

Cedar Gulch #1 Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)

This system is not a candidate for an award:

Operator Certification , Violation

Population Served:	45	System Population:	45
Certified Operator:	Mr Zach Shull 23566 Cattle Drive Rapid City, SD 57703	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	zach.shull12@gmail.com
Financial Contact:	Ms Lane Shull 23566 Cattle Drive Rapid City, SD 57703	Work Phone:	
		Home Phone:	(605)786-7326
		Cell Phone:	
		Fax:	
		Email:	lane@cultivateletters.com
Other Contacts:	Mr Zach Shull 23566 Cattle Drive Rapid City, SD 57703	Work Phone:	
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	zach.shull12@gmail.com
Last Inspection:	June 17, 2015		
Type of System:	Community	Area Served:	Pennington County
Number of Service Connections:	14	Contamination Risk:	high
Water Produced And Used By The Cedar Gulch #1 Public Water System			
PWS Owner Type:	Private Ownership	Service Area:	Housing Development
Contract Laboratory:			Midcontinent Laboratory

Monitoring/Reporting - Entry Point

Cedar Gulch #1

EPA ID: 2301

SAMPLING

Entry point: Well #1

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Oct-16		
	B. Arsenic	Triennially	No	Oct-16		
	C. Barium	Triennially	No	Oct-16		
	D. Beryllium	Triennially	No	Oct-16		
	E. Cadmium	Triennially	No	Oct-16		
	F. Chromium	Triennially	No	Oct-16		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Triennially	No	Oct-16		
	I. Mercury	Triennially	No	Oct-16		
	J. Nickel	Triennially	No	Oct-16		
	K. Selenium	Triennially	No	Oct-16		
	L. Thallium	Triennially	No	Oct-16		
2	Radiological Chemicals	Annually	N/A			
3	VOC Chemicals	Quarterly	No	Dec-17	2017	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Oct-16	2019	
	B. Method 524	Triennially	No	Oct-16	2019	
	C. Method 525	Triennially	No	Oct-16	2019	
	D. Method 531.1	Triennially	No	Oct-16	2019	
	E. Method 547	Triennially	No	Oct-16	2019	
	F. Method 548	Triennially	No	Oct-16	2019	
	G. Method 549	Triennially	No	Oct-16	2019	
5	Nitrate	Annually	N/A	Dec-17		
6	Nitrite	Triennially	N/A	Nov-15		

(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>10</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>9</u>
E	Unsafe samples:	<u>1</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>September 30, 2016</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</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.115</u> Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: to

A	Samples submitted:	<u>No Tests</u>
B	Samples required:	
C	Last Qtr CI Residual:	<u></u> mg/l
D	Running Annual Average:	<u></u> mg/l
E	Date of last DBP test:	<u>No Tests</u>
F	THM - Qtr Average:	<u></u> ug/l
G	Haa5 - Qtr Average:	<u></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

Cedar Gulch #1

EPA ID: 2301

Violations From January 1, 2013 To January 1, 2018

Violation Type	Parameter	Date	Status
Failure to Monitor	Uranium	01/01/2017	Public Notice Requested
Failure to Monitor	Combined Radium	01/01/2017	Public Notice Requested
Failure to Monitor	Alpha Emitters	01/01/2017	Public Notice Requested
FTM-Routine Samples	RTCR	08/01/2017	Public Notice Requested
No Level I Assessment	RTCR	04/13/2017	Public Notice Requested
	RTCR		Compliance Achieved
	RTCR		Public Notice Received
FTM-Routine Samples	RTCR	01/01/2017	Public Notice Requested
	RTCR		Compliance Achieved
Failure to Send Lead Consumer Notifications	Lead/Copper	01/01/2017	Reminder Notice
	Lead/Copper		Compliance Achieved
Failure to Take Source Samples	E. Coli	03/04/2017	Public Notice Requested
	E. Coli		Public Notice Received
	E. Coli		Compliance Achieved
FTM-Routine Samples	RTCR	12/01/2016	Public Notice Requested
	RTCR		Compliance Achieved
FTM-Routine Samples	RTCR	11/01/2016	Public Notice Requested
	RTCR		Compliance Achieved
Failure To Address Significant Deficiency On	Groundwater Rule	04/01/2016	Reminder Notice
	Groundwater Rule		Compliance Achieved
Routine Sample Monitoring Violation	Total Coliform Bacteria	12/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Failure to Monitor	SOCs - Diquat	01/01/2014	Public Notice Requested
	SOCs - Diquat		Compliance Achieved
Failure to Monitor	SOCs - Glyphosate	01/01/2014	Public Notice Requested
	SOCs - Glyphosate		Compliance Achieved
Failure to Monitor	SOCs - Endothall	01/01/2014	Public Notice Requested
	SOCs - Endothall		Compliance Achieved
Failure to Monitor	SOCs - Ethylene dibromide	01/01/2014	Public Notice Requested
	SOCs - Ethylene dibromide		Compliance Achieved
Failure to Monitor	SOCs - Dibromochloropropane	01/01/2014	Public Notice Requested
	SOCs - Dibromochloropropane		Compliance Achieved
Failure to Monitor	SOCs - 2,4-D	01/01/2014	Public Notice Requested
	SOCs - 2,4-D		Compliance Achieved
Failure to Monitor	SOCs - Pichloram	01/01/2014	Public Notice Requested
	SOCs - Pichloram		Compliance Achieved
Failure to Monitor	SOCs - Pentachlorophenol	01/01/2014	Public Notice Requested
	SOCs - Pentachlorophenol		Compliance Achieved
Failure to Monitor	SOCs - 2,4,5-TP (Silvex)	01/01/2014	Public Notice Requested
	SOCs - 2,4,5-TP (Silvex)		Compliance Achieved
Failure to Monitor	SOCs - Dinoseb	01/01/2014	Public Notice Requested
	SOCs - Dinoseb		Compliance Achieved
Failure to Monitor	SOCs - Dalapon	01/01/2014	Public Notice Requested
	SOCs - Dalapon		Compliance Achieved
Failure to Monitor	SOCs - Oxamyl	01/01/2014	Public Notice Requested
	SOCs - Oxamyl		Compliance Achieved
Failure to Monitor	SOCs - Carbofuran	01/01/2014	Public Notice Requested
	SOCs - Carbofuran		Compliance Achieved

