



Mississippi
Mills

MISSISSIPPI MILLS DRINKING WATER SYSTEM

2014 SUMMARY REPORT FOR MUNICIPALITIES

Schedule 22 of O. Reg. 170/03

&

Section 11 of O. Reg. 170/03

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Annual Record of Water Taking of O. Reg. 387/04



**Ontario Clean Water Agency
Agence Ontarienne Des Eaux**

Foreword

This document contains three different annual reports required for the Mississippi Mills (Almonte) Drinking Water System:

These reports are the:

- Section 11 Annual Report as per section 11 of Ontario Regulation 170/03
- Summary Report as per Schedule 22 of the Ontario Regulation 170/03
- Summary of the raw water taking that were submitted to the Ministry of the Environment under the Ontario Regulation 387/04 (Water Taking and Transfer)

Section 12 of O. Reg. 170/03 requires both the Summary Report and the Annual Report be made available for inspection by any member of the public during normal business hours, without charge. These reports are to be made available for inspection at the office of the municipality.

Section 11 Report

As per

O. Reg. 170/03



Drinking-Water Systems Regulation O. Reg. 170/03 Section 11 Annual Report

System Information

Drinking-Water System Name:	Mississippi Mills Drinking Water System
Drinking-Water System Number:	220001290
Drinking-Water System Owner:	The Corporation of the Town of Mississippi Mills
Operating Authority:	Ontario Clean Water Agency
Drinking-Water System Category:	Large, municipal, residential
Period being reported:	January 01 – December 31, 2014

Summary Report (170/03 Schedule 22) will be available for inspection at:

**Town of Mississippi Mills
 Municipal Office
 3131 Old Perth Rd.
 Almonte, Ontario.
 K0A 1A0
www.mississippimills.ca**

List all Drinking Water Systems which receive all of their drinking water from your system:

Name	Drinking Water System Number
No other system receives water from the Mississippi Mills Drinking Water System.	

Provide a brief description of the system:

The Mississippi Mills Drinking Water System is a ground water system consisting of five (5) non-GUDI* wells. Sodium hypochlorite is used for disinfection.

* GUDI – Ground water Under the Direct Influence of surface water

Does your Drinking-Water System serve more than 10,000 people?

YES NO

If yes, is your annual report available to the public at no charge on a web site on the internet?

YES NO

Indicate how you notified system users that your annual report is available, and is free of charge?

- Public access/notice via the web**
- Public access/notice via Government Office**
- Public access/notice via a newspaper**
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method: _____

Water Treatment Chemicals were used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Brenntag

Summary of any reports made to the Ministry under subsection 18 (1) of the Act or section 16-4 of Schedule 16 and reported to Spills Action Centre:

Date: 2014	AWQI #	Parameter	Results	Units of Measure	Corrective Action	Date of Corrective Action
N/A						

Regulatory Sample Results Summary

Operational Testing (170/03, Sch.7, Sch.8 or Sch.9):

Parameter	Location	Number of Grab Samples	Results	
			Range (min-max)	Average
Raw Water Turbidity (NTU)	Well 3	8760	0.03 – 2.0	0.346
	Well 5	8760	0.03 – 2.0	0.733
	Well 6	8760	0.03 – 1.96	0.945
	Well 7	8760	0.02 – 2.0	0.181
	Well 8	8760	0.03 – 1.84	0.148
Treated Water Free Chlorine Residual (mg/L)	Well 3	8760	0.49 – 1.27	0.949
	Well 5	8760	0.28 – 2.0	0.906
	Well 6	8760	0.41 – 1.4	0.94
	Well 7&8 Combined	8760	0.43 – 1.29	0.948
Distribution Free Chlorine Residual (mg/L)	Gemmill's Bay PS	8760	0.31 – 1.51	0.76
	Various locations throughout the distribution system	188	0.35 – 1.63	0.86

NOTE: 8760 denotes results from continuous monitors
 ND = not detectable

Microbiological Testing (170/03, Sch.10, Sch.11 or Sch.12):

Location	Number of Samples	Range of E. Coli Results (min #) - (max #)	Range of Total Coliform Results (min #) - (max #)	Number of HPC Samples	Range of HPC Results (min #) - (max #)
Raw - RW3	52	0 - 0	0 - 0		
Raw - RW5	52	0 - 0	0 - 0		
Raw - RW6	52	0 - 0	0 - 0		
Raw - RW7	52	0 - 0	0 - 0		
Raw - RW8	52	0 - 0	0 - 0		
Treated - TW3	52	0 - 0	0 - 0	52	0 - 4
Treated - TW5	52	0 - 0	0 - 0	52	0 - 4
Treated - TW6	52	0 - 0	0 - 0	52	0 - 3
Treated - TW7	0			0	
Treated - TW78	52	0 - 0	0 - 0	52	0 - 5
Treated - TW8	0			0	
Distribution - DW	182	0 - 0	0 - 0	67	0 - 11

E-Coli & Total Coliform results are reported in cfu/100 mL
 HPC (Heterotrophic Plate Count) results are reported in cfu/1 mL
 cfu = colony forming unit

Summary of organic and inorganic parameters tested or most recent sample result:

