

Mississippi Mills Drinking Water System

Waterworks # 220001290
System Category – Large Municipal Residential

Annual Water Report

Prepared For: Municipality of Mississippi Mills

Reporting Period of January 1st – December 31st 2024

Issued: February 28th, 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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Report Availability

This system does not serve more than 10,000 residences and the annual reports will be available to users at the Municipality of Mississippi Mills Office. Notification will be at the Municipal Office and copies provided free of charge if requested. The Municipality of Mississippi Mills municipal office is located at 3131 Old Perth Rd., Almonte, Ontario, K0A 1A0. View the website at www.mississippimills.ca

There are no additional drinking water systems that receive drinking water from this system.

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	Last Inspection: October 23, 2024 - 100%
Ministry of Labour Inspections	No Inspections for the reporting period
QEMS External Audit	One (1) External Surveillance Audit
AWQI	There was one (1) AWQI for the reporting period
Non-Compliance	There was one (1) Non-Compliance for the reporting period.
Spills	There were no Spills for the reporting period.

System Process Description

The Mississippi Mills Drinking Water System consists of 5 drilled wells located throughout the Ward of Almonte. The system supplies water to only the Ward of Almonte and is owned by The Corporation of the Municipality of Mississippi Mills. The Ontario Clean Water Agency is the Operating Authority.

Well 3 is located in the eastern portion of the Town, approximately 60 m north of Ottawa Street and Harold Street. Well 3 is contained in its own brick construction pump house and is equipped with a submersible pump rated at a capacity of 9.6 L/s at 70.7m TDH. Disinfection is achieved through injection of 12% Sodium Hypochlorite into the feeder main prior to the treated water being discharged into a chlorine contact chamber.

Well 5 is located along Almonte Street (County Road 16) near the south west end of Town. Well 5 is contained in its own brick construction pump house and is equipped with a submersible pump rated at a capacity of 9.5 L/s at 99.5m TDH. A VFD was also installed to assist in flow control, reduce water

pressure and electrical demand. Disinfection is achieved through injection of 12% Sodium Hypochlorite into the feeder main prior to the treated water being discharged into a chlorine contact chamber.

Well 6 is located in Gemmill's Park in the south end of Town, immediately east of Highway 29. Well 6 is contained in its own brick construction pump house and is equipped with a vertical turbine pump rated at a capacity of 22.7 L/s at 101.2m TDH. A VFD assists with flow control, water pressure and electrical demand. Disinfection is achieved through injection of 12% Sodium Hypochlorite into the feeder main prior to the treated water being discharged into a chlorine contact chamber.

Wells 7 and 8 are located within a single pump house near the northeast edge of Town, along the north side of Paterson Street. Well 7 and 8 are enclosed within a single brick and aluminum clad vented watertight pump house. Well 7 is equipped with a vertical turbine pump rated at a capacity of 44.8 L/s at 69.0m TDH, and Well 8 is equipped with a submersible pump rated at a capacity of 45.4 L/s at 67m TDH. Both pumps have a VFD installed to assist in flow control, water pressure and electrical demand. Disinfection is achieved through injection of 12% Sodium Hypochlorite into the feeder main of each well, prior to the treated water being discharged into a single 1200mm diameter chlorine contact pipe. Well 7 and 8 along with the other wells supply the 2840m³ elevated storage tank and 2500m³ ground level reservoir for equalization pressure, emergency storage and fire storage.

A ground level reservoir and pumping station was commissioned in 2023 for additional storage volume of 2500m³. The pump house is located behind the Fire Hall on Almonte Street. It is equipped with three (3) centrifugal pumps, a static mixer, and a sodium hypochlorite injection system.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
12% NSF Sodium Hypochlorite	Disinfection	Brenntag

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Details	Legislation	Corrective Action Taken
July 18, 2024	165660	Total Coliform Distribution sample	O. Reg. 170/03	Resamples were 0 Total Coliform, 0 E-Coli

Non-Compliance

Legislation	Requirement(s) system failed to meet	Duration of the failure	Corrective Action	Status
PTTW, Condition 3.2	Flow Rate Limit Exceedance - Well 8	13 Minutes February 23, 2024	Closed gate valve manually to reduce flow while VFD was being repaired	Closed

Non-Compliance Identified in a Ministry Inspection

There were no Non-Compliances identified in a Ministry Inspection

Flows

The Mississippi Mills Drinking Water System is operating on average under half the rated capacity for water produced.

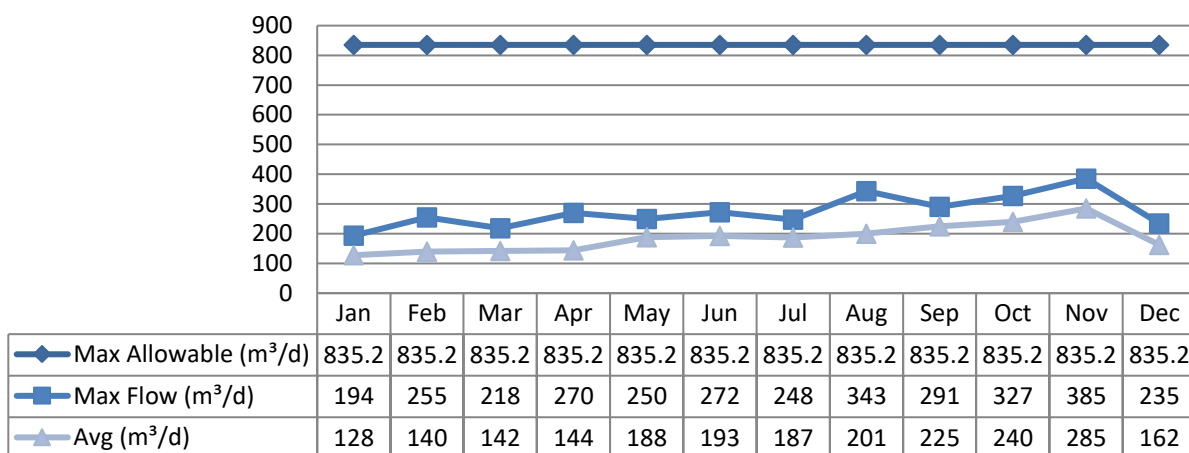
Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2024 Raw Flow Data was submitted to the Ministry electronically under permit #8175-AQPHA8. The confirmation is attached in Appendix A.

Well 3

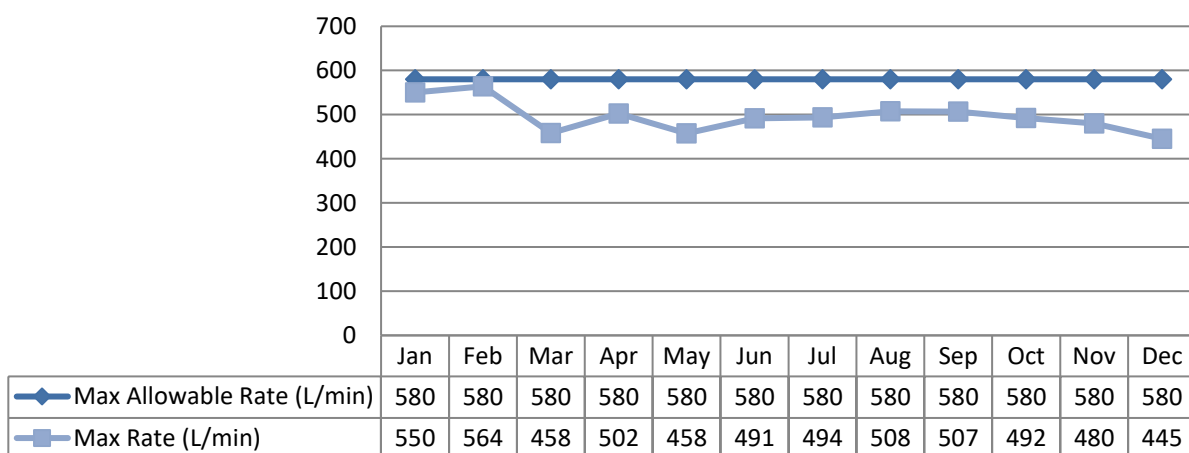
Total Monthly Flows (m³/d)

Max Allowable PTTW



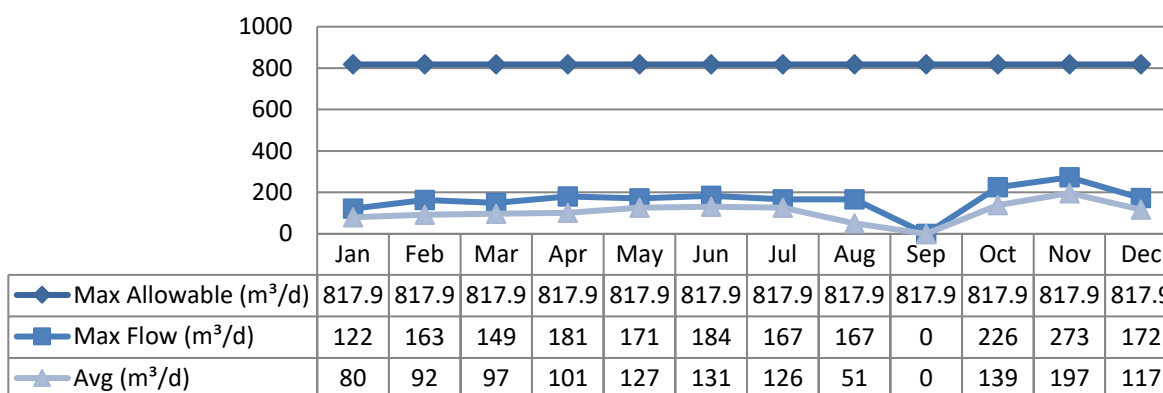
Monthly Rated Flows (L/min)

