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, 2020

Issued: Feb 26th, 2021

Revision: 1

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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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	S2 - Surveillance System Audit (Off-Site Audit) – completed on Oct 20, 2020 – No non-conformances identified; 1 OFI - *"Ensure that CP-01 to CP-06 are tested over a 5 year period as per OP-18, 3.6 of your procedures".*
AWQI's	One (1)
Non-Compliances	There were no non-compliances reported during the reporting period.
Community Complaints	Seven (7) Community Complaints: Water pressure - 2 Taste & Odour - 2 Aesthetics – 2 Lead - 1
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
PAS-8/PASS-10/PAX-XL6	Coagulant	Kemira
Fluoride	Fluoridation	Brenntag
Soda Ash Dense (bulk/bags)	pH Adjustment	Univar/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
Apr 9, 2020	149851	TW – in plant	Fluoride result of 1.56 ppm on TW	Fluoride Pump Problems	MAC is 1.2 ppm	Shut off fluoride pump until maintenance performed and a new pump rate was found to mitigate the problems. 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-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

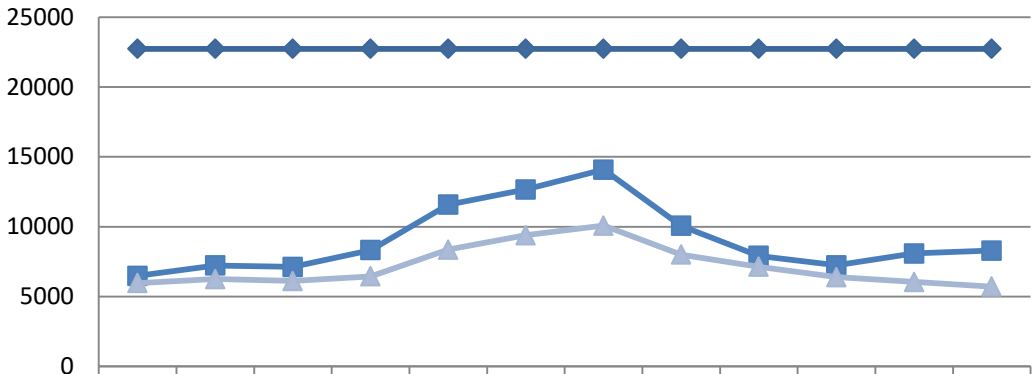
In 2020, the average day flow was at approximately 29.9% of the current plant design for the Petawawa Drinking Water System, and the maximum day flow was at approximately 59.3% of the plant design of 21 500 m^3/d.

Raw Water Flows

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

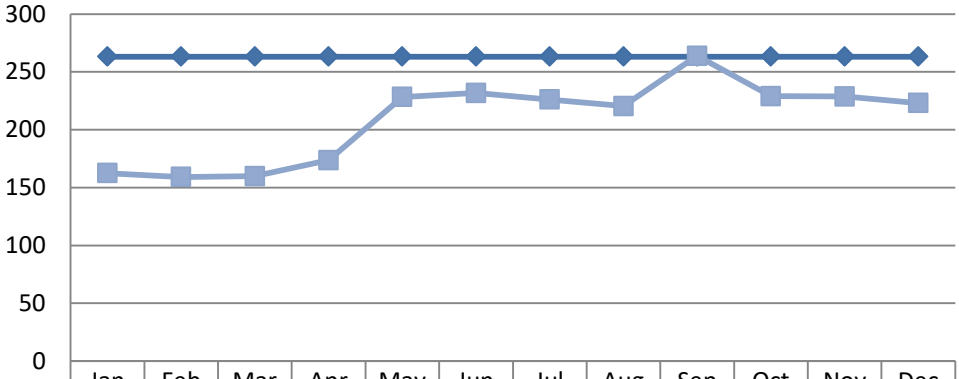
Max Allowable - PTTW



	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)	6480	7232	7120	8329	11574	12668	14088	10071	7915	7239	8090	8288
Avg (m3/d)	5969	6252	6118	6451	8361	9391	10077	8008	7141	6388	6049	5718

Monthly Rated Flows (L/s)