Parameter	Sample Date	Sample Result	Exceedance
Antimony: Sb (ug/L) - TW3	2012/07/17	< 0.50	No
Antimony: Sb (ug/L) - TW5	2012/07/17	< 0.50	No
Antimony: Sb (ug/L) - TW6	2012/10/15	< 0.50	No
Antimony: Sb (ug/L) - TW78	2012/07/17	< 0.50	No
Arsenic: As (ug/L) - TW3	2012/07/17	< 1.00	No
Arsenic: As (ug/L) - TW5	2012/07/17	< 1.00	No
Arsenic: As (ug/L) - TW6	2012/10/15	< 1.00	No
Arsenic: As (ug/L) - TW78	2012/07/17	< 1.00	No
Barium: Ba (ug/L) - TW3	2012/07/17	120.00	No
Barium: Ba (ug/L) - TW5	2012/07/17	170.00	No
Barium: Ba (ug/L) - TW6	2012/10/15	100.00	No
Barium: Ba (ug/L) - TW78	2012/07/17	160.00	No
Boron: B (ug/L) - TW3	2012/07/17	240.00	No
Boron: B (ug/L) - TW5	2012/07/17	50.00	No
Boron: B (ug/L) - TW6	2012/10/15	220.00	No
Boron: B (ug/L) - TW78	2012/07/17	180.00	No
Cadmium: Cd (ug/L) - TW3	2012/07/17	< 0.10	No
Cadmium: Cd (ug/L) - TW5	2012/07/17	< 0.10	No
Cadmium: Cd (ug/L) - TW6	2012/10/15	< 0.10	No
Cadmium: Cd (ug/L) - TW78	2012/07/17	< 0.10	No
Chromium: Cr (ug/L) - TW3	2012/07/17	3.00	No
Chromium: Cr (ug/L) - TW5	2012/07/17	4.00	No
Chromium: Cr (ug/L) - TW6	2012/10/15	2.00	No
Chromium: Cr (ug/L) - TW78	2012/07/17	2.00	No
Lead: Pb (ug/L) -	Please refer to lead sampling table below.		
Mercury: Hg (ug/L) - TW3	2012/07/17	< 0.10	No
Mercury: Hg (ug/L) - TW5	2012/07/17	< 0.10	No
Mercury: Hg (ug/L) - TW6	2012/10/15	< 0.10	No
Mercury: Hg (ug/L) - TW78	2012/07/17	< 0.10	No
Selenium: Se (ug/L) - TW3	2012/07/17	< 1.00	No
Selenium: Se (ug/L) - TW5	2012/07/17	< 1.00	No
Selenium: Se (ug/L) - TW6	2012/10/15	< 1.00	No
Selenium: Se (ug/L) - TW78	2012/07/17	< 10.00	No
Sodium: Na (mg/L) - TW3	2013/07/15	44.00	Yes
Sodium: Na (mg/L) - TW5	2013/07/15	57.00	Yes
Sodium: Na (mg/L) - TW78	2013/07/15	40.00	Yes
Sodium: Na (mg/L) - TW3 - resample	2013/07/22	41.00	Yes
Sodium: Na (mg/L) - TW5 - resample	2013/07/22	55.00	Yes
Sodium: Na (mg/L) - TW6	2010/02/22	52.00	Yes

Sodium: Na (mg/L) - TW78 - resample	2013/07/22	39.00	Yes
Uranium: U (ug/L) - TW3	2012/07/17	< 1.00	No
Uranium: U (ug/L) - TW5	2012/07/17	< 1.00	No
Uranium: U (ug/L) - TW6	2012/10/15	< 1.00	No
Uranium: U (ug/L) - TW78	2012/07/17	< 1.00	No
Fluoride Residual: Mean (mg/L) - TW3	2012/04/10	0.29	No
Fluoride Residual: Mean (mg/L) - TW5	2012/04/10	0.19	No
Fluoride Residual: Mean (mg/L) - TW6	2012/04/10	0.41	No
Fluoride Residual: Mean (mg/L) - TW78	2012/04/10	0.33	No
Nitrite (mg/L) - TW3	2014/01/07	< 0.10	No
Nitrite (mg/L) - TW3	2014/04/15	< 0.10	No
Nitrite (mg/L) - TW3	2014/07/08	< 0.10	No
Nitrite (mg/L) - TW3	2014/10/07	< 0.10	No
Nitrite (mg/L) - TW5	2014/01/07	< 0.10	No
Nitrite (mg/L) - TW5	2014/04/15	< 0.10	No
Nitrite (mg/L) - TW5	2014/07/08	< 0.10	No
Nitrite (mg/L) - TW5	2014/10/07	< 0.10	No
Nitrite (mg/L) - TW6	2014/01/07	< 0.10	No
Nitrite (mg/L) - TW6	2014/04/15	< 0.10	No
Nitrite (mg/L) - TW6	2014/07/08	< 0.10	No
Nitrite (mg/L) - TW6	2014/10/07	< 0.10	No
Nitrite (mg/L) - TW78	2014/01/07	< 0.10	No
Nitrite (mg/L) - TW78	2014/04/15	< 0.10	No
Nitrite (mg/L) - TW78	2014/07/08	< 0.10	No
Nitrite (mg/L) - TW78	2014/10/07	< 0.10	No
Nitrate (mg/L) - TW3	2014/01/07	0.55	No
Nitrate (mg/L) - TW3	2014/04/15	0.13	No
Nitrate (mg/L) - TW3	2014/07/08	0.24	No
Nitrate (mg/L) - TW3	2014/10/07	0.56	No
Nitrate (mg/L) - TW5	2014/01/07	0.52	No
Nitrate (mg/L) - TW5	2014/04/15	0.50	No
Nitrate (mg/L) - TW5	2014/07/08	0.38	No
Nitrate (mg/L) - TW5	2014/10/07	0.36	No
Nitrate (mg/L) - TW6	2014/01/07	0.89	No
Nitrate (mg/L) - TW6	2014/04/15	0.46	No
Nitrate (mg/L) - TW6	2014/07/08	0.48	No
Nitrate (mg/L) - TW6	2014/10/07	0.89	No
Nitrate (mg/L) - TW78	2014/01/07	1.25	No
Nitrate (mg/L) - TW78	2014/04/15	0.84	No
Nitrate (mg/L) - TW78	2014/07/08	2.10	No
Nitrate (mg/L) - TW78	2014/10/07	1.02	No

