



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

**System Information**

<b>Drinking-Water System Name:</b>	Mississippi Mills Drinking Water System
<b>Drinking-Water System Number:</b>	<b>220001290</b>
<b>Drinking-Water System Owner:</b>	The Corporation of the Town of Mississippi Mills
<b>Operating Authority:</b>	Ontario Clean Water Agency
<b>Drinking-Water System Category:</b>	Large, municipal, residential
<b>Period being reported:</b>	January 01 – December 31, 2015

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

**Municipality of Mississippi Mills**  
**Municipal Office**  
**3131 Old Perth Rd.**  
**Almonte, Ontario.**  
**K0A 1A0**  
**[www.mississippimills.ca](http://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: 2015	AWQI #	Parameter	Results	Units of Measure	Corrective Action	Date of Corrective Action
02/05/2015	122449	Sodium	40	mg/L	Resample & Test – Notification as per MOH Direction	02/26/2015 & 03/05/2015

**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 – 1.99	0.064
	Well 5	8760	0.02 – 2.0	0.210
	Well 6	8760	0.03 – 1.96	0.252
	Well 7	8760	0.02 – 1.0	0.087
	Well 8	8760	0.017 – 2.0	0.278
Treated Water Free Chlorine	Well 3	8760	0.53 – 2.0	1.307
	Well 5	8760	0.53 – 2.0	1.228

Parameter	Location	Number of Grab Samples	Results	
			Range (min-max)	Average
Residual (mg/L)	Well 6	8760	0.44 – 2.0	1.296
	Well 7&8 Combined	8760	0.37 – 1.43	1.143
Distribution Free Chlorine Residual (mg/L)	Gemmill's Bay PS	8760	0.39 – 1.25	0.87
	Various locations throughout the distribution system	184	0.60 – 1.53	1.08

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	N/A	N/A
Raw - RW5	52	0 - 0	0 - 1	N/A	N/A
Raw - RW6	52	0 - 0	0 - 0	N/A	N/A
Raw - RW7	52	0 - 0	0 - 0	N/A	N/A
Raw - RW8	52	0 - 0	0 - 0	N/A	N/A
Treated - TW3	52	0 - 0	0 - 0	52	0 – 500
Treated - TW5	52	0 - 0	0 - 0	52	0 - 29
Treated - TW6	52	0 - 0	0 - 0	52	0 – 3
Treated - TW7	0			0	
Treated - TW7&8	50	0 - 0	0 - 0	50	0 - 6
Treated - TW8	2	0 - 0	0 - 0	2	<2 - <2
Distribution - DW	182	0 - 0	0 - 0	53	0 - 7

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	09/09/2015	<MDL 0.1	No
Antimony: Sb (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Antimony: Sb (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Antimony: Sb (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Arsenic: As (ug/L) - TW3	09/09/2015	0.7	No
Arsenic: As (ug/L) - TW5	09/09/2015	0.9	No
Arsenic: As (ug/L) - TW6	09/09/2015	1.0	No
Arsenic: As (ug/L) - TW7&8	09/09/2015	1.8	No
Barium: Ba (ug/L) - TW3	09/09/2015	130	No
Barium: Ba (ug/L) - TW5	09/09/2015	172	No

Parameter	Sample Date	Sample Result	Exceedance
Barium: Ba (ug/L) - TW6	09/09/2015	95	No
Barium: Ba (ug/L) - TW7&8	09/09/2015	156	No
Boron: B (ug/L) - TW3	09/09/2015	234	No
Boron: B (ug/L) - TW5	09/09/2015	49	No
Boron: B (ug/L) - TW6	09/09/2015	274	No
Boron: B (ug/L) - TW7&8	09/09/2015	177	No
Cadmium: Cd (ug/L) - TW3	09/09/2015	<MDL 0.02	No
Cadmium: Cd (ug/L) - TW5	09/09/2015	<MDL 0.02	No
Cadmium: Cd (ug/L) - TW6	09/09/2015	<MDL 0.02	No
Cadmium: Cd (ug/L) - TW7&8	09/09/2015	<MDL 0.02	No
Chromium: Cr (ug/L) - TW3	09/09/2015	<MDL 2.0	No
Chromium: Cr (ug/L) - TW5	09/09/2015	<MDL 2.0	No
Chromium: Cr (ug/L) - TW6	09/09/2015	<MDL 2.0	No
Chromium: Cr (ug/L) - TW7&8	09/09/2015	<MDL 2.0	No
Lead: Pb (ug/L) -	Please refer to lead sampling table below.		
Mercury: Hg (ug/L) - TW3	09/09/2015	<MDL 0.02	No
Mercury: Hg (ug/L) - TW5	09/09/2015	<MDL 0.02	No
Mercury: Hg (ug/L) - TW6	09/09/2015	<MDL 0.02	No
Mercury: Hg (ug/L) - TW7&8	09/09/2015	<MDL 0.02	No
Selenium: Se (ug/L) - TW3	09/09/2015	2	No
Selenium: Se (ug/L) - TW5	09/09/2015	2	No
Selenium: Se (ug/L) - TW6	09/09/2015	2	No
Selenium: Se (ug/L) - TW7&8	09/09/2015	4	No
Sodium: Na (mg/L) - TW3	15/07/2013	44.00	Yes
Sodium: Na (mg/L) - TW3 - resample	22/07/2013	41.00	Yes
Sodium: Na (mg/L) - TW5	15/07/2013	57.00	Yes
Sodium: Na (mg/L) - TW5 - resample	22/07/2013	55.00	Yes
Sodium: Na (mg/L) - TW7&8	15/07/2013	40.00	Yes
Sodium: Na (mg/L) - TW7&8 - resample	22/07/2013	39.00	Yes
Sodium: Na (mg/L) - TW6	03/02/2015	42.00	Yes
Sodium: Na (mg/L) - TW6 - resample	05/02/2015	40.00	Yes
Uranium: U (ug/L) - TW3	09/09/2015	0.78	No
Uranium: U (ug/L) - TW5	09/09/2015	0.85	No
Uranium: U (ug/L) - TW6	09/09/2015	0.95	No
Uranium: U (ug/L) - TW7&8	09/09/2015	1.14	No
Fluoride: F (mg/L) - TW3	20/10/2015	0.3	No
Fluoride: F (mg/L) - TW5	20/10/2015	0.3	No
Fluoride: F (mg/L) - TW6	20/10/2015	0.4	No
Fluoride: F (mg/L) - TW7&8	20/10/2015	0.4	No
Nitrite (mg/L) - TW3	06/01/2015	<MDL 0.1	No
Nitrite (mg/L) - TW3	08/04/2015	<MDL 0.1	No

