

North Dundas Drinking Water System

Waterworks # 210000728
System Category – Large Municipal Residential

Annual Report

Township of North Dundas

Reporting Period of January 1st – December 31st 2020

Issued: February 25, 2021

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

As North Dundas' Drinking Water System is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the municipal office located at 636 St. Lawrence Street, Winchester, Ontario and on the Township's website (<https://northdundas.com>).

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	1
Ministry of Labour Inspections	0
QEMS External Audit	1
AWQI's/BWA	0/0
Non-Compliance	4
Spills	1
Watermain Breaks	1

System Process Description

Raw Source

North Dundas's Drinking Water System is supplied by a total of eight groundwater production wells located throughout the municipality.

Chesterville Well #5 is a 12.2 m deep drilled groundwater production well equipped with a submersible pump rated at 23 L/sec at 35 m total dynamic head (TDH). The well is located approximately 3.8 km west of Chesterville and 600 m north of Highway 43.

Chesterville Well #6 is a 12.2 m deep drilled groundwater production well equipped with a submersible pump rated at 30.3 L/sec at 34.1 m TDH. The well is located approximately 3.8 km west of Chesterville and 600 m north of Highway 43.

Winchester Well #1 is a 57.9 m deep drilled well equipped with a submersible pump rated at 8.7 L/s at 69.5 m TDH. The well is located in Winchester at the south end of St. Lawrence Street.

Winchester Well #5 is a 28.0 m deep drilled well equipped with a submersible pump rated at 7.6 L/s at 70 m TDH. The well is located west of Winchester, along County Road 31.

Winchester Well #6 is a 15.9 m deep drilled well equipped with a submersible pump rated at 8.3 L/s at 69.5 m TDH. The well is located west of Winchester, along Spruit Road.

Winchester Well Field #7 consists of three gravel packed wells (7a, 7b, 7c), each with a depth of 12-15 m and each equipped with a submersible pump rated at 11.4 L/s at 45 m TDH. The wells are located north east of Winchester along Thompson Road.

Treatment

Sodium hypochlorite is used for both primary and secondary disinfection. Each treatment facility has two chemical feed pumps (one duty and one standby). Water leaving each treatment facility is continuously monitored for flow and free chlorine residual.

Distribution

The distribution systems in both Chesterville and Winchester were originally constructed in 1960. Watermains installed prior to 1973 are composed of asbestos cement, while newer pipes are composed of ductile iron or PVC. The distribution system contains a total of approximately 50 kilometers of distribution piping. Chesterville and Winchester's distribution systems operate independently of one another.

Chesterville's elevated storage tank and reservoir accommodate Chesterville's peak hour demands and fire flows. The elevated tank is fabricated entirely of steel and has a storage capacity of 568 m³. The reservoir consists of two equally sized underground cells and a suction well with a total capacity of 530 m³.

Winchester's elevated storage tank and reservoir accommodate Winchester's peak hour demands and fire flows. The elevated tank is fabricated of steel and mounted on a concrete pedestal. It has a storage capacity of 2300 m³. The reservoir is an on-ground stainless steel baffled tank with an effective capacity of 400 m³.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Brenntag/Jutzi

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None to report						

Non-Compliance

Legislation	requirement(s) system failed to meet	Corrective Action	Status
SDWA O. Reg 170/03 Schedule 6.3 (1) (a).	Two distribution samples collected on December 14th 2020 were submitted to Caduceon laboratories in Ottawa ON, without the free chlorine residual recorded on the chain of custody	The sampling requirements have been reviewed with the operators of the facility to ensure they are aware of all regulatory requirements and Caduceon was asked to contact OCWA of any chain of custody issues going forward.	Complete
Condition 4.4 of PTTW #3380- AC3QF9	Monast Pit missed sample for the 2020 reporting year	The sampling requirements and the sampling calendar have been reviewed with the operators and a work order for the Monast Pit sampling has been created in OCWA's WMS platform Maximo	Complete

Non-Compliance Identified in a Ministry Inspection

Legislation	requirement(s) system failed to meet	Corrective Action	Status
OWRA O.Reg. 903	The owner was not maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials	The missing bolt on the well cap of test well beside Chesterville Well #6 was replaced, securing the well casing	Complete
Section 5.0 of Schedule B in the DWWP	The owner/operating authority was not in compliance with the requirement to prepare Form 3 and associated documents as required by their Drinking Water Works Permit	The guidance document OCWA has developed on the requirements to complete forms for drinking water system alterations will be reviewed to prior to alterations to the drinking water system to ensure Form 3's are completed correctly prior to equipment installation	Complete

Flows

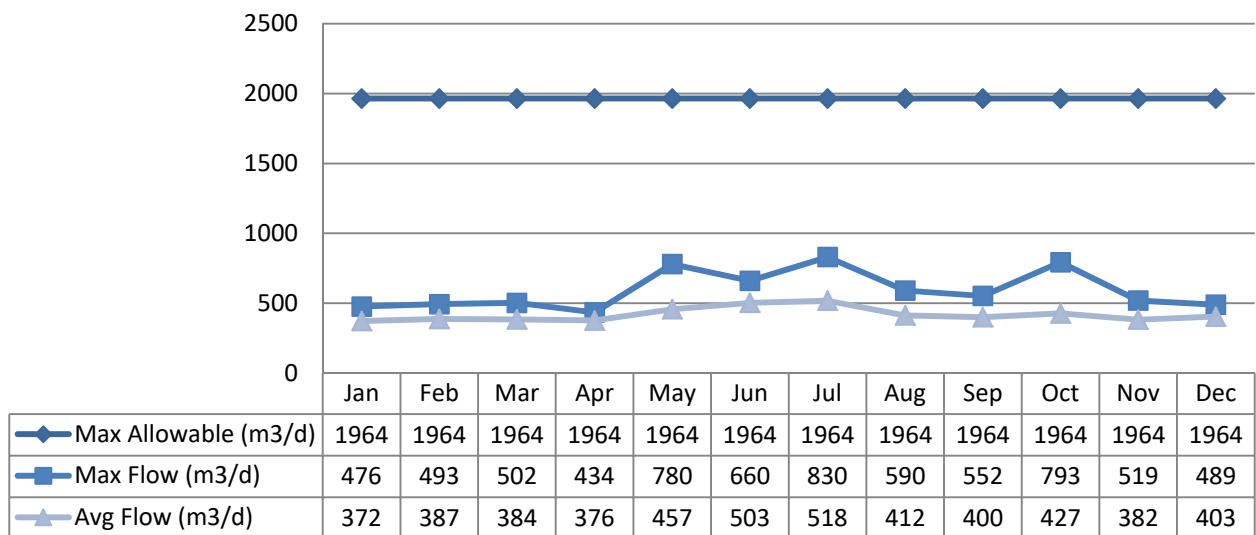
Raw water flows are regulated under the applicable Permit to Take Water (PTTW).

Chesterville Well #5 Raw Water Flows

Raw flow data for 2020 was submitted to the Ministry electronically under Permit #3380-AC3QF9. The confirmation can be found attached in Appendix A.