Max allowable rate - PTTW

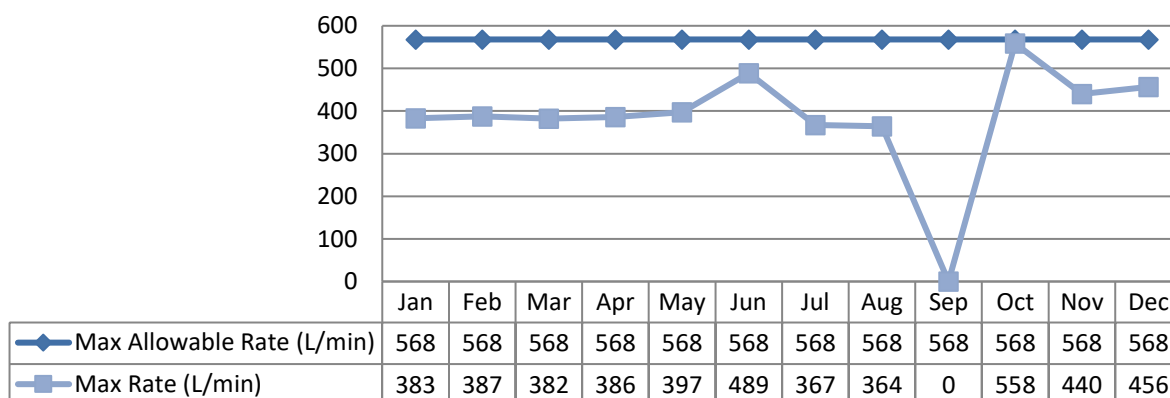


Well 5**Total Monthly Flows (m³/d)**

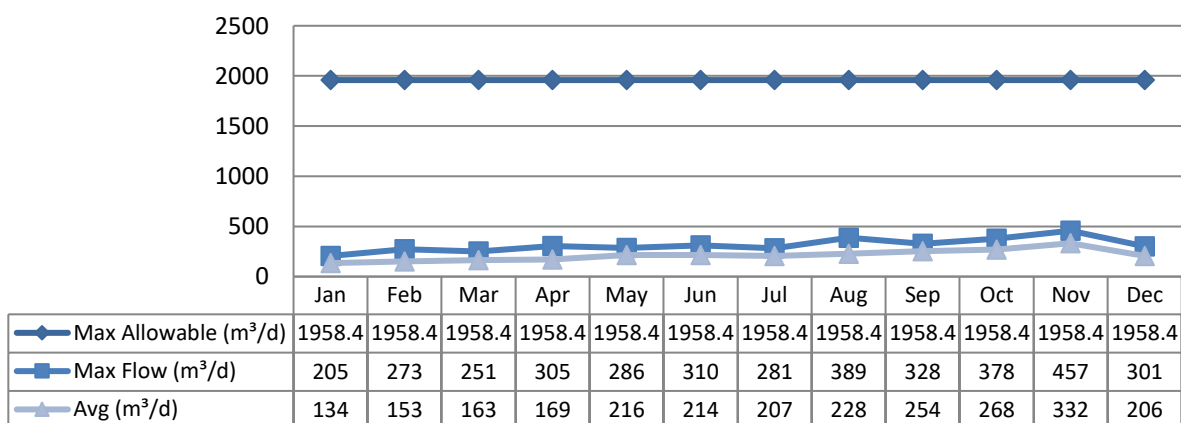
Max Allowable PTTW

**Monthly Rated Flows (L/min)**

Max allowable rate – PTTW

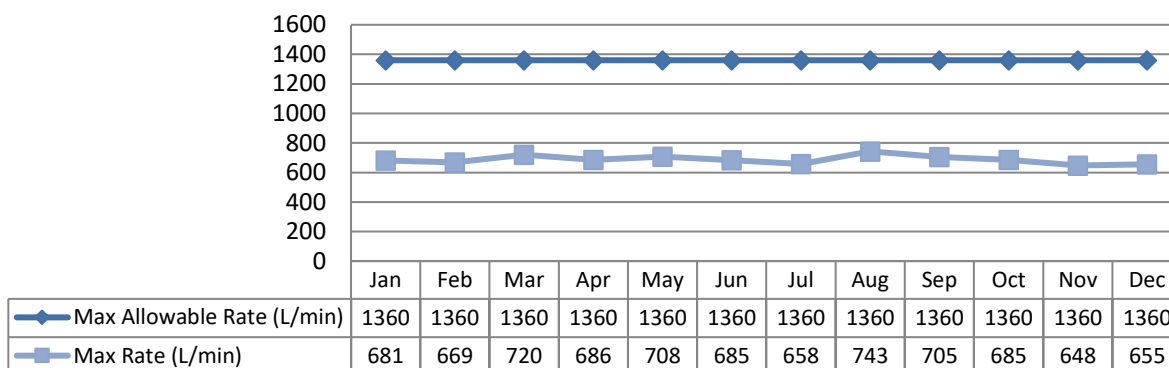
Well 5 was offline for maintenance from August 13th to October 3rd.**Well 6****Total Monthly Flows (m³/d)**

Max Allowable PTTW

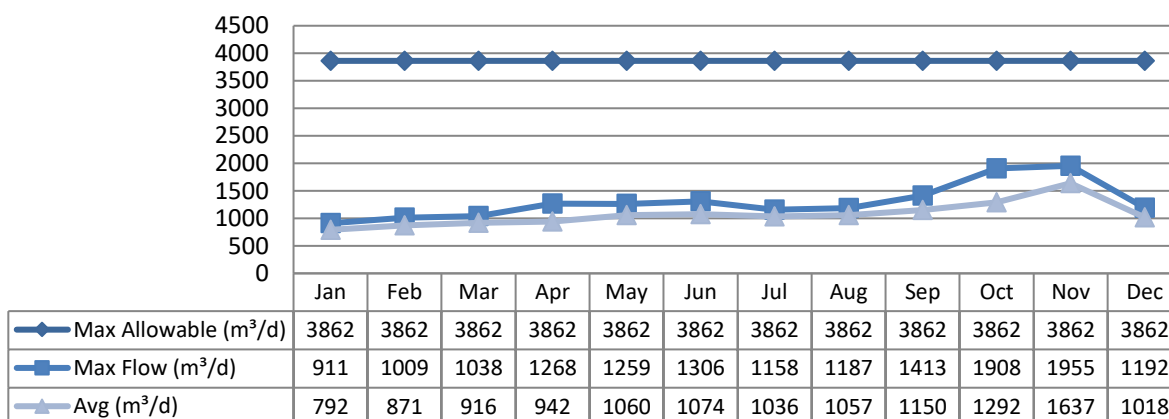


Monthly Rated Flows (L/min)

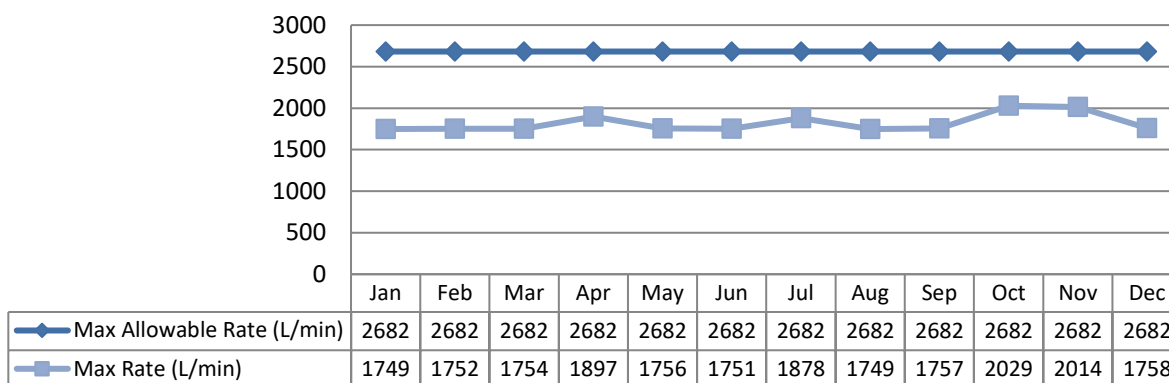
Max allowable rate – PTTW

Well 7Total Monthly Flows (m³/d)

Max Allowable PTTW

Monthly Rated Flows (L/min)