Failure to Monitor	SOCs - Simazine	01/01/2014	Public Notice Requested
	SOCs - Simazine		Compliance Achieved
Failure to Monitor	SOCs - Toxaphene	01/01/2014	Public Notice Requested
	SOCs - Toxaphene		Compliance Achieved
Failure to Monitor	SOCs - Chlordane	01/01/2014	Public Notice Requested
	SOCs - Chlordane		Compliance Achieved
Failure to Monitor	SOCs - Lindane	01/01/2014	Public Notice Requested
	SOCs - Lindane		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorobenzene	01/01/2014	Public Notice Requested
	SOCs - Hexachlorobenzene		Compliance Achieved
Failure to Monitor	SOCs - Endrin	01/01/2014	Public Notice Requested
	SOCs - Endrin		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorocyclopentadiene	01/01/2014	Public Notice Requested
	SOCs - Hexachlorocyclopentadiene		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)phthalate	01/01/2014	Public Notice Requested
	SOCs - Di(2-ethylhexyl)phthalate		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)adipate)	01/01/2014	Public Notice Requested
	SOCs - Di(2-ethylhexyl)adipate)		Compliance Achieved
Failure to Monitor	SOCs - PCBs	01/01/2014	Public Notice Requested
	SOCs - PCBs		Compliance Achieved
Failure to Monitor	SOCs - Methoxychlor	01/01/2014	Public Notice Requested
	SOCs - Methoxychlor		Compliance Achieved
Failure to Monitor	SOCs - Benzo(a)pyrene (PAH)	01/01/2014	Public Notice Requested
	SOCs - Benzo(a)pyrene (PAH)		Compliance Achieved
Failure to Monitor	SOCs - Atrazine	01/01/2014	Public Notice Requested
	SOCs - Atrazine		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor Epoxide	01/01/2014	Public Notice Requested
	SOCs - Heptachlor Epoxide		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor	01/01/2014	Public Notice Requested
	SOCs - Heptachlor		Compliance Achieved
Failure to Monitor	SOCs - Alachlor	01/01/2014	Public Notice Requested
	SOCs - Alachlor		Compliance Achieved
Failure to Monitor	VOCs - Toluene	01/01/2014	Public Notice Requested
	VOCs - Toluene		Compliance Achieved
Failure to Monitor	VOCs - Trichloroethylene	01/01/2014	Public Notice Requested
	VOCs - Trichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloroethane	01/01/2014	Public Notice Requested
	VOCs - 1,2 Dichloroethane		Compliance Achieved
Failure to Monitor	VOCs - p-Dichlorobenzene	01/01/2014	Public Notice Requested
	VOCs - p-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Benzene	01/01/2014	Public Notice Requested
	VOCs - Benzene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloropropane	01/01/2014	Public Notice Requested
	VOCs - 1,2 Dichloropropane		Compliance Achieved
Failure to Monitor	VOCs - trans 1,2 Dichloroethylene	01/01/2014	Public Notice Requested
	VOCs - trans 1,2 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - o-Dichlorobenzene	01/01/2014	Public Notice Requested
	VOCs - o-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Styrene	01/01/2014	Public Notice Requested
	VOCs - Styrene		Compliance Achieved
Failure to Monitor	VOCs - Chlorobenzene	01/01/2014	Public Notice Requested
	VOCs - Chlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Carbon Tetrachloride	01/01/2014	Public Notice Requested
	VOCs - Carbon Tetrachloride		Compliance Achieved
Failure to Monitor	VOCs - 1,1 Dichloroethylene	01/01/2014	Public Notice Requested
	VOCs - 1,1 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - Total Xylenes	01/01/2014	Public Notice Requested
	VOCs - Total Xylenes		Compliance Achieved