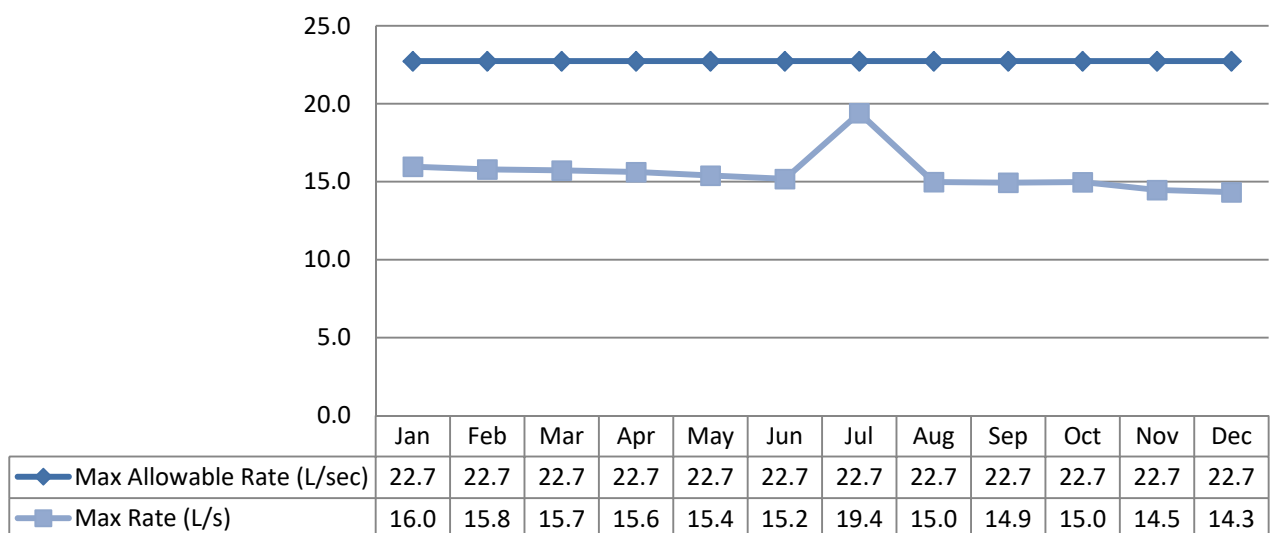
Chesterville Well #5 - Flows

Max. Allowable Flow - PTTW



Chesterville Well #5 - Maximum Flow Rates

Max. Allowable Rate - PTTW

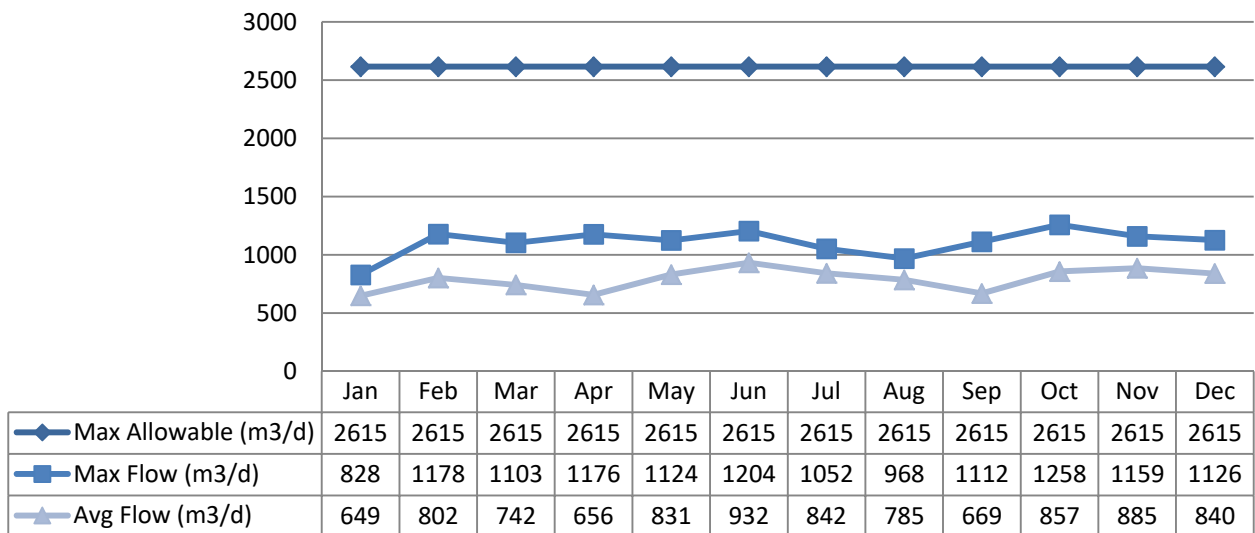


Chesterville Well #6 Raw Water Flows

Raw flow data for 2020 was submitted to the Ministry electronically under Permit #3380-AC3QF9. The confirmation can be found attached in Appendix A.

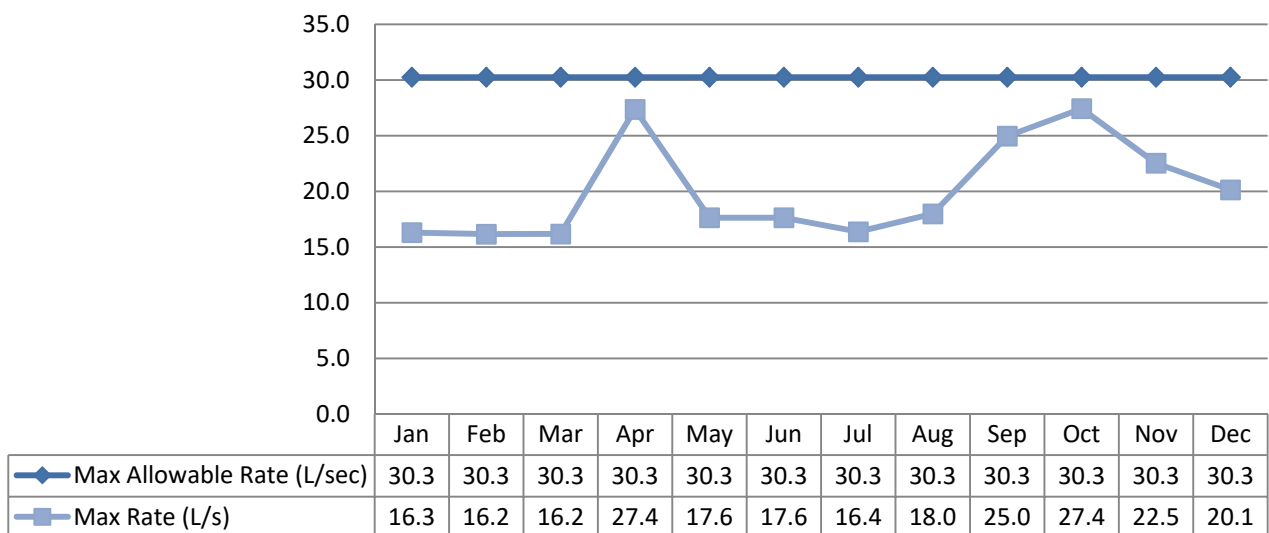
Chesterville Well #6 - Flows

Max. Allowable Flow - PTTW



Chesterville Well #6 - Maximum Flow Rates

Max. Allowable Rate - PTTW

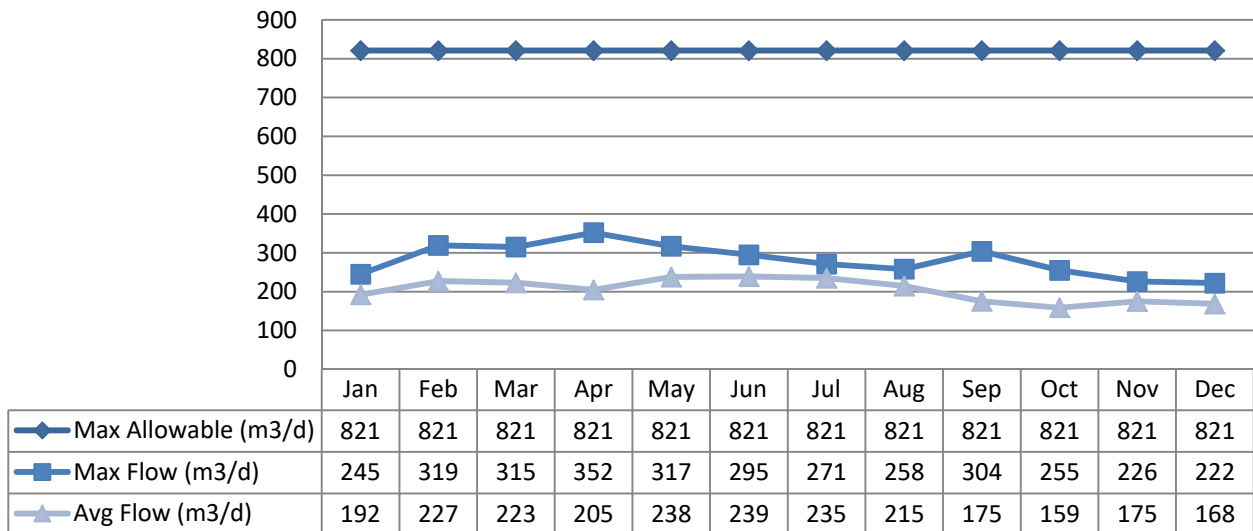


Winchester Well #1 Raw Water Flows

Raw flow data for 2020 was submitted to the Ministry electronically under Permit #4175-9C3GPW. The confirmation can be found attached in Appendix A.