Max allowable rate - PTTW



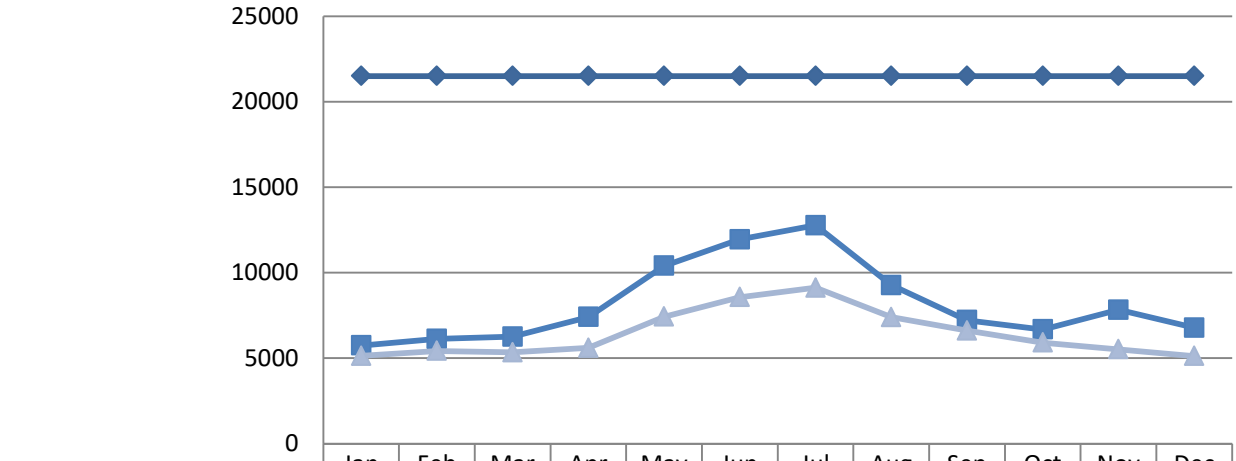
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
Max Rate (L/s)	162.5	159.2	159.9	173.7	228.3	231.7	226.0	220.4	263.9	229.0	228.8	223.0

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

Monthly Rated Flows

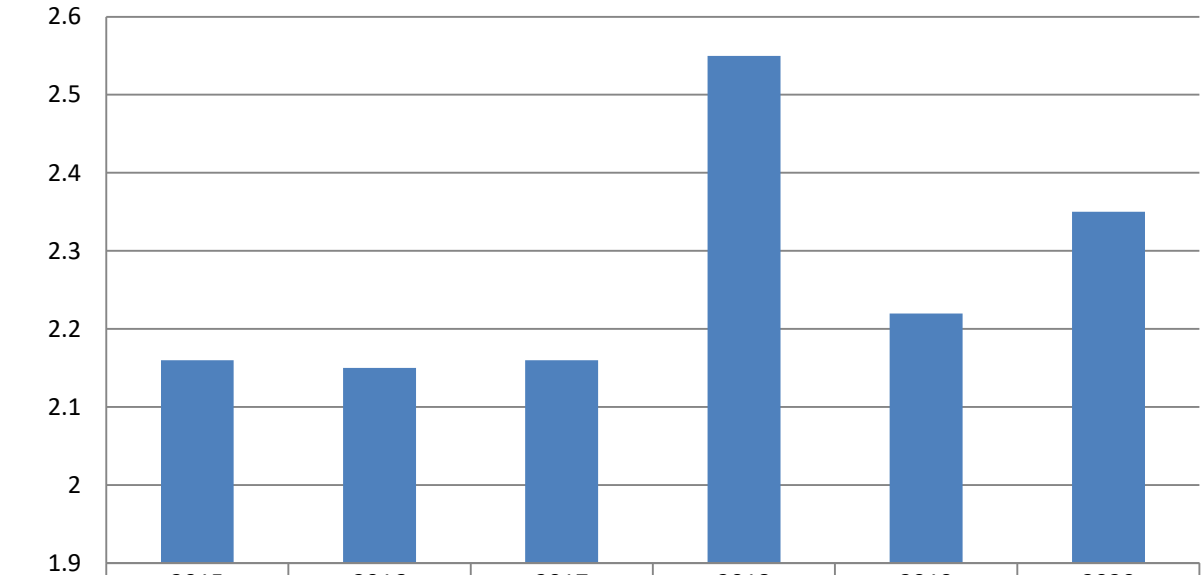
Rated Capacity - MDWL



	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)	5737	6121	6257	7403	10398	11944	12766	9270	7216	6680	7830	6779
Avg (m3/d)	5137	5420	5338	5597	7424	8570	9120	7396	6608	5910	5518	5124

