

Sioux Rural Water System Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



Secretary Award For Drinking Water Excellence

Population Served:	4,958	System Population:	4,000
Certified Operator:	Mr Heath Thompson 45703 176th Street Watertown, SD 57201-7186	Work Phone:	(605)882-1321
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		Email:	
Other Contacts:	Mr Darwin Mack 17538 467th Avenue Goodwin, SD 57238	Work Phone:	
		Home Phone:	
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		Email:	
Last Inspection:	May 22, 2014		
Type of System:	Community	Area Served:	Codington, Clark, Deuel, Hamlin, McCook County
Number of Service Connections:	1,435	Contamination Risk:	moderate
Water Sold To:			Bryant, Hayti, Hazel
PWS Owner Type:	Private Ownership	Service Area:	Rural Water System/Colonies
Contract Laboratory:			State Health Lab, Pierre

Monitoring/Reporting - Entry Point

Sioux Rural Water System

EPA ID: 0866

SAMPLING

Entry point: Sioux Tr. Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Nov-13		
	B. Arsenic	Every nine years	Yes	Nov-13		
	C. Barium	Every nine years	Yes	Nov-13		
	D. Beryllium	Every nine years	Yes	Nov-13		
	E. Cadmium	Every nine years	Yes	Nov-13		
	F. Chromium	Every nine years	Yes	Nov-13		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Nov-13		
	J. Nickel	Every nine years	Yes	Nov-13		
	K. Selenium	Every nine years	Yes	Nov-13		
	L. Thallium	Every nine years	Yes	Nov-13		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals		No	Nov-13		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Aug-16	2016	
	B. Method 524	Triennially	No	Aug-16	2016	
	C. Method 525	Triennially	No	Aug-16	2016	
	D. Method 531.1	Triennially	No	Aug-16	2016	
	E. Method 547	Triennially	No	Aug-16	2016	
	F. Method 548	Triennially	No	Aug-16	2016	
	G. Method 549	Triennially	No	Aug-16	2016	
5	Nitrate	Annually	N/A	Nov-15		
6	Nitrite	Triennially	N/A	Sep-14		

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

Monitoring/Reporting - Entry Point

Sioux Rural Water System

EPA ID: 0866

SAMPLING

Entry point: Castlewood Tr Plant

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Nov-13		
	B. Arsenic	Every nine years	Yes	Nov-13		
	C. Barium	Every nine years	Yes	Nov-13		
	D. Beryllium	Every nine years	Yes	Nov-13		
	E. Cadmium	Every nine years	Yes	Nov-13		
	F. Chromium	Every nine years	Yes	Nov-13		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Nov-13		
	J. Nickel	Every nine years	Yes	Nov-13		
	K. Selenium	Every nine years	Yes	Nov-13		
	L. Thallium	Every nine years	Yes	Nov-13		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals		No	Nov-13		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Aug-16	2016	
	B. Method 524	Triennially	No	Aug-16	2016	
	C. Method 525	Triennially	No	Aug-16	2016	
	D. Method 531.1	Triennially	No	Aug-16	2016	
	E. Method 547	Triennially	No	Aug-16	2016	
	F. Method 548	Triennially	No	Aug-16	2016	
	G. Method 549	Triennially	No	Aug-16	2016	
5	Nitrate	Annually	N/A	Nov-15		
6	Nitrite	Triennially	N/A	Sep-14		

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

Bacteriological Monitoring

Bacteriological sampling and analysis: October 1, 2015 to October 1, 2016

A Samples submitted:	<u>54</u>
B Samples required:	<u>Four Samples Each Month.</u>
C Survey samples:	<u>0</u>
D Safe samples:	<u>54</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>August 12, 2016</u>
B Samples required:	<u>20</u>
C Sampling Frequency	<u>Triennially</u>
D Date Due Next	<u>2016</u>
E Lead - 90% Level	<u>4.5</u> Action Level - 15 ug/l
F Copper 90% Level	<u>0.39</u> Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: October 1, 2015 to October 1, 2016

A Samples submitted:	<u>54</u>
B Samples required:	<u>Four Samples Each Month.</u>
C Last Qtr Cl Residual:	<u>0.73</u> mg/l
D Running Annual Average:	<u>0.76</u> mg/l
E Date of last DBP test:	<u>August 24, 2015</u>
F THM - Qtr Average:	<u>57.4</u> ug/l
G Haa5 - Qtr Average:	<u>22.2</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

Sioux Rural Water System

EPA ID: 0866

Violations From

October 1, 2011

To

October 1, 2016

Violation Type	Parameter	Date	Status
No Violations			

Significant Deficiency	Date Identified	Date Corrected