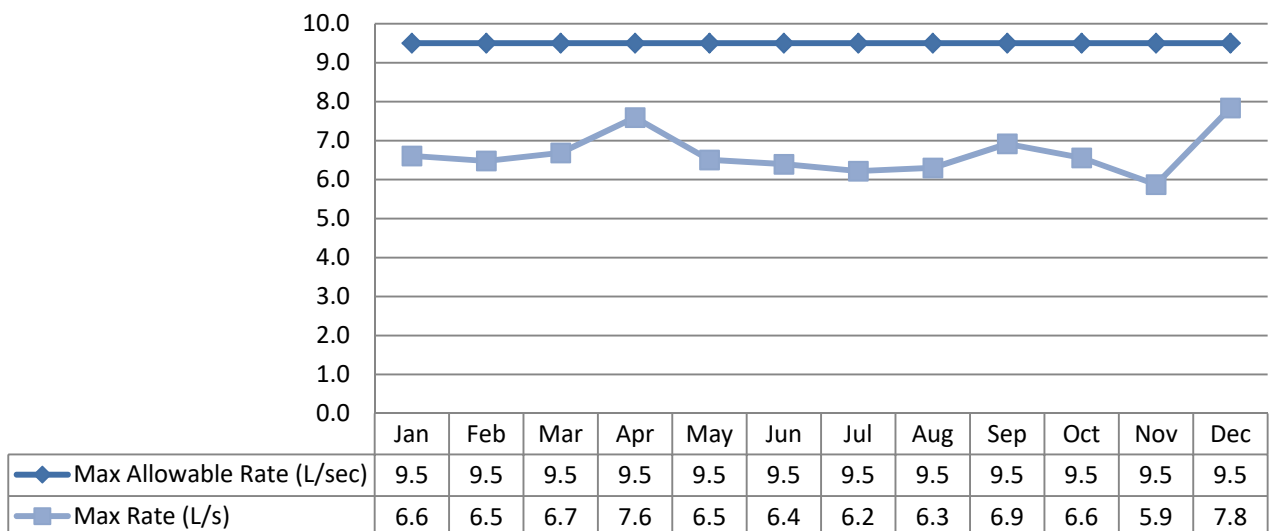
Winchester Well #1 - Flows

Max. Allowable Flow - PTTW



Winchester Well #1 - Maximum Flow Rates

Max. Allowable Rate - PTTW

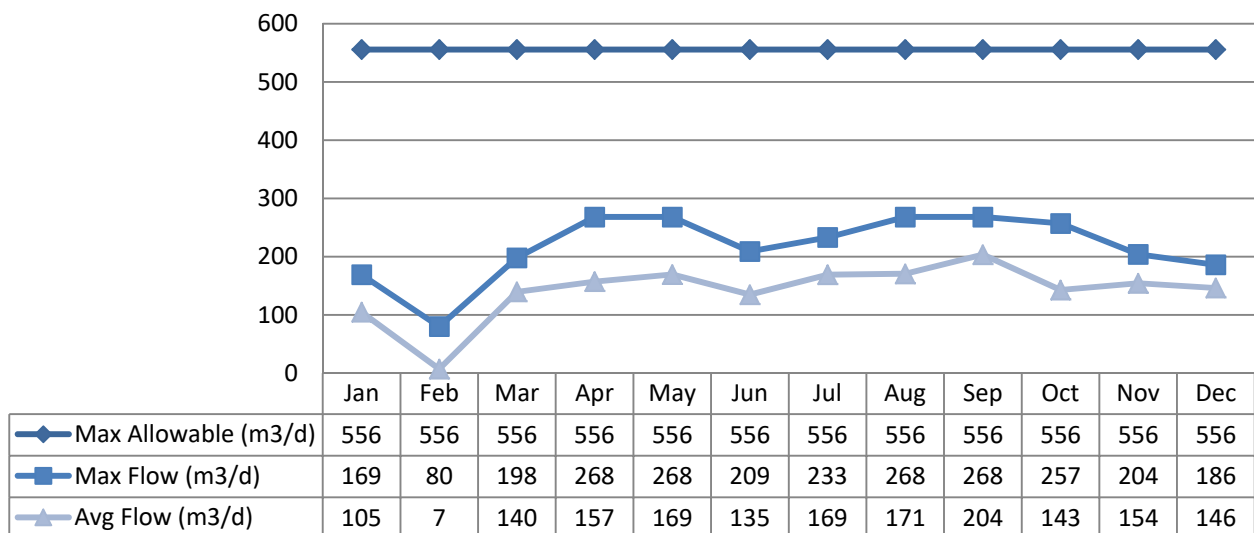


Winchester Well #5 Raw Water Flows

Raw flow data for January 1st 2020 to March 23rd 2020 was submitted to the Ministry electronically under Permit #2181-838S8E and from March 24th 2020 to December 31st 2020 under Permit #0276-BMYKQT. The confirmations can be found attached in Appendix A.