Annual Total Flow Comparison

Total Annual m3(x 10^6)



	2015	2016	2017	2018	2019	2020
WTP	2.16	2.15	2.16	2.55	2.22	2.35

Regulatory Sample Results Summary

Microbiological Testing (*First Jan 2020 samples were frozen and not delivered in time to lab by courier)

	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	51*	0	2	0	1710			
Treated Water	51*	0	0	0	0	51*	0	113
Distribution Water	346	0	0	0	0	15	0	7

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW	105	0.879	6.97
Turbidity, On-Line (NTU) - RW	8760	0.681	5.915
Turbidity, In-House (NTU) - TW	105	0.055	0.235
Turbidity, In-House (NTU) - Filt1	105	0.052	0.411
Turbidity, On-Line (NTU) – Filt1	8760	0.01	0.92
Turbidity, In-House (NTU) - Filt2	105	0.043	0.287
Turbidity, On-Line (NTU) – Filt2	8760	0.01	0.99
Turbidity, In-House (NTU) - Filt3	105	0.043	0.287
Turbidity, On-Line (NTU) – Filt3	8760	0.01	0.89
Free Chlorine Residual, In-House (mg/L) - TW	106	1.33	1.94
Free Chlorine Residual, On-Line (mg/L) - TW	8760	0.88	2.25
Total Chlorine Residual, In-House (mg/L) - TW	106	1.59	2.24
Free Chlorine Residual, In-House (mg/L) - DW	346	0.32	2.01
Free Chlorine Residual, On-Line (mg/L) - DW	8760	0	3.60
Fluoride Residual, In-House (mg/L) - TW	124	0.08	0.8
Fluoride Residual, On-Line (mg/L) - TW	8760	0	1.88

