

# Greenwood Colony Drinking Water Information

## (System Information, Sampling Requirements, and Compliance Report)

This system is not a candidate for an award:

Violation

**Population Served:** 85 **System Population:** 85

**Certified Operator:** Mr Lucas Glanzer  
28781 402nd Ave  
Delmont, SD 57330

**Work Phone:** (605)779-5471  
**Home Phone:**  
**Cell Phone:**  
**Fax:** (605)779-5211  
**Email:**

**Financial Contact:** Mr Marvin - Lucas Glanzer  
28781 402nd Ave  
Delmont, SD 57330

**Work Phone:** (605)779-5221  
**Home Phone:**  
**Cell Phone:**  
**Fax:**  
**Email:**

**Other Contacts:** Mr Jeff Sveen  
PO Box 490  
Aberdeen, SD 57402-0490

**Work Phone:**  
**Home Phone:**  
**Cell Phone:**  
**Fax:**  
**Email:**

**Last Inspection:** March 8, 2016

**Type of System:** Community

**Area Served:** Douglas County

**Number of Service Connections:** 41

**Contamination Risk:** moderate

### Water Produced And Used By The Greenwood Colony Public Water System

**PWS Owner Type:** Private Ownership

**Service Area:** Housing Development

**Contract Laboratory:** Sioux Falls Health Laboratory

# Monitoring/Reporting - Entry Point

Greenwood Colony

EPA ID: 2022

## SAMPLING

Entry point: Entry Point - Well #4

Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals				
	A. Antimony	Triennially	No	Jul-17	
	B. Arsenic	Triennially	No	Jul-17	
	C. Barium	Triennially	No	Jul-17	
	D. Beryllium	Triennially	No	Jul-17	
	E. Cadmium	Triennially	No	Jul-17	
	F. Chromium	Triennially	No	Jul-17	
	G. Cyanide		Yes		State-wide waiver
	H. Fluoride	Triennially	No	Aug-17	
	I. Mercury	Triennially	No	Jul-17	
	J. Nickel	Triennially	No	Jul-17	
	K. Selenium	Triennially	No	Jul-17	
	L. Thallium	Triennially	No	Jul-17	
2	Radiological Chemicals	Every nine years	N/A		
3	VOC Chemicals	Quarterly	No	Jun-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	Aug-17	
6	Nitrite		N/A	Oct-17	

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

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### 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>July 1, 2013</u>
B	Samples required:	<u>5</u>
C	Sampling Frequency	<u>Annually</u>
D	Date Due Next	<u>2014</u>
E	Lead - 90% Level	<u>0.85</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.035</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 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

**Greenwood Colony**

**EPA ID: 2022**

Violations From January 1, 2013 To January 1, 2018

Violation Type	Parameter	Date	Status
FTM-Routine Samples	RTCR	11/01/2016	Public Notice Requested
	RTCR		Compliance Achieved
Failure to Monitor	IOCs - Nickel	01/01/2016	Public Notice Requested
	IOCs - Nickel		Compliance Achieved
Failure to Monitor	IOCs - Beryllium	01/01/2016	Public Notice Requested
	IOCs - Beryllium		Compliance Achieved
Failure to Monitor	IOCs - Thallium	01/01/2016	Public Notice Requested
	IOCs - Thallium		Compliance Achieved
Failure to Monitor	IOCs - Antimony	01/01/2016	Public Notice Requested
	IOCs - Antimony		Compliance Achieved
Failure to Monitor	Selenium	01/01/2016	Public Notice Requested
	Selenium		Compliance Achieved
Failure to Monitor	IOCs - Mercury	01/01/2016	Public Notice Requested
	IOCs - Mercury		Compliance Achieved
Failure to Monitor	IOCs - Fluoride	01/01/2016	Public Notice Requested
	IOCs - Fluoride		Compliance Achieved
Failure to Monitor	IOCs - Chromium	01/01/2016	Public Notice Requested
	IOCs - Chromium		Compliance Achieved
Failure to Monitor	IOCs - Cadmium	01/01/2016	Public Notice Requested
	IOCs - Cadmium		Compliance Achieved
Failure to Monitor	IOCs - Barium	01/01/2016	Public Notice Requested
	IOCs - Barium		Compliance Achieved
Failure to Monitor	IOCs - Arsenic	01/01/2016	Public Notice Requested
	IOCs - Arsenic		Compliance Achieved
Follow-up Tap Sample Monitoring Violation	Lead/Copper	10/01/2016	Public Notice Requested
FTM-Routine Samples	RTCR	06/01/2016	Public Notice Requested
	RTCR		Compliance Achieved
	RTCR		Public Notice Received
Routine Sample Monitoring Violation	Total Coliform Bacteria	08/01/2015	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Repeat Sample Monitoring Violation	Total Coliform Bacteria	07/01/2015	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Failure to Take Source Samples	E. Coli	08/04/2015	Public Notice Requested
	E. Coli		Compliance Achieved
	E. Coli		Public Notice Received
Routine Sample Monitoring Violation	Total Coliform Bacteria	12/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Failure to Take Source Samples	E. Coli	11/29/2014	Public Notice Requested
	E. Coli		Compliance Achieved
Exceedance of Allowable Contaminant Level	Total Coliform Bacteria	07/01/2014	Public Notice Requested
	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received
Routine Sample Monitoring Violation	Total Coliform Bacteria	06/01/2014	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
Routine Sample Monitoring Violation	Total Coliform Bacteria	02/01/2014	Public Notice Requested

