

Huttenville Hutterian Brethren Drinking Water Information

(System Information, Sampling Requirements, and Compliance Report)

This system is not a candidate for an award:

Operator Certification , Violation

Population Served:	140	System Population:	140
Certified Operator:	Mr John Waldner 14625 401st Avenue Stratford, SD 57474	Work Phone:	(605)395-6580
		Home Phone:	(605)395-6580
		Cell Phone:	
		Fax:	
		Email:	johwald@gmail.com
Financial Contact:	Mr Tom Waldner 14625 401st Avenue Stratford, SD 57474	Work Phone:	(605)395-6580
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	receivership@jewetthc.org
Other Contacts:	Mr Steven Sandven 116 E Main Street Beresford, SD 57004-1819	Work Phone:	(605) 332-440
		Home Phone:	
		Cell Phone:	
		Fax:	
		Email:	
Last Inspection:	June 4, 2015		
Type of System:	Community	Area Served:	Brown County
Number of Service Connections:	25	Contamination Risk:	low
Water Produced And Used By The Huttenville Hutterian Brethren Public Water System			
PWS Owner Type:	Private Ownership	Service Area:	Housing Development
Contract Laboratory:			State Health Lab, Pierre

Monitoring/Reporting - Entry Point

Hutterville Hutterian Brethren

EPA ID: 2026

SAMPLING

Entry point: Treat Site - Well #1#3

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Aug-16		
	B. Arsenic	Triennially	No	Aug-16		
	C. Barium	Triennially	No	Aug-16		
	D. Beryllium	Triennially	No	Aug-16		
	E. Cadmium	Triennially	No	Aug-16		
	F. Chromium	Triennially	No	Aug-16		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Triennially	No	Aug-16		
	I. Mercury	Triennially	No	Aug-16		
	J. Nickel	Triennially	No	Aug-16		
	K. Selenium	Triennially	No	Aug-16		
	L. Thallium	Triennially	No	Aug-16		
2	Radiological Chemicals	Every nine years	N/A			
3	VOC Chemicals		No	Aug-13	2019	
4	SOC Chemicals					
	A. Method 515.1	Not Required	Yes			
	B. Method 524	Not Required	Yes			
	C. Method 525	Not Required	Yes			
	D. Method 531.1	Not Required	Yes			
	E. Method 547	Not Required	Yes			
	F. Method 548	Not Required	Yes			
	G. Method 549	Not Required	Yes			
5	Nitrate	Annually	N/A	Oct-17		
6	Nitrite		N/A	Oct-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>September 27, 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>0.415</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.065</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>August 21, 2006</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

Hutterville Hutterian Brethren

EPA ID: 2026

Violations From January 1, 2013 To January 1, 2018

Violation Type	Parameter	Date	Status
Failure to Take Source Samples	E. Coli	04/25/2016	Public Notice Requested
	E. Coli		Public Notice Received
Sanitary Survey		06/27/2015	Intentional No-Action
			Compliance Achieved
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

Significant Deficiency	Date Identified	Date Corrected

EPA ID#: 2026 System Name: Hutterville Hutterian Brethren

Sampler- Mr John Waldner Work Phone-(605)395-6580
Title- Water Manager
Address- 14625 401st Avenue
Stratford SD 57474

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

Population Served- 140 Service Connections- 25

Sources for Hutterville Colony South Dakota Inc

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	TREAT SITE-#1#3				Permanent	Treatment Plant	Non-Vulnerable	Filtration - RO Pressure Sand
02	TREAT SITE-#2 SHALLOW				Emergency	Treatment Plant	Non-Vulnerable	Disinfection - Chlorine Dioxide
05	#1-DEEP	1984	1060	4	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
06	#2-SHALLOW	1980	110	6	Emergency	Groundwater	Non-Vulnerable	No Treatment
08	#3	2015	1000	6	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant

EPA ID#: 2026 System Name: Hutterville Hutterian Brethren

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	04/17/90	2343	3315	8.43	359	0	760	8.5	7.1	0.8	0.21	0.03	336.0	837	101	0	21	-0.05	0.1	4.20
02	Raw	06/21/94	916	1456	7.48	391	0	260	9.5	65.2	14.1	0.04	0.35	114.6	266	477	0	221	+0.38	0.1	0.32
02	Raw	06/26/97	945	1500	7.49	394	0	247	0.0	68.8	15.5	0.12	0.43	112.0	268	481	0	236	+0.30	0.1	0.36
05	Raw	06/27/00	1001	1450	7.54	394	0	256	9.9	69.5	16.3	0.08	0.35	121.0	240	481	0	241	+0.34	0.2	0.32
01	Raw	05/22/03	2290	3400	8.23	380	0	791	7.8	7.2	2.4	0.08	0.02	338.0	906	464	0	28	-0.09	0.1	4.17
05	Raw	06/23/09	1760	2740	8.25	295	0	606	5.7	4.8	1.6	0.03	0.02	256.0	694	360	0	18	-0.31	0.8	3.20
08	Raw	04/06/16	2273	3540	8.41	313	0	720	8.2	6.9	2.7	0.07	0.05	298.0	946	382	0	28	-0.01	0.0	3.95
Averages			1647	2486	7.98	361	0	520	7.1	32.8	7.6	0.09	0.18	225.1	594	392	0	113		0.2	2.36

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	06/27/12	469	840	8.09	139	1	12	0.2	0.2	0.2	0.03	0.02	132.0	59	167	1	1	-1.98	0.2	1.63

You can contact us by calling
(605)395-6580 or write us at
14625 401st Avenue
Stratford SD 57474

Hutterville Hutterian Brethren

2017 Drinking Water Report

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It's your tap water!



EPA ID: 2026



Water Quality

Last year, the Hutterville Hutterian Brethren 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 140 customers an average of 10,500 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 Hutterville Colony South Dakota Inc public water supply system is low.

For more information about your water and information on opportunities to participate in public meetings, call (605)395-6580 and ask for Tom Waldner.

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 Hutterville Hutterian Brethren 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 Hutterville Colony South Dakota Inc (EPA ID 2026)

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	0.1	0	09/27/16	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	0	0	09/08/16	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
Chromium	0.35		08/10/16	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	0.08		08/10/16	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.

Please direct questions regarding this information to Mr John Waldner with the Hutterville Colony South Dakota Inc public water system at (605)395-6580.

2017 Information on Violations For Hutterville Colony South Dakota Inc (EPA ID 2026)

(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 Take Source Samples	E. coli	05/25/16		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)_____

For additional information concerning any violation please contact Mr John Waldner with the Hutterville Colony South Dakota Inc public water system at (605)395-6580.