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 mg/L	MAC mg/L	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (mg/L) - TW	2020/01/06	<MDL 0.0005	6.0	No	No
Arsenic: As (mg/L) - TW	2020/01/06	<MDL 0.001	10.0	No	No
Barium: Ba (mg/L) - TW	2020/01/06	<MDL 0.01	1000.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result mg/L	MAC mg/L	No. of Exceedances	
				MAC	1/2 MAC
Boron: B (mg/L) - TW	2020/01/06	<MDL 0.01	5000.0	No	No
Cadmium: Cd (mg/L) - TW	2020/01/06	<MDL 0.0001	5.0	No	No
Chromium: Cr (mg/L) - TW	2020/01/06	<MDL 0.001	50.0	No	No
Mercury: Hg (mg/L) - TW	2020/01/06	<MDL 0.0001	1.0	No	No
Selenium: Se (mg/L) - TW	2020/01/06	<MDL 0.001	50.0	No	No
Uranium: U (mg/L) - TW	2020/01/06	<MDL 0.001	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2020/12/29	0.61	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/04/06	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/07/15	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/10/13	<MDL 0.1	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	0.20	10.0	No	No
Nitrate (mg/L) - TW	2020/04/06	0.21	10.0	No	No
Nitrate (mg/L) - TW	2020/07/15	0.16	10.0	No	No
Nitrate (mg/L) - TW	2020/10/13	0.20	10.0	No	No
Sodium: Na (mg/L) - TW	2019/04/29	14.0	20.0*	Yes	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 2021 – 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	25	32	500	0
pH	4	8	6.75	7.28	8.5	0
Lead (mg/L)	4	n/a*	n/a	n/a	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 (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2020/01/06	<MDL 0.5	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2020/01/06	<MDL 1.0	5.00	No	No
Azinphos-methyl (ug/L) - TW	2020/01/06	<MDL 2.0	20.00	No	No
Benzene (ug/L) - TW	2020/01/08	<MDL 0.5	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2020/01/06	<MDL 0.01	0.01	No	Yes*
Bromoxynil (ug/L) - TW	2020/01/06	<MDL 0.5	5.00	No	No
Carbaryl (ug/L) - TW	2020/01/06	<MDL 5.0	90.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Carbofuran (ug/L) - TW	2020/01/06	<MDL 5.0	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2020/01/08	<MDL 0.2	2.00	No	No
Chlorpyrifos (ug/L) - TW	2020/01/06	<MDL 1.0	90.00	No	No
Diazinon (ug/L) - TW	2020/01/06	<MDL 1.0	20.00	No	No
Dicamba (ug/L) - TW	2020/01/06	<MDL 1.0	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2020/01/08	<MDL 0.4	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2020/01/08	<MDL 0.4	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2020/01/08	<MDL 0.2	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2020/01/08	<MDL 0.5	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2020/01/08	<MDL 4.0	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2020/01/06	<MDL 0.2	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2020/01/06	<MDL 1.0	100.00	No	No
Diclofop-methyl (ug/L) - TW	2020/01/06	<MDL 0.9	9.00	No	No
Dimethoate (ug/L) - TW	2020/01/06	<MDL 2.5	20.00	No	No
Diquat (ug/L) - TW	2020/01/06	<MDL 5.0	70.00	No	No
Diuron (ug/L) - TW	2020/01/06	<MDL 10.0	150.00	No	No
Glyphosate (ug/L) - TW	2020/01/06	<MDL 10.0	280.00	No	No
Malathion (ug/L) - TW	2020/01/06	<MDL 0.5	190.00	No	No
2-Methyl-4-chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2020/01/06	<MDL 10.0	100.00	No	No
Metolachlor (ug/L) - TW	2020/01/06	<MDL 1.0	50.00	No	No
Metribuzin (ug/L) - TW	2020/01/06	<MDL 5.0	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2020/01/08	<MDL 0.5	80.00	No	No
Paraquat (ug/L) - TW	2020/01/06	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2020/01/06	<MDL 0.1	3.00	No	No
Pentachlorophenol (ug/L) - TW	2020/01/06	<MDL 1.0	60.00	No	No
Phorate (ug/L) - TW	2020/01/06	<MDL 0.5	2.00	No	No
Picloram (ug/L) - TW	2020/01/06	<MDL 5.0	190.00	No	No
Prometryne (ug/L) - TW	2020/01/06	<MDL 0.25	1.00	No	No
Simazine (ug/L) - TW	2020/01/06	<MDL 1.0	10.00	No	No
Terbufos (ug/L) - TW	2020/01/06	<MDL 0.4	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2020/01/08	<MDL 0.3	30.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2020/01/06	<MDL 1.0	100.00	No	No
Triallate (ug/L) - TW	2020/01/06	<MDL 1.0	230.00	No	No
Trichloroethylene (ug/L) - TW	2020/01/08	<MDL 0.3	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2020/01/06	<MDL 1.0	5.00	No	No
Trifluralin (ug/L) - TW	2020/01/06	<MDL 1.0	45.00	No	No
Vinyl Chloride (ug/L) - TW	2020/01/08	<MDL 0.2	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Average - DW	2020	48.675	100.00	No	No
HAA: Total (ug/L) Annual Average - DW	2020	63.875	80.0	No	Yes

MAC = Maximum Allowable Concentration, as per O. Reg. 169/03

*BDL = Below the laboratory detection level

Additional Legislated Samples

Legislation	Sample	Parameter	Date	Result	MAC
MDWL	Backwash Effluent	Suspended Solids	January	5.0 mg/L	
			April	< 2.0 mg/L	
			July	2.0 mg/L	
			October	5.0 mg/L	
			Annual Average	3.5 mg/L	25 mg/L

Major Maintenance Summary (Capital)