Parameter	Sample Date	Sample Result	Exceedance
Nitrite (mg/L) - TW3	07/07/2015	<MDL 0.1	No
Nitrite (mg/L) - TW3	20/10/2015	<MDL 0.1	No
Nitrite (mg/L) - TW5	06/01/2015	<MDL 0.1	No
Nitrite (mg/L) - TW5	08/04/2015	<MDL 0.1	No
Nitrite (mg/L) - TW5	07/07/2015	<MDL 0.1	No
Nitrite (mg/L) - TW5	20/10/2015	<MDL 0.1	No
Nitrite (mg/L) - TW6	06/01/2015	<MDL 0.1	No
Nitrite (mg/L) - TW6	08/04/2015	<MDL 0.1	No
Nitrite (mg/L) - TW6	07/07/2015	<MDL 0.1	No
Nitrite (mg/L) - TW6	20/10/2015	<MDL 0.1	No
Nitrite (mg/L) - TW7&8	06/01/2015	<MDL 0.1	No
Nitrite (mg/L) - TW7&8	08/04/2015	<MDL 0.1	No
Nitrite (mg/L) - TW7&8	07/07/2015	<MDL 0.1	No
Nitrite (mg/L) - TW7&8	20/10/2015	<MDL 0.1	No
Nitrate (mg/L) - TW3	06/01/2015	0.44	No
Nitrate (mg/L) - TW3	08/04/2015	0.51	No
Nitrate (mg/L) - TW3	07/07/2015	0.39	No
Nitrate (mg/L) - TW3	20/10/2015	0.4	No
Nitrate (mg/L) - TW5	06/01/2015	0.4	No
Nitrate (mg/L) - TW5	08/04/2015	0.32	No
Nitrate (mg/L) - TW5	07/07/2015	0.35	No
Nitrate (mg/L) - TW5	20/10/2015	0.3	No
Nitrate (mg/L) - TW6	06/01/2015	0.65	No
Nitrate (mg/L) - TW6	08/04/2015	0.63	No
Nitrate (mg/L) - TW6	07/07/2015	0.68	No
Nitrate (mg/L) - TW6	20/10/2015	1.1	No
Nitrate (mg/L) - TW7&8	06/01/2015	1.3	No
Nitrate (mg/L) - TW7&8	08/04/2015	0.58	No
Nitrate (mg/L) - TW7&8	07/07/2015	1.69	No
Nitrate (mg/L) - TW7&8	20/10/2015	0.7	No

Parameter	Sample Date	Result Value	Exceedance
Alachlor (ug/L) - TW3	09/09/2015	<MDL 0.3	No
Alachlor (ug/L) - TW5	09/09/2015	<MDL 0.3	No
Alachlor (ug/L) - TW6	09/09/2015	<MDL 0.3	No
Alachlor (ug/L) - TW7&8	09/09/2015	<MDL 0.3	No
Aldicarb (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Aldicarb (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Aldicarb (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Aldicarb (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Aldrin + Dieldrin (ug/L) - TW3	09/09/2015	<MDL 0.02	No
Aldrin + Dieldrin (ug/L) - TW5	09/09/2015	<MDL 0.02	No