Failure to Monitor	VOCs - 1,1,2 Trichloroethane	01/01/2014	Public Notice Requested
	VOCs - 1,1,2 Trichloroethane		Compliance Achieved
Failure to Monitor	VOCs - 1,2,4 Trichlorobenzene	01/01/2014	Public Notice Requested
	VOCs - 1,2,4 Trichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Dichloromethane	01/01/2014	Public Notice Requested
	VOCs - Dichloromethane		Compliance Achieved
Failure to Monitor	VOCs - Ethylbenzene	01/01/2014	Public Notice Requested
	VOCs - Ethylbenzene		Compliance Achieved
Failure to Monitor	VOCs - Tetrachloroethylene	01/01/2014	Public Notice Requested
	VOCs - Tetrachloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,1,1 Trichloroethane	01/01/2014	Public Notice Requested
	VOCs - 1,1,1 Trichloroethane		Compliance Achieved
Failure to Monitor	VOCs - Vinyl Chloride	01/01/2014	Public Notice Requested
	VOCs - Vinyl Chloride		Compliance Achieved
Failure to Monitor	VOCs - cis 1,2 Dichloroethylene	01/01/2014	Public Notice Requested
	VOCs - cis 1,2 Dichloroethylene		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	01/01/2014	Public Notice Requested
	Combined Radium		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
	Combined Radium		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	07/01/2013	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
	Combined Radium		Compliance Achieved
Exceedance of Allowable Contaminant Level	Combined Radium	04/01/2013	Public Notice Requested
	Combined Radium		Public Notice Received
	Combined Radium		State Action-No Penalty
	Combined Radium		Compliance Achieved
Failure to Monitor	VOCs - Toluene	04/01/2013	Public Notice Requested
	VOCs - Toluene		Compliance Achieved
Failure to Monitor	VOCs - Trichloroethylene	04/01/2013	Public Notice Requested
	VOCs - Trichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloroethane	04/01/2013	Public Notice Requested
	VOCs - 1,2 Dichloroethane		Compliance Achieved
Failure to Monitor	VOCs - p-Dichlorobenzene	04/01/2013	Public Notice Requested
	VOCs - p-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Benzene	04/01/2013	Public Notice Requested
	VOCs - Benzene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloropropane	04/01/2013	Public Notice Requested
	VOCs - 1,2 Dichloropropane		Compliance Achieved
Failure to Monitor	VOCs - trans 1,2 Dichloroethylene	04/01/2013	Public Notice Requested
	VOCs - trans 1,2 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - o-Dichlorobenzene	04/01/2013	Public Notice Requested
	VOCs - o-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Styrene	04/01/2013	Public Notice Requested
	VOCs - Styrene		Compliance Achieved
Failure to Monitor	VOCs - Chlorobenzene	04/01/2013	Public Notice Requested
	VOCs - Chlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Carbon Tetrachloride	04/01/2013	Public Notice Requested
	VOCs - Carbon Tetrachloride		Compliance Achieved
Failure to Monitor	VOCs - 1,1 Dichloroethylene	04/01/2013	Public Notice Requested
	VOCs - 1,1 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - Total Xylenes	04/01/2013	Public Notice Requested
	VOCs - Total Xylenes		Compliance Achieved
Failure to Monitor	VOCs - 1,1,2 Trichloroethane	04/01/2013	Public Notice Requested
	VOCs - 1,1,2 Trichloroethane		Compliance Achieved