Parameter	Sample Date	Result Value	Exceedance
Alachlor (ug/L) - TW3	2012/07/17	< 0.50	No
Alachlor (ug/L) - TW5	2012/07/17	< 0.50	No
Alachlor (ug/L) - TW6	2012/10/15	< 0.50	No
Alachlor (ug/L) - TW78	2012/07/17	< 0.50	No
Aldicarb (ug/L) - TW3	2012/07/17	< 9.00	No
Aldicarb (ug/L) - TW5	2012/07/17	< 9.00	No
Aldicarb (ug/L) - TW6	2012/10/15	< 9.00	No
Aldicarb (ug/L) - TW78	2012/07/17	< 9.00	No
Aldrin + Dieldrin (ug/L) - TW3	2012/07/17	< 0.010	No
Aldrin + Dieldrin (ug/L) - TW5	2012/07/17	< 0.010	No
Aldrin + Dieldrin (ug/L) - TW6	2012/10/15	< 0.010	No
Aldrin + Dieldrin (ug/L) - TW78	2012/07/17	< 0.010	No
Atrazine + N-dealkylated metabolites (ug/L) - TW3	2012/07/17	< 0.20	No
Atrazine + N-dealkylated metabolites (ug/L) - TW5	2012/07/17	< 0.20	No
Atrazine + N-dealkylated metabolites (ug/L) - TW6	2012/10/15	< 0.20	No
Atrazine + N-dealkylated metabolites (ug/L) - TW78	2012/07/17	< 0.20	No
Azinphos-methyl (ug/L) - TW3	2012/07/17	< 2.00	No
Azinphos-methyl (ug/L) - TW5	2012/07/17	< 2.00	No
Azinphos-methyl (ug/L) - TW6	2012/10/15	< 2.00	No
Azinphos-methyl (ug/L) - TW78	2012/07/17	< 2.00	No
Bendiocarb (ug/L) - TW3	2012/07/17	< 2.00	No
Bendiocarb (ug/L) - TW5	2012/07/17	< 2.00	No
Bendiocarb (ug/L) - TW6	2012/10/15	< 2.00	No
Bendiocarb (ug/L) - TW78	2012/07/17	< 2.00	No
Benzene (ug/L) - TW3	2012/07/17	< 0.50	No
Benzene (ug/L) - TW5	2012/07/17	< 0.50	No
Benzene (ug/L) - TW6	2012/10/15	< 0.50	No
Benzene (ug/L) - TW78	2012/07/17	< 0.50	No
Benzo(a)pyrene (ug/L) - TW3	2012/07/17	< 0.010	No
Benzo(a)pyrene (ug/L) - TW5	2012/07/17	< 0.010	No
Benzo(a)pyrene (ug/L) - TW6	2012/10/15	< 0.010	No
Benzo(a)pyrene (ug/L) - TW78	2012/07/17	< 0.010	No
Bromoxynil (ug/L) - TW3	2012/07/17	< 0.50	No
Bromoxynil (ug/L) - TW5	2012/07/17	< 0.50	No
Bromoxynil (ug/L) - TW6	2012/10/15	< 0.50	No
Bromoxynil (ug/L) - TW78	2012/07/17	< 0.50	No
Carbaryl (ug/L) - TW3	2012/07/17	< 5.00	No
Carbaryl (ug/L) - TW5	2012/07/17	< 5.00	No

Carbaryl (ug/L) - TW6	2012/10/15	< 5.00	No
Carbaryl (ug/L) - TW78	2012/07/17	< 5.00	No
Carbofuran (ug/L) - TW3	2012/07/17	< 5.00	No
Carbofuran (ug/L) - TW5	2012/07/17	< 5.00	No
Carbofuran (ug/L) - TW6	2012/10/15	< 5.00	No
Carbofuran (ug/L) - TW78	2012/07/17	< 5.00	No
Carbon Tetrachloride (ug/L) - TW3	2012/07/17	< 0.20	No
Carbon Tetrachloride (ug/L) - TW5	2012/07/17	< 0.20	No
Carbon Tetrachloride (ug/L) - TW6	2012/10/15	< 0.20	No
Carbon Tetrachloride (ug/L) - TW78	2012/07/17	< 0.20	No
Chlordane:Total (ug/L) - TW3	2012/07/17	< 0.020	No
Chlordane:Total (ug/L) - TW5	2012/07/17	< 0.020	No
Chlordane:Total (ug/L) - TW6	2012/10/15	< 0.020	No
Chlordane:Total (ug/L) - TW78	2012/07/17	< 0.020	No
Chlorpyrifos (ug/L) - TW3	2012/07/17	< 1.00	No
Chlorpyrifos (ug/L) - TW5	2012/07/17	< 1.00	No
Chlorpyrifos (ug/L) - TW6	2012/10/15	< 1.00	No
Chlorpyrifos (ug/L) - TW78	2012/07/17	< 1.00	No
Cyanazine (ug/L) - TW3	2012/07/17	< 1.00	No
Cyanazine (ug/L) - TW5	2012/07/17	< 1.00	No
Cyanazine (ug/L) - TW6	2012/10/15	< 1.00	No
Cyanazine (ug/L) - TW78	2012/07/17	< 1.00	No
Diazinon (ug/L) - TW3	2012/07/17	< 1.00	No
Diazinon (ug/L) - TW5	2012/07/17	< 1.00	No
Diazinon (ug/L) - TW6	2012/10/15	< 1.00	No
Diazinon (ug/L) - TW78	2012/07/17	< 1.00	No
Dicamba (ug/L) - TW3	2012/07/17	< 1.00	No
Dicamba (ug/L) - TW5	2012/07/17	< 1.00	No
Dicamba (ug/L) - TW6	2012/10/15	< 1.00	No
Dicamba (ug/L) - TW78	2012/07/17	< 1.00	No
1,2-Dichlorobenzene (ug/L) - TW3	2012/07/17	< 0.40	No
1,2-Dichlorobenzene (ug/L) - TW5	2012/07/17	< 0.40	No
1,2-Dichlorobenzene (ug/L) - TW6	2012/10/15	< 0.40	No
1,2-Dichlorobenzene (ug/L) - TW78	2012/07/17	< 0.40	No
1,4-Dichlorobenzene (ug/L) - TW3	2012/07/17	< 0.40	No
1,4-Dichlorobenzene (ug/L) - TW5	2012/07/17	< 0.40	No
1,4-Dichlorobenzene (ug/L) - TW6	2012/10/15	< 0.40	No
1,4-Dichlorobenzene (ug/L) - TW78	2012/07/17	< 0.40	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW3	2012/07/17	< 0.020	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW5	2012/07/17	< 0.020	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW6	2012/10/15	< 0.020	No

Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW78	2012/07/17	< 0.020	No
1,2-Dichloroethane (ug/L) - TW3	2012/07/17	< 0.20	No
1,2-Dichloroethane (ug/L) - TW5	2012/07/17	< 0.20	No
1,2-Dichloroethane (ug/L) - TW6	2012/10/15	< 0.20	No
1,2-Dichloroethane (ug/L) - TW78	2012/07/17	< 0.20	No
1,1-Dichloroethylene (ug/L) - TW3	2012/07/17	< 0.50	No
1,1-Dichloroethylene (ug/L) - TW5	2012/07/17	< 0.50	No
1,1-Dichloroethylene (ug/L) - TW6	2012/10/15	< 0.50	No
1,1-Dichloroethylene (ug/L) - TW78	2012/07/17	< 0.50	No
Dichloromethane (ug/L) - TW3	2012/07/17	< 4.00	No
Dichloromethane (ug/L) - TW5	2012/07/17	< 4.00	No
Dichloromethane (ug/L) - TW6	2012/10/15	< 4.00	No
Dichloromethane (ug/L) - TW78	2012/07/17	< 4.00	No
2,4-Dichlorophenol (ug/L) - TW3	2012/07/17	< 0.50	No
2,4-Dichlorophenol (ug/L) - TW5	2012/07/17	< 0.50	No
2,4-Dichlorophenol (ug/L) - TW6	2012/10/15	< 0.50	No
2,4-Dichlorophenol (ug/L) - TW78	2012/07/17	< 0.50	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW3	2012/07/17	< 1.00	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW5	2012/07/17	< 1.00	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW6	2012/10/15	< 1.00	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW78	2012/07/17	< 1.00	No
Diclofop-methyl (ug/L) - TW3	2012/07/17	< 0.90	No
Diclofop-methyl (ug/L) - TW5	2012/07/17	< 0.90	No
Diclofop-methyl (ug/L) - TW6	2012/10/15	< 0.90	No
Diclofop-methyl (ug/L) - TW78	2012/07/17	< 0.90	No
Dimethoate (ug/L) - TW3	2012/07/17	< 2.50	No
Dimethoate (ug/L) - TW5	2012/07/17	< 2.50	No
Dimethoate (ug/L) - TW6	2012/10/15	< 2.50	No
Dimethoate (ug/L) - TW78	2012/07/17	< 2.50	No
Dinoseb (ug/L) - TW3	2012/07/17	< 1.00	No
Dinoseb (ug/L) - TW5	2012/07/17	< 1.00	No
Dinoseb (ug/L) - TW6	2012/10/15	< 1.00	No
Dinoseb (ug/L) - TW78	2012/07/17	< 1.00	No
Diquat (ug/L) - TW3	2012/07/17	< 5.00	No
Diquat (ug/L) - TW5	2012/07/17	< 5.00	No
Diquat (ug/L) - TW6	2012/10/15	< 5.00	No
Diquat (ug/L) - TW78	2012/07/17	< 5.00	No
Diuron (ug/L) - TW3	2012/07/17	< 10.00	No
Diuron (ug/L) - TW5	2012/07/17	< 10.00	No
Diuron (ug/L) - TW6	2012/10/15	< 10.00	No

Diuron (ug/L) - TW78	2012/07/17	< 10.00	No
Glyphosate (ug/L) - TW3	2012/07/17	< 10.00	No
Glyphosate (ug/L) - TW5	2012/07/17	< 10.00	No
Glyphosate (ug/L) - TW6	2012/10/15	< 10.00	No
Glyphosate (ug/L) - TW78	2012/07/17	< 10.00	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW3	2012/07/17	< 0.010	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW5	2012/07/17	< 0.010	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW6	2012/10/15	< 0.010	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW78	2012/07/17	< 0.010	No
Lindane: (ug/L) - TW3	2012/07/17	< 0.010	No
Lindane: (ug/L) - TW5	2012/07/17	< 0.010	No
Lindane: (ug/L) - TW6	2012/10/15	< 0.010	No
Lindane: (ug/L) - TW78	2012/07/17	< 0.010	No
Malathion (ug/L) - TW3	2012/07/17	< 5.00	No
Malathion (ug/L) - TW5	2012/07/17	< 5.00	No
Malathion (ug/L) - TW6	2012/10/15	< 5.00	No
Malathion (ug/L) - TW78	2012/07/17	< 5.00	No
Methoxychlor (ug/L) - TW3	2012/07/17	< 0.010	No
Methoxychlor (ug/L) - TW5	2012/07/17	< 0.010	No
Methoxychlor (ug/L) - TW6	2012/10/15	< 0.010	No
Methoxychlor (ug/L) - TW78	2012/07/17	< 0.010	No
Metolachlor (ug/L) - TW3	2012/07/17	< 0.50	No
Metolachlor (ug/L) - TW5	2012/07/17	< 0.50	No
Metolachlor (ug/L) - TW6	2012/10/15	< 0.50	No
Metolachlor (ug/L) - TW78	2012/07/17	< 0.50	No
Metribuzin (ug/L) - TW3	2012/07/17	< 5.00	No
Metribuzin (ug/L) - TW5	2012/07/17	< 5.00	No
Metribuzin (ug/L) - TW6	2012/10/15	< 5.00	No
Metribuzin (ug/L) - TW78	2012/07/17	< 5.00	No
Monochlorobenzene (ug/L) - TW3	2012/07/17	< 0.20	No
Monochlorobenzene (ug/L) - TW5	2012/07/17	< 0.20	No
Monochlorobenzene (ug/L) - TW6	2012/10/15	< 0.20	No
Monochlorobenzene (ug/L) - TW78	2012/07/17	< 0.20	No
Paraquat (ug/L) - TW3	2012/07/17	< 5.00	No
Paraquat (ug/L) - TW5	2012/07/17	< 5.00	No
Paraquat (ug/L) - TW6	2012/10/15	< 5.00	No
Paraquat (ug/L) - TW78	2012/07/17	< 5.00	No
Parathion (ug/L) - TW3	2012/07/17	< 1.00	No
Parathion (ug/L) - TW5	2012/07/17	< 1.00	No
Parathion (ug/L) - TW6	2012/10/15	< 1.00	No