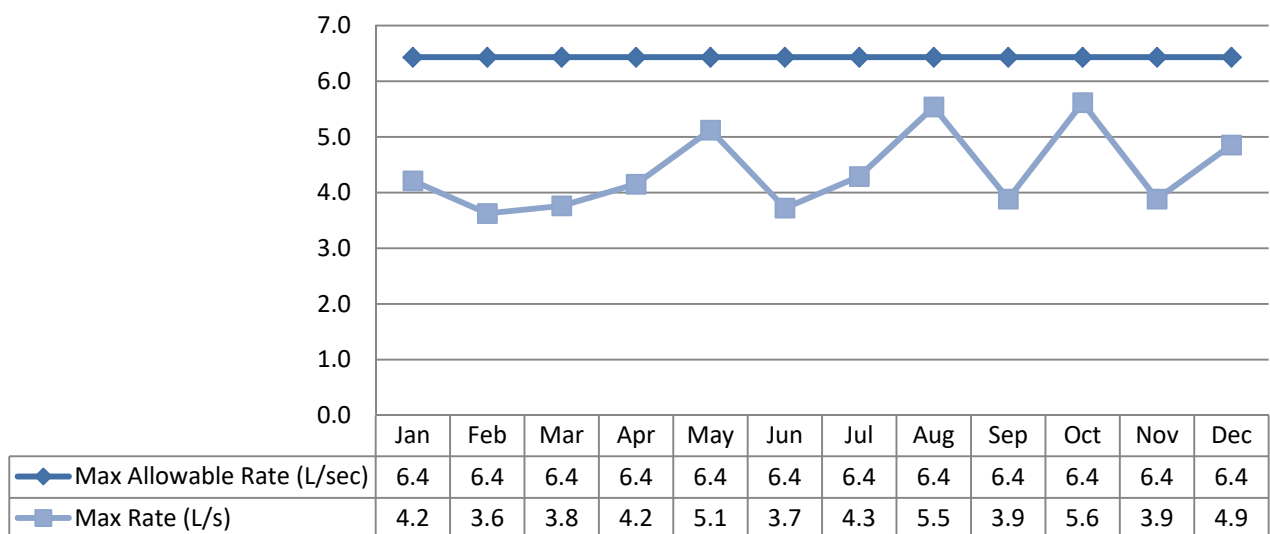
Winchester Well #5 - Flows

Max. Allowable Flow - PTTW



Winchester Well #5 - Maximum Flow Rates

Max. Allowable Rate - PTTW

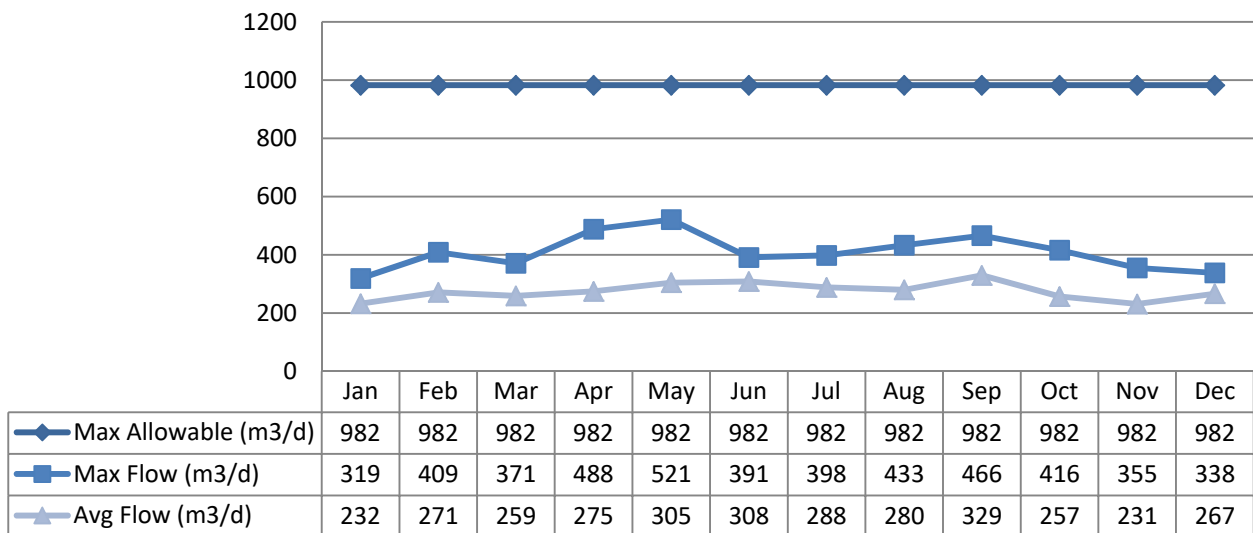


Winchester Well #6 Raw Water Flows

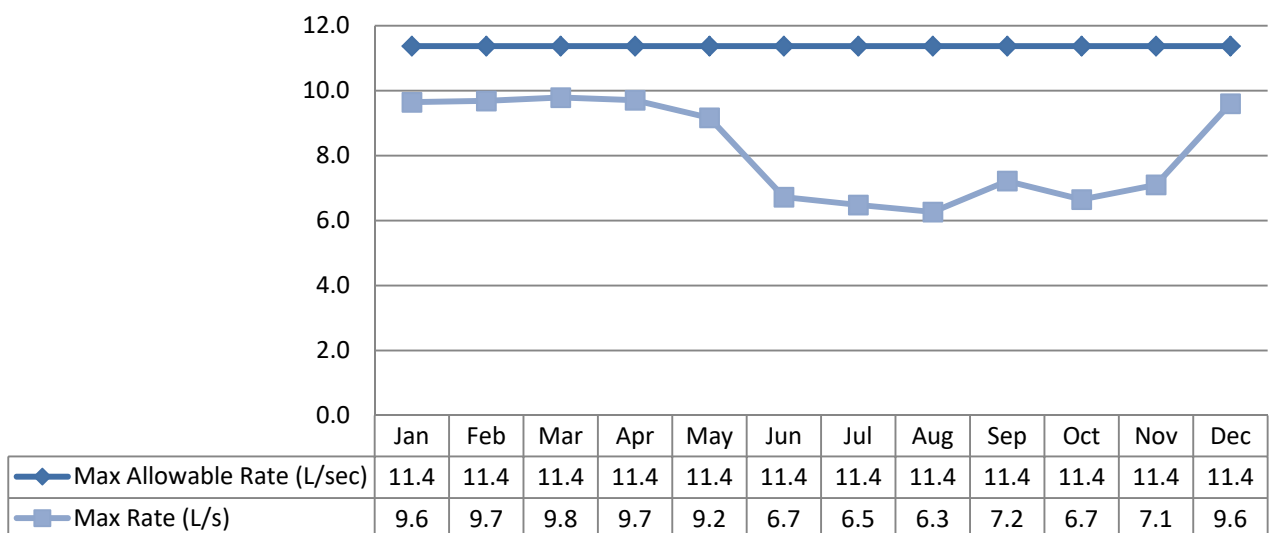
Raw flow data for 2020 was submitted to the Ministry electronically under Permit #0088-9C3JG4. The confirmation can be found attached in Appendix A.

Winchester Well #6 - Flows

Max. Allowable Flow - PTTW

**Winchester Well #6 - Maximum Flow Rates**

Max. Allowable Rate - PTTW

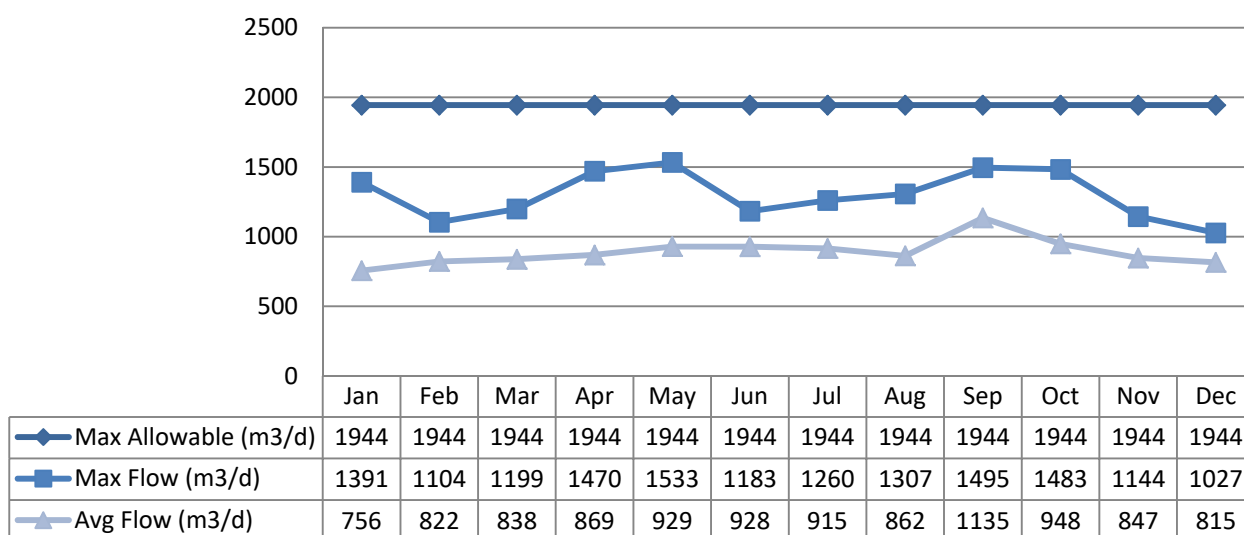


Well Field #7 Raw Water Flows

Raw flow data for January 1st 2020 to March 23rd 2020 was submitted to the Ministry electronically under Permit #0816-838SXR and from March 24th 2020 to December 31st 2020 under Permit #6328-BMYJUS. The confirmations can be found attached in Appendix A.

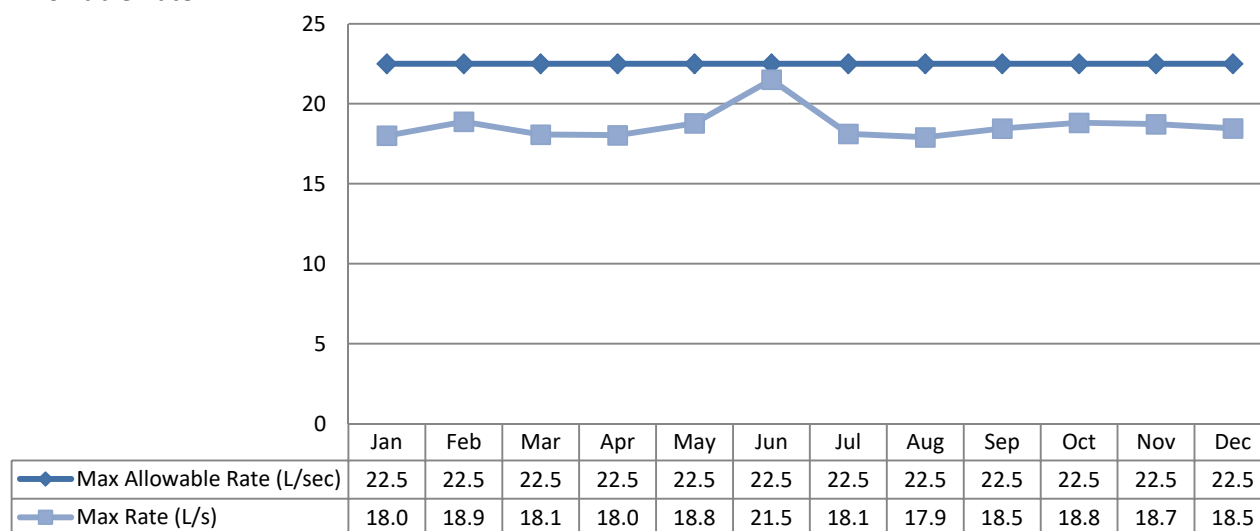
Winchester Well Field #7 - Flows

Max. Allowable Flow - PTTW



Winchester Well Field #7 - Maximum Flow Rates

Max. Allowable Rate - PTTW

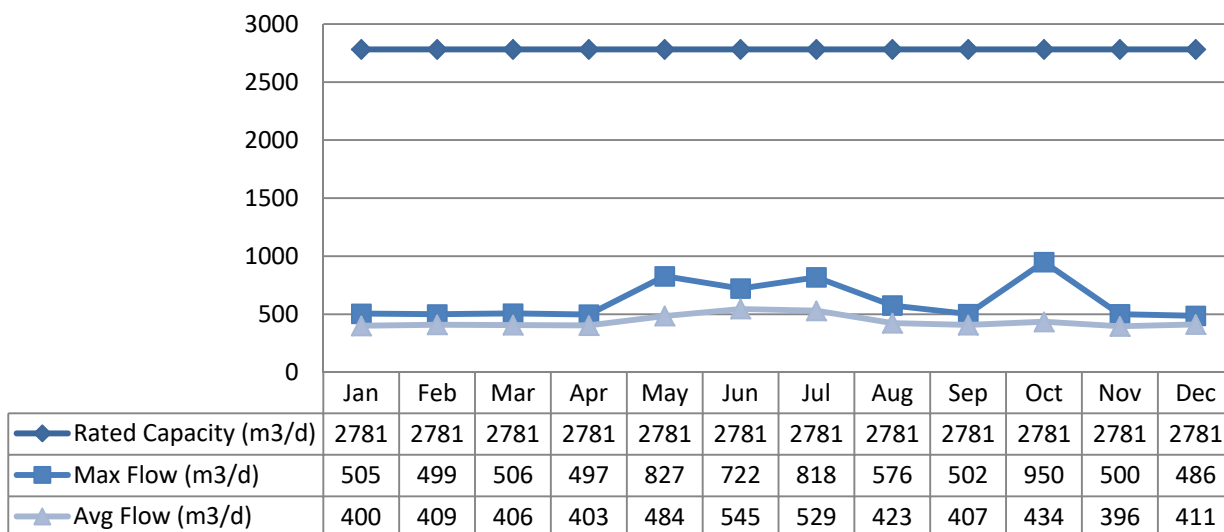


Treated Water Flows

Treated water flows are regulated under the Municipal Drinking Water Licence (MDWL).

