Town of Batesland Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)

This system is not a candidate for an award:

Violation

Population Served: 108

System Population: 108

Certified Operator: Mr Willard Clifford
PO Box 790 - 21809 Old Hwy 18
Martin, SD 57551

Work Phone: (605)455-1367
Home Phone:
Cell Phone:
Fax: (605)288-1828
Email: willard@gwtc.net

Financial Contact: Ms Rena Conroy
PO Box 138
Batesland, SD 57716-0138

Work Phone: (605)288-1906
Home Phone:
Cell Phone:
Fax:
Email: rena.conroy@k12.sd.us

Other Contacts: President Sophia Conroy
PO Box 138
Batesland, SD 57716-0138

Work Phone: (605)867-3020
Home Phone: (605)288-0064
Cell Phone:
Fax: (605)867-3271
Email: sconroy@abr.ihs.gov

Last Inspection: June 8, 2015

Type of System: Community

Area Served: Shannon County

Number of Service Connections: 50

Contamination Risk: moderate

Water Purchased From:

Federal

PWS Owner Type: Local Government

Service Area: Municipality

Contract Laboratory:

State Health Lab, Pierre

Bacteriological Monitoring

Bacteriological sampling and analysis: January 1, 2017 to January 1, 2018

A	Samples submitted:	11
B	Samples required:	One Sample Each Month.
C	Survey samples:	0
D	Safe samples:	11
E	Unsafe samples:	0
F	Repeat samples:	0
H	Groundwater Samples:	

Lead and Copper Monitoring

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

A	Date Last Tested:	September 29, 2017	
B	Samples required:	5	
C	Sampling Frequency	Annually	
D	Date Due Next	2018	
E	Lead - 90% Level	1.1	Action Level - 15 ug/l
F	Copper 90% Level	0.075	Action Level - 1.3 mg/l

Disinfectant Residual Monitoring

Residual sampling and analysis: January 1, 2017 to January 1, 2018

A	Samples submitted:	11	
B	Samples required:	One Sample Each Month.	
C	Last Qtr Cl Residual:	1.18	mg/l
D	Running Annual Average:	1.12	mg/l
E	Date of last DBP test:	September 29, 2017	
F	THM - Qtr Average:	0	ug/l
G	Haa5 - Qtr Average:	0	ug/l

Asbestos

A	Date of last test:	Waiver - Testing Not Required	
B	Asbestos Result:		million fibers per liter

Comments

Violations and Significant Deficiencies

Town of Batesland **EPA ID: 0036**

Violations From January 1, 2013 To January 1, 2018

Violation Type	Parameter	Date	Status
FTM-Routine Samples	RTCR	09/01/2017	Public Notice Requested
Follow-up Tap Sample Monitoring Violation	Lead/Copper	07/01/2016	Public Notice Requested
	Lead/Copper		Compliance Achieved
Routine Sample Monitoring Violation	Total Coliform Bacteria	09/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Routine Sample Monitoring Violation	Total Coliform Bacteria	08/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received

Significant Deficiency	Date Identified	Date Corrected

EPA ID#: 0036 System Name: Town of Batesland

Sampler- Mr Willard Clifford Work Phone-(605)455-1367
Title- Water Manager
Address- PO Box 790 - 21809 Old Hwy 18
Martin SD 57551

Location- City: Batesland County: Shannon
Service Area- Municipality
PWS Owner Type- Local Government
Water Supply Type- Purchased Groundwater Supply

Population Served- 108 Service Connections- 50

Sources for Batesland

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	WELL #1	1970	275	8		Groundwater	Vulnerable	No Treatment
02	TREAT SITE - WELL #2					Treatment Plant	Non-Vulnerable	Disinfection - Hypochlorites
04	WELL #2	1978	384	8		Groundwater	Vulnerable	Treatment At Plant
05	BATESLAND SOUTH	2015			Permanent	Purchased Groundwater	Non-Vulnerable	Water Treated By Seller - Purchased Surface Only

Date Of This Report: August 29, 2017

EPA ID#: 0036 System Name: Town of Batesland

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
02	Raw	06/17/03	284	415	7.89	162	0	16	9.3	50.1	8.7	0.13	0.00	9.3	22	197	0	161	+0.30	2.7	0.39
04	Raw	09/23/08	310	420	7.78	164	0	18	11.5	49.0	8.3	0.03	0.02	9.0	27	200	0	156	+0.18	2.4	0.38
Averages			297	418	7.84	163	0	17	10.4	49.6	8.5	0.08	0.01	9.1	25	199	0	159		2.5	0.38

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	Treated	04/20/94	286	428	7.71	163	0	17	11.2	51.9	8.3	0.03	0.02	11.5	25	199	0	164	+0.19	2.2	0.36
02	Treated	06/21/89	291	390	7.69	155	0	17	11.1	47.7	7.9	0.12	0.04	11.0	25	189	0	152	-0.24	2.0	0.37
02	Treated	10/01/96	300	420	7.60	218	2	24	10.0	54.0	8.0	0.03	0.07	10.0	25	261	2	168	+0.20	2.1	0.30
02	Treated	03/01/00	309	392	7.65	160	0	16	10.2	48.8	7.9	0.02	0.02	7.3	27	195	0	154	+0.04	2.5	0.38
02	Treated	10/25/05	306	423	7.34	164	0	18	11.5	54.2	8.2	0.03	0.02	11.0	30	200	0	169	-0.21	2.5	0.38
02	Treated	09/20/11	310	405	7.82	163	0	17	11.1	55.2	8.7	0.03	0.02	11.0	33	199	0	174	+0.27	2.7	0.34
Averages			300	410	7.64	171	0	18	10.9	52.0	8.2	0.04	0.03	10.3	28	207	0	164		2.3	0.36

Date Of This Report: August 29, 2017

You can contact us by calling
(605)288-1906 or write us at
PO Box 138
Batesland SD 57716-0138

Town of Batesland

2017 Drinking Water Report

It's your tap water!

EPA ID: 0036

Water Quality

Last year, the Town of Batesland 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 108 customers an average of 8,100 gallons of water per day. Our water is groundwater that we purchase from another water system. The state has performed an assessment of our source water and they have determined that the relative susceptibility rating for the Batesland public water supply system is medium.

For more information about your water and information on opportunities to participate in public meetings, call (605)288-1906 and ask for Rena Conroy.

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 Town of Batesland 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.

The Town of Batesland public water system purchases 100% of their water from Federal.

2017 Table of Detected Contaminants For Batesland (EPA ID 0036)

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	09/29/17	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	1	0	09/29/17	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

Data for the Federal water system needs to be added to this table.

Please direct questions regarding this information to Mr Willard Clifford with the Batesland public water system at (605)288-1906.

2017 Information on Violations For Batesland (EPA ID 0036)

(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	10/02/17			Corrective action taken by your system: (x) We have since completed the required compliance measures. ( ) We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. ( ) The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. ( ) Other(specify)_____

For additional information concerning any violation please contact Mr Willard Clifford with the Batesland public water system at (605)288-1906.