to the new
	construction on Portage Road & Petawawa Blvd.
	Fire hydrant flushing was continued. Dead end flushing and maintenance
Sept 2021	continued.
	Continued with water main exercising and isolation for BEI project, H&H
	Construction, and RGT Clouthier Construction.
	Eleven (11) Water & Wastewater Inspections completed.
	Repaired five (5) curb stop valve boxes.
Oct 2021	Continued with water main flushing and sampling with daily chlorine residual
	testing and bacti sampling, and numerous activities in relation to the new
	construction on Portage Road & Petawawa Blvd.
	Continued with water main flushing and sampling with daily chlorine residual
Nov 2021	testing and bacti sampling, and numerous activities in relation to the new
	construction on Portage Road & Petawawa Blvd.
	Fire hydrant flushing was continued. Dead end flushing and maintenance

Ontario Clean Water Agency – Petawawa Drinking Water System – 2021 Annual Water Report

Rev. 0 Issued: 25-Feb-2022 Page | 11

	continued. Continued with water main isolation for BEI project, H&H Construction, and RGT Clouthier Construction. Four (4) Water & Wastewater Inspections.
Dec 2021	Continued with dead end flushing and maintenance.

Appendix A

WTRS Data and Submission Confirmation



Location: WTRS / WT DATA / Input WT Record

WTRS-WT-008

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: Feb 11, 2022 10:28 AM

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.

Return to Main Page

TOWN2 PETAWAWA2 | 2022/02/11

version: v4.5.0.21 (build#: 22)

Last modified: 2018/09/18

Ontario This site maintained by the Government of Ontario

©2022Queen's Printer for Ontario