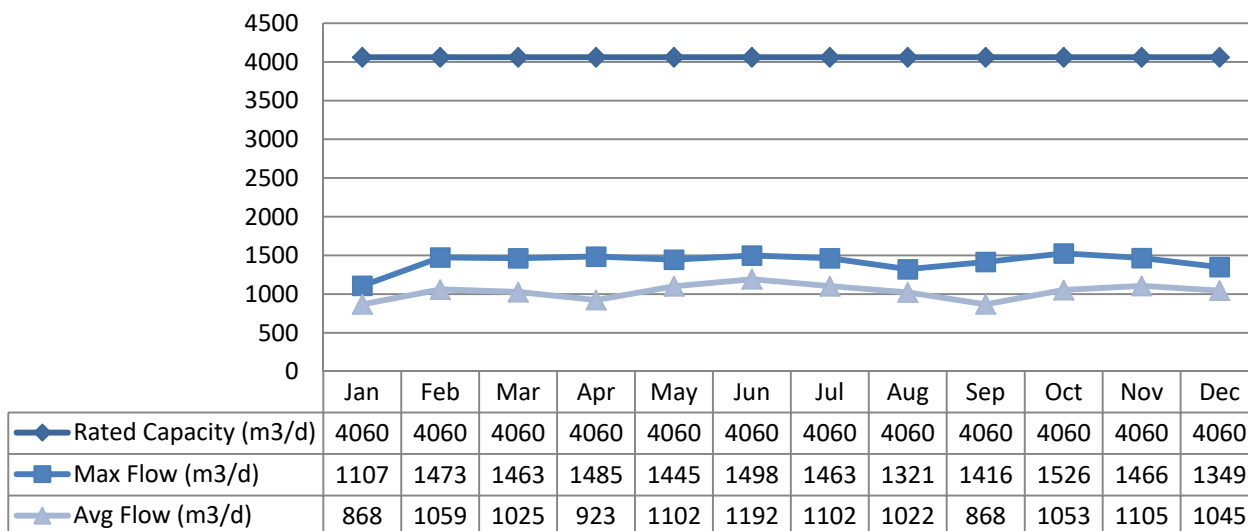
Chesterville Reservoir - Daily Treated Flows

