

Brookings Municipal Utilities Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



Secretary Award For Drinking Water Excellence

Population Served:	22,980	System Population:	22,298
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Other Contacts:	Mr Steve Meyer PO Box 588 Brookings, SD 57006-0588	Work Phone:	
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		Email:	
Last Inspection:	March 12, 2015		
Type of System:	Community	Area Served:	Brookings County
Number of Service Connections:	7,340	Contamination Risk:	moderate
Water Sold To:			Aurora, University Estates
PWS Owner Type:	Local Government	Service Area:	Housing Development
Contract Laboratory:			State Health Lab, Pierre

Monitoring/Reporting - Entry Point

Brookings Municipal Utilities

EPA ID: 0071

SAMPLING

Entry point: North Treatment Plt.

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Nov-11		
	B. Arsenic	Every nine years	Yes	Nov-11		
	C. Barium	Every nine years	Yes	Nov-11		
	D. Beryllium	Every nine years	Yes	Nov-11		
	E. Cadmium	Every nine years	Yes	Nov-11		
	F. Chromium	Every nine years	Yes	Nov-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Nov-11		
	J. Nickel	Every nine years	Yes	Nov-11		
	K. Selenium	Every nine years	Yes	Nov-11		
	L. Thallium	Every nine years	Yes	Nov-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	Oct-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-17		
	B. Method 524	Triennially	No	Oct-17		
	C. Method 525	Triennially	No	Oct-17		
	D. Method 531.1	Triennially	No	Oct-17		
	E. Method 547	Triennially	No	Oct-17		
	F. Method 548	Triennially	No	Oct-17		
	G. Method 549	Triennially	No	Oct-17		
5	Nitrate	Annually-3rd Qtr	N/A	Aug-17		
6	Nitrite	Triennially	N/A	Aug-16		

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

Monitoring/Reporting - Entry Point

Brookings Municipal Utilities

EPA ID: 0071

SAMPLING

Entry point: East Treatment Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Nov-11		
	B. Arsenic	Every nine years	Yes	Nov-11		
	C. Barium	Every nine years	Yes	Nov-11		
	D. Beryllium	Every nine years	Yes	Nov-11		
	E. Cadmium	Every nine years	Yes	Nov-11		
	F. Chromium	Every nine years	Yes	Nov-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Nov-11		
	J. Nickel	Every nine years	Yes	Nov-11		
	K. Selenium	Every nine years	Yes	Nov-11		
	L. Thallium	Every nine years	Yes	Nov-11		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	Oct-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-17		
	B. Method 524	Triennially	No	Oct-17		
	C. Method 525	Triennially	No	Oct-17		
	D. Method 531.1	Triennially	No	Oct-17		
	E. Method 547	Triennially	No	Oct-17		
	F. Method 548	Triennially	No	Oct-17		
	G. Method 549	Triennially	No	Oct-17		
5	Nitrate	Annually	N/A	Aug-17		
6	Nitrite	Triennially	N/A	Aug-16		

(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>306</u>
B	Samples required:	<u>Twenty-five Samples Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>304</u>
E	Unsafe samples:	<u>2</u>
F	Repeat samples:	<u>6</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 25, 2017</u>
B	Samples required:	<u>30</u>
C	Sampling Frequency	<u>Triennially</u>
D	Date Due Next	<u>2017</u>
E	Lead - 90% Level	<u>8.8</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.03</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>306</u>
B	Samples required:	<u>Twenty-five Samples Each Month.</u>
C	Last Qtr Cl Residual:	<u>0.7</u> mg/l
D	Running Annual Average:	<u>0.8</u> mg/l
E	Date of last DBP test:	<u>October 3, 2017</u>
F	THM - Qtr Average:	<u>50.08</u> ug/l
G	Haa5 - Qtr Average:	<u>16</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

Brookings Municipal Utilities

EPA ID: 0071

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

Violation Type	Parameter	Date	Status
No Violations			

Significant Deficiency	Date Identified	Date Corrected