Aldrin + Dieldrin (ug/L) - TW6	09/09/2015	<MDL 0.02	No
Aldrin + Dieldrin (ug/L) - TW7&8	09/09/2015	<MDL 0.02	No
Atrazine + N-dealkylated metabolites (ug/L) - TW3	09/09/2015	< 0.5	No
Atrazine + N-dealkylated metabolites (ug/L) - TW5	09/09/2015	< 0.5	No
Atrazine + N-dealkylated metabolites (ug/L) - TW6	09/09/2015	< 0.5	No
Atrazine + N-dealkylated metabolites (ug/L) - TW7&8	09/09/2015	< 0.5	No
Azinphos-methyl (ug/L) - TW3	09/09/2015	<MDL 1.0	No
Azinphos-methyl (ug/L) - TW5	09/09/2015	<MDL 1.0	No
Azinphos-methyl (ug/L) - TW6	09/09/2015	<MDL 1.0	No
Azinphos-methyl (ug/L) - TW7&8	09/09/2015	<MDL 1.0	No
Bendiocarb (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Bendiocarb (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Bendiocarb (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Bendiocarb (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Benzene (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Benzene (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Benzene (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Benzene (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Benzo(a)pyrene (ug/L) - TW3	09/09/2015	<MDL 0.005	No
Benzo(a)pyrene (ug/L) - TW5	09/09/2015	<MDL 0.005	No
Benzo(a)pyrene (ug/L) - TW6	09/09/2015	<MDL 0.005	No
Benzo(a)pyrene (ug/L) - TW7&8	09/09/2015	<MDL 0.005	No
Bromoxynil (ug/L) - TW3	09/09/2015	<MDL 0.3	No
Bromoxynil (ug/L) - TW5	09/09/2015	<MDL 0.3	No
Bromoxynil (ug/L) - TW6	09/09/2015	<MDL 0.3	No
Bromoxynil (ug/L) - TW7&8	09/09/2015	<MDL 0.3	No
Carbaryl (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Carbaryl (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Carbaryl (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Carbaryl (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Carbofuran (ug/L) - TW3	09/09/2015	<MDL 1.0	No
Carbofuran (ug/L) - TW5	09/09/2015	<MDL 1.0	No
Carbofuran (ug/L) - TW6	09/09/2015	<MDL 1.0	No
Carbofuran (ug/L) - TW7&8	09/09/2015	<MDL 1.0	No
Carbon Tetrachloride (ug/L) - TW3	09/09/2015	<MDL 0.2	No
Carbon Tetrachloride (ug/L) - TW5	09/09/2015	<MDL 0.2	No
Carbon Tetrachloride (ug/L) - TW6	09/09/2015	<MDL 0.2	No
Carbon Tetrachloride (ug/L) - TW7&8	09/09/2015	<MDL 0.2	No
Chlordane:Total (ug/L) - TW3	09/09/2015	<MDL 0.04	No
Chlordane:Total (ug/L) - TW5	09/09/2015	<MDL 0.04	No
Chlordane:Total (ug/L) - TW6	09/09/2015	<MDL 0.04	No
Chlordane:Total (ug/L) - TW7&8	09/09/2015	<MDL 0.04	No

Chlorpyrifos (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Chlorpyrifos (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Chlorpyrifos (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Chlorpyrifos (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Cyanazine (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Cyanazine (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Cyanazine (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Cyanazine (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Diazinon (ug/L) - TW3	09/09/2015	<MDL 1.0	No
Diazinon (ug/L) - TW5	09/09/2015	<MDL 1.0	No
Diazinon (ug/L) - TW6	09/09/2015	<MDL 1.0	No
Diazinon (ug/L) - TW7&8	09/09/2015	<MDL 1.0	No
Dicamba (ug/L) - TW3	09/09/2015	<MDL 5.0	No
Dicamba (ug/L) - TW5	09/09/2015	<MDL 5.0	No
Dicamba (ug/L) - TW6	09/09/2015	<MDL 5.0	No
Dicamba (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No
1,2-Dichlorobenzene (ug/L) - TW3	09/09/2015	<MDL 0.1	No
1,2-Dichlorobenzene (ug/L) - TW5	09/09/2015	<MDL 0.1	No
1,2-Dichlorobenzene (ug/L) - TW6	09/09/2015	<MDL 0.1	No
1,2-Dichlorobenzene (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
1,4-Dichlorobenzene (ug/L) - TW3	09/09/2015	<MDL 0.2	No
1,4-Dichlorobenzene (ug/L) - TW5	09/09/2015	<MDL 0.2	No
1,4-Dichlorobenzene (ug/L) - TW6	09/09/2015	<MDL 0.2	No
1,4-Dichlorobenzene (ug/L) - TW7&8	09/09/2015	<MDL 0.2	No
(DDT) + metabolites (ug/L) - TW3	09/09/2015	<MDL 0.01	No
(DDT) + metabolites (ug/L) - TW5	09/09/2015	<MDL 0.01	No
(DDT) + metabolites (ug/L) - TW6	09/09/2015	<MDL 0.01	No
(DDT) + metabolites (ug/L) - TW78	09/09/2015	<MDL 0.01	No
1,2-Dichloroethane (ug/L) - TW3	09/09/2015	<MDL 0.1	No
1,2-Dichloroethane (ug/L) - TW5	09/09/2015	<MDL 0.1	No
1,2-Dichloroethane (ug/L) - TW6	09/09/2015	<MDL 0.1	No
1,2-Dichloroethane (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
1,1-Dichloroethylene (ug/L) - TW3	09/09/2015	<MDL 0.1	No
1,1-Dichloroethylene (ug/L) - TW5	09/09/2015	<MDL 0.1	No
1,1-Dichloroethylene (ug/L) - TW6	09/09/2015	<MDL 0.1	No
1,1-Dichloroethylene (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Dichloromethane (ug/L) - TW3	09/09/2015	<MDL 0.3	No
Dichloromethane (ug/L) - TW5	09/09/2015	<MDL 0.3	No
Dichloromethane (ug/L) - TW6	09/09/2015	<MDL 0.3	No
Dichloromethane (ug/L) - TW78	09/09/2015	<MDL 0.3	No
2,4-Dichlorophenol (ug/L) - TW3	09/09/2015	<MDL 0.1	No
2,4-Dichlorophenol (ug/L) - TW5	09/09/2015	<MDL 0.1	No