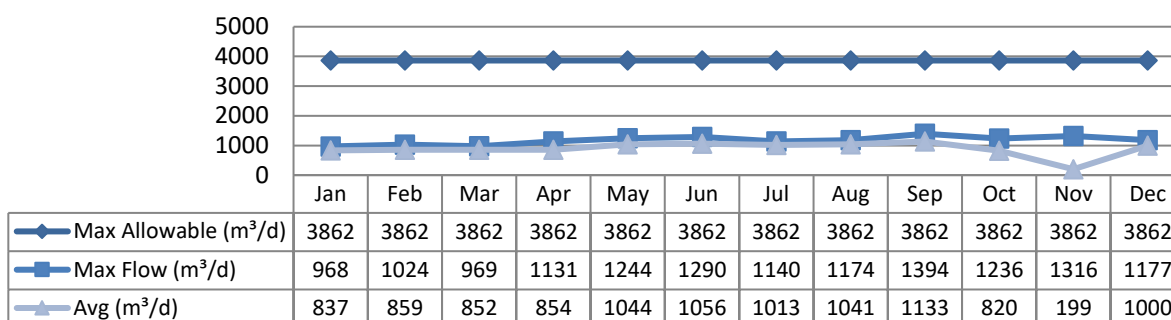
Max allowable rate - PTTW



Well 8

Total Monthly Flows (m³/d)

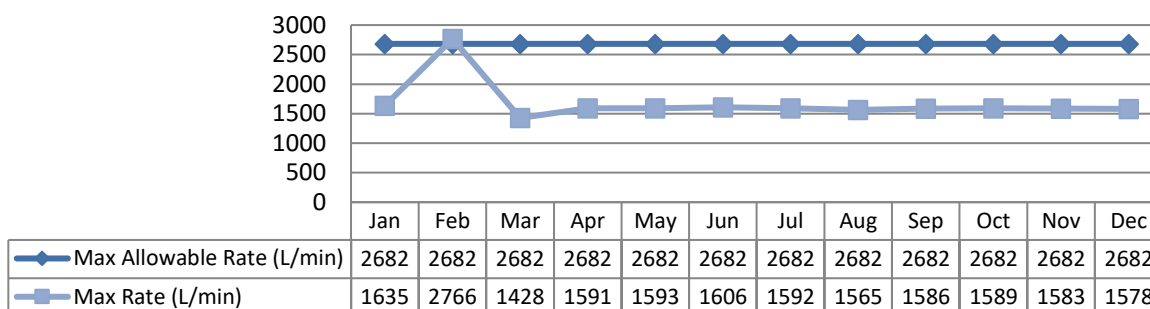
Max Allowable PTTW



Monthly Rated Flows (L/min)

Max allowable rate – PTTW

Well 8 flow rate exceedance occurred on February 27th during a maintenance activity.

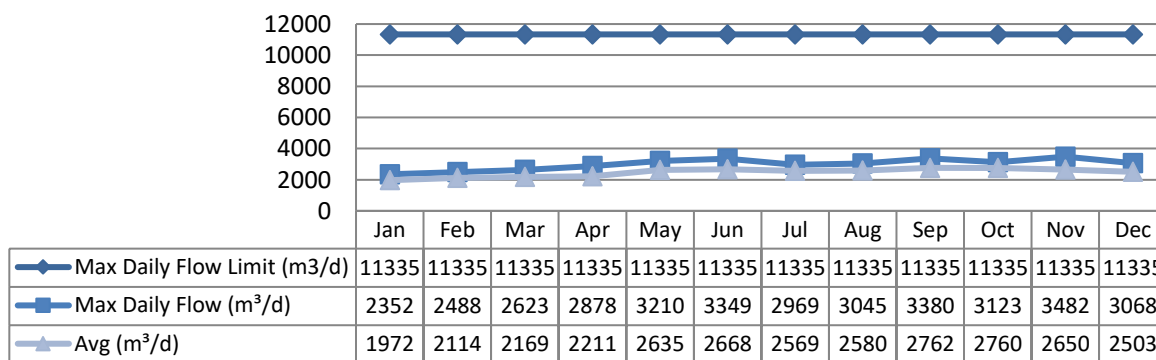


Treated Water Flows

Treated Water Flows are regulated under the Municipal Drinking Water Licence. As per Schedule C, Table 1, the combined rated flows allow a total of 11,335m³/day. Well 7 and 8 (combined) rated flow is a per well capacity.

Monthly Flows

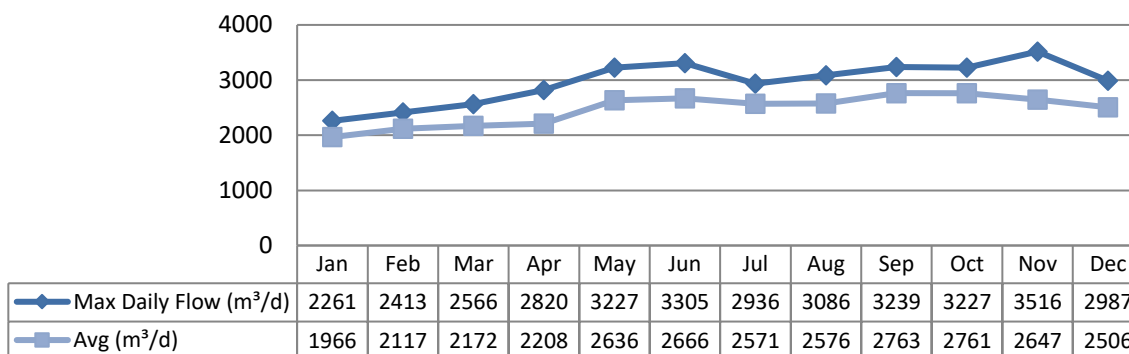
Monthly Flow - All Sources



System Demand Flows

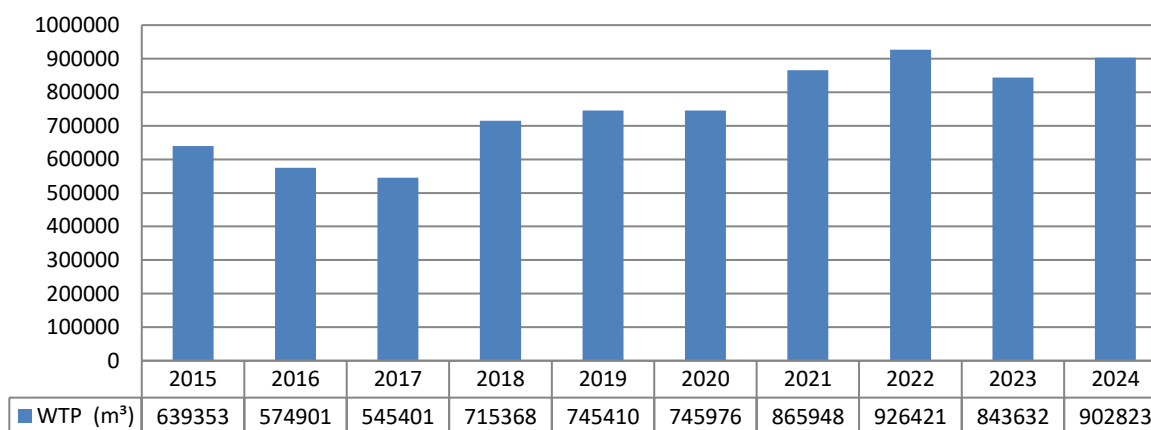
Monthly Flows

System Demand



Annual Total Flow Produced Comparison

Total Annual m³



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected *	Range of E.Coli Results		Range of Total Coliform Results		No. of HPC Samples Collected	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
MMills DWS RW Well 3	53	0	2	0	4			
MMills DWS RW Well 5	48	0	0	0	0			
MMills DWS RW Well 6	53	0	0	0	11			
MMills DWS RW Well 7	53	0	0	0	2			
MMills DWS RW Well 8	52	0	2	0	2			

	No. of Samples Collected *	Range of E.Coli Results		Range of Total Coliform Results		No. of HPC Samples Collected	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
MMills DWS TW Well 3	53	0	0	0	0	53	2	2
MMills DWS TW Well 5	46	0	0	0	0	46	2	6
MMills DWS TW Well 6	53	0	0	0	0	53	2	2
MMills DWS TW Well 7	4	0	0	0	0	4	2	2
MMills DWS TW Well 8	1	0	0	0	0	1	2	2
MMills DWS TW Wells 7&8 combined	50	0	0	0	0	50	2	16
Distribution	217	0	0	0	1	217	2	22

* Number of Samples collected varies due to the individual well being Out of Service for Maintenance.

