

# Big Sioux Community Water System Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



## Secretary Award For Drinking Water Excellence

<b>Population Served:</b>	9,348	<b>System Population:</b>	5,337
<b>Certified Operator:</b>	Mr Dave Bennett 23343 479th Ave Egan, SD 57024	<b>Work Phone:</b>	(605)997-2098
		<b>Home Phone:</b>	
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<b>Financial Contact:</b>	Mr Martin Jarrett 23343 479th Ave Egan, SD 57024	<b>Work Phone:</b>	(605)997-2098
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<b>Other Contacts:</b>	Mr Martin Jarrett 23343 479th Ave Egan, SD 57024	<b>Work Phone:</b>	
		<b>Home Phone:</b>	
		<b>Cell Phone:</b>	
		<b>Fax:</b>	
		<b>Email:</b>	bscws@bigsiouxcws.com
<b>Last Inspection:</b>	October 11, 2016		
<b>Type of System:</b>	Community	<b>Area Served:</b>	Brookings, Lake, Moody County
<b>Number of Service Connections:</b>	2,135	<b>Contamination Risk:</b>	moderate
<b>Water Purchased From:</b>			Minnehaha Community Water Corp (0432)
<b>PWS Owner Type:</b>	Private Ownership	<b>Service Area:</b>	Rural Water System/Colonies
<b>Contract Laboratory:</b>			Sioux Falls Health Laboratory

# Monitoring/Reporting - Entry Point

Big Sioux Community Water System

EPA ID: 0429

## SAMPLING

Entry point: Brandt Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Sep-17		
	B. Arsenic	Triennially	No	Sep-17		
	C. Barium	Triennially	No	Sep-17		
	D. Beryllium	Triennially	No	Sep-17		
	E. Cadmium	Triennially	No	Sep-17		
	F. Chromium	Triennially	No	Sep-17		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No	Sep-17		
	J. Nickel	Triennially	No	Sep-17		
	K. Selenium	Triennially	No	Sep-17		
	L. Thallium	Triennially	No	Sep-17		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals	Quarterly	No		2018	No Sampling Data
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	*bad date*	2018	
	B. Method 524	Triennially	No	*bad date*	2018	
	C. Method 525	Triennially	No	*bad date*	2018	
	D. Method 531.1	Triennially	No	*bad date*	2018	
	E. Method 547	Triennially	No	*bad date*	2018	
	F. Method 548	Triennially	No	*bad date*	2018	
	G. Method 549	Triennially	No	*bad date*	2018	
5	Nitrate	Annually	N/A	Sep-17		
6	Nitrite	Triennially	N/A	Sep-17		

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

# Monitoring/Reporting - Entry Point

Big Sioux Community Water System

EPA ID: 0429

## SAMPLING

Entry point: Egan Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Apr-12		
	B. Arsenic	Every nine years	Yes	Apr-12		
	C. Barium	Every nine years	Yes	Apr-12		
	D. Beryllium	Every nine years	Yes	Apr-12		
	E. Cadmium	Every nine years	Yes	Apr-12		
	F. Chromium	Every nine years	Yes	Apr-12		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Apr-12		
	J. Nickel	Every nine years	Yes	Apr-12		
	K. Selenium	Every nine years	Yes	Apr-12		
	L. Thallium	Every nine years	Yes	Apr-12		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals	Quarterly	No	May-15	2018	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Sep-15	2018	
	B. Method 524	Triennially	No	Sep-15	2018	
	C. Method 525	Triennially	No	Sep-15	2018	
	D. Method 531.1	Triennially	No	Sep-15	2018	
	E. Method 547	Triennially	No	Sep-15	2018	
	F. Method 548	Triennially	No	Sep-15	2018	
	G. Method 549	Triennially	No	Sep-15	2018	
5	Nitrate	Annually-1st Qtr	N/A	Jan-18		
6	Nitrite	Triennially	N/A	Feb-16		

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

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### Bacteriological Monitoring

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

A Samples submitted:	<u>75</u>
B Samples required:	<u>Six Samples Each Month.</u>
C Survey samples:	<u>0</u>
D Safe samples:	<u>75</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>October 25, 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>1.4</u> Action Level - 15 ug/l
F Copper 90% Level	<u>0.02</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>75</u>
B Samples required:	<u>Six Samples Each Month.</u>
C Last Qtr Cl Residual:	<u>1.57</u> mg/l
D Running Annual Average:	<u>1.29</u> mg/l
E Date of last DBP test:	<u>August 8, 2017</u>
F THM - Qtr Average:	<u>13.02</u> ug/l
G Haa5 - Qtr Average:	<u>1.08</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

Big Sioux Community Water System

EPA ID: 0429

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

Violation Type	Parameter	Date	Status
No Violations			

Significant Deficiency	Date Identified	Date Corrected