2,4-Dichlorophenol (ug/L) - TW6	09/09/2015	<MDL 0.1	No
2,4-Dichlorophenol (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW3	09/09/2015	<MDL 5.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW5	09/09/2015	<MDL 5.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW6	09/09/2015	<MDL 5.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No
Diclofop-methyl (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Diclofop-methyl (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Diclofop-methyl (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Diclofop-methyl (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Dimethoate (ug/L) - TW3	09/09/2015	<MDL 1.0	No
Dimethoate (ug/L) - TW5	09/09/2015	<MDL 1.0	No
Dimethoate (ug/L) - TW6	09/09/2015	<MDL 1.0	No
Dimethoate (ug/L) - TW7&8	09/09/2015	<MDL 1.0	No
Dinoseb (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Dinoseb (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Dinoseb (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Dinoseb (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Diquat (ug/L) - TW3	09/09/2015	<MDL 5.0	No
Diquat (ug/L) - TW5	09/09/2015	<MDL 5.0	No
Diquat (ug/L) - TW6	09/09/2015	<MDL 5.0	No
Diquat (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No
Diuron (ug/L) - TW3	09/09/2015	<MDL 5.0	No
Diuron (ug/L) - TW5	09/09/2015	<MDL 5.0	No
Diuron (ug/L) - TW6	09/09/2015	<MDL 5.0	No
Diuron (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No
Glyphosate (ug/L) - TW3	09/09/2015	<MDL 25.0	No
Glyphosate (ug/L) - TW5	09/09/2015	<MDL 25.0	No
Glyphosate (ug/L) - TW6	09/09/2015	<MDL 25.0	No
Glyphosate (ug/L) - TW7&8	09/09/2015	<MDL 25.0	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Lindane: (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Lindane: (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Lindane: (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Lindane: (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Malathion (ug/L) - TW3	09/09/2015	<MDL 5.0	No
Malathion (ug/L) - TW5	09/09/2015	<MDL 5.0	No
Malathion (ug/L) - TW6	09/09/2015	<MDL 5.0	No
Malathion (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No



Methoxychlor (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Methoxychlor (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Methoxychlor (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Methoxychlor (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Metolachlor (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Metolachlor (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Metolachlor (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Metolachlor (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Metribuzin (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Metribuzin (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Metribuzin (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Metribuzin (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Monochlorobenzene (ug/L) - TW3	09/09/2015	< 0.2	No
Monochlorobenzene (ug/L) - TW5	09/09/2015	< 0.2	No
Monochlorobenzene (ug/L) - TW6	09/09/2015	< 0.2	No
Monochlorobenzene (ug/L) - TW7&8	09/09/2015	< 0.2	No
Paraquat (ug/L) - TW3	09/09/2015	<MDL 1.0	No
Paraquat (ug/L) - TW5	09/09/2015	<MDL 1.0	No
Paraquat (ug/L) - TW6	09/09/2015	<MDL 1.0	No
Paraquat (ug/L) - TW7&8	09/09/2015	<MDL 1.0	No
Parathion (ug/L) - TW3	09/09/2015	<MDL 3.0	No
Parathion (ug/L) - TW5	09/09/2015	<MDL 3.0	No
Parathion (ug/L) - TW6	09/09/2015	<MDL 3.0	No
Parathion (ug/L) - TW7&8	09/09/2015	<MDL 3.0	No
Pentachlorophenol (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Pentachlorophenol (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Pentachlorophenol (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Pentachlorophenol (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Phorate (ug/L) - TW3	09/09/2015	<MDL 0.3	No
Phorate (ug/L) - TW5	09/09/2015	<MDL 0.3	No
Phorate (ug/L) - TW6	09/09/2015	<MDL 0.3	No
Phorate (ug/L) - TW7&8	09/09/2015	<MDL 0.3	No
Picloram (ug/L) - TW3	09/09/2015	<MDL 5.0	No
Picloram (ug/L) - TW5	09/09/2015	<MDL 5.0	No
Picloram (ug/L) - TW6	09/09/2015	<MDL 5.0	No
Picloram (ug/L) - TW7&8	09/09/2015	<MDL 5.0	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW3	09/09/2015	<MDL 0.05	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW5	09/09/2015	<MDL 0.05	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW6	09/09/2015	<MDL 0.05	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW7&8	09/09/2015	<MDL 0.05	No
Prometryne (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Prometryne (ug/L) - TW5	09/09/2015	<MDL 0.1	No