Parathion (ug/L) - TW78	2012/07/17	< 1.00	No
Pentachlorophenol (ug/L) - TW3	2012/07/17	< 0.50	No
Pentachlorophenol (ug/L) - TW5	2012/07/17	< 0.50	No
Pentachlorophenol (ug/L) - TW6	2012/10/15	< 0.50	No
Pentachlorophenol (ug/L) - TW78	2012/07/17	< 0.50	No
Phorate (ug/L) - TW3	2012/07/17	< 0.50	No
Phorate (ug/L) - TW5	2012/07/17	< 0.50	No
Phorate (ug/L) - TW6	2012/10/15	< 0.50	No
Phorate (ug/L) - TW78	2012/07/17	< 0.50	No
Picloram (ug/L) - TW3	2012/07/17	< 5.00	No
Picloram (ug/L) - TW5	2012/07/17	< 5.00	No
Picloram (ug/L) - TW6	2012/10/15	< 5.00	No
Picloram (ug/L) - TW78	2012/07/17	< 5.00	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW3	2012/07/17	< 0.10	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW5	2012/07/17	< 0.10	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW6	2012/10/15	< 0.10	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW78	2012/07/17	< 0.10	No
Prometryne (ug/L) - TW3	2012/07/17	< 0.25	No
Prometryne (ug/L) - TW5	2012/07/17	< 0.25	No
Prometryne (ug/L) - TW6	2012/10/15	< 0.25	No
Prometryne (ug/L) - TW78	2012/07/17	< 0.25	No
Simazine (ug/L) - TW3	2012/07/17	< 1.00	No
Simazine (ug/L) - TW5	2012/07/17	< 1.00	No
Simazine (ug/L) - TW6	2012/10/15	< 1.00	No
Simazine (ug/L) - TW78	2012/07/17	< 1.00	No
THM (ug/L) - DW	2014	12.25	No
Temephos (ug/L) - TW3	2012/07/17	< 10.00	No
Temephos (ug/L) - TW5	2012/07/17	< 10.00	No
Temephos (ug/L) - TW6	2012/10/15	< 10.00	No
Temephos (ug/L) - TW78	2012/07/17	< 10.00	No
Terbufos (ug/L) - TW3	2012/07/17	< 0.40	No
Terbufos (ug/L) - TW5	2012/07/17	< 0.40	No
Terbufos (ug/L) - TW6	2012/10/15	< 0.40	No
Terbufos (ug/L) - TW78	2012/07/17	< 0.40	No
Tetrachloroethylene (ug/L) - TW3	2012/07/17	< 0.30	No
Tetrachloroethylene (ug/L) - TW5	2012/07/17	< 0.30	No
Tetrachloroethylene (ug/L) - TW6	2012/10/15	< 0.30	No
Tetrachloroethylene (ug/L) - TW78	2012/07/17	< 0.30	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW3	2012/07/17	< 0.50	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW5	2012/07/17	< 0.50	No

2,3,4,6-Tetrachlorophenol (ug/L) - TW6	2012/10/15	< 0.50	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW78	2012/07/17	< 0.50	No
Triallate (ug/L) - TW3	2012/07/17	< 1.00	No
Triallate (ug/L) - TW5	2012/07/17	< 1.00	No
Triallate (ug/L) - TW6	2012/10/15	< 1.00	No
Triallate (ug/L) - TW78	2012/07/17	< 1.00	No
Trichloroethylene (ug/L) - TW3	2012/07/17	< 0.30	No
Trichloroethylene (ug/L) - TW5	2012/07/17	< 0.30	No
Trichloroethylene (ug/L) - TW6	2012/10/15	< 0.30	No
Trichloroethylene (ug/L) - TW78	2012/07/17	< 0.30	No
2,4,6-Trichlorophenol (ug/L) - TW3	2012/07/17	< 0.50	No
2,4,6-Trichlorophenol (ug/L) - TW5	2012/07/17	< 0.50	No
2,4,6-Trichlorophenol (ug/L) - TW6	2012/10/15	< 0.50	No
2,4,6-Trichlorophenol (ug/L) - TW78	2012/07/17	< 0.50	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW3	2012/07/17	< 1.00	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW5	2012/07/17	< 1.00	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW6	2012/10/15	< 1.00	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW78	2012/07/17	< 1.00	No
Trifluralin (ug/L) - TW3	2012/07/17	< 0.40	No
Trifluralin (ug/L) - TW5	2012/07/17	< 0.40	No
Trifluralin (ug/L) - TW6	2012/10/15	< 0.40	No
Trifluralin (ug/L) - TW78	2012/07/17	< 0.40	No
Vinyl Chloride (ug/L) - TW3	2012/07/17	< 0.20	No
Vinyl Chloride (ug/L) - TW5	2012/07/17	< 0.20	No
Vinyl Chloride (ug/L) - TW6	2012/10/15	< 0.20	No
Vinyl Chloride (ug/L) - TW78	2012/07/17	< 0.20	No

Distribution System: Lead Sampling:

Sample collection window: December 15, 2010 to April 15, 2011

Location	# of samples collected	Lead Results (mg/L)		pH Results (min. - max)	Alkalinity (mg/L) (min. - max)
		(min. - max)	Exceedance		
Residential Plumbing	40	<0.001 – 0.002	No	7.47 – 8.10	Not applicable
Non-Residential Plumbing	3	<0.001 – 0.002	No	7.33 – 7.51	Not applicable
Distribution Water	3	<0.001 – 0.002	No	7.46 – 7.76	312 - 332

Sample collection window: June 15, 2011 to October 15, 2011.

Location	# of samples collected	Lead Results (mg/L)		pH Results (min. - max)	Alkalinity (mg/L) (min. - max)
		(min. - max)	Exceedance		
Residential Plumbing	40	<0.001 – 0.022	One Exceedance	6.99 – 7.85	Not applicable
Non-Residential Plumbing	2	<0.001 – 0.001	No	7.06 – 7.56	Not applicable
Distribution Water	3	<0.001 – 0.001	No	7.09 – 7.54	306 - 315

Please note: this drinking water system has qualified for the lead sampling exemption offered by the Regulation. Under this exemption, lead samples are collected from the distribution system only.

