

City of Spearfish Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)



2015 Certificate of Achievement Award.

Population Served:	10,697	System Population:	10,697
Certified Operator:	Mr Robert Glenn 625 N 5th Street Spearfish, SD 57783	Work Phone:	(605)642-1333
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		Cell Phone:	
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		Email:	robert.glenn@cityofspearfish.com
Financial Contact:	Mr Joe Neeb 625 N 5th Street Spearfish, SD 57783-2311	Work Phone:	(605)642-1325
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	joseph.neeb@cityofspearfish.com
Other Contacts:	Mayor Dana Boke 625 N 5th Street Spearfish, SD 57783-2311	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	
Last Inspection:	November 7, 2013		
Type of System:	Community	Area Served:	Lawrence County
Number of Service Connections:	4,024	Contamination Risk:	low
Water Produced And Used By The City of Spearfish Public Water System			
PWS Owner Type:	Local Government	Service Area:	Municipality
Contract Laboratory:			Midcontinent Laboratory

Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Young

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Aug-14		
	B. Arsenic	Triennially	No	Aug-14		
	C. Barium	Triennially	No	Aug-14		
	D. Beryllium	Triennially	No	Aug-14		
	E. Cadmium	Triennially	No	Aug-14		
	F. Chromium	Triennially	No	Aug-14		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No	Aug-14		
	J. Nickel	Triennially	No	Aug-14		
	K. Selenium	Triennially	No	Aug-14		
	L. Thallium	Triennially	No	Aug-14		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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

Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Nevin

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Aug-14		
	B. Arsenic	Every nine years	Yes	Aug-14		
	C. Barium	Every nine years	Yes	Aug-14		
	D. Beryllium	Every nine years	Yes	Aug-14		
	E. Cadmium	Every nine years	Yes	Aug-14		
	F. Chromium	Every nine years	Yes	Aug-14		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Aug-14		
	J. Nickel	Every nine years	Yes	Aug-14		
	K. Selenium	Every nine years	Yes	Aug-14		
	L. Thallium	Every nine years	Yes	Aug-14		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Kyte

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	May-15		
	B. Arsenic	Triennially	No	May-15		
	C. Barium	Triennially	No	May-15		
	D. Beryllium	Triennially	No	May-15		
	E. Cadmium	Triennially	No	May-15		
	F. Chromium	Triennially	No	May-15		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No	May-15		
	J. Nickel	Triennially	No	May-15		
	K. Selenium	Triennially	No	May-15		
	L. Thallium	Triennially	No	May-15		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Vigna

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Feb-12		
	B. Arsenic	Every nine years	Yes	Feb-12		
	C. Barium	Every nine years	Yes	Feb-12		
	D. Beryllium	Every nine years	Yes	Feb-12		
	E. Cadmium	Every nine years	Yes	Feb-12		
	F. Chromium	Every nine years	Yes	Feb-12		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Feb-12		
	J. Nickel	Every nine years	Yes	Feb-12		
	K. Selenium	Every nine years	Yes	Feb-12		
	L. Thallium	Every nine years	Yes	Feb-12		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Ellingson

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	May-15		
	B. Arsenic	Triennially	No	May-15		
	C. Barium	Triennially	No	May-15		Waiver has expired
	D. Beryllium	Triennially	No	May-15		
	E. Cadmium	Triennially	No	May-15		Waiver has expired
	F. Chromium	Triennially	No	May-15		Waiver has expired
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No	May-15		Waiver has expired
	J. Nickel	Triennially	No	May-15		
	K. Selenium	Triennially	No	May-15		Waiver has expired
	L. Thallium	Triennially	No	May-15		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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Monitoring/Reporting - Entry Point

City of Spearfish

EPA ID: 0311

SAMPLING

Entry point: Treat Site - Dickey

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Jan-12		
	B. Arsenic	Every nine years	Yes	Jan-12		
	C. Barium	Every nine years	Yes	Jan-12		
	D. Beryllium	Every nine years	Yes	Jan-12		
	E. Cadmium	Every nine years	Yes	Jan-12		
	F. Chromium	Every nine years	Yes	Jan-12		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Every nine years	Yes	Jan-12		
	J. Nickel	Every nine years	Yes	Jan-12		
	K. Selenium	Every nine years	Yes	Jan-12		
	L. Thallium	Every nine years	Yes	Jan-12		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals		No	Jul-15		
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-15	2018	
	B. Method 524	Triennially	No	Oct-15	2018	
	C. Method 525	Triennially	No	Oct-15	2018	
	D. Method 531.1	Triennially	No	Oct-15	2018	
	E. Method 547	Triennially	No	Oct-15	2018	
	F. Method 548	Triennially	No	Oct-15	2018	
	G. Method 549	Triennially	No	Oct-15	2018	
5	Nitrate	Annually	N/A	Aug-16		
6	Nitrite	Triennially	N/A	Jul-14		

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Bacteriological Monitoring

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

A Samples submitted:	<u>110</u>
B Samples required:	<u>Ten Samples Each Month.</u>
C Survey samples:	<u>0</u>
D Safe samples:	<u>110</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>July 19, 2015</u>
B Samples required:	<u>30</u>
C Sampling Frequency	<u>Triennially</u>
D Date Due Next	<u>2015</u>
E Lead - 90% Level	<u>5</u> Action Level - 15 ug/l
F Copper 90% Level	<u>0.19</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>110</u>
B Samples required:	<u>Ten Samples Each Month.</u>
C Last Qtr Cl Residual:	<u>0.4</u> mg/l
D Running Annual Average:	<u>0.43</u> mg/l
E Date of last DBP test:	<u>August 11, 2015</u>
F THM - Qtr Average:	<u>1.22</u> ug/l
G Haa5 - Qtr Average:	<u>0</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 Spearfish

EPA ID: 0311

Violations From October 1, 2011 To October 1, 2016

Violation Type	Parameter	Date	Status
Failure to Take Source Samples	E. Coli	01/12/2013	Public Notice Requested
	E. Coli		Compliance Achieved
	E. Coli		Public Notice Received

Significant Deficiency	Date Identified	Date Corrected