Rated Capacity - MDWL



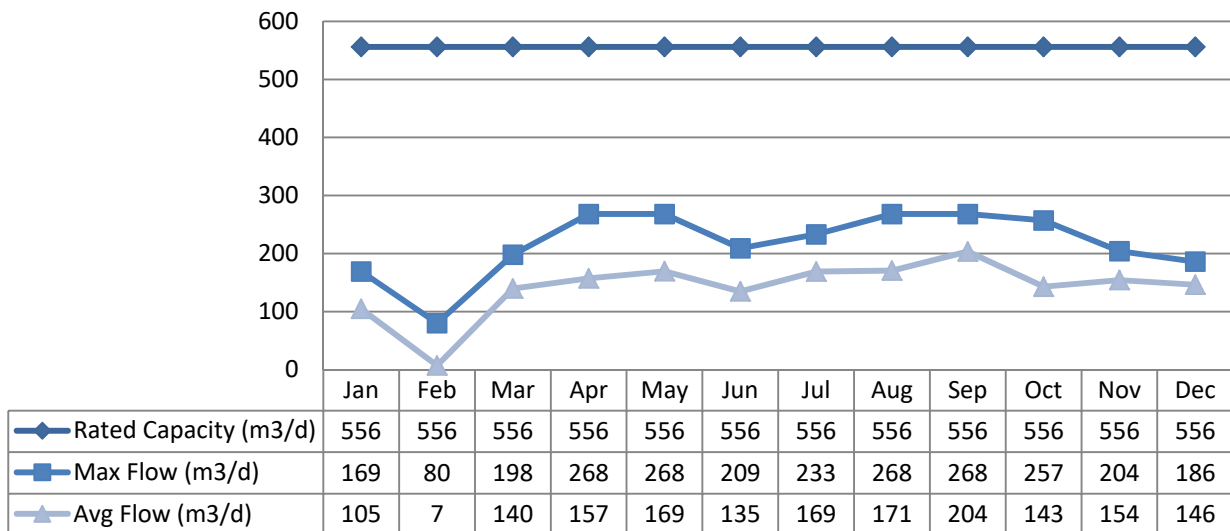
Winchester Reservoir - Treated Flows

Rated Capacity - MDWL

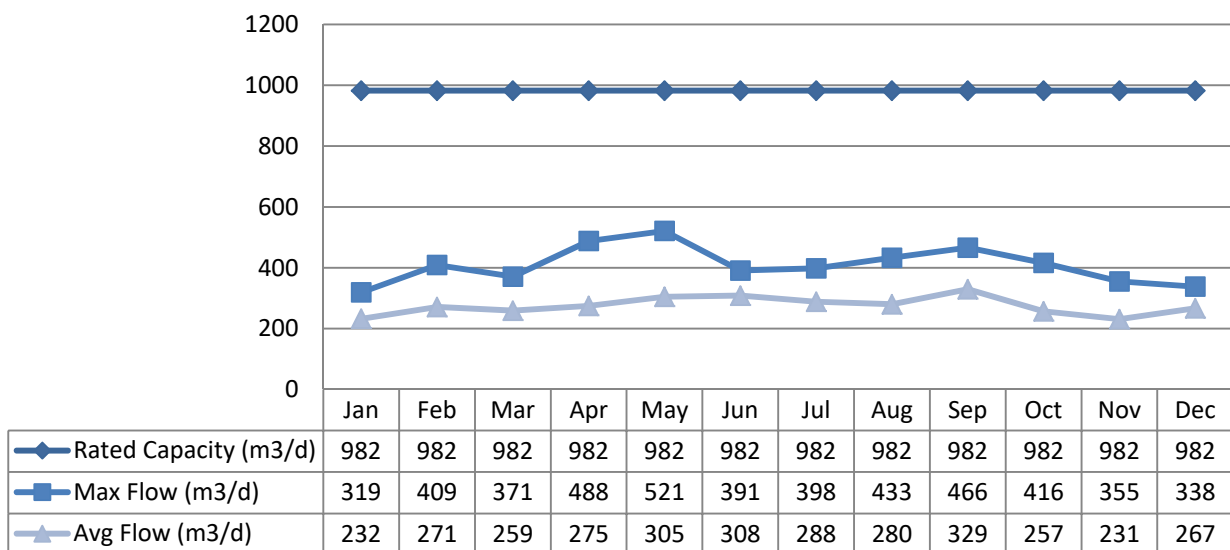


Winchester Well #5 - Treated Flows

Rated Capacity - MDWL

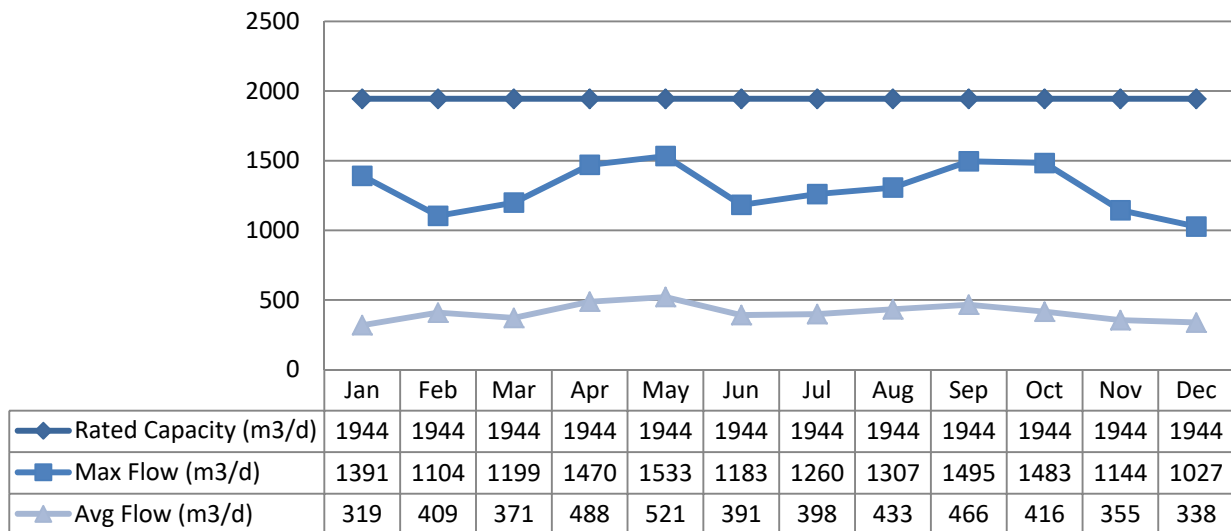
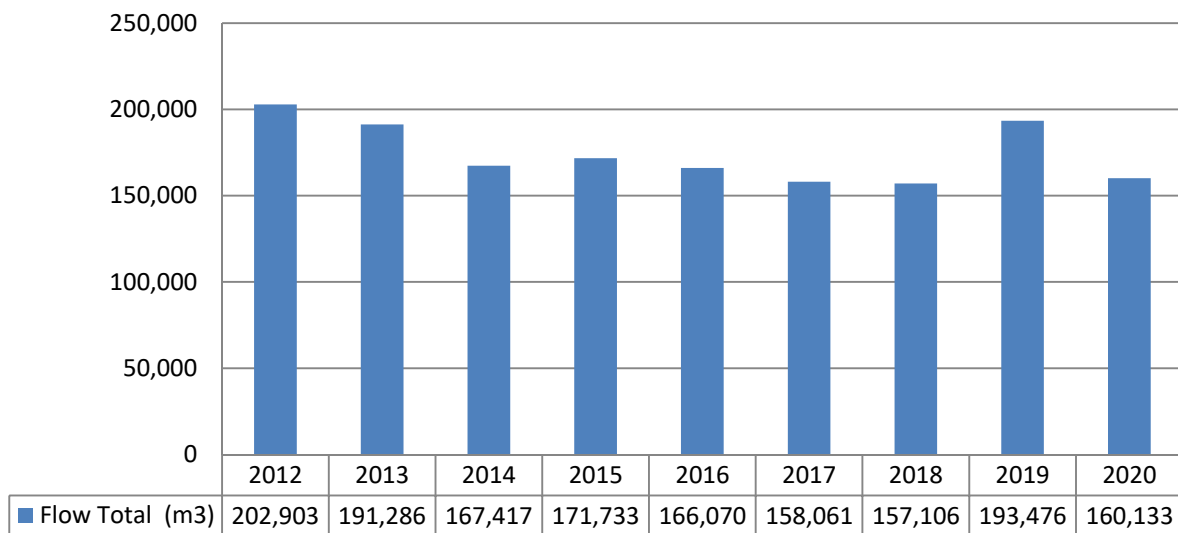
Winchester Well #6 - Treated Flows

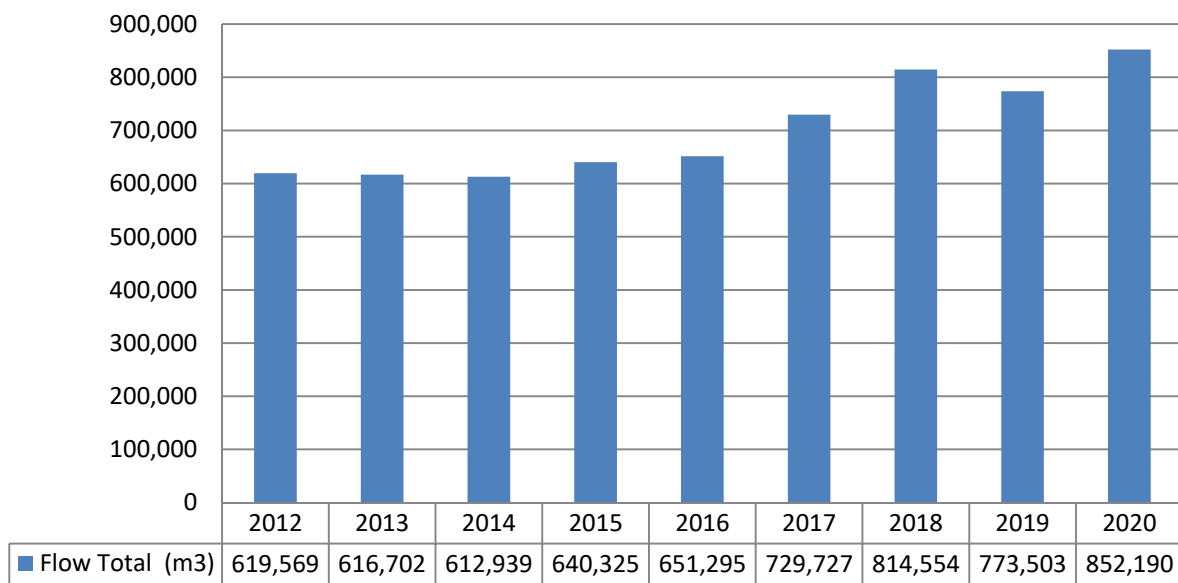
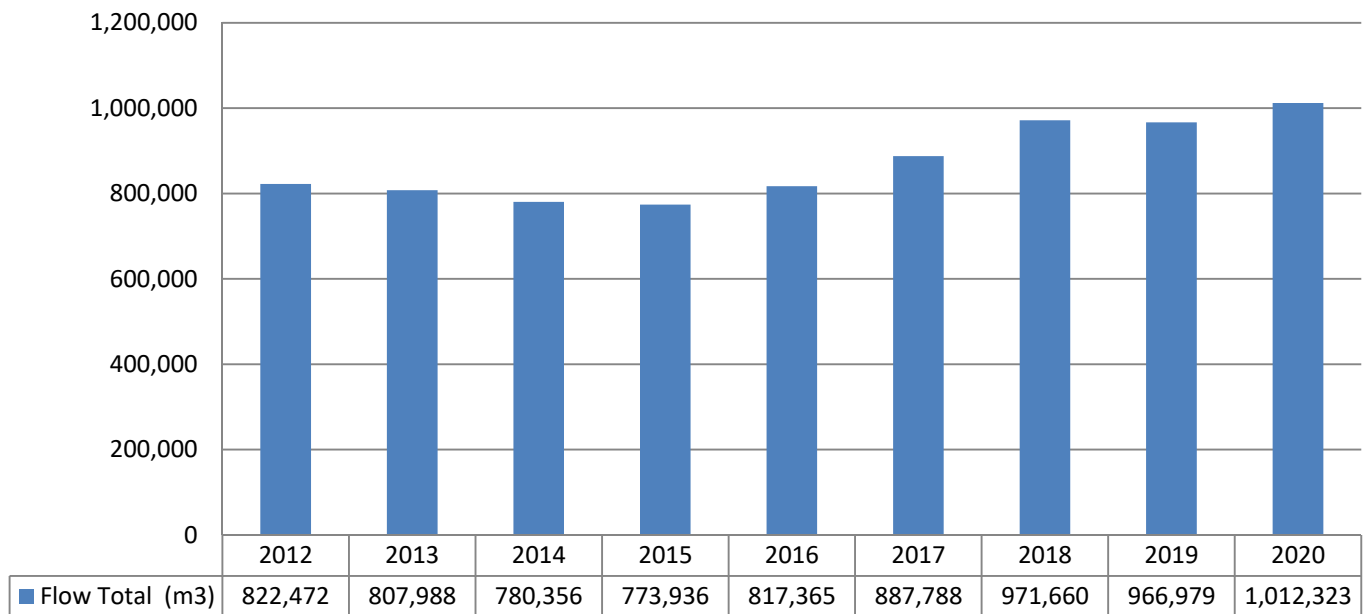
Rated Capacity - MDWL



Winchester Well Field #7 - Treated Flows

Rated Capacity - MDWL

Chesterville DWS - Annual Total Flow Comparison

Winchester DWS - Annual Total Flow ComparisonNorth Dundas DWS - Annual Total Flow Comparison

Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Range of HPC Results	
		Min	Max	Min	Max	Min	Max
Raw Water	413	0	0	1	0	n/a	n/a
Treated Water	260	0	0	0	0	0	79
Distribution Water	208	0	0	0	0	0	26