WO #	Description
1586627	Replacement of chain hoist for high lift pump room.
1833662	Inspection of Soft start drive for high lift #1.
1836149	Replacement with a new chlorine analyzer.
1918962	Purchase of miscellaneous capital items and service work including: pipe inserts, battery, charger and other supplies for base tower generator, pump rebuild, seal bearing assembly, circulation pump, spare bearings for boiler recirculation pump, pocket colorimeter and bulk dispenser, curb stop change by Crawl, hydrant antifreeze, service call by Capital Controls, and other miscellaneous supplies and hardware.
1962343	Purchase of chlorine analyzer parts and maintenance kits, supplied by HACH.
200816	Purchase of miscellaneous capital items including: curb stop change, machining work on HLP check valve, electrical hardware, insulation for isolation valves by loading dock, spark plug for hydrant water pump, driveway markers to mark main water valves on the hill at the water plant, BS#2 generator exhaust repairs, tube cutter for pipes, air compressor hose replacement, motor repairs, thermostat, bearings for BS#2 pump, and other miscellaneous hardware.
1708844	Miscellaneous capital items including: parts for Township Tower generator, Petawawa Electric services calls for High Lift Pump #1 & #2 & the MCC panels, replacement seal kit, service calls from Air Zone HVAC, battery for lawn tractor, painting supplies, O2 sensor, pressure relief valve, and other miscellaneous hardware.
1793257	Establishing job specifications and Scope of Work necessary for the replacement of MCC2 at the water treatment plant.
1793265	Costs for connection of new motor for High lift pump #1. Installation includes necessary hardware and also the replacement and supply of contactor, and auxiliary contactor for Soft start.
1793269	Costs associated with the rewinding of 200 HP pump motor completed by John Wilson Electric.
1794093	Miscellaneous Capital items including: Caduceon samples, lab items, belts, repairs to facia, BPS#2 sample tap repairs, bottle top dispenser, material lift rental, front entrance door repair, nozzles and o-ring set, motor, pH tester, dechlorination tablets, and other miscellaneous hardware.
1833467	Purchase of new electric high lift pump check valve for stock.
1622425	Replacement and calibrate pH probe on final effluent.
1584699	Replacement of defective chlorine sensors.
1585333	Purchase/Service of miscellaneous capital items including: pump coupling, parts to replace the pre-soda ash feed line, painting supplies, repair kits, bushings, service call from Capital Controls,

	backflow preventer, and other miscellaneous hardware.
1585371	Replacement of the emergency high lift pump, stop solenoid.

Distribution Maintenance

Date	Location Reference	Details
Apr 2020	Park Drive	One (1) Service line repair
Apr 2020 Oct 2020	Various Locations	Hydrant Sampling (Lead – pH and alkalinity testing)
Jun 2020	Canadian Forces Drive	One (1) Tie-In to water distribution main
Aug 2020	Petawawa Blvd	Two (2) Hydrant Repairs
Sep 2020	Hilda Crescent	One (1) Service line repair
Oct 2020	Audrey Street & Petawawa Blvd	Two (2) Water service leaks
Oct 2020	Tower Road	Two (2) new hydrants installed
Oct 2020	Various Locations	Thirty-six (36) Dead end hydrants - flushed
Nov 2020	Victoria Street	One (1) Water main break
Nov 2020	Various Locations	Winterized hydrants
Dec 2020	Mary Street	One (1) Water service leak
2020	Various Locations	Twelve (12) Live Taps
Seasonal Flushing	Town of Petawawa	System Flushing – 600 Hydrants (Spring – only small amount done due to COVID-19)
2020	Various locations	Fifty-seven (57) Water Inspections