Prometryne (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Prometryne (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Simazine (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Simazine (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Simazine (ug/L) - TW6	09/09/2015	<MDL 0.5	No
Simazine (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
THM (ug/L) – Running Annual Average -DW	2015	11.3	No
Temephos (ug/L) - TW3	09/09/2015	<MDL 10.0	No
Temephos (ug/L) - TW5	09/09/2015	<MDL 10.0	No
Temephos (ug/L) - TW6	09/09/2015	<MDL 10.0	No
Temephos (ug/L) - TW7&8	09/09/2015	<MDL 10.0	No
Terbufos (ug/L) - TW3	09/09/2015	<MDL 0.3	No
Terbufos (ug/L) - TW5	09/09/2015	<MDL 0.3	No
Terbufos (ug/L) - TW6	09/09/2015	<MDL 0.3	No
Terbufos (ug/L) - TW7&8	09/09/2015	<MDL 0.3	No
Tetrachloroethylene (ug/L) - TW3	09/09/2015	<MDL 0.2	No
Tetrachloroethylene (ug/L) - TW5	09/09/2015	<MDL 0.2	No
Tetrachloroethylene (ug/L) - TW6	09/09/2015	<MDL 0.2	No
Tetrachloroethylene (ug/L) - TW7&8	09/09/2015	<MDL 0.2	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW3	09/09/2015	<MDL 0.1	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW5	09/09/2015	<MDL 0.1	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW6	09/09/2015	<MDL 0.1	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
Triallate (ug/L) - TW3	09/09/2015	<MDL 10.0	No
Triallate (ug/L) - TW5	09/09/2015	<MDL 10.0	No
Triallate (ug/L) - TW6	09/09/2015	<MDL 10.0	No
Triallate (ug/L) - TW7&8	09/09/2015	<MDL 10.0	No
Trichloroethylene (ug/L) - TW3	09/09/2015	<MDL 0.1	No
Trichloroethylene (ug/L) - TW5	09/09/2015	<MDL 0.1	No
Trichloroethylene (ug/L) - TW6	09/09/2015	<MDL 0.1	No
Trichloroethylene (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
2,4,6-Trichlorophenol (ug/L) - TW3	09/09/2015	<MDL 0.1	No
2,4,6-Trichlorophenol (ug/L) - TW5	09/09/2015	<MDL 0.1	No
2,4,6-Trichlorophenol (ug/L) - TW6	09/09/2015	<MDL 0.1	No
2,4,6-Trichlorophenol (ug/L) - TW7&8	09/09/2015	<MDL 0.1	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW3	09/09/2015	<MDL 10.0	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW5	09/09/2015	<MDL 10.0	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW6	09/09/2015	<MDL 10.0	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW7&8	09/09/2015	<MDL 10.0	No
Trifluralin (ug/L) - TW3	09/09/2015	<MDL 0.5	No
Trifluralin (ug/L) - TW5	09/09/2015	<MDL 0.5	No
Trifluralin (ug/L) - TW6	09/09/2015	<MDL 0.5	No

Trifluralin (ug/L) - TW7&8	09/09/2015	<MDL 0.5	No
Vinyl Chloride (ug/L) - TW3	09/09/2015	<MDL 0.2	No
Vinyl Chloride (ug/L) - TW5	09/09/2015	<MDL 0.2	No
Vinyl Chloride (ug/L) - TW6	09/09/2015	<MDL 0.2	No
Vinyl Chloride (ug/L) - TW7&8	09/09/2015	<MDL 0.2	No

### Lead Sampling:

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, 2014 to April 15, 2015	3	7.48 – 8.03	289 - 299	N/A
June 15, 2015 to October 15, 2015	3	6.99 – 7.37	298 - 303	N/A

### 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	294 - 319	302.5	310 - 323	317.7	280 - 290	286	288 - 309	298		30 - 300
Colour	TCU	<2.0 - 5.0	<2.75	<2.0 - 6.0	<3.0	<2.0 - 2.0	<2.0	<2.0 - 2.0	<2.0	5	
Total Hardness	mg/L	408 - 423	414	405 - 421	416	415 - 420	417.5	361 - 394	377.2		80 - 100
pH	N/A	7.61 – 7.91	7.75	5.96* – 7.93	7.57	7.71 – 7.92	7.80	7.68 – 7.91	7.78		6.5 – 8.5
TDS	mg/L	550 - 630	593.3	600 - 650	630	580 - 630	596.6	490 - 560	533.3	500	
Chloride	mg/L	69 – 99.8	81.7	126 – 150	135.7	62 – 89.8	70.4	61 - 82	69.7	250	
Conductivity	uS/cm	893 – 960	920.7	1020 - 1090	1055	899 - 979	926.2	828 - 896	862	Measured during TDS testing.	
Calcium	mg/L	114 - 119	115.5	104 – 108	106.2	103 – 109	106.2	97.4 - 113	105.1	Measured during hardness testing.	
Magnesium	mg/L	29 – 32.8	30.4	34 – 39.1	36.5	36 – 38.8	36.9	27 - 29	27.8		

TCU: True Colour Units

ODWQS: Ontario Drinking Water Quality Standards

TDS: Total Dissolved Solids

AO: Aesthetic Objective

OG: Aesthetic Guideline

\*Laboratory error. In-house samples collected at the same time range from 6.67-7.62.