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Free Chlorine Residual, On-Line (mg/L) - TW3	8760	0.47	2.00
Free Chlorine Residual, On-Line (mg/L) - TW5	8760	0.50	2.17
Free Chlorine Residual, On-Line (mg/L) - TW6	8760	0.52	2.00
Free Chlorine Residual, On-Line (mg/L) - TW7/8	8760	0.48	2.01
Free Chlorine Residual, On-Line (mg/L) - DW	8760	0.59	1.74
Free Chlorine Residual, TW Field (mg/L) Lab Upload - TW3	64	0.88	1.55
Free Chlorine Residual, TW Field (mg/L) Lab Upload - TW5	56	0.73	1.66
Free Chlorine Residual, TW Field (mg/L) Lab Upload - TW6	63	0.88	1.67
Free Chlorine Residual, TW Field (mg/L) Lab Upload - TW7/8	64	1.13	1.58
Free Chlorine Residual, DW Field (mg/L) Lab Upload - DW	230	0.66	1.50

NOTE: spikes recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O.Reg 170/03

Inorganic Parameters

These parameters are tested as a requirement under O.Reg 170/03. Sodium and Fluoride samples are required to be collected and tested every 5 years. Nitrate and Nitrite are tested quarterly and metals are tested annually, although only required every 36 months under O.Reg 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
- <MDL = Below the laboratory minimum detection level

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW3	2024/11/26	< MDL 0.1	6	No	No
Antimony: Sb (ug/L) - TW5	2024/11/26	< MDL 0.1	6	No	No
Antimony: Sb (ug/L) - TW6	2024/11/26	< MDL 0.1	6	No	No
Antimony: Sb (ug/L) - TW78	2024/11/26	< MDL 0.1	6	No	No
Arsenic: As (ug/L) - TW3	2024/11/26	< MDL 0.1	10	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Arsenic: As (ug/L) - TW5	2024/11/26	< MDL 0.1	10	No	No
Arsenic: As (ug/L) - TW6	2024/11/26	0.1	10	No	No
Arsenic: As (ug/L) - TW78	2024/11/26	< MDL 0.1	10	No	No
Barium: Ba (ug/L) - TW3	2024/11/26	112	1000	No	No
Barium: Ba (ug/L) - TW5	2024/11/26	143	1000	No	No
Barium: Ba (ug/L) - TW6	2024/11/26	84	1000	No	No
Barium: Ba (ug/L) - TW78	2024/11/26	146	1000	No	No
Boron: B (ug/L) - TW3	2024/11/26	238	5000	No	No
Boron: B (ug/L) - TW5	2024/11/26	50	5000	No	No
Boron: B (ug/L) - TW6	2024/11/26	272	5000	No	No
Boron: B (ug/L) - TW78	2024/11/26	162	5000	No	No
Cadmium: Cd (ug/L) - TW3	2024/11/26	< MDL 0.015	5	No	No
Cadmium: Cd (ug/L) - TW5	2024/11/26	< MDL 0.015	5	No	No
Cadmium: Cd (ug/L) - TW6	2024/11/26	< MDL 0.015	5	No	No
Cadmium: Cd (ug/L) - TW78	2024/11/26	< MDL 0.015	5	No	No
Chromium: Cr (ug/L) - TW3	2024/11/26	< MDL 1	50	No	No
Chromium: Cr (ug/L) - TW5	2024/11/26	< MDL 1	50	No	No
Chromium: Cr (ug/L) - TW6	2024/11/26	< MDL 1	50	No	No
Chromium: Cr (ug/L) - TW78	2024/11/26	< MDL 1	50	No	No
Mercury: Hg (ug/L) - TW3	2024/11/26	< MDL 0.02	1	No	No
Mercury: Hg (ug/L) - TW5	2024/11/26	< MDL 0.02	1	No	No
Mercury: Hg (ug/L) - TW6	2024/11/26	0.02	1	No	No
Mercury: Hg (ug/L) - TW78	2024/11/26	0.03	1	No	No
Selenium: Se (ug/L) - TW3	2024/11/26	< MDL 1	50	No	No
Selenium: Se (ug/L) - TW5	2024/11/26	< MDL 1	50	No	No
Selenium: Se (ug/L) - TW6	2024/11/26	< MDL 1	50	No	No
Selenium: Se (ug/L) - TW78	2024/11/26	< MDL 1	50	No	No
Uranium: U (ug/L) - TW3	2024/11/26	0.56	20	No	No
Uranium: U (ug/L) - TW5	2024/11/26	0.88	20	No	No
Uranium: U (ug/L) - TW6	2024/11/26	0.89	20	No	No
Uranium: U (ug/L) - TW78	2024/11/26	1.33	20	No	No
Additional Inorganics					
Fluoride (mg/L) - TW3	2024/02/12	0.2	1.5	No	No
Fluoride (mg/L) - TW5	2024/02/12	< MDL 0.1	1.5	No	No
Fluoride (mg/L) - TW6	2024/02/12	0.3	1.5	No	No
Fluoride (mg/L) - TW78	2024/02/12	0.3	1.5	No	No
Nitrate : (mg/L) - TW3	2024/02/12	0.16	10	No	No
Nitrate : (mg/L) - TW3	2024/05/28	0.15	10	No	No
Nitrate : (mg/L) - TW3	2024/08/13	0.05	10	No	No
Nitrate : (mg/L) - TW3	2024/11/12	0.32	10	No	No
Nitrate : (mg/L) - TW5	2024/02/12	0.32	10	No	No
Nitrate : (mg/L) - TW5	2024/05/28	0.36	10	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Nitrate : (mg/L) - TW5	2024/08/13	0.38	10	No	No
Nitrate : (mg/L) - TW5	2024/11/12	0.31	10	No	No
Nitrate : (mg/L) - TW6	2024/02/12	0.46	10	No	No
Nitrate : (mg/L) - TW6	2024/05/28	0.53	10	No	No
Nitrate : (mg/L) - TW6	2024/08/13	0.63	10	No	No
Nitrate : (mg/L) - TW6	2024/11/12	0.67	10	No	No
Nitrate : (mg/L) - TW78	2024/02/12	0.95	10	No	No
Nitrate : (mg/L) - TW78	2024/05/28	1.03	10	No	No
Nitrate : (mg/L) - TW78	2024/08/13	1.28	10	No	No
Nitrate : (mg/L) - TW78	2024/11/27	1.08	10	No	No
Nitrite : (mg/L) - TW3	2024/02/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW3	2024/05/28	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW3	2024/08/13	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW3	2024/11/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW5	2024/02/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW5	2024/05/28	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW5	2024/08/13	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW5	2024/11/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW6	2024/02/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW6	2024/05/28	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW6	2024/08/13	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW6	2024/11/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW78	2024/02/12	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW78	2024/05/28	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW78	2024/08/13	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW78	2024/11/27	< MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW3	2024/07/09	28.4	20*	Yes	Yes
Sodium / Na (mg/L) - TW5	2024/07/09	58.2	20*	Yes	Yes
Sodium / Na (mg/L) - TW6	2024/07/09	35.7	20*	Yes	Yes
Sodium / Na (mg/L) - TW78	2024/07/09	45.7	20*	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 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. Sodium was reported as an AWQI in 2023, and is only required to be reported once every 5 years.

Schedule 15 Sampling:

The Schedule 15 Sampling is required under O.Reg 170/03. This system is under the plumbing exemption. No plumbing samples were collected.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (mg/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	6	6	284	294	N/A	N/A
pH	6	6	6.69	7.74	N/A	N/A

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (mg/L)	Number of Exceedances
			Minimum	Maximum		
Lead (mg/L)	6	6	0.00075	0.00130	0.01	0