Appendix A

WTRS Data and Submission Confirmation

PETAWAWA DRINKING WATER SYSTEM / Raw Water

Yearly Summary (Flow DAILY) 2020

Report extracted 02/09/2021 09:45

Annual Values and Summary **Units:** **cubic meter per day**

Station: **Daily Max:** **14088.0 on July 07**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5281.00	5912.00	6592.00	6416.00	5722.00	6316.00	11268.00	9295.00	7386.00	6433.00	6136.00	5831.00
2	5347.00	6120.00	7109.00	6427.00	6320.00	7380.00	11700.00	9143.00	7915.00	6700.00	6632.00	5968.00
3	5681.00	6552.00	6331.00	6484.00	6630.00	6808.00	11047.00	6335.00	7147.00	6313.00	5761.00	5895.00
4	5674.00	6299.00	6431.00	6291.00	6609.00	6743.00	9810.00	7006.00	7804.00	6187.00	6274.00	6222.00
5	5963.00	6196.00	6505.00	6361.00	6515.00	9340.00	8507.00	6778.00	6788.00	6611.00	5787.00	7295.00
6	6408.00	6173.00	5879.00	6356.00	6931.00	8632.00	9748.00	7684.00	6868.00	7239.00	6101.00	8288.00
7	6045.00	6284.00	5597.00	6866.00	7823.00	8379.00	14088.00	10071.00	6878.00	6457.00	5713.00	6024.00
8	6003.00	6065.00	6173.00	6807.00	8820.00	10319.00	12561.00	9480.00	7037.00	6844.00	5697.00	6569.00
9	6297.00	6127.00	5838.00	6369.00	6171.00	10418.00	12513.00	8228.00	7342.00	6726.00	6102.00	6505.00
10	6173.00	6508.00	6699.00	6220.00	6454.00	10098.00	12607.00	7093.00	7089.00	6219.00	6108.00	5616.00
11	5812.00	6460.00	6047.00	5696.00	6720.00	7551.00	11362.00	9511.00	7195.00	6033.00	5512.00	5238.00
12	5687.00	6416.00	5237.00	6350.00	7584.00	7277.00	8532.00	7962.00	6867.00	6116.00	5865.00	5063.00
13	6350.00	6101.00	6069.00	6337.00	6631.00	6666.00	9460.00	9416.00	6588.00	6698.00	5917.00	5210.00
14	5912.00	6219.00	5503.00	6317.00	8234.00	7890.00	10188.00	9169.00	7281.00	6594.00	5705.00	5713.00
15	6119.00	6070.00	5515.00	6157.00	7656.00	9710.00	11535.00	9170.00	7111.00	6714.00	5793.00	5625.00
16	5838.00	6073.00	5554.00	6616.00	6594.00	10504.00	10644.00	8672.00	7155.00	6450.00	6364.00	5751.00
17	6053.00	5739.00	5390.00	6408.00	9722.00	11574.00	8798.00	7392.00	7349.00	6006.00	5879.00	5531.00
18	5843.00	6566.00	5255.00	6358.00	9797.00	12668.00	8815.00	7333.00	6822.00	6308.00	5927.00	5533.00
19	5895.00	6013.00	6291.00	6496.00	10246.00	12422.00	9570.00	7948.00	6743.00	6743.00	5816.00	5394.00
20	6191.00	6700.00	5920.00	6473.00	10467.00	9404.00	7103.00	7654.00	6828.00	6609.00	6572.00	5023.00
21	6052.00	6489.00	6002.00	6170.00	10697.00	12512.00	9766.00	7458.00	7533.00	5718.00	6758.00	5353.00
22	6198.00	6360.00	5815.00	6105.00	11113.00	12555.00	9835.00	7496.00	7384.00	6626.00	8090.00	5488.00
23	6124.00	6133.00	5977.00	5946.00	11574.00	9903.00	8712.00	7850.00	7717.00	6267.00	5955.00	5554.00
24	5936.00	7232.00	5832.00	6208.00	11073.00	9160.00	8152.00	7284.00	7694.00	6067.00	6071.00	5196.00
25	5814.00	6715.00	5770.00	5865.00	10451.00	9552.00	9621.00	8151.00	6831.00	5620.00	5777.00	5491.00
26	5727.00	6179.00	6688.00	6474.00	10231.00	9858.00	8744.00	8281.00	6012.00	6555.00	5607.00	4858.00
27	6480.00	6338.00	7120.00	6750.00	10008.00	10710.00	10379.00	7701.00	6623.00	6698.00	5725.00	5263.00
28	6168.00	6059.00	6884.00	8329.00	10423.00	7114.00	9718.00	7439.00	7773.00	5893.00	5818.00	5191.00
29	5943.00	5211.00	6262.00	6944.00	9477.00	9873.00	10258.00	7587.00	7511.00	6342.00	5619.00	5131.00
30	5969.00		6570.00	6940.00	6039.00	10385.00	8523.00	6361.00	6966.00	6066.00	6400.00	5790.00
31	6046.00		6797.00		6474.00		8829.00	7306.00		6186.00		5650.00
Min	5281.00	5211.00	5237.00	5696.00	5722.00	6316.00	7103.00	6335.00	6012.00	5620.00	5512.00	4858.00
Mean	5968.68	6252.03	6117.81	6451.20	8361.48	9390.70	10077.19	8008.19	7141.23	6388.32	6049.37	5718.03
Max	6480.00	7232.00	7120.00	8329.00	11574.00	12668.00	14088.00	10071.00	7915.00	7239.00	8090.00	8288.00

