

City of Madison Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



2017 Certificate of Achievement Award.

Population Served:	7,425	System Population:	7,425
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Other Contacts:	Mayor Roy Lindsay 116 W Center Street Madison, SD 57042	Work Phone:	
		Home Phone:	
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		Email:	
Last Inspection:	May 18, 2016		
Type of System:	Community	Area Served:	Lake County
Number of Service Connections:	2,423	Contamination Risk:	moderate
Water Purchased From:			Big Sioux Community Water System (0429)
PWS Owner Type:	Local Government	Service Area:	Municipality
Contract Laboratory:			State Health Lab, Pierre

Monitoring/Reporting - Entry Point

City of Madison

EPA ID: 0199

SAMPLING

Entry point: Treatment Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-11		
	B. Arsenic	Every nine years	Yes	Apr-11		
	C. Barium	Every nine years	Yes	Apr-11		
	D. Beryllium	Every nine years	Yes	Apr-11		
	E. Cadmium	Every nine years	Yes	Apr-11		
	F. Chromium	Every nine years	Yes	Apr-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-11		
	J. Nickel	Every nine years	Yes	Apr-11		
	K. Selenium	Every nine years	Yes	Apr-11		
	L. Thallium	Every nine years	Yes	Apr-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-17	the second q	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-17		
	B. Method 524	Triennially	No	Jul-17		
	C. Method 525	Triennially	No	Jul-17		
	D. Method 531.1	Triennially	No	Jul-17		
	E. Method 547	Triennially	No	Jul-17		
	F. Method 548	Triennially	No	Jul-17		
	G. Method 549	Triennially	No	Jul-17		
5	Nitrate	Annually	N/A	Jul-17		
6	Nitrite	Triennially	N/A	Jul-17		

(These values are calculated from available data. Check correspondence for verification.)

Bacteriological Monitoring

Bacteriological sampling and analysis: January 1, 2017 to January 1, 2018

A Samples submitted:	<u>84</u>
B Samples required:	<u>Eight Samples Each Month.</u>
C Survey samples:	<u>0</u>
D Safe samples:	<u>84</u>
E Unsafe samples:	<u>0</u>
F Repeat samples:	<u>0</u>
H Groundwater Samples:	

Lead and Copper Monitoring

(These values are calculated from available data. Check correspondence for verification.)

A Date Last Tested:	<u>September 8, 2017</u>
B Samples required:	<u>40</u>
C Sampling Frequency	<u>Every Six Months</u>
D Date Due Next	
E Lead - 90% Level	<u>2.3</u> Action Level - 15 ug/l
F Copper 90% Level	<u>0.07</u> Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: January 1, 2017 to January 1, 2018

A Samples submitted:	<u>84</u>
B Samples required:	<u>Eight Samples Each Month.</u>
C Last Qtr Cl Residual:	<u>2.49</u> mg/l
D Running Annual Average:	<u>2.4</u> mg/l
E Date of last DBP test:	<u>August 15, 2017</u>
F THM - Qtr Average:	<u>19.45</u> ug/l
G Haa5 - Qtr Average:	<u>9.05</u> ug/l

Asbestos

A Date of last test:	<u>Waiver - Testing Not Required</u>
B Asbestos Result:	<u></u> million fibers per liter

Comments

Violations and Significant Deficiencies

City of Madison

EPA ID: 0199

Violations From **January 1, 2013** To **January 1, 2018**

Violation Type	Parameter	Date	Status
Sanitary Survey		04/15/2013	Intentional No-Action
			Compliance Achieved

Significant Deficiency	Date Identified	Date Corrected