Organic Parameters

These parameters are tested annually, although only required every 36 months under O.Reg 170/03. 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					
1,1-Dichloroethylene (ug/L)-TW78	2024/11/26	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW78	2024/11/26	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW78	2024/11/26	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW78	2024/11/26	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW78	2024/11/26	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW78	2024/11/26	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW78	2024/11/26	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW78	2024/11/26	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (ug/L)-TW78	2024/11/26	< MDL 10	100	No	No
Alachlor (ug/L) -TW78	2024/11/26	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW78	2024/11/26	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW78	2024/11/26	< MDL 1	20	No	No
Benzene (ug/L)-TW78	2024/11/26	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW78	2024/11/26	< MDL 0.006	0.01	No	No
Bromoxynil (ug/L)-TW78	2024/11/26	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW78	2024/11/26	< MDL 3	90	No	No
Carbofuran (ug/L) -TW78	2024/11/26	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW78	2024/11/26	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW78	2024/11/26	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW78	2024/11/26	< MDL 1	20	No	No
Dicamba (ug/L)-TW78	2024/11/26	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW78	2024/11/26	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW78	2024/11/26	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW78	2024/11/26	< MDL 1	20	No	No
Diquat (ug/L)-TW78	2024/11/26	< MDL 5	70	No	No
Diuron (ug/L)-TW78	2024/11/26	< MDL 5	150	No	No
Glyphosate (ug/L)-TW78	2024/11/26	< MDL 25	280	No	No
Malathion (ug/L)-TW78	2024/11/26	< MDL 5	190	No	No
Metolachlor (ug/L)-TW78	2024/11/26	< MDL 3	50	No	No
Metribuzin (ug/L)-TW78	2024/11/26	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW78	2024/11/26	< MDL 0.5	80	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Paraquat (ug/L)-TW78	2024/11/26	< MDL 1	10	No	No
PCB (ug/L)-TW78	2024/11/26	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW78	2024/11/26	< MDL 0.2	60	No	No
Phorate (ug/L)-TW78	2024/11/26	< MDL 0.3	2	No	No
Picloram (ug/L)-TW78	2024/11/26	< MDL 5	190	No	No
Prometryne (ug/L)-TW78	2024/11/26	< MDL 0.1	1	No	No
Simazine (ug/L)-TW78	2024/11/26	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW78	2024/11/26	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW78	2024/11/26	< MDL 0.5	10	No	No
Triallate (ug/L) -TW78	2024/11/26	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW78	2024/11/26	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW78	2024/11/26	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW78	2024/11/26	< MDL 0.2	1	No	No
1,1-Dichloroethylene (ug/L)-TW6	2024/11/26	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW6	2024/11/26	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW6	2024/11/26	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW6	2024/11/26	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW6	2024/11/26	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW6	2024/11/26	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW6	2024/11/26	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW6	2024/11/26	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (ug/L)-TW6	2024/11/26	< MDL 10	100	No	No
Alachlor (ug/L) -TW6	2024/11/26	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW6	2024/11/26	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW6	2024/11/26	< MDL 1	20	No	No
Benzene (ug/L)-TW6	2024/11/26	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW6	2024/11/26	< MDL 0.006	0.01	No	No
Bromoxynil (ug/L)-TW6	2024/11/26	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW6	2024/11/26	< MDL 3	90	No	No
Carbofuran (ug/L) -TW6	2024/11/26	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW6	2024/11/26	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW6	2024/11/26	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW6	2024/11/26	< MDL 1	20	No	No
Dicamba (ug/L)-TW6	2024/11/26	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW6	2024/11/26	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW6	2024/11/26	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW6	2024/11/26	< MDL 1	20	No	No
Diquat (ug/L)-TW6	2024/11/26	< MDL 5	70	No	No
Diuron (ug/L)-TW6	2024/11/26	< MDL 5	150	No	No
Glyphosate (ug/L)-TW6	2024/11/26	< MDL 25	280	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Malathion (ug/L)-TW6	2024/11/26	< MDL 5	190	No	No
Metolachlor (ug/L)-TW6	2024/11/26	< MDL 3	50	No	No
Metribuzin (ug/L)-TW6	2024/11/26	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW6	2024/11/26	< MDL 0.5	80	No	No
Paraquat (ug/L)-TW6	2024/11/26	< MDL 1	10	No	No
PCB (ug/L)-TW6	2024/11/26	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW6	2024/11/26	< MDL 0.2	60	No	No
Phorate (ug/L)-TW6	2024/11/26	< MDL 0.3	2	No	No
Picloram (ug/L)-TW6	2024/11/26	< MDL 5	190	No	No
Prometryne (ug/L)-TW6	2024/11/26	< MDL 0.1	1	No	No
Simazine (ug/L)-TW6	2024/11/26	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW6	2024/11/26	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW6	2024/11/26	< MDL 0.5	10	No	No
Triallate (ug/L) -TW6	2024/11/26	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW6	2024/11/26	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW6	2024/11/26	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW6	2024/11/26	< MDL 0.2	1	No	No
1,1-Dichloroethylene (ug/L)-TW5	2024/11/26	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW5	2024/11/26	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW5	2024/11/26	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW5	2024/11/26	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW5	2024/11/26	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW5	2024/11/26	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW5	2024/11/26	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW5	2024/11/26	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (ug/L)-TW5	2024/11/26	< MDL 10	100	No	No
Alachlor (ug/L) -TW5	2024/11/26	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW5	2024/11/26	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW5	2024/11/26	< MDL 1	20	No	No
Benzene (ug/L)-TW5	2024/11/26	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW5	2024/11/26	< MDL 0.006	0.01	No	No
Bromoxynil (ug/L)-TW5	2024/11/26	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW5	2024/11/26	< MDL 3	90	No	No
Carbofuran (ug/L) -TW5	2024/11/26	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW5	2024/11/26	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW5	2024/11/26	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW5	2024/11/26	< MDL 1	20	No	No
Dicamba (ug/L)-TW5	2024/11/26	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW5	2024/11/26	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW5	2024/11/26	< MDL 0.9	9	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Dimethoate (ug/L)-TW5	2024/11/26	< MDL 1	20	No	No
Diquat (ug/L)-TW5	2024/11/26	< MDL 5	70	No	No
Diuron (ug/L)-TW5	2024/11/26	< MDL 5	150	No	No
Glyphosate (ug/L)-TW5	2024/11/26	< MDL 25	280	No	No
Malathion (ug/L)-TW5	2024/11/26	< MDL 5	190	No	No
Metolachlor (ug/L)-TW5	2024/11/26	< MDL 3	50	No	No
Metribuzin (ug/L)-TW5	2024/11/26	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW5	2024/11/26	< MDL 0.5	80	No	No
Paraquat (ug/L)-TW5	2024/11/26	< MDL 1	10	No	No
PCB (ug/L)-TW5	2024/11/26	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW5	2024/11/26	< MDL 0.2	60	No	No
Phorate (ug/L)-TW5	2024/11/26	< MDL 0.3	2	No	No
Picloram (ug/L)-TW5	2024/11/26	< MDL 5	190	No	No
Prometryne (ug/L)-TW5	2024/11/26	< MDL 0.1	1	No	No
Simazine (ug/L)-TW5	2024/11/26	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW5	2024/11/26	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW5	2024/11/26	< MDL 0.5	10	No	No
Triallate (ug/L) -TW5	2024/11/26	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW5	2024/11/26	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW5	2024/11/26	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW5	2024/11/26	< MDL 0.2	1	No	No
1,1-Dichloroethylene (ug/L)-TW3	2024/11/26	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW3	2024/11/26	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW3	2024/11/26	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW3	2024/11/26	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW3	2024/11/26	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW3	2024/11/26	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW3	2024/11/26	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW3	2024/11/26	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (ug/L)-TW3	2024/11/26	< MDL 10	100	No	No
Alachlor (ug/L) -TW3	2024/11/26	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW3	2024/11/26	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW3	2024/11/26	< MDL 1	20	No	No
Benzene (ug/L)-TW3	2024/11/26	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW3	2024/11/26	< MDL 0.006	0.01	No	No
Bromoxynil (ug/L)-TW3	2024/11/26	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW3	2024/11/26	< MDL 3	90	No	No
Carbofuran (ug/L) -TW3	2024/11/26	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW3	2024/11/26	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW3	2024/11/26	< MDL 0.5	90	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Diazinon (ug/L)-TW3	2024/11/26	< MDL 1	20	No	No
Dicamba (ug/L)-TW3	2024/11/26	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW3	2024/11/26	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW3	2024/11/26	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW3	2024/11/26	< MDL 1	20	No	No
Diquat (ug/L)-TW3	2024/11/26	< MDL 5	70	No	No
Diuron (ug/L)-TW3	2024/11/26	< MDL 5	150	No	No
Glyphosate (ug/L)-TW3	2024/11/26	< MDL 25	280	No	No
Malathion (ug/L)-TW3	2024/11/26	< MDL 5	190	No	No
Metolachlor (ug/L)-TW3	2024/11/26	< MDL 3	50	No	No
Metribuzin (ug/L)-TW3	2024/11/26	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW3	2024/11/26	< MDL 0.5	80	No	No
Paraquat (ug/L)-TW3	2024/11/26	< MDL 1	10	No	No
PCB (ug/L)-TW3	2024/11/26	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW3	2024/11/26	< MDL 0.2	60	No	No
Phorate (ug/L)-TW3	2024/11/26	< MDL 0.3	2	No	No
Picloram (ug/L)-TW3	2024/11/26	< MDL 5	190	No	No
Prometryne (ug/L)-TW3	2024/11/26	< MDL 0.1	1	No	No
Simazine (ug/L)-TW3	2024/11/26	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW3	2024/11/26	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW3	2024/11/26	< MDL 0.5	10	No	No
Triallate (ug/L) -TW3	2024/11/26	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW3	2024/11/26	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW3	2024/11/26	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW3	2024/11/26	< MDL 0.2	1	No	No
Distribution Water					
Trihalomethane: Total (ug/L) RAA	2024	12.25	100	No	No
HAA Total (ug/L) RAA	2024	4.55	80.0	No	No

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

BDL = Below the laboratory detection level

RAA = Running Annual Average

Additional Legislated Samples

The following tables are the sample results from additional legislated samples for Well 5 under Schedule C of the Munipial Drinking Water Licence:

The annual sample results from raw water at Well 5 are required as the adjoining lands were once used for storage of electrical transformers and hydro poles. The transformers and hydro poles are no longer stored at this location. It is important to note these samples are Raw Water and not Treated Water.

There is no MAC / IMAC (Maximum Acceptable Concentration / Interim Maximum Acceptable Concentration) for raw water but the treated water MAC /IMAC have been provided for reference.

Raw Water Parameter	Unit of Measure	Sample Date	Result Value	ODWS	
				MAC	IMAC
Arsenic	ug/L	July 9, 2024	<0.0001		25.0
Chromium	ug/L	July 9, 2024	<0.001	50	
PCBs (Polychlorinated Biphenyls)	ug/L	July 9, 2024	<0.05		3.0

The following quarterly treated water samples are collected due to the Well 5's proximity to the decommissioned wastewater treatment lagoons. These results help to assess the integrity of the lagoon cells.