### 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 have 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	22 Jul 2015	<0.001		0.025
Chromium	mg/L	22 Jul 2015	<0.001	0.05	
PCBs (Polychlorinated Biphenyls)	ug/L	22 Jul 2015	<0.1		3.0

Treated Water Parameter	Unit of Measure	Treated Water: Well 5 Annual Average 2015
TKN (Total Kjeldahl Nitrogen)	mg/L	0.313
Total Phosphorus	mg/L	<0.013
Phosphate (O-PO4)	mg/L	<0.03
Dissolved Reactive Phosphorus	mg/L	<0.01
NH3 + NH4 as N	mg/L	<0.098

## Maintenance Summary

### OCWA Maintenance

WO#	Completion Date	Comments
3049670	09/16/2014	Bristol PLC replacement (year 1 of 3).
3295201	07/09/2015	Well #6 VFD Control - Install a new disconnect switch to control VFD.
3309169	01/10/2015	Well 7 Upgrade Project – New increased capacity Pump and controls
3379684	07/20/2015	Grounding/Lightning Protection at the Elevated Water Tower
3407252	10/22/2015	Scada System – Programming upgrade
3472802	12/31/2015	De-commission Private Well on Patterson

## Distribution System

### Distribution System Details

- Estimated Population Served = 5,610 (based on 2.3ppu x residential accounts);
- Length of Distribution = 41.2 km
- 2,439 Residential Accounts, 320 Non- Residential Accounts (Commercial/Industrial/Institutional);

#### Maintenance and Operations (Distribution)

- Water main flushing program completed;
- Valve turning program completed – Fall 2015;
- Numerous repairs – valves, hydrants, services and curb stops;
- New water mains commissioned on Gomme Street, Mill Run Phase 1C Subdivision (Honeyborne Street), Riverfront Phase 3 (Robert Hill Street, Merrithew Street and Spring Street) and Paterson Street;

#### Planning Initiatives

- Initiated detailed design work for future water main replacements on Union Street South and Church Street;
- Initiated Municipal Class EA study for increasing PTTW at Well 7 and 8 to 44L/s (J. L. Richards & Associates);
- Initiated Upgrades to SCADA, Programmable Logic Controls and Uninterrupted Power Supplies for All Municipal Well Sites (Capital Controls);



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

## **MISSISSIPPI MILLS (ALMONTE) DRINKING WATER SYSTEM 2015 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, 2015. 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,

- 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
- 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, 2015 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 twice on 11 Apr 2015 at 08:01:14	69 seconds	CT calculation was done to ensure proper disinfection had occurred	Complete
PTTW	Well 3 exceeded the Permit To Take Water twice on 11 Apr 2015 at 09:19:24	70 seconds	CT calculation was done to ensure proper disinfection had occurred	Complete

**The following items were identified by the most recent Ministry of the Environment Inspection Report: 1-BC05B (2014)**

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the Compliance Date(s)	Describe the measures taken to correct the failure	Status (complete or outstanding)
O. Reg. 170/03	All inorganic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. The treated water samples taken from Wells 3, 5, 6, 7 and 8 did not comply with subsection 6-	June 8, 2015	OCWA acknowledges that in the attempt to bring the Organic and In-organic sampling for all wells in the Mississippi Mills Drinking Water System into harmony that	Complete

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the Compliance date(s)	Describe the measures taken to correct the failure	Status (complete or outstanding)
	<p>1.1 (6) of Schedule 6 to O. Reg. 170/03.</p> <p>Action(s) Required:</p> <p>1. (a) By no later than June 8, 2015, provide to the undersigned Provincial Officer for her review and acceptance, a written action plan for ensuring that treated water samples are taken from each well system and tested once every 36 months within the frequency of sampling period for the inorganic parameters in Schedule 23 and the organic parameters in Schedule 24 in accordance with subsection 6-1.1 (6) of Schedule 6 and Schedule 13 to O. Reg. 170/03.</p>		<p>errors were made in the scheduling, causing the non-compliance with subsection 6-1.1 (6) of Schedule 6 and Schedule 13 to O. Reg. 170/03.</p> <p>OCWA has scheduled the 2015 sampling for the week of September 7 – 11, 2015 for all wells.</p>	
O. Reg. 170/03	<p>All organic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. The treated water samples taken from Wells 3, 5, 6, 7 and 8 did not comply with subsection 6-1.1 (6) of Schedule 6 to O. Reg. 170/03.</p> <p>Action(s) Required:</p> <p>1. (a) By no later than June 8, 2015, provide to the undersigned Provincial Officer for her review and acceptance, a written action plan for ensuring that treated water samples are taken from each well system and tested once</p>	June 8, 2015	<p>OCWA acknowledges that in the attempt to bring the Organic and In-organic sampling for all wells in the Mississippi Mills Drinking Water System into harmony that errors were made in the scheduling, causing the non-compliance with subsection 6-1.1 (6) of Schedule 6 and Schedule 13 to O. Reg. 170/03.</p> <p>OCWA has scheduled the 2015</p>	Complete



Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the Compliance date(s)	Describe the measures taken to correct the failure	Status (complete or outstanding)
	every 36 months within the frequency of sampling period for the inorganic parameters in Schedule 23 and the organic parameters in Schedule 24 in accordance with subsection 6-1.1 (6) of Schedule 6 and Schedule 13 to O. Reg. 170/03.		sampling for the week of September 7 – 11, 2015 for all wells.	
O. Reg. 128/04	<p>The following instance(s) of non-compliance were also noted during the inspection:  There were several log book entries noted that did not meet the requirements of Section 27 of O. Reg. 128/04.  Action(s) Required:  By no later than June 8, 2015, provide to the undersigned Provincial Officer for her review and acceptance, a written action plan for confirming that the logs include the date, the time period the shift covered and the number or designation of the shift; the names of all operators on duty during each shift; the OIC for each shift; that the entries in the logs are made chronologically; and that a person has to be identified as the maker of an entry in the logs in accordance with Section 27 of O. Reg. 128/04.</p>	June 8, 2015	OCWA has, for the facilities where OIT operators are operating, instructed the OIC operators to make a record in the facility logbooks of their review of logbook entries made by OIT operators to ensure that entries are made in accordance with section 27 of O. Reg. 128/04.	Complete

### 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:

- 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.
- 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 2015	Month Avg. Day Volume (m <sup>3</sup> /d)	Month Max. Day Volume (m <sup>3</sup> /d)	Rated Capacity (m <sup>3</sup> /d)	Month Max Day Volume (%)
January	256.39	314.0	835.2	37.6
February	362.48	536.0	835.2	64.2
March	297.95	513.0	835.2	61.4
April	183.50	358.0	835.2	42.9
May	297.13	420.0	835.2	50.3
June	285.23	366.0	835.2	43.8
July	298.87	446.0	835.2	53.4
August	294.65	376.0	835.2	45.0
September	307.93	593.0	835.2	71.0
October	305.00	414.0	835.2	49.6
November	238.07	308.0	835.2	36.9
December	253.03	445.0	835.2	53.3

Well 5 2015	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	194.48	246.0	817.9	30.1
February	265.82	355.0	817.9	43.4
March	248.67	386.0	817.9	47.2
April	207.30	321.0	817.9	39.2
May	224.32	318.0	817.9	38.9
June	217.00	282.0	817.9	34.5
July	227.90	352.0	817.9	43.0
August	223.61	299.0	817.9	36.6
September	239.50	448.0	817.9	54.8
October	232.39	316.0	817.9	38.6
November	182.13	237.0	817.9	29.0
December	197.94	366.0	817.9	44.7

Well 6 2015	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	272.72	352.7	1958.4	18.0
February	386.68	566.0	1958.4	28.9
March	357.90	532.0	1958.4	27.2
April	292.77	447.0	1958.4	22.8
May	320.77	435.0	1958.4	22.2
June	310.33	401.0	1958.4	20.5
July	335.65	492.0	1958.4	25.1
August	328.58	423.0	1958.4	21.6
September	346.63	656.0	1958.4	33.5
October	337.55	461.0	1958.4	23.5
November	259.90	330.0	1958.4	16.9
December	273.71	508.0	1958.4	25.9

Well 7 2015	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	310.32	412.1	1641.6	25.1
February	437.57	615.0	1641.6	37.5
March	393.06	599.0	1641.6	36.5
April	321.03	514.0	1641.6	31.3
May	334.29	471.0	1641.6	28.7
June	295.57	394.0	1641.6	24.0
July	314.81	463.0	1641.6	28.2
August	302.42	400.0	1641.6	24.4
September	326.45	694.0	1641.6	42.3
October	320.93	472.0	1641.6	28.8
November	370.63	466.0	1641.6	28.4
December	402.26	789.0	1641.6	48.1

Well 8 2015	Month Avg. Day Volume (m3/d)	Month Max. Day Volume (m3/d)	Rated Capacity (m3/d)	Month Max Day Volume (%)
January	401.19	532.9	1641.6	32.5
February	575.63	814.0	1641.6	49.6
March	528.00	796.0	1641.6	48.5
April	429.57	684.0	1641.6	41.7
May	462.19	647.0	1641.6	39.4
June	412.63	545.0	1641.6	33.2
July	444.94	649.0	1641.6	39.5
August	402.83	539.0	1641.6	32.8
September	410.57	837.0	1641.6	51.0
October	400.39	539.0	1641.6	32.8
November	324.67	401.0	1641.6	24.4
December	346.03	689.0	1641.6	42.0

### 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.

## 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-15 Dec-15

Raw Water (Source Name)		Raw Water		Raw Water		Raw Water		Raw Water		Raw Water	
Source Type:		MMills DWS RW Well 3		Drilled		0568-9LUL2N					
Drinking Water Permit to Take Water No:											
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak (L/min)	Number of Days of Water Taking	Maximum Daily Run Time (hr)					
Jan	7948.00	256.39	314.00	570.80	31	10.50					
Feb	10149.40	362.48	536.00	556.80	28	15.50					
Mar	9236.30	297.95	513.00	568.00	31	16.40					
Apr	5505.00	229.38	358.00	584.00	24	11.30					
May	9211.00	297.13	420.00	564.00	31	13.40					
Jun	8557.00	285.23	366.00	565.00	30	11.50					
Jul	9265.00	298.87	446.00	562.00	31	14.30					
Aug	9134.00	294.65	376.00	544.00	31	12.30					
Sep	9238.00	307.93	593.00	545.00	30	18.90					
Oct	9455.00	305.00	414.00	554.00	31	13.10					
Nov	7142.00	238.07	308.00	560.00	30	10.70					
Dec	7844.00	253.03	445.00	582.00	31	13.60					
Total	102684.70	3426.10	5089.00	6755.60	359	161.50					
AVG	8557.06	285.51	424.08	562.97	30	13.46					
Max	10149.40	362.48	593.00	584.00	31	18.90					