Location: Distribution System	# of samples collected	pH Results (min. - max)	Alkalinity (mg/L) (min. - max)	Lead Results (mg/L)
December 15, 2013 to April 15, 2014	3	7.31 – 7.37	292 - 300	< 0.001 – 0.001
June 15, 2014 to October 15, 2014	3	7.65 – 7.82	287 - 298	< 0.001 – 0.002

Summary of additional samples:

Treated Water Parameter	Units	Well 3		Well 5		Well 6		Well 7&8*		ODWQS	
		Range	Avg.	Range	Avg.	Range	Avg.	Range	Avg.	AO	OG
Alkalinity	mg/L	289 - 298	293	305 - 322	312	271 - 279	276	288 - 289	294		30 - 300
Colour	TCU	<2.0 - <2.0	<2.0	<2.0 - <2.0	<2.0	<2.0 - <3.0	<2.2	<2.0 - <2.0	<2.0	5	
Total Hardness	mg/L	368 - 415	389	387 - 413	401	396 - 415	406	338 - 406	376		80 - 100
pH	N/A	7.61 - 7.84	7.75	7.63 - 7.95	7.72	7.75 - 7.93	7.84	7.10 - 7.87	7.81		6.5 - 8.5
TDS	mg/L	510 - 680	600	450 - 680	585	550 - 690	625	490 - 780	608	500	
Chloride	mg/L	53 - 71	66	112 - 135	124	52 - 69	62	59 - 94	73	250	
Conductivity	uS/cm	833 - 908	883	980 - 1080	1035	886 - 947	907	834 - 903	873	Measured during TDS testing.	
Calcium	mg/L	103 - 115	109	99 - 106	103	101 - 105	103	94 - 113	105	Measured during hardness testing.	
Magnesium	mg/L	27 - 31	29	34 - 36	35	35 - 37	36	25 - 30	28		
In-house pH		6.75 - 7.68	7.29	6.96 - 7.66	7.34	6.98 - 7.7	7.36	6.79 - 7.76	7.39	6.5 - 8.5	
In-house Temp	°C	7.7 - 13.8	10	4.4 - 16.1	10	7.7 - 17.3	10.7	7.2 - 20	10.4	Not applicable	

TCU: True Colour Units

ODWQS: Ontario Drinking Water Quality Standards

TDS: Total Dissolved Solids

AO: Aesthetic Objective

OG: Aesthetic Guideline

Summary of additional samples Well 5:

The two following tables are the sample results from additional sample collected at Well 5:

The first table contains the results of sample collected because the area had once housed transformers. Please note the samples are collected on raw water. There is no MAC / IMAC (Maximum Acceptable Concentration / Interim Maximum Acceptable Concentration) for raw water but the treated water MAC /IMAC has been provided for reference.

The second table contains the results of sample collected because of the wells’ proximity to the wastewater treatment lagoons. These results help to assess the integrity of the lagoon cells.

Raw Water: Well 5 Parameter	Unit of Measure	Sample Date	Result Value	ODWS	
				MAC	IMAC
Arsenic	mg/L	08 Jul 2014	<0.001		0.025
Chromium	mg/L	08 Jul 2014	<0.001	0.05	
PCBs (Polychlorinated Biphenyls)	ug/L	08 Jul 2014	<0.1		3.0

Treated Water Parameter	Unit of Measure	Treated Water: Well 5 Result Value Annual Average 2014
TKN (Total Kjeldahl Nitrogen)	mg/L	<0.138
Total Phosphorus	mg/L	<0.01
Phosphate (O-PO4)	mg/L	<0.048
Dissolved Reactive Phosphorus	mg/L	<0.013
NH3 + NH4 as N	mg/L	<0.016

Maintenance Summary

OCWA

WO#	Completion Date	Comments
2720976	05/08/2014	Treated analyzer board upgrade
2971337	06/27/2014	Replaced Stainless steel flanged elbow on well piping well #3.
2992058	01/17/2014	New set of scales for the new chlorine system.
3025499	12/23/2013	Repaired communication signals for process monitoring
3045268	05/21/2014	Added surge suppression at well #5 to protect the sensitive downstream equipment
3045655	08/13/2014	Replaced exhaust fan motors well 3 and 6.
3200302	10/27/2014	Completed repair on the line that enters the treatment facility used to monitor chlorine residual and system pressure.
3229421	12/30/2014	Replaced Well#6 main power disconnect due to failure.

Town Of Mississippi Mills

System Details

- Estimated service population = 5,500
- 2697 accounts - 2,393 residential meters and 304 non residential meters
- Length of Distribution System = 41km

Maintenance & Operations

- Spring and fall flushing completed;
- Valve turning program completed (emergency preparedness);
- Repairs – valves, hydrants, mains, services, main stops, pressure reducing valves;
- Inspect and oversee new development – Mill Run Subdivision (Honeybourne Street, Larocque Street and Horton Street), Ultramar,
- Meter installations and repairs ongoing
- Joined and Implemented Ontario One Call procedure – utility locates;

System Administration and Planning

- Permit to Take Water Renewed (# 0568-9LUL2N) (July 14, 2014)
- Town awarded contract to Watson & Associates to complete update to Water and Wastewater Rate Study and Financial Plan (August 12, 2014);
- Appointment of Mississippi-Rideau Source Protection Authority as Risk Management Official / Risk Management Inspector (Bylaw 14-92 on October 7, 2014)

Supply and Source Water Protection/Conservation

- Pump 7 Upgrades underway with J L Richards / Golder Associates. Examining increase in water taking capabilities along with shift of operations to duty and standby for pumps 7 and 8.
- Decommissioning (dewatering) of lagoons in WHPA 8 & 10 ongoing in 2014 – Geofirma has completed final stages for a detailed characterization survey for on-site sludge.
- Geofirma – Monitoring of Sentinel Wells Upstream of Well 5 each year. Historical detects of Alkalinity, Chloride, Tc and E-coli. Testing Programs Included BTEX and Petroleum Hydrocarbons to consider WWPT construction impacts.
- Agricultural Risk south of wells 7 and 8 eliminated with zoning for new home for care for the elderly;

Meters / Conservation

- Odd and even water restrictions advertised heavily in summer of 2014;
- Inventory to November 24th is 2697 accounts - 2,393 residential meters and 304 non residential meters – 55.6% of system are RF (1,500units).
- RF meters allow staff to run reports to see which consumers have nonstop water consumption. This has allowed staff to contact customers and advise them that plumbing leaks and/or leaking toilets may exist.
- In 2014, the Town purchased a mobile RF read unit (truck mount) that cuts read RF read program from 6 days (walking) to 2 hours;

