

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 Cl 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
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	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
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	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
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Failure to Monitor	SOCs - Chlordane	04/01/2013	Public Notice Requested
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Failure to Monitor	SOCs - Lindane	04/01/2013	Public Notice Requested
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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

EPA ID#: 2301 System Name: Cedar Gulch #1

Sampler- Mr Zach Shull Work Phone-
Title- Water Manager
Address- 23566 Cattle Drive
Rapid City SD 57703

Location- City: County: Pennington
Service Area- Homeowners Association
PWS Owner Type- Private Ownership
Water Supply Type- Groundwater Supply

Population Served- 45 Service Connections- 14

Sources for Cedar Gulch I

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	#1	1994	2427	7	Permanent	Groundwater	Non-Vulnerable	No Treatment

EPA ID#: 2301 System Name: Cedar Gulch #1

Common Ion Data

(All chemical data are reported in milligrams per liter (mg/l) except pH and Langlier Index)

Please refer to Private Well Data for more information about these test results.

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
01	Raw	05/23/12	570	814	7.71	228	0	58	6.0	80.0	23.0	2.55	0.16	6.0	222	278	0	290	+0.22	0.0	0.60

You can contact us by calling or
write us at
23566 Cattle Drive
Rapid City SD 57703

Cedar Gulch #1

2017 Drinking Water Report

It's your tap water!



EPA ID: 2301



Water Quality

Last year, the Cedar Gulch #1 monitored your drinking water for possible contaminants. This brochure is a snapshot of the quality of the water that we provided last year. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies.

Water Source

We serve more than 45 customers an average of 3,375 gallons of water per day. Our water is groundwater that we produce from local wells. The state has performed an assessment of our source water and they have determined that the relative susceptibility rating for the Cedar Gulch I public water supply system is high.

For more information about your water and information on opportunities to participate in public meetings, call and ask for Lane Shull.

Additional Information

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- *Radioactive contaminants*, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants can be obtained by calling the Environment Protection Agency's Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Cedar Gulch #1 public water supply system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Detected Contaminants

The attached table lists all the drinking water contaminants that we detected during the 2017 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 – December 31, 2017. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

Violations

Your system had violations in 2017 and this report is being used as a public notice. Although these incidences were not an emergency, as customers, you have the right to know what happened and what we did to correct the situation. An alternative water supply was never needed and there is nothing you need to do at this time.

Information concerning these violations can be found on the attached Table of Violations. For additional information concerning any violation, please contact us. Please share this information with all the people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and business). You can do this by posting this notice in a public place or distributing copies by hand or by mail.

2017 Table of Detected Contaminants For Cedar Gulch I (EPA ID 2301)

Terms and abbreviations used in this table:

- * **Maximum Contaminant Level Goal(MCLG):** the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- * **Maximum Contaminant Level(MCL):** the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- * **Action Level(AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.
- * **Treatment Technique(TT):** A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU
- * **Running Annual Average(RAA):** Compliance is calculated using the running annual average of samples from designated monitoring locations.

Units:

- *MFL: million fibers per liter
- *pCi/l: picocuries per liter(a measure of radioactivity)
- *ppt: parts per trillion, or nanograms per liter
- *mrem/year: millirems per year(a measure of radiation absorbed by the body)
- *ppm: parts per million, or milligrams per liter(mg/l)
- *ppq: parts per quadrillion, or picograms per liter
- *NTU: Nephelometric Turbidity Units
- *ppb: parts per billion, or micrograms per liter(ug/l)
- *pspm: positive samples per month

Substance	90% Level	Test Sites > Action Level	Date Tested	Highest Level Allowed (AL)	Ideal Goal	Units	Major Source of Contaminant
Copper	0.1	0	09/30/16	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	1	0	09/30/16	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
Alpha emitters	6	ND - 6	12/30/16	15	0	pCi/l	Erosion of natural deposits.
Combined Radium	3	ND - 3	12/30/16	5	0	pCi/l	Erosion of natural deposits.
Total Coliform Bacteria	1	positive samples		1	0	pspm	Naturally present in the environment.

Please direct questions regarding this information to Mr Zach Shull with the Cedar Gulch I public water system.

2017 Information on Violations For Cedar Gulch I (EPA ID 2301)

(This Drinking Water Report can be used as a Tier III Public Notice if distributed to each customer within 12 months of when the system was notified of the violation.)

Violation Type	Parameter	Date System Notified	Duration In Months	Health Effects Language	Action Taken By Your System
FTM-Routine Samples	RTCR	02/03/17			Back in compliance.
Failure to Send Lead Consumer Notifications	Lead/Copper	02/06/17		Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.	Back in compliance.
Failure to Take Source Samples	E. coli	03/14/17		We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Since we did not monitor for these contaminants we cannot be sure of the quality of the drinking water.	Back in compliance.
No Level I Assessment	RTCR	05/01/17			Back in compliance.
FTM-Routine Samples	RTCR	09/06/17			Corrective action taken by your system: <input checked="" type="checkbox"/> We have since completed the required compliance measures. <input type="checkbox"/> We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. <input type="checkbox"/> The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. <input type="checkbox"/> Other(specify)_____
Failure to Monitor	Alpha Emitters	01/17/18	12	We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Since we did not monitor for these contaminants we cannot be sure of the quality of the drinking water.	Corrective action taken by your system: <input checked="" type="checkbox"/> We have since completed the required compliance measures. <input type="checkbox"/> We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. <input type="checkbox"/> The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. <input type="checkbox"/> Other(specify)_____
Failure to Monitor	Combined Radium	01/17/18	12	We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Since we did not monitor for these contaminants we cannot be sure of the quality of the drinking water.	Corrective action taken by your system: <input checked="" type="checkbox"/> We have since completed the required compliance measures. <input type="checkbox"/> We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. <input type="checkbox"/> The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. <input type="checkbox"/> Other(specify)_____
Failure to Monitor	Combined Uranium	01/17/18	12	We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Since we did not monitor for these contaminants we cannot be sure of the quality of the drinking water.	Corrective action taken by your system: <input checked="" type="checkbox"/> We have since completed the required compliance measures. <input type="checkbox"/> We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. <input type="checkbox"/> The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. <input type="checkbox"/> Other(specify)_____

Violation Type	Parameter	Date System Notified	Duration In Months	Health Effects Language	Action Taken By Your System
					following month and we are now back in compliance with the sampling regulations. () Other(specify)_____

For additional information concerning any violation please contact Mr Zach Shull with the Cedar Gulch I public water system.