Treated Water Parameter	Unit of Measure	Treated Water: Well 5 Annual Average 2024
Total Ammonia Nitrogen	mg/L	<0.05
TKN (Total Kjeldahl Nitrogen)	mg/L	0.15
Total Phosphorus	mg/L	0.01
o-Phosphate (O-PO4)	mg/L	0.007

The remaining semi-annual required samples are for Well 5, Well 6, and the three (3) multi-level groundwater monitoring wells located adjacent to, and down-gradient of the decommissioned sewage lagoons. Sampling is outsourced to a qualified consultant, and occurs during March to June and again during September to November. The tables below contain the analysis results for each sampling period:

March – June 2024								
Raw Water Parameter	Well 5	Well 6	Test Well 1A	Test Well 1B	Test Well 2A	Test Well 2B	Test Well 3A	Test Well 3B
Alkalinity mg/L	314	278	309	310	292	288	298	287
Ammonia mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride mg/L	103	48.4	102	104	98.8	83.2	107	107
Nitrate mg/L	0.21	0.44	0.11	0.12	1.43	0.65	1.73	1.25
Nitrite mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Orthophosphate mg/L	<0.002	0.008	0.006	0.005	0.007	0.003	0.007	<0.002
Total Phosphorous mg/L	0.02	0.03	0.03	0.03	0.05	0.03	0.01	0.01
pH @25°C	8.08	7.99	7.84	7.79	7.82	7.85	7.93	7.92
Total Kjeldal Nitrogen mg/L	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2
Total Dissolved Solids mg/L	518	445	510	515	489	453	506	497
E. Coli CFU/100mL	0	0	0	0	0	0	0	0
Total Coliforms CFU/100mL	0	0	4	0	0	0	0	0

September – November 2024								
Raw Water Parameter	Well 5	Well 6	Test Well 1A	Test Well 1B	Test Well 2A	Test Well 2B	Test Well 3A	Test Well 3B
Alkalinity mg/L	316	326	397	340	317	346	316	325
Ammonia mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride mg/L	104	58.8	78.7	113	96.4	100	103	95.6
Nitrate mg/L	0.36	0.63	<0.05	0.12	1.82	0.14	1.14	1.43
Nitrite mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Orthophosphate mg/L	<0.002	<0.002	0.009	<0.002	<0.002	<0.002	<0.002	<0.002
Total Phosphorous mg/L	<0.01	<0.01	0.06	0.04	0.06	0.01	0.01	0.01
pH @25°C	8.10	8.02	8.09	8.04	8.01	8.05	8.02	8.03
Total Kjeldal Nitrogen mg/L	0.1	0.1	0.4	0.2	0.2	0.1	0.1	0.1
Total Dissolved Solids mg/L	510	477	526	536	501	525	506	498
E. Coli CFU/100mL	0	0	0	0	0	0	0	0
Total Coliforms CFU/100mL	0	0	<2	4	0	0	0	0

Major Maintenance Summary

WO #	Description
3758926	Well 8 VFD Troubleshooting and Repair
3763091	Annual Tower Safety Inspection
3763426	Chlorine Panel Parts Critical Spares
3847782	Pipe Spool Replacement - Well 8
3850258	Well 8 VFD Replacement (New)
3902226	Annual Well Report
3952572	Annual Analyzer Servicing and Calibration
3998975	Well 6 Chlorine Injection Panel & Pump Upgrades
4049619	Well 7&8 Air Conditioner Replacement
4094011	Well 5 Flow Meter Replacement
4143316	Annual External Audit
4145060	Annual Water Tower Inspection

Distribution Highlights

Distribution Highlights are provided by Mississippi Mills.

Compliance Report Card

The MECP conducted a Focused inspection of the Drinking Water system (distribution and treatment) occurred on October 23, 2024 with a 100% inspection rating. A full recertification QMS audit was completed in 2024 which recommended continued certification of the Mississippi Mills Drinking Water Distribution System operated by the Municipality of Mississippi Mills.

Maintenance and Operations

- Several watermain breaks were repaired
- Spring and fall watermain flushing program occurred
- Valve exercising of all system valves
- Leak detection activities as required
- Routine maintenance of PRV and fire hydrants
- System repairs as required
- Radio frequency meter replacements

Commissioning of New Watermains

- Commissioning of new replacement watermains on Mercer Street and Marshall Street (Project #24-11)
- Commissioning of new replacement watermains on Union Street North (Project #24-07)

Planning Initiatives (2025)

- Initiating Environmental Assessment process in accordance with the Environmental Protection Act to increase the yield of Well 7 & 8 to their demonstrated yield.
- Design of watermain looping/extension project on County Road 29

Appendix A - WTRS Data and Submission Confirmation



Ministry of the Environment,
Conservation and Parks

| [WT DATA](#) | [USER PROFILE](#) | [CONTACT US](#) | [HELP](#) | [HOME](#) | [LOGOUT](#) |

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:

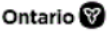
Thank you for submitting your water taking data online.

Permit Number: 8175-AQPHA8
Permit Holder: THE CORPORATION OF THE TOWN OF MISSISSIPPI MILLS.
Received on: Feb 10, 2025 2:07 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.

[Print Confirmation](#) [Return to Main Page](#)

LAUREN LACOMBE | 2025/02/10
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

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MISSISSIPPI MILLS DRINKING WATER SYSTEM / MMills DWS RW Well 3

Yearly Summary (Flow) 2024

Station:

Units: cubic meter per day

Daily Max:

385.44 on November 19

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	109.77	133.76	141.81	191.81	112.58	137.41	239.63	167.56	195.35	255.49	319.86	197.76
2	104.40	154.89	218.03	103.82	200.39	272.17	187.09	248.66	202.31	215.88	308.82	183.38
3	141.07	96.35	80.48	97.48	202.78	169.48	157.90	133.15	268.54	220.44	274.09	143.84
4	166.10	117.24	177.04	141.37	126.60	267.23	216.95	244.80	229.32	234.64	300.30	150.62
5	122.58	164.52	126.68	211.59	197.44	186.43	200.41	194.93	229.32	149.22	381.32	183.32
6	125.23	180.09	107.80	102.03	186.58	231.66	164.51	192.26	171.27	252.31	272.28	208.35
7	116.47	161.16	185.07	118.02	228.58	150.65	154.74	113.68	146.82	311.01	277.97	177.44
8	138.52	89.52	171.81	141.57	135.22	120.12	236.32	214.09	248.42	271.55	264.26	159.72
9	147.64	157.97	100.77	182.88	216.02	210.63	223.84	154.11	229.06	182.56	311.03	115.09
10	105.48	121.75	110.36	270.16	156.44	200.50	137.57	136.01	231.97	235.27	343.29	144.51
11	124.84	113.18	214.61	118.43	114.50	211.88	140.58	211.61	229.26	243.55	295.53	176.86
12	129.74	132.63	113.80	99.04	218.00	135.62	239.74	200.34	203.73	114.97	302.26	146.83
13	104.85	180.56	103.27	173.82	200.21	159.78	157.31	178.19	223.08	221.37	276.59	205.65
14	113.45	153.59	154.79	155.89	169.40	239.73	186.91	217.02	173.09	217.48	267.56	116.65
15	123.90	135.44	173.53	100.52	211.82	146.50	223.76	343.01	283.47	166.90	285.96	158.85
16	119.20	254.86	101.20	178.96	228.24	201.89	140.28	201.41	232.99	259.25	261.95	230.65
17	193.54	116.57	116.36	137.87	218.19	242.07	167.77	183.01	236.34	217.79	271.12	168.52
18	131.68	142.51	172.00	88.26	187.04	215.58	194.80	205.13	273.43	156.54	353.22	141.15
19	65.97	200.66	149.03	179.20	170.73	221.10	216.11	199.31	256.05	227.87	385.44	112.23
20	138.53	177.33	134.56	122.78	237.90	208.79	150.51	172.54	169.29	209.25	279.39	234.66
21	126.56	96.12	99.14	109.18	202.66	169.91	153.50	186.46	290.73	260.32	273.71	116.93
22	142.81	105.86	200.24	93.87	119.36	149.39	245.25	197.29	262.70	274.28	270.23	175.00
23	175.04	163.98	127.10	132.60	250.07	213.02	177.57	227.11	252.03	235.87	288.24	185.88
24	112.09	158.28	113.14	96.10	171.91	249.15	189.08	204.89	227.72	275.53	329.66	120.97
25	142.43	96.17	133.17	189.53	128.32	158.47	122.82	211.92	196.51	326.83	235.16	162.49
26	122.30	108.18	193.35	142.70	229.95	200.64	232.10	254.41	223.37	268.62	211.86	176.83
27	101.63	145.57	155.29	212.38	194.04	192.31	185.32	243.19	233.65	320.79	174.69	126.50
28	110.02	107.85	117.24	109.15	139.94	194.83	130.92	178.62	255.47	313.68	227.12	158.57
29	109.79	95.86	118.21	104.80	238.38	150.37	247.96	216.06	170.10	278.36	288.67	187.38
30	116.98		140.97	211.54	208.77	172.08	210.52	194.50	196.01	272.25	215.55	148.15
31	176.31		146.49		232.49		173.11	192.03		258.62		113.75
Min	65.97	89.52	80.48	88.26	112.58	120.12	122.82	113.68	146.82	114.97	174.69	112.23
Mean	127.71	140.08	141.85	143.91	188.21	192.65	187.25	200.56	224.71	240.27	284.90	162.21
Max	193.54	254.86	218.03	270.16	250.07	272.17	247.96	343.01	290.73	326.83	385.44	234.66