	Bacteriological		Compliance Achieved
	Bacteriological		Public Notice Received

Significant Deficiency	Date Identified	Date Corrected

## EPA ID#: 2022 System Name: Greenwood Colony

Sampler- Mr Lucas Glanzer Work Phone-(605)779-5471  
Title- Water Operator  
Address- 28781 402nd Ave  
Delmont SD 57330

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

Population Served- 85 Service Connections- 41

### Sources for Greenwood Colony

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	#1-MAIN/WEST WELL	1990	430	6	Emergency	Groundwater	Non-Vulnerable	No Treatment
02	#2-TURKEY WELL	1974	500	6	Emergency	Groundwater	Non-Vulnerable	No Treatment
05	#3-SOUTH WELL	2005	488	5	Emergency	Groundwater	Non-Vulnerable	No Treatment
06	ENTRY POINT-#4				Permanent		Non-Vulnerable	No Treatment
07	#4-NORTH WELL	2007	543	5	Permanent	Groundwater	Non-Vulnerable	No Treatment

# EPA ID#: 2022 System Name: Greenwood Colony

## 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	05/26/94	1568	2600	8.83	435	0	604	14.4	17.3	6.5	0.10	0.02	398.0	394	531	0	70	+1.21	0.1	1.49
02	Raw	03/29/90	1579	2472	7.95	431	0	532	14.1	12.8	4.9	0.70	0.01	371.0	227	526	0	52	-0.18	0.1	1.40
01	Raw	06/20/97	1574	2770	7.95	459	0	568	18.0	18.1	6.7	0.32	0.02	382.0	358	560	0	73	+0.17	0.1	1.52
01	Raw	06/21/00	1571	2570	7.92	438	0	553	14.6	17.3	6.4	2.54	0.02	397.0	288	534	0	70	+0.10	0.1	1.56
01	Raw	06/15/04	1581	2520	7.83	445	0	563	16.8	18.3	6.7	0.03	0.02	379.0	298	543	0	73	+0.04	1.0	1.51
06	Raw	06/26/07	1578	2590	8.07	447	0	570	16.4	18.5	6.4	0.09	0.02	395.0	295	545	0	72	+0.29	0.6	1.54
06	Raw	09/24/09	1571	2580	8.14	450	0	541	13.3	2580.0	5.9	0.19	0.02	382.0	301	549	0	60	+0.25	0.5	1.58
07	Raw	04/16/13	1589	2680	8.04	453	0	520	12.5	13.7	6.4	0.18	0.05	394.0	288	553	0	61	+0.13	0.2	1.59
Averages			1576	2598	8.09	445	0	556	15.0	337.0	6.2	0.52	0.02	387.3	306	543	0	66		0.3	1.52



You can contact us by calling  
(605)779-5221 or write us at  
28781 402nd Ave  
Delmont SD 57330

# Greenwood Colony

## 2017 Drinking Water Report

*It's your tap water!*



EPA ID: 2022



# Water Quality

*Last year, the Greenwood Colony 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 85 customers an average of 6,375 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 Greenwood Colony public water supply system is medium.

For more information about your water and information on opportunities to participate in public meetings, call (605)779-5221 and ask for Marvin - Lucas Glanzer.

## 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 Greenwood Colony 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 Greenwood Colony (EPA ID 2022)

### 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	0.0	0	07/01/13	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	1	0	07/01/13	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
Barium	0.021		07/17/17	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Chromium	7.1		07/17/17	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	0.4		08/07/17	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 Lucas Glanzer with the Greenwood Colony public water system at (605)779-5221.

## 2017 Information on Violations For Greenwood Colony (EPA ID 2022)

(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
Follow-up Tap Sample Monitoring Violation	Lead/Copper	11/09/16		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 Lucas Glanzer with the Greenwood Colony public water system at (605)779-5221.