Legend: **'---' Missing Data**
'+' No Day

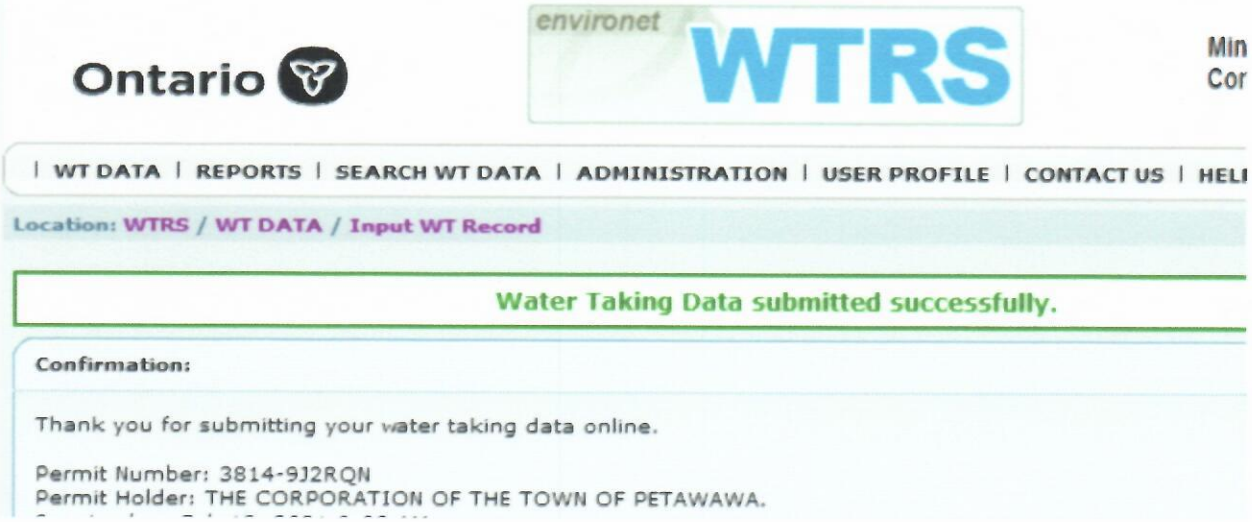
Created on **02/09/21 09:45** **by roycebr**

Brenda Royce

From: WTRS Helpdesk <WTRSHELPDESK@ontario.ca>
Sent: February-12-21 9:11 AM
To: Brenda Royce
Subject: RE: Confirmation of WTRS Reporting - Petawawa DWS

Hello Brenda

Below is your 2020 water taking submission for PTTW 3814-9J2RQN.



Regards,
Helen D'Apice

From: Brenda Royce <BRoyce@ocwa.com>
Sent: February 12, 2021 8:51 AM
To: WTRS Helpdesk <WTRSHELPDESK@ontario.ca>
Subject: Confirmation of WTRS Reporting - Petawawa DWS

Good Morning,

The other day I uploaded the 2020 WTRS data for permit #3814-9J2RQN for the Town of Petawawa. I was able to print that the file had been uploaded successfully, but was not able to print any confirmation form for my records. Could you please provide a copy for me. Thanks and have a super day.