

Shirt Tail Gulch Development Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)

This system is not a candidate for an award:

Violation

Population Served:	60	System Population:	60
Certified Operator:	Mr Rollin Sieveke PO Box 698 Lead, SD 57754	Work Phone:	
		Home Phone:	(605)578-1513
		Cell Phone:	
		Fax:	(605)578-1287
		Email:	rsieveke@gmail.com
Financial Contact:	Mr Jon Mattson PO Box 269 Deadwood, SD 57732	Work Phone:	(605)578-1713
		Home Phone:	(605)578-1713
		Cell Phone:	
		Fax:	(605) 578-171
		Email:	jonbarbbh@yahoo.com
Other Contacts:	Ms Sharlene Wilson 500 S Alexander Clay Center, NE 68933	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	sharlenewilson@hotmail.com
Last Inspection:	November 15, 2017		
Type of System:	Community	Area Served:	Lawrence County
Number of Service Connections:	24	Contamination Risk:	moderate
Water Produced And Used By The Shirt Tail Gulch Development Public Water System			
PWS Owner Type:	Private Ownership	Service Area:	Housing Development
Contract Laboratory:			Midcontinent Laboratory

Monitoring/Reporting - Entry Point

Shirt Tail Gulch Development

EPA ID: 2232

SAMPLING

Entry point: Treat Site - Well #2

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Nov-17		
	B. Arsenic	Triennially	No	Nov-17		
	C. Barium	Triennially	No	Nov-17		
	D. Beryllium	Triennially	No	Nov-17		
	E. Cadmium	Triennially	No	Nov-17		
	F. Chromium	Triennially	No	Nov-17		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Triennially	No	Nov-17		
	I. Mercury	Triennially	No	Nov-17		
	J. Nickel	Triennially	No	Nov-17		
	K. Selenium	Triennially	No	Nov-17		
	L. Thallium	Triennially	No	Nov-17		
2	Radiological Chemicals	Quarterly	N/A			
3	VOC Chemicals	Quarterly	No	Jul-17	2018	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Apr-17	2019	
	B. Method 524	Triennially	No	Apr-17	2019	
	C. Method 525	Triennially	No	Apr-17	2019	
	D. Method 531.1	Triennially	No	Apr-17	2019	
	E. Method 547	Triennially	No	Apr-17	2019	
	F. Method 548	Triennially	No	Apr-17	2019	
	G. Method 549	Triennially	No	Apr-17	2019	
5	Nitrate	Annually	N/A	Jun-17		
6	Nitrite	Triennially	N/A	Jun-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>12</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>12</u>
E	Unsafe samples:	<u>0</u>
F	Repeat samples:	<u>0</u>
H	Groundwater Samples:	<u></u>

Lead and Copper Monitoring

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

A	Date Last Tested:	<u>November 2, 2017</u>
B	Samples required:	<u>5</u>
C	Sampling Frequency	<u>Triennially</u>
D	Date Due Next	<u>2019</u>
E	Lead - 90% Level	<u>1.5</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.105</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>12</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Last Qtr Cl Residual:	<u>0.74</u> mg/l
D	Running Annual Average:	<u>0.7</u> mg/l
E	Date of last DBP test:	<u>September 21, 2016</u>
F	THM - Qtr Average:	<u>0</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

Shirt Tail Gulch Development

EPA ID: 2232

Violations From January 1, 2013

To

January 1, 2018

Violation Type	Parameter	Date	Status
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2017	Public Notice Requested
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2017	Public Notice Requested
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2017	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	07/01/2017	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2017	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	04/01/2017	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2017	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2017	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Failure to Monitor	Uranium	01/01/2017	Public Notice Requested
	Uranium		Public Notice Received
	Uranium		Compliance Achieved
Failure to Monitor	Combined Radium	01/01/2017	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		Compliance Achieved
Failure to Monitor	Alpha Emitters	01/01/2017	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2016	Public Notice Requested
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2016	Public Notice Requested
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2016	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
	Combined Radium		Public Notice Received
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2016	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty

Exceedance of Allowable Contaminant Level	Alpha Emitters	07/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	04/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2015	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	01/01/2015	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Lack of Certified Operator	Certified Operator	02/01/2015	Reminder Notice
	DBP		Compliance Achieved
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2014	Public Notice Requested
	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2014	Public Notice Requested
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	Alpha Emitters		Public Notice Received
	Alpha Emitters		State Action-No Penalty
Exceedance of Allowable Contaminant Level	IOCs - Arsenic	04/01/2014	Public Notice Requested
	IOCs - Arsenic		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	10/01/2013	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Alpha Emitters	10/01/2013	Public Notice Requested
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	Combined Radium		State Action-No Penalty
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2013	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty

Significant Deficiency	Date Identified	Date Corrected