MISSISSIPPI MILLS DRINKING WATER SYSTEM / MMills DWS RW Well 5

Yearly Summary (Flow) 2024

Station:		Units: cubic meter per day				Daily Max:		272.83 on November 19				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	68.15	87.90	97.41	143.26	76.77	93.44	162.17	112.98	0.00	0.00	222.79	136.93
2	67.05	100.09	149.15	68.43	135.81	184.08	127.56	167.27	0.00	0.00	215.94	127.95
3	91.13	62.23	81.62	66.95	138.51	114.89	107.60	90.17	0.00	0.00	191.42	100.22
4	102.54	75.67	121.26	96.50	86.07	181.45	147.13	164.61	0.00	121.73	209.11	104.78
5	74.01	105.32	87.07	144.07	133.51	125.89	135.99	130.69	0.00	101.77	196.32	127.63
6	77.25	114.59	73.90	69.83	122.47	155.96	112.16	130.05	0.00	171.02	192.27	145.52
7	72.46	102.60	126.26	80.59	155.33	101.34	104.48	113.68	0.00	101.92	193.21	124.69
8	82.07	57.23	117.00	96.49	92.28	81.14	158.48	145.54	0.00	7.54	182.16	112.95
9	86.85	100.53	68.58	124.24	146.83	141.08	154.82	103.43	0.00	124.85	215.83	81.43
10	66.51	77.22	75.28	181.16	106.52	133.60	92.58	91.90	0.00	164.34	230.94	104.19
11	79.07	72.29	145.53	80.28	77.50	133.72	94.63	141.58	0.00	165.99	205.74	127.65
12	82.15	87.55	77.95	68.07	152.26	91.70	161.29	133.62	0.00	79.56	210.03	106.69
13	66.45	114.82	70.27	118.24	135.72	107.68	106.77	68.25	0.00	150.64	193.72	149.75
14	71.99	97.50	104.92	105.01	115.62	161.48	127.13	0.00	0.00	147.51	188.07	85.49
15	76.55	86.10	117.26	68.23	144.54	98.80	150.74	0.00	0.00	114.51	200.59	116.86
16	73.74	163.48	68.52	119.15	155.35	136.02	57.94	0.00	0.00	164.67	186.18	168.90
17	121.88	74.10	78.81	96.33	146.13	163.21	112.99	0.00	0.00	149.37	189.98	111.23
18	83.54	90.52	116.35	59.88	126.42	151.89	130.34	0.00	0.00	107.86	244.92	104.05
19	53.93	126.97	101.14	121.03	142.21	149.47	144.66	0.00	0.00	155.60	272.83	82.96
20	88.00	116.00	90.68	82.75	162.64	139.56	101.35	0.00	0.00	143.32	197.00	172.24
21	79.88	65.91	67.01	73.72	138.02	114.48	103.23	0.00	0.00	179.24	192.76	86.13
22	90.42	74.24	135.33	153.60	82.50	100.37	164.08	0.00	0.00	188.44	192.19	129.61
23	109.68	118.58	85.49	90.82	171.00	143.73	125.04	0.00	0.00	162.30	202.86	138.01
24	72.56	110.70	76.90	66.64	117.32	163.75	156.19	0.00	0.00	191.47	232.72	90.80
25	89.25	67.71	90.75	129.29	87.41	120.98	81.18	0.00	0.00	225.72	166.26	121.29
26	76.76	75.74	130.62	97.68	155.63	152.32	147.57	0.00	0.00	183.33	132.90	132.37
27	64.25	99.68	105.91	144.88	131.00	129.92	124.97	0.00	0.00	223.91	127.06	94.98
28	69.69	74.29	79.14	74.31	95.40	132.74	88.82	0.00	0.00	218.57	159.23	119.31
29	69.08	66.00	80.68	71.30	98.38	102.05	166.97	0.00	0.00	194.42	203.79	141.52
30	73.21		96.05	147.98	141.23	124.51	142.80	0.00	0.00	189.78	151.66	112.26
31	111.34		99.79		157.59		117.24	0.00		179.61		81.90
Min	53.93	57.23	67.01	59.88	76.77	81.14	57.94	0.00	0.00	0.00	127.06	81.43
Mean	80.37	91.92	97.31	101.36	126.71	131.04	126.09	51.41	0.00	139.00	196.68	117.43
Max	121.88	163.48	149.15	181.16	171.00	184.08	166.97	167.27	0.00	225.72	272.83	172.24

MISSISSIPPI MILLS DRINKING WATER SYSTEM / MMills DWS RW Well 6

Yearly Summary (Flow) 2024

Station:		Units: cubic meter per day				Daily Max:		456.99 on November 19				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	114.82	146.21	164.03	222.26	128.71	156.32	272.62	189.12	220.54	301.82	374.74	231.55
2	109.10	168.30	251.30	115.53	229.06	309.65	213.61	281.11	228.04	247.83	362.58	215.24
3	155.77	104.86	137.20	112.42	231.73	192.78	180.00	150.80	303.25	253.14	321.08	168.64
4	173.21	127.07	204.05	162.66	144.83	303.68	247.49	277.15	261.85	267.75	352.23	177.00
5	125.14	177.39	146.91	243.54	225.13	206.50	228.42	220.15	275.52	172.17	329.40	215.34
6	130.74	193.06	123.98	117.42	213.02	263.24	187.46	217.86	193.83	193.52	325.38	243.22
7	121.46	173.13	212.45	135.55	260.69	170.78	175.72	190.61	166.80	199.93	325.30	210.71
8	137.52	96.30	167.39	162.04	154.54	136.18	261.20	244.87	280.79	291.26	306.32	190.59
9	145.40	125.43	115.38	209.10	246.94	237.41	261.67	174.39	259.69	209.06	363.78	214.33
10	112.40	130.37	126.68	305.13	178.63	72.54	155.50	153.66	266.31	275.06	388.77	301.33
11	133.35	121.45	245.05	135.46	130.66	196.88	158.94	238.18	259.83	271.33	345.27	215.97
12	138.34	146.48	131.81	114.70	248.23	153.97	271.10	225.80	231.25	133.64	368.98	179.74
13	111.64	193.33	118.27	197.98	228.47	181.28	178.86	201.14	251.51	253.56	325.81	252.35
14	120.73	164.13	176.91	177.35	193.68	271.26	212.24	193.67	195.46	249.47	316.78	144.01
15	128.83	145.30	198.18	114.21	242.10	166.08	254.11	388.54	318.86	191.55	338.25	196.47
16	123.93	273.48	115.73	201.08	260.47	228.50	150.93	231.99	263.00	281.28	314.19	286.59
17	205.49	124.76	132.54	157.10	245.44	274.07	189.32	207.69	263.90	250.51	320.97	203.19
18	140.28	152.86	196.28	100.79	213.15	253.74	219.36	231.97	300.33	180.15	416.81	175.36
19	69.87	214.13	169.79	204.17	238.89	249.89	243.56	225.15	288.93	262.62	456.99	139.22
20	148.03	193.04	153.31	139.65	272.57	235.95	169.81	194.85	191.23	241.43	332.12	292.49
21	134.75	110.87	112.97	124.26	232.36	192.02	173.05	205.84	328.22	300.65	305.25	145.02
22	152.05	124.81	228.28	252.35	137.56	168.42	275.70	260.61	296.47	316.65	323.28	217.99
23	188.30	199.15	144.77	152.68	286.38	242.70	204.63	251.63	287.30	271.89	341.70	233.68
24	126.95	187.00	129.40	110.97	196.27	288.34	173.04	230.68	243.66	320.64	391.76	151.20
25	150.82	113.91	152.16	218.04	146.37	217.83	21.93	238.05	224.40	378.34	280.95	204.06
26	132.93	127.33	220.18	164.08	261.35	248.99	261.45	287.12	255.76	308.03	251.87	224.02
27	108.04	156.45	178.44	243.27	220.69	219.68	210.09	273.80	267.72	376.69	216.47	159.94
28	116.80	125.60	134.37	125.03	159.41	223.17	148.48	201.38	292.27	367.15	267.78	200.98
29	116.40	111.10	135.77	119.92	271.80	171.74	280.99	243.05	169.80	326.46	344.07	239.42
30	123.73		161.74	241.76	237.30	195.94	237.23	218.99	224.22	317.84	256.87	189.12
31	171.97		168.09		264.39		196.18	216.65		301.65		157.02
Min	69.87	96.30	112.97	100.79	128.71	72.54	21.93	150.80	166.80	133.64	216.47	139.22
Mean	134.48	152.67	163.01	169.35	216.16	214.32	206.93	227.95	253.69	268.16	332.19	205.67
Max	205.49	273.48	251.30	305.13	286.38	309.65	280.99	388.54	328.22	378.34	456.99	301.33