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW1 (WW1)	12	0.18	0.40
Turbidity, In-House (NTU) - RW2 (WW5)	12	0.10	0.51
Turbidity, In-House (NTU) - RW3 (WW6)	12	0.11	0.52
Turbidity, In-House (NTU) - RW4 (WW7A)	12	0.18	0.82
Turbidity, In-House (NTU) - RW5 (WW7B)	12	0.08	0.30
Turbidity, In-House (NTU) - RW6 (WW7C)	12	0.11	0.36
Turbidity, In-House (NTU) - RW8 (CW5)	12	0.07	0.45
Turbidity, In-House (NTU) - RW9 (CW6)	12	0.10	0.59
Free Chlorine Residual, On-Line (mg/L) - TW1 (CWRes)	8760	0.67	4.69
Free Chlorine Residual, On-Line (mg/L) - TW2 (WWRes)	8760	0.42	2.45
Free Chlorine Residual, On-Line (mg/L) - TW3 (WW5)	8760	0.34	5.00
Free Chlorine Residual, On-Line (mg/L) - TW4 (WW6)	8760	0.41	3.68
Free Chlorine Residual, On-Line (mg/L) - TW5 (WW7)	8760	0.59	5.00
Free Chlorine Residual, On-Line (mg/L) - DW1 (WW)	8760	0.53	2.60
Free Chlorine Residual, On-Line (mg/L) - DW3 (CW)	8760	0.38	3.47
Free Chlorine Residual, In-House (mg/L) - DW1 (WW)	52	0.63	1.78
Free Chlorine Residual, In-House (mg/L) - DW2 (WW)	52	0.60	1.84
Free Chlorine Residual, In-House (mg/L) - DW3 (CW)	52	0.81	1.50
Free Chlorine Residual, In-House (mg/L) - DW4 (CW)	52	0.57	1.67

NOTE: Spikes recorded by on-line instrumentation may result from 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 are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly and metals are tested every 36 months as required under O. Reg. 170/03. In the event any parameter exceeds half 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 detection level

**Note: 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.*

Chesterville Reservoir

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2018/01/22	0.09	6.0	No	No
Arsenic: As (ug/L) - TW	2018/01/22	1.1	10.0	No	No
Barium: Ba (ug/L) - TW	2018/01/22	131	1000.0	No	No
Boron: B (ug/L) - TW	2018/01/22	14	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2018/01/22	0.008	5.0	No	No
Chromium: Cr (ug/L) - TW	2018/01/22	0.10	50.0	No	No
Mercury: Hg (ug/L) - TW	2018/01/22	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2018/01/22	<MDL 0.04	50.0	No	No
Uranium: U (ug/L) - TW	2018/01/22	0.582	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2017/01/30	0.11	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/04/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/07/13	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/10/05	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	<MDL 0.006	10.0	No	No
Nitrate (mg/L) - TW	2020/04/08	<MDL 0.006	10.0	No	No
Nitrate (mg/L) - TW	2020/07/13	<MDL 0.006	10.0	No	No
Nitrate (mg/L) - TW	2020/10/05	0.013	10.0	No	No
Sodium: Na (mg/L) - TW	2017/01/30	34.3	20*	n/a	n/a

Winchester Reservoir

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2018/02/01	<MDL 0.02	6.0	No	No
Arsenic: As (ug/L) - TW	2018/02/01	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2018/02/01	112	1000.0	No	No
Boron: B (ug/L) - TW	2018/02/01	250	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2018/02/01	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2018/02/01	0.11	50.0	No	No
Mercury: Hg (ug/L) - TW	2018/02/01	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2018/02/01	<MDL 0.04	50.0	No	No
Uranium: U (ug/L) - TW	2018/02/01	0.526	20.0	No	No

Additional Inorganics					
Fluoride (mg/L) - TW	2017/02/06	0.14	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/04/02	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/07/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/10/02	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	1.48	10.0	No	No
Nitrate (mg/L) - TW	2020/04/02	<MDL 0.1	10.0	No	No
Nitrate (mg/L) - TW	2020/07/06	0.034	10.0	No	No
Nitrate (mg/L) - TW	2020/10/02	0.029	10.0	No	No
Sodium: Na (mg/L) - TW	2017/02/06	41.4	20*	n/a	n/a

Winchester Well #5

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2018/06/11	<MDL 0.02	6.0	No	No
Arsenic: As (ug/L) - TW	2018/06/11	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2018/06/11	99.7	1000.0	No	No
Boron: B (ug/L) - TW	2018/06/11	724	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2018/06/11	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2018/06/11	0.11	50.0	No	No
Mercury: Hg (ug/L) - TW	2018/06/11	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2018/06/11	<MDL 0.04	50.0	No	No
Uranium: U (ug/L) - TW	2018/06/11	0.047	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2017/02/06	0.28	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/04/02	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/07/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/10/02	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	2.84	10.0	No	No
Nitrate (mg/L) - TW	2020/04/02	<MDL 0.1	10.0	No	No
Nitrate (mg/L) - TW	2020/07/06	0.013	10.0	No	No
Nitrate (mg/L) - TW	2020/10/02	0.008	10.0	No	No
Sodium: Na (mg/L) - TW	2017/02/06	121	20*	n/a	n/a

Winchester Well #6

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2018/02/01	<MDL 0.02	6.0	No	No
Arsenic: As (ug/L) - TW	2018/02/01	<MDL 0.2	10.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Barium: Ba (ug/L) - TW	2018/02/01	59.8	1000.0	No	No
Boron: B (ug/L) - TW	2018/02/01	143	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2018/02/01	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2018/02/01	0.09	50.0	No	No
Mercury: Hg (ug/L) - TW	2018/02/01	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2018/02/01	<MDL 0.04	50.0	No	No
Uranium: U (ug/L) - TW	2018/02/01	1.26	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2017/02/06	0.26	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/04/02	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/07/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/10/02	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	0.044	10.0	No	No
Nitrate (mg/L) - TW	2020/04/02	<MDL 0.1	10.0	No	No
Nitrate (mg/L) - TW	2020/07/06	0.036	10.0	No	No
Nitrate (mg/L) - TW	2020/10/02	<MDL 0.006	10.0	No	No
Sodium: Na (mg/L) - TW	2017/02/06	16.8	20*	n/a	n/a

Winchester Well Field #7

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2018/02/01	<MDL 0.02	6.0	No	No
Arsenic: As (ug/L) - TW	2018/02/01	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2018/02/01	143	1000.0	No	No
Boron: B (ug/L) - TW	2018/02/01	31	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2018/02/01	0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2018/02/01	0.09	50.0	No	No
Mercury: Hg (ug/L) - TW	2018/02/01	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2018/02/01	0.05	50.0	No	No
Uranium: U (ug/L) - TW	2018/02/01	0.853	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2017/02/06	0.09	1.5	No	No
Nitrite (mg/L) - TW	2020/01/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/04/02	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2020/07/06	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2020/10/02	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2020/01/06	0.078	10.0	No	No
Nitrate (mg/L) - TW	2020/04/02	0.6	10.0	No	No
Nitrate (mg/L) - TW	2020/07/06	0.332	10.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Nitrate (mg/L) - TW	2020/10/02	0.381	10.0	No	No
Sodium: Na (mg/L) - TW	2017/02/06	8.42	20*	n/a	n/a

Schedule 15 Sampling:**Chesterville Distribution**

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

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	6	6	180	203	n/a	n/a
pH	6	6	7.59	7.98	n/a	n/a
Lead (ug/l)	2	2	0.42	0.53	10	0

Winchester Distribution

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

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	6	6	226	293	n/a	n/a
pH	6	6	7.12	8.00	n/a	n/a
Lead (ug/l)	2	2	0.03	0.27	10	0

Organic Parameters

These parameters are tested every 36 months as a requirement 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 detection level

Chesterville Reservoir

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2018/01/22	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2018/01/22	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2018/01/22	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2018/01/22	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2018/01/22	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2018/01/22	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2018/01/22	<MDL 0.05	90.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Carbofuran (ug/L) - TW	2018/01/22	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2018/01/22	<MDL 0.16	2.00	No	No
Chlorpyrifos (ug/L) - TW	2018/01/22	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2018/01/22	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2018/01/22	<MDL 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2018/01/22	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2018/01/22	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2018/01/22	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2018/01/22	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2018/01/22	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2018/01/22	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2018/01/22	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2018/01/22	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2018/01/22	<MDL 0.03	20.00	No	No
Diquat (ug/L) - TW	2018/01/22	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2018/01/22	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2018/01/22	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2018/01/22	<MDL 0.02	190.00	No	No
2-Methyl-4-Chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2018/01/22	<MDL 0.12	100.00	No	No
Metolachlor (ug/L) - TW	2018/01/22	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2018/01/22	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2018/01/22	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2018/01/22	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2018/01/22	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2018/01/22	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2018/01/22	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2018/01/22	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2018/01/22	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2018/01/22	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2018/01/22	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2018/01/22	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2018/01/22	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2018/01/22	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2018/01/22	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2018/01/22	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2018/01/22	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2018/01/22	<MDL 0.17	1.00	No	No