## Facility Flow Summary

Drinking-Water System Number: 220001290  
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 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 178-101  
 Period being reported: Jan-15 Dec-15

Raw Water (Source Name)		Raw Water						
Source Type:		MMills DWS RW Well 5						
Drinking Water Permit to Take Water No:		Drilled						
		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	6029.00	194.48	246.00	570.80	31	10.10		
Feb	7443.00	265.82	355.00	452.50	28	14.60		
Mar	7708.90	248.67	386.00	467.00	31	16.40		
Apr	6219.00	207.30	321.00	460.00	30	13.00		
May	6954.00	224.32	318.00	431.00	31	13.50		
Jun	6510.00	217.00	282.00	450.00	30	11.50		
Jul	7065.00	227.90	352.00	440.00	31	14.30		
Aug	6932.00	223.61	299.00	448.00	31	12.30		
Sep	7185.00	239.50	448.00	434.00	30	18.90		
Oct	7204.00	232.39	316.00	435.00	31	13.10		
Nov	5464.00	182.13	237.00	448.00	30	10.70		
Dec	6136.00	197.94	366.00	440.00	31	13.60		
Total	80849.90	2661.07	3926.00	5476.30	365	162.00		
Avg	6737.49	221.76	327.17	456.36	30	13.50		
Max	7708.90	265.82	448.00	570.80	31	18.90		

## 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-15 Dec-15

Raw Water						
Raw Water (Source Name)						
Source Type: MMills DWS RW Well 6						
Drinking Water Permit to Take Water No: Drilled						
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	8454.20	272.72	352.70	731.10	31	10.10
Feb	10826.90	386.68	566.00	1127.50	28	15.40
Mar	11095.00	357.90	532.00	690.00	31	16.40
Apr	8783.00	292.77	447.00	645.00	30	13.00
May	9944.00	320.77	435.00	635.00	31	12.60
Jun	9310.00	310.33	401.00	633.00	30	11.50
Jul	10405.00	335.65	492.00	637.00	31	14.30
Aug	10186.00	328.58	423.00	672.00	31	12.30
Sep	10399.00	346.63	656.00	728.00	30	18.90
Oct	10464.00	337.55	461.00	767.00	31	13.10
Nov	7797.00	259.90	330.00	786.00	30	10.70
Dec	8485.00	273.71	508.00	739.00	31	13.50
Total	116149.10	3823.19	5603.70	8790.60	365	161.80
Avg	9679.09	318.60	466.97	732.55	30	13.48
Max	11095.00	386.68	656.00	1127.50	31	18.90

## 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-15 Dec-15

Raw Water						
Raw Water (Source Name)						
Source Type: MMills DWS RW Well 7						
Drinking Water Permit to Take Water No: Drilled						
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	9619.90	310.32	412.10	722.30	31	10.10
Feb	12252.00	437.57	615.00	677.50	28	15.40
Mar	12185.00	393.06	599.00	657.00	31	16.40
Apr	9631.00	321.03	514.00	688.00	30	13.00
May	10363.00	334.29	471.00	660.00	31	13.40
Jun	8867.00	295.57	394.00	660.00	30	11.50
Jul	9759.00	314.81	463.00	590.00	31	14.30
Aug	9375.00	302.42	400.00	649.00	31	12.30
Sep	9467.00	326.45	694.00	649.00	29	18.90
Oct	4493.00	320.93	472.00	1395.00	14	10.40
Nov	11119.00	370.63	466.00	935.00	30	9.20
Dec	12470.00	402.26	789.00	963.00	31	13.60
Total	119600.90	4129.34	6289.10	9245.80	347	158.50
Avg	9966.74	344.11	524.09	770.48	29	13.21
Max	12470.00	437.57	789.00	1395.00	31	18.90



## 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-15 Dec-15

Raw Water						
Raw Water (Source Name)						
Source Type: MMills DWS RW Well 8						
Drinking Water Permit to Take Water No: Drilled						
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	12437.00	401.19	532.90	919.00	31	10.10
Feb	16117.70	575.63	814.00	883.80	28	15.40
Mar	16368.00	528.00	796.00	864.00	31	16.40
Apr	12887.00	429.57	684.00	906.00	30	13.00
May	14328.00	462.19	647.00	880.00	31	13.40
Jun	12379.00	412.63	545.00	880.00	30	11.50
Jul	13793.00	444.94	649.00	795.00	31	14.30
Aug	12487.70	402.83	539.00	768.00	31	12.30
Sep	12317.00	410.57	837.00	761.00	30	18.90
Oct	12412.00	400.39	539.00	780.00	31	13.10
Nov	9740.00	324.67	401.00	781.00	30	9.10
Dec	10727.00	346.03	689.00	807.00	31	13.60
Total	155993.40	5138.64	7672.90	10024.80	365	161.10
AVG	12999.45	428.22	639.41	835.40	30	13.42
Max	16368.00	575.63	837.00	919.00	31	18.90