Distribution – Additions / Replacements

- 140m of watermain replaced on Clyde Street (Queen to Dead End);
- 320m of new watermain commissioned in Mill Run Phase 1B – Larocque Street, Horton Street and Honeybourne St.
- Designs advanced for future water main replacements on Union St South, Church Street and Gomme Street underway (Ainley Group)

END

Schedule 22
Summary Report

For

Municipalities

as per

O. Reg. 170/03

MISSISSIPPI MILLS (ALMONTE) DRINKING WATER SYSTEM
2014 SUMMARY REPORT FOR MUNICIPALITIES

Report

This report is a summary of water quality information for the Mississippi Mills Drinking Water System, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1 to December 31, 2014. The Mississippi Mills Drinking Water System is categorized as a Large, Municipal, Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency for the Town of Mississippi Mills.

Who gets a copy of the Report:

- in the case of a drinking-water system owned by a municipality, the members of the municipal council;

What must the Report contain?

The report must,

- (a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence and any orders applicable to the system that were **Not** met at any time during the period covered by the report and specify the duration of the failure; and
- (b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.

The following tables list the requirements that the system failed to meet and the measures taken to correct the failure:

Note: On November 26, 2014 the Ministry of the Environment and Climate Change conducted a routine compliance inspection of the Drinking Water System. Results of the inspection were not available at the time of this report.

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
PTTW	Well 3 exceeded the Permit To Take Water on 08 Apr 2014.	75 seconds.	CT calculation was done to ensure proper disinfection had occurred	Complete
PTTW	Well 3 exceeded the Permit To Take Water on 11 Apr 2014.	67 seconds.	CT calculation was done to ensure proper disinfection had occurred	Complete
PTTW	Well 3 exceeded the Permit To Take Water on 29 Dec 2014.	76 seconds.	CT calculation was done to ensure proper disinfection had occurred	Complete

The following items were identified by the Ministry of the Environment Inspection Report:

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
The last Ministry of Environment and Climate Change report identified No "Actions Required". Report #: 1-AO84R				

What else must the Report contain?

The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence.

The tables below are a summary of the flow rates and rated capacity flow rates approved in the system's municipal drinking water licence:

Well 3 2014	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	277.37	492.00	835.2	58.9
February	224.88	280.20	835.2	33.5
March	258.08	316.60	835.2	37.8
April	257.44	358.90	835.2	42.9
May	282.27	358.20	835.2	42.9
June	271.73	344.10	835.2	41.2
July	336.17	340.87	835.2	40.8
August	281.44	344.00	835.2	41.2
September	280.59	397.02	835.2	47.5
October	252.49	366.98	835.2	43.9
November	246.40	324.00	835.2	38.8
December	251.74	338.00	835.2	40.5

Well 5 2014	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	216.38	388.40	817.9	47.5
February	178.54	221.70	817.9	27.1
March	202.32	250.70	817.9	30.7
April	186.28	234.50	817.9	28.7
May	213.95	275.40	817.9	33.7
June	210.02	272.10	817.9	33.3
July	256.83	259.33	817.9	31.7
August	207.19	261.00	817.9	31.9
September	194.09	296.30	817.9	36.2
October	186.39	273.00	817.9	33.3
November	188.61	237.00	817.9	29.0
December	173.68	227.00	817.9	27.8

Well 6 2014	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	269.24	369.60	1958.4	18.9
February	247.68	308.20	1958.4	15.7
March	284.44	349.50	1958.4	17.8
April	272.13	370.10	1958.4	18.9
May	302.90	362.90	1958.4	18.5
June	278.22	364.40	1958.4	18.6
July	355.53	356.41	1958.4	18.2
August	289.81	357.00	1958.4	18.2
September	248.94	400.38	1958.4	20.4
October	269.94	384.00	1958.4	19.6
November	265.20	341.00	1958.4	17.4
December	267.00	356.00	1958.4	18.2

Well 7 2014	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	490.86	871.70	1641.6	53.1
February	398.50	491.50	1641.6	29.9
March	451.65	560.60	1641.6	34.1
April	478.68	636.00	1641.6	38.7
May	487.79	625.30	1641.6	38.1
June	458.43	563.40	1641.6	34.3
July	532.30	538.47	1641.6	32.8
August	427.50	525.71	1641.6	32.0
September	365.87	601.53	1641.6	36.6
October	323.16	402.00	1641.6	24.5
November	320.73	407.00	1641.6	24.8
December	315.71	419.00	1641.6	25.5

Well 8 2014	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	502.75	889.20	1641.6	54.1
February	413.33	509.60	1641.6	31.0
March	472.95	585.00	1641.6	35.6
April	505.87	671.60	1641.6	40.9
May	516.36	666.00	1641.6	40.6
June	479.82	599.50	1641.6	36.5
July	576.60	581.16	1641.6	35.4
August	467.83	571.74	1641.6	34.8
September	461.55	656.40	1641.6	40.0
October	420.82	519.00	1641.6	31.6
November	416.40	530.00	1641.6	32.3
December	413.13	546.00	1641.6	33.3

When Does the Report Get Submitted?

If a report is prepared for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.

