

Monitoring/Reporting - Entry Point

Cottonwood Grove Mobile Home Park

EPA ID: 2225

SAMPLING

Entry point: Well #1

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Sep-16		
	B. Arsenic	Every nine years	Yes	Jul-13		
	C. Barium	Every nine years	Yes	Jul-13		
	D. Beryllium	Every nine years	Yes	Jul-13		
	E. Cadmium	Every nine years	Yes	Jul-13		
	F. Chromium	Every nine years	Yes	Jul-13		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Every nine years	Yes	Jul-13		
	I. Mercury	Every nine years	Yes	Jul-13		
	J. Nickel	Every nine years	Yes	Jul-13		
	K. Selenium	Every nine years	Yes	Jul-13		
	L. Thallium	Every nine years	Yes	Jul-13		
2	Radiological Chemicals	Triennially	N/A			
3	VOC Chemicals	Quarterly	No	Jul-16	2019	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Jul-16	2019	
	B. Method 524	Triennially	No	Jul-16	2019	
	C. Method 525	Triennially	No	Jul-16	2019	
	D. Method 531.1	Triennially	No	Jul-16	2019	
	E. Method 547	Triennially	No	Jul-16	2019	
	F. Method 548	Triennially	No	Jul-16	2019	
	G. Method 549	Triennially	No	Jul-16	2019	
5	Nitrate	Annually	N/A	Aug-17		
6	Nitrite	Triennially	N/A	Aug-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>15</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>14</u>
E	Unsafe samples:	<u>1</u>
F	Repeat samples:	<u>3</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>September 21, 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>8.5</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: to

A	Samples submitted:	<u>No Tests</u>
B	Samples required:	<u></u>
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

Cottonwood Grove Mobile Home Park

EPA ID: 2225

Violations From **January 1, 2013** To **January 1, 2018**

Violation Type	Parameter	Date	Status
Failure to Send Lead Consumer Notifications	Lead/Copper	01/01/2017	Reminder Notice

Significant Deficiency	Date Identified	Date Corrected

EPA ID#: 2225 System Name: Cottonwood Grove Mobile Home Park

Sampler- Mr Alan Brown Work Phone-(605)754-6086
Title- Owner
Address- 16051 Englehart Lane
New Underwood SD 57761

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

Population Served- 30 Service Connections- 20

Sources for Cottonwood Grove Mobile Home Park

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	#1	1988	45	30	Permanent	Groundwater	Vulnerable	No Treatment

EPA ID#: 2225 System Name: Cottonwood Grove Mobile Home Park

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	10/01/02	731	1076	7.71	300	0	29	3.1	119.0	45.8	0.05	0.05	16.5	284	366	0	486	+0.76	0.1	1.06
01	Raw	05/17/04	766	1110	7.53	273	0	29	2.6	123.0	52.5	0.05	0.01	24.0	291	333	0	523	+0.55	0.5	0.91
01	Raw	05/30/07	795	1230	7.44	281	0	29	2.8	148.0	53.8	0.05	0.01	31.5	352	343	0	591	+0.56	0.1	0.88
01	Raw	02/18/10	904	1310	7.84	266	0	40	2.7	143.0	60.0	0.05	0.01	52.5	414	325	0	604	+0.92	0.6	0.89
01	Raw	11/20/12	1190	1490	7.39	304	0	53	3.0	214.0	75.0	0.00	0.00	67.0	487	371	0	840	+0.63	0.9	0.90
Averages			877	1243	7.58	285	0	36	2.8	149.4	57.4	0.04	0.02	38.3	366	348	0	609		0.4	0.93

You can contact us by calling or
write us at
4023 Rosewood Lane
Rapid City SD 57703-6922

Cottonwood Grove Mobile Home Park

2017 Drinking Water Report

It's your tap water!





Water Quality

Last year, the Cottonwood Grove Mobile Home Park 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 30 customers an average of 2,250 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 Cottonwood Grove Mobile Home Park public water supply system is medium.

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

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 Cottonwood Grove Mobile Home Park 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 Cottonwood Grove Mobile Home Park (EPA ID 2225)

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
- *mrem/year: millirems per year(a measure of radiation absorbed by the body)
- *NTU: Nephelometric Turbidity Units
- *pCi/l: picocuries per liter(a measure of radioactivity)
- *ppm: parts per million, or milligrams per liter(mg/l)
- *ppb: parts per billion, or micrograms per liter(ug/l)
- *ppt: parts per trillion, or nanograms per liter
- *ppq: parts per quadrillion, or picograms per liter
- *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	0.2	0	09/21/16	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	9	0	09/21/16	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	1	ND - 1	09/21/16	15	0	pCi/l	Erosion of natural deposits.
Barium	0.018		07/17/13	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Combined Radium	1	ND - 1	09/21/16	5	0	pCi/l	Erosion of natural deposits.
Combined Uranium	27	ND - 27	09/21/16	30	0	ppb	Erosion of natural deposits.
Fluoride	0.9		07/17/13	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate (as Nitrogen)	0.58		08/23/17	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Selenium	7		07/17/13	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Total Coliform Bacteria	1	positive samples		1	0	pspm	Naturally present in the environment.

Please direct questions regarding this information to Mr Alan Brown with the Cottonwood Grove Mobile Home Park public water system.

2017 Information on Violations For Cottonwood Grove Mobile Home Park (EPA ID 2225)

(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
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.	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)_____

For additional information concerning any violation please contact Mr Alan Brown with the Cottonwood Grove Mobile Home Park public water system.