MISSISSIPPI MILLS DRINKING WATER SYSTEM / MMills DWS RW Well 7

Yearly Summary (Flow) 2024

Station:		Units: cubic meter per day						Daily Max:		1954.96 on November 09		
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	833.87	799.62	906.92	1046.38	874.09	1101.70	1093.14	1109.28	1000.45	1178.49	1716.93	1023.39
2	762.74	778.04	1035.85	891.01	1223.96	1262.09	1062.14	1130.18	1051.63	1194.03	1885.13	973.18
3	778.96	852.89	994.39	829.50	1034.18	1210.84	1016.05	1069.30	1238.16	1251.57	1729.59	956.80
4	889.00	881.41	1032.46	840.61	948.97	1306.42	1132.64	1142.93	1055.58	1133.67	1852.84	972.74
5	737.11	868.92	839.60	1012.38	1036.34	1195.18	1104.35	996.78	1148.20	1077.00	1784.57	1015.48
6	778.05	899.29	970.53	850.28	1056.68	1105.30	990.72	1057.89	1027.04	1085.27	1734.58	1057.53
7	873.65	859.61	971.41	875.20	1005.52	942.92	993.25	1097.68	1021.60	1204.60	1759.66	973.97
8	846.41	744.81	986.99	931.82	1070.54	885.22	1122.93	1056.04	1142.81	1193.07	1679.97	1039.25
9	766.44	962.78	857.39	1223.05	1173.92	1093.65	1082.23	961.81	1085.24	1204.46	1954.96	1006.42
10	696.65	800.08	846.27	1268.44	950.55	1023.96	905.18	955.35	1082.59	1194.01	1751.17	1106.43
11	771.74	880.68	1003.24	811.60	908.47	1035.40	937.30	1097.71	1095.50	1160.09	1560.51	944.28
12	729.42	878.01	790.16	872.75	1012.34	946.42	1157.89	1002.65	1086.23	931.15	1829.53	1008.09
13	798.49	936.26	849.18	950.80	1029.76	941.20	966.38	1041.91	1149.50	1116.03	1772.55	978.03
14	777.65	754.79	982.66	937.37	1141.08	1097.69	1146.65	980.05	1082.86	1078.46	1685.79	1041.83
15	802.84	851.56	911.07	854.11	1088.22	1027.76	1036.14	1164.29	1341.01	1157.64	1776.35	978.47
16	716.98	863.71	828.56	1041.95	1212.06	1107.42	965.68	1122.30	1206.76	1216.99	1836.38	1183.53
17	843.81	929.11	903.10	820.77	1034.23	1131.60	990.69	971.54	1165.06	1217.98	1868.96	915.69
18	801.29	902.31	1038.42	871.43	974.75	1190.32	972.57	1018.11	1412.94	1040.61	1870.43	1009.60
19	750.04	1009.45	844.31	1055.12	1052.86	1272.55	1057.24	1026.11	1280.59	1156.76	1250.39	939.43
20	820.29	914.48	856.45	853.17	1147.65	1032.45	954.87	952.70	1146.42	1053.18	1783.06	1192.10
21	778.45	923.15	913.43	912.10	1031.14	1016.28	984.18	1023.52	1313.79	1137.81	1746.65	1026.78
22	800.27	846.80	964.69	1077.67	1013.91	982.70	1118.89	1062.52	1194.93	1037.73	1738.50	1083.96
23	910.87	916.98	840.11	891.31	1258.71	1025.07	988.01	1109.29	1173.54	1104.27	1862.87	1039.81
24	799.43	879.08	907.22	807.04	1038.57	1195.37	1027.62	1028.97	1151.96	1600.20	1783.22	1029.91
25	744.75	887.58	914.69	1089.12	939.41	1037.89	948.99	1117.19	1032.60	1762.04	1406.03	1031.06
26	788.28	870.71	1017.07	773.25	1194.53	1011.24	1084.07	1187.07	1127.56	1703.30	981.75	1001.35
27	750.11	908.97	882.89	997.65	982.07	984.80	977.58	1075.55	1239.06	1761.22	972.57	990.39
28	756.11	761.95	813.24	858.44	1065.11	1123.34	1089.80	1067.92	1203.74	1907.65	1117.46	1090.11
29	826.56	887.51	937.77	876.77	1148.11	945.29	1143.10	1074.54	1042.99	1739.18	1328.90	1063.03
30	708.86		877.82	1146.28	1113.86	974.79	1025.53	996.88	1193.46	1745.77	1099.43	948.28
31	904.14		865.94		1098.34		1045.93	1056.52		1718.41		928.11
Min	696.65	744.81	790.16	773.25	874.09	885.22	905.18	952.70	1000.45	931.15	972.57	915.69
Mean	791.72	870.71	915.61	942.25	1060.00	1073.56	1036.19	1056.60	1149.79	1292.34	1637.36	1017.71
Max	910.87	1009.45	1038.42	1268.44	1258.71	1306.42	1157.89	1187.07	1412.94	1907.65	1954.96	1192.10

MISSISSIPPI MILLS DRINKING WATER SYSTEM / MMills DWS RW Well 8

Yearly Summary (Flow) 2024

Station:		Units: cubic meter per day				Daily Max:		1394.29 on September 18				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	884.57	850.66	849.45	956.96	858.85	1085.26	1074.81	1090.22	984.54	1161.87	0.00	1007.21
2	806.00	826.89	968.56	805.22	1203.53	1245.56	1044.05	1130.18	1035.63	1177.83	0.00	954.17
3	824.02	907.09	927.54	756.79	1019.22	1191.42	995.16	1049.13	1222.05	1235.74	0.00	938.43
4	938.77	937.78	963.00	769.68	927.96	1289.77	1111.37	1126.47	1039.36	1117.98	0.00	956.42
5	778.73	925.51	784.02	925.99	1020.57	1176.00	1082.79	977.18	1131.71	1059.86	0.00	996.62
6	821.45	958.15	907.21	778.41	1040.20	1088.59	969.63	1041.19	1007.55	1065.71	0.00	1041.88
7	922.53	914.68	910.98	804.42	990.51	923.70	971.95	1077.75	1002.00	1191.21	0.00	955.25
8	892.01	791.93	924.57	859.51	1052.16	869.98	1101.97	1045.51	1125.97	1177.01	0.00	1020.60
9	807.97	1024.20	802.85	255.90	1156.00	1075.02	1058.39	942.29	1068.45	1185.77	0.00	990.53
10	732.49	852.13	792.34	540.79	934.96	1012.07	886.83	940.90	1065.75	1177.58	0.00	1087.21
11	812.44	942.72	938.47	795.97	890.24	1013.43	913.64	1080.85	1079.32	1143.19	0.00	928.28
12	766.25	943.38	739.56	854.54	1012.58	946.55	1139.95	987.97	1067.05	914.61	0.00	988.80
13	840.21	1006.64	792.71	932.80	1011.80	922.66	948.76	1024.12	1133.36	1096.27	0.00	959.28
14	817.11	814.30	915.97	922.70	1125.05	1082.24	1125.81	965.34	1066.62	1061.63	0.00	1022.78
15	843.94	915.93	848.35	839.34	1072.74	1008.47	1018.13	1148.90	1322.08	1141.19	0.00	960.10
16	754.82	719.27	828.56	1022.06	1196.78	1091.26	942.86	1104.34	1190.38	1201.00	0.00	1166.82
17	885.99	627.82	840.16	804.45	1017.88	1112.88	970.39	956.38	1149.03	1198.79	0.00	900.08
18	841.54	860.09	965.62	855.04	958.53	1171.71	953.93	1003.19	1394.29	1024.17	0.00	982.09
19	796.07	937.12	782.27	1036.91	1036.72	1254.15	1036.68	1011.14	1264.89	1136.72	0.00	921.89
20	873.14	826.49	794.94	837.71	1131.78	1016.60	934.46	938.05	1129.76	1036.34	0.00	1176.71
21	826.61	832.76	844.61	894.05	1015.43	997.10	965.82	1006.39	1297.14	1118.27	0.00	1008.58
22	851.46	767.80	890.18	1058.21	994.78	963.57	1103.63	1047.16	1177.77	1020.99	0.00	1069.05
23	967.85	825.74	774.02	873.11	1243.64	1009.00	966.71	1093.99	1156.40	778.57	0.00	1024.47
24	848.23	817.05	836.41	791.80	1019.56	1179.69	882.71	1013.94	1132.22	0.00	0.00	1011.55
25	790.04	825.55	843.50	1071.17	923.33	1020.11	931.26	1098.93	1016.41	0.00	555.03	1015.32
26	835.49	806.83	935.39	760.74	1175.15	991.10	1065.64	1174.02	1107.01	0.00	963.11	984.95
27	797.53	905.97	811.09	981.97	966.38	966.80	958.70	1060.55	1219.73	0.00	954.14	972.03
28	805.64	706.10	746.17	843.10	1045.38	1102.34	1073.45	1049.04	1186.94	0.00	1102.27	1074.07
29	881.18	829.99	860.37	855.77	1128.58	924.25	1127.32	1058.75	1040.44	0.00	1316.27	1046.73
30	754.46		804.22	1130.53	1098.18	953.75	1006.69	979.59	1174.68	0.00	1080.40	930.17
31	963.46		793.64		1083.04		1026.97	1039.20		0.00		912.46
Min	732.49	627.82	739.56	255.90	858.85	869.98	882.71	938.05	984.54	0.00	0.00	900.08
Mean	837.48	858.64	852.15	853.85	1043.60	1056.17	1012.60	1040.73	1132.95	820.07	199.04	1000.15
Max	967.85	1024.20	968.56	1130.53	1243.64	1289.77	1139.95	1174.02	1394.29	1235.74	1316.27	1176.71