End

Annual Record of Water Taking

(Permit to Take Water)

of

O. Reg. 387/04

Facility Flow Summary

Drinking-Water System Number: 220001290
 Drinking-Water System Name: MISSISSIPPI MILLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 178-101
 Period being reported: Jan-14 Dec-14

Raw Water						
Raw Water (Source Name)		MMills DWS RW Well 3				
Source Type:		Drilled				
Drinking Water Permit to Take Water No:		0568-9LUL2N				
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)
Jan	8598.50	277.37	492.00	574.60	31	15.50
Feb	6296.50	224.88	280.20	554.80	28	8.90
Mar	8000.50	258.08	316.60	553.40	31	10.30
Apr	7723.30	257.44	358.90	585.43	30	10.80
May	8750.52	282.27	358.20	546.70	31	11.30
Jun	8152.00	271.73	344.10	573.80	30	10.90
Jul	10421.39	336.17	340.87	565.30	31	10.50
Aug	8724.50	281.44	344.00	566.70	31	11.00
Sep	8417.61	280.59	397.02	574.70	30	12.20
Oct	7827.31	252.49	366.98	578.90	31	10.90
Nov	7392.00	246.40	324.00	570.70	30	9.90
Dec	7804.00	251.74	338.00	580.90	31	10.30
Total	98108.13				365	
Avg	8175.68	268.38	355.07	568.83	30	11.04
Max	10421.39	336.17	492.00	585.43	31	15.50

Facility Flow Summary

Drinking-Water System Number: 220001290
 Drinking-Water System Name: MISSISSIPPI MILLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 178-101
 Period being reported: Jan-14 Dec-14

Raw Water						
Raw Water (Source Name)		MMills DWS RW Well 5				
Source Type:		Drilled				
Drinking Water Permit to Take Water No:		0568-9LUL2N				
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)
Jan	6707.70	216.38	388.40	440.80	31	15.50
Feb	4999.00	178.54	221.70	437.10	28	8.90
Mar	6272.00	202.32	250.70	429.90	31	10.30
Apr	5588.40	186.28	234.50	420.00	30	9.80
May	6632.30	213.95	275.40	436.40	31	11.50
Jun	6300.60	210.02	272.10	447.80	30	10.90
Jul	7961.81	256.83	259.33	443.40	31	10.50
Aug	6422.94	207.19	261.00	445.10	31	11.00
Sep	5822.82	194.09	296.30	449.00	30	12.20
Oct	5778.00	186.39	273.00	438.90	31	10.90
Nov	5658.40	188.61	237.00	439.60	30	9.90
Dec	5384.00	173.68	227.00	445.00	31	10.20
Total	73527.97				365	
Avg	6127.33	201.19	266.37	439.42	30	10.97
Max	7961.81	256.83	388.40	449.00	31	15.50

Facility Flow Summary

Drinking-Water System Number: 220001290
 Drinking-Water System Name: MISSISSIPPI MILLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 178-101
 Period being reported: Jan-14 Dec-14

Raw Water						
Raw Water (Source Name)		MMills DWS RW Well 6				
Source Type:		Drilled				
Drinking Water Permit to Take Water No:		0568-9LUL2N				
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)
Jan	7807.90	269.24	369.60	640.40	29	10.70
Feb	6935.10	247.68	308.20	627.70	28	8.90
Mar	8817.50	284.44	349.50	614.70	31	10.30
Apr	8163.90	272.13	370.10	624.40	30	10.80
May	9390.00	302.90	362.90	671.00	31	10.70
Jun	8346.50	287.81	364.40	688.20	29	10.90
Jul	11021.40	355.53	356.41	620.30	31	10.50
Aug	8984.37	289.82	357.00	621.40	31	11.00
Sep	7467.82	276.59	400.38	705.80	27	11.70
Oct	8368.00	269.94	384.00	628.40	31	10.90
Nov	7956.00	265.20	341.00	712.60	30	9.90
Dec	8277.00	267.00	356.00	723.00	31	10.20
Total	101535.49				359	
Avg	8461.29	282.36	359.96	656.49	30	10.54
Max	11021.40	355.53	400.38	723.00	31	11.70

Facility Flow Summary

Drinking-Water System Number: 220001290
 Drinking-Water System Name: MISSISSIPPI MILLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 178-101
 Period being reported: Jan-14 Dec-14

Raw Water						
Raw Water (Source Name)		MMills DWS RW Well 7				
Source Type:		Drilled				
Drinking Water Permit to Take Water No:		0568-9LUL2N				
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)
Jan	15216.60	490.86	871.70	984.40	31	15.50
Feb	11158.00	398.50	491.50	980.30	28	8.90
Mar	14001.10	451.65	560.60	953.20	31	10.30
Apr	14360.40	478.68	636.00	999.70	30	11.10
May	15121.50	487.79	625.30	971.30	31	11.50
Jun	13752.90	458.43	563.40	956.00	30	10.90
Jul	16501.18	532.30	538.47	941.90	31	10.20
Aug	13252.47	427.50	525.71	881.30	31	11.00
Sep	10976.12	365.87	601.53	877.30	30	12.20
Oct	10018.00	323.16	402.00	750.60	31	9.90
Nov	9622.00	320.73	407.00	730.80	30	9.90
Dec	9787.00	315.71	419.00	729.80	31	10.30
Total	153767.27				365	
Avg	12813.94	420.93	553.52	896.38	30	10.98
Max	16501.18	532.30	871.70	999.70	31	15.50

Facility Flow Summary

Drinking-Water System Number: 220001290
 Drinking-Water System Name: MISSISSIPPI MILLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 178-101
 Period being reported: Jan-14 Dec-14

Raw Water						
Raw Water (Source Name)		MMills DWS RW Well 8				
Source Type:		Drilled				
Drinking Water Permit to Take Water No:		0568-9LUL2N				
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)
Jan	15585.20	502.75	889.20	1011.10	31	15.50
Feb	11573.10	413.33	509.60	991.60	28	8.90
Mar	14661.30	472.95	585.00	988.80	31	10.20
Apr	15176.00	505.87	671.60	1061.40	30	11.10
May	16007.20	516.36	666.00	1021.20	31	11.40
Jun	14394.50	479.82	599.50	985.80	30	10.90
Jul	17874.59	576.60	581.16	980.60	31	10.50
Aug	14502.68	467.83	571.74	920.40	31	11.00
Sep	13846.47	461.55	656.40	929.20	30	12.20
Oct	13045.45	420.82	519.00	940.70	31	9.80
Nov	12492.00	416.40	530.00	917.30	30	9.80
Dec	12807.00	413.13	546.00	938.70	31	10.30
Total	171965.48				365	
Avg	14330.46	470.62	610.43	973.90	30	10.97
Max	17874.59	576.60	889.20	1061.40	31	15.50

PTTW 0568-9LUL2N



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Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 0568-9LUL2N
Permit Holder: THE CORPORATION OF THE TOWN OF MISSISSIPPI MILLS.
Received on: Feb 4, 2015 3:23 PM

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PTTW 8474-6MJR6X



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WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 8474-6MJR6X
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