Winchester Reservoir

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2018/02/01	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2018/02/01	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2018/02/01	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2018/02/01	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2018/02/01	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2018/02/01	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2018/02/01	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2018/02/01	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2018/02/01	<MDL 0.16	2.00	No	No
Chlorpyrifos (ug/L) - TW	2018/02/01	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2018/02/01	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2018/02/01	<MDL 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2018/02/01	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2018/02/01	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2018/02/01	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2018/02/01	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2018/02/01	<MDL 0.03	20.00	No	No
Diquat (ug/L) - TW	2018/02/01	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2018/02/01	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2018/02/01	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2018/02/01	<MDL 0.02	190.00	No	No
2-Methyl-4-Chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2018/02/01	<MDL 0.12	100.00	No	No
Metolachlor (ug/L) - TW	2018/02/01	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2018/02/01	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2018/02/01	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2018/02/01	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2018/02/01	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2018/02/01	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2018/02/01	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2018/02/01	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2018/02/01	<MDL 0.01	10.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Terbufos (ug/L) - TW	2018/02/01	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2018/02/01	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2018/02/01	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2018/02/01	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2018/02/01	<MDL 0.17	1.00	No	No

Winchester Well #5

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2018/06/11	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2018/06/11	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2018/06/11	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2018/06/11	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2018/06/11	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2018/06/11	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2018/06/11	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2018/06/11	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2018/06/11	<MDL 0.16	2.00	No	No
Chlorpyrifos (ug/L) - TW	2018/06/11	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2018/06/11	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2018/06/11	<MDL 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2018/06/11	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2018/06/11	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2018/06/11	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2018/06/11	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2018/06/11	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2018/06/11	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2018/06/11	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2018/06/11	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2018/06/11	<MDL 0.03	20.00	No	No
Diquat (ug/L) - TW	2018/06/11	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2018/06/11	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2018/06/11	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2018/06/11	<MDL 0.02	190.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
2-Methyl-4-Chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2018/06/11	<MDL 0.12	100.00	No	No
Metolachlor (ug/L) - TW	2018/06/11	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2018/06/11	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2018/06/11	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2018/06/11	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2018/06/11	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2018/06/11	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2018/06/11	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2018/06/11	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2018/06/11	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2018/06/11	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2018/06/11	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2018/06/11	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2018/06/11	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2018/06/11	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2018/06/11	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2018/06/11	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2018/06/11	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2018/06/11	<MDL 0.17	1.00	No	No

Winchester Well #6

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2018/02/01	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2018/02/01	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2018/02/01	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2018/02/01	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2018/02/01	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2018/02/01	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2018/02/01	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2018/02/01	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2018/02/01	<MDL 0.16	2.00	No	No
Chlorpyrifos (ug/L) - TW	2018/02/01	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2018/02/01	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2018/02/01	<MDL 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2018/02/01	<MDL 0.35	5.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2018/02/01	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2018/02/01	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2018/02/01	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2018/02/01	<MDL 0.03	20.00	No	No
Diquat (ug/L) - TW	2018/02/01	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2018/02/01	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2018/02/01	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2018/02/01	<MDL 0.02	190.00	No	No
2-Methyl-4-Chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2018/02/01	<MDL 0.12	100.00	No	No
Metolachlor (ug/L) - TW	2018/02/01	0.12	50.00	No	No
Metribuzin (ug/L) - TW	2018/02/01	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2018/02/01	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2018/02/01	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2018/02/01	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2018/02/01	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2018/02/01	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2018/02/01	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2018/02/01	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2018/02/01	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2018/02/01	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2018/02/01	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2018/02/01	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2018/02/01	<MDL 0.17	1.00	No	No

Winchester Wellfield #7

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2018/02/01	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2018/02/01	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2018/02/01	<MDL 0.05	20.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Benzene (ug/L) - TW	2018/02/01	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2018/02/01	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2018/02/01	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2018/02/01	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2018/02/01	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2018/02/01	<MDL 0.16	2.00	No	No
Chlorpyrifos (ug/L) - TW	2018/02/01	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2018/02/01	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2018/02/01	<MDL 0.2	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2018/02/01	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2018/02/01	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2018/02/01	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2018/02/01	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2018/02/01	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2018/02/01	<MDL 0.03	20.00	No	No
Diquat (ug/L) - TW	2018/02/01	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2018/02/01	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2018/02/01	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2018/02/01	<MDL 0.02	190.00	No	No
2-Methyl-4-Chlorophenoxyacetic Acid (MCPA) (ug/L) - TW	2018/02/01	<MDL 0.12	100.00	No	No
Metolachlor (ug/L) - TW	2018/02/01	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2018/02/01	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2018/02/01	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2018/02/01	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2018/02/01	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2018/02/01	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2018/02/01	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2018/02/01	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2018/02/01	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2018/02/01	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2018/02/01	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2018/02/01	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2018/02/01	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2018/02/01	<MDL 0.44	5.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
2,4,6-Trichlorophenol (ug/L) - TW	2018/02/01	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2018/02/01	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2018/02/01	<MDL 0.17	1.00	No	No

Distribution samples are tested quarterly for THM's and HAA's in accordance with O. Reg. 170/03.

Chesterville Distribution

	Sample Year	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Distribution Water					
Trihalomethane (THM): Total (ug/L) Annual Average - DW	2020	22	100	No	No
Haloacetic Acid (HAA): Total (ug/L) Annual Average - DW	2020	5.3	80	No	No

Winchester Distribution

	Sample Year	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Distribution Water					
Trihalomethane (THM): Total (ug/L) Annual Average - DW	2020	14.35	100	No	No
Haloacetic Acid (HAA): Total (ug/L) Annual Average - DW	2020	5.3	80	No	No

Additional Legislated Samples

No additional sampling required.

Major Maintenance Summary

Description
- Performed camera inspection of Well #6 (Chesterville) - Replaced High Lift Pump #2 at Reservoir (Chesterville) - Replaced chlorine analyzer at Reservoir (Chesterville) - Purchased turbidity analyzer for Reservoir (Chesterville) - Cleaned and inspected Reservoir (Chesterville) - Replaced chlorine pumps at Well #5 & Well #6 (Winchester) - Recoated floor at Reservoir (Chesterville) - Swabbed transmission line from Well #5 to Reservoir (Chesterville) - Performed camera inspection of Well #7C (Winchester) - Installed standby diesel generator at Well #7 (Winchester) - Cleaned and inspected elevated tank (Winchester) - Installed pressure sensor at tower (Winchester) - Purchased spare High Lift for Reservoir (Winchester) - Rebuilt High Lift Pump #2 at Reservoir (Winchester) - Raised valve box on Spruit Road (Winchester) - Installed cathodic protection on Reservoir piping (Winchester) - Recoated floor at Well #5 (Winchester) - Emergency watermain repair at 572 Dufferin Street (Winchester) - Replaced flow meter and upgraded piping with insulation at Well #6 (Winchester) - Repaired/replaced curb stops and main valves (Chesterville & Winchester) - Purchased chlorine pump repair kits (Chesterville & Winchester) - Replaced 2 curb stops (Winchester) - Replaced 23 stand post rods and installed anodes (Chesterville & Winchester) - Rebuilt/repared 24 hydrants (Chesterville & Winchester) - Repainted all 236 hydrants (Chesterville & Winchester)

Appendix A

WTRS Submission Confirmation

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 3380-AC3QF9

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 3, 2021 1:33 PM

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KAYLEE SAAR | 2021/02/03
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 4175-9C3GPW

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 3, 2021 1:25 PM

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KAYLEE SAAR | 2021/02/03
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

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

Thank you for submitting your water taking data online.

Permit Number: 2181-838S8E

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 3, 2021 2:55 PM

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KAYLEE SAAR | 2021/02/03
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 0276-BMYKQT

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 4, 2021 1:20 PM

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KAYLEE SAAR | 2021/02/04
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 0088-9C3JG4

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 3, 2021 1:20 PM

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KAYLEE SAAR | 2021/02/03
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 0816-838SXR

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

Received on: Feb 3, 2021 2:57 PM

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KAYLEE SAAR | 2021/02/03
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 6328-BMYJUS

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH DUNDAS.

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KAYLEE SAAR | 2021/02/03
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