Failure to Monitor	VOCs - 1,2,4 Trichlorobenzene	04/01/2013	Public Notice Requested
	VOCs - 1,2,4 Trichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Dichloromethane	04/01/2013	Public Notice Requested
	VOCs - Dichloromethane		Compliance Achieved
Failure to Monitor	VOCs - Ethylbenzene	04/01/2013	Public Notice Requested
	VOCs - Ethylbenzene		Compliance Achieved
Failure to Monitor	VOCs - Tetrachloroethylene	04/01/2013	Public Notice Requested
	VOCs - Tetrachloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,1,1 Trichloroethane	04/01/2013	Public Notice Requested
	VOCs - 1,1,1 Trichloroethane		Compliance Achieved
Failure to Monitor	VOCs - Vinyl Chloride	04/01/2013	Public Notice Requested
	VOCs - Vinyl Chloride		Compliance Achieved
Failure to Monitor	VOCs - cis 1,2 Dichloroethylene	04/01/2013	Public Notice Requested
	VOCs - cis 1,2 Dichloroethylene		Compliance Achieved
Failure to Monitor	SOCs - Diquat	04/01/2013	Public Notice Requested
	SOCs - Diquat		Compliance Achieved
Failure to Monitor	SOCs - Glyphosate	04/01/2013	Public Notice Requested
	SOCs - Glyphosate		Compliance Achieved
Failure to Monitor	SOCs - Endothall	04/01/2013	Public Notice Requested
	SOCs - Endothall		Compliance Achieved
Failure to Monitor	SOCs - Ethylene dibromide	04/01/2013	Public Notice Requested
	SOCs - Ethylene dibromide		Compliance Achieved
Failure to Monitor	SOCs - Dibromochloropropane	04/01/2013	Public Notice Requested
	SOCs - Dibromochloropropane		Compliance Achieved
Failure to Monitor	SOCs - 2,4-D	04/01/2013	Public Notice Requested
	SOCs - 2,4-D		Compliance Achieved
Failure to Monitor	SOCs - Pichloram	04/01/2013	Public Notice Requested
	SOCs - Pichloram		Compliance Achieved
Failure to Monitor	SOCs - Pentachlorophenol	04/01/2013	Public Notice Requested
	SOCs - Pentachlorophenol		Compliance Achieved
Failure to Monitor	SOCs - 2,4,5-TP (Silvex)	04/01/2013	Public Notice Requested
	SOCs - 2,4,5-TP (Silvex)		Compliance Achieved
Failure to Monitor	SOCs - Dinoseb	04/01/2013	Public Notice Requested
	SOCs - Dinoseb		Compliance Achieved
Failure to Monitor	SOCs - Dalapon	04/01/2013	Public Notice Requested
	SOCs - Dalapon		Compliance Achieved
Failure to Monitor	SOCs - Oxamyl	04/01/2013	Public Notice Requested
	SOCs - Oxamyl		Compliance Achieved
Failure to Monitor	SOCs - Carbofuran	04/01/2013	Public Notice Requested
	SOCs - Carbofuran		Compliance Achieved
Failure to Monitor	SOCs - Simazine	04/01/2013	Public Notice Requested
	SOCs - Simazine		Compliance Achieved
Failure to Monitor	SOCs - Toxaphene	04/01/2013	Public Notice Requested
	SOCs - Toxaphene		Compliance Achieved
Failure to Monitor	SOCs - Chlordane	04/01/2013	Public Notice Requested
	SOCs - Chlordane		Compliance Achieved
Failure to Monitor	SOCs - Lindane	04/01/2013	Public Notice Requested
	SOCs - Lindane		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorobenzene	04/01/2013	Public Notice Requested
	SOCs - Hexachlorobenzene		Compliance Achieved
Failure to Monitor	SOCs - Endrin	04/01/2013	Public Notice Requested
	SOCs - Endrin		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorocyclopentadiene	04/01/2013	Public Notice Requested
	SOCs - Hexachlorocyclopentadiene		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)phthalate	04/01/2013	Public Notice Requested
	SOCs - Di(2-ethylhexyl)phthalate		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)adipate)	04/01/2013	Public Notice Requested
	SOCs - Di(2-ethylhexyl)adipate)		Compliance Achieved

Failure to Monitor	SOCs - PCBs	04/01/2013	Public Notice Requested
	SOCs - PCBs		Compliance Achieved
Failure to Monitor	SOCs - Methoxychlor	04/01/2013	Public Notice Requested
	SOCs - Methoxychlor		Compliance Achieved
Failure to Monitor	SOCs - Benzo(a)pyrene (PAH)	04/01/2013	Public Notice Requested
	SOCs - Benzo(a)pyrene (PAH)		Compliance Achieved
Failure to Monitor	SOCs - Atrazine	04/01/2013	Public Notice Requested
	SOCs - Atrazine		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor Epoxide	04/01/2013	Public Notice Requested
	SOCs - Heptachlor Epoxide		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor	04/01/2013	Public Notice Requested
	SOCs - Heptachlor		Compliance Achieved
Failure to Monitor	SOCs - Alachlor	04/01/2013	Public Notice Requested
	SOCs - Alachlor		Compliance Achieved

Significant Deficiency	Date Identified	Date Corrected