

Monitoring/Reporting - Entry Point

GCC Dacotah-North Quarry Well

EPA ID: 2070

SAMPLING

Entry point: North Quarry Well

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Every nine years	Yes	Nov-11		
	B. Arsenic	Every nine years	Yes	Nov-11		
	C. Barium	Every nine years	Yes	Nov-11		
	D. Beryllium	Every nine years	Yes	Nov-11		
	E. Cadmium	Every nine years	Yes	Nov-11		
	F. Chromium	Every nine years	Yes	Nov-11		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride	Every nine years	Yes	Nov-11		
	I. Mercury	Every nine years	Yes	Nov-11		
	J. Nickel	Every nine years	Yes	Nov-11		
	K. Selenium	Every nine years	Yes	Nov-11		
	L. Thallium	Every nine years	Yes	Nov-11		
2	Radiological Chemicals	To be determined	N/A			
3	VOC Chemicals	Quarterly	No	Nov-16	2019	
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	Oct-17		
6	Nitrite	Triennially	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 Quarter.</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>*bad date*</u>
B	Samples required:	<u>5</u>
C	Sampling Frequency	<u>Combined with another system</u>
D	Date Due Next	<u></u>
E	Lead - 90% Level	<u></u> Action Level - 15 ug/l
F	Copper 90% Level	<u></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

GCC Dacotah-North Quarry Well

EPA ID: 2070

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

Violation Type	Parameter	Date	Status
No Violations			

Significant Deficiency	Date Identified	Date Corrected

EPA ID#: 2070 System Name: GCC Dacotah-North Quarry Well

Sampler- Mr Jim Anderson Work Phone-(605)721-7033
Title- Environmental Mgr
Address- PO Box 360
Rapid City SD 57709-0360

Location- City: Rapid City County: Pennington
Service Area- Industrial/Agricultural
PWS Owner Type- Private Ownership
Water Supply Type- Groundwater Supply

Population Served- 35 Service Connections- 2

Months that System is Open to Public-Season Opening Date- January 1st Season Closing Date- December 31st

Sources for GCC Dacotah-North Quarry Well

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	NORTH QUARRY WELL	1941	200	6	Permanent	Groundwater	Vulnerable	No Treatment

EPA ID#: 2070 System Name: GCC Dacotah-North Quarry Well

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	03/25/93	130	340	7.67	161	0	3	2.0	40.0	18.0	0.05	0.03	1.0	20	196	0	174	-0.26	0.3	0.25
01	Raw	06/19/96	203	318	7.95	165	0	3	1.8	39.6	19.3	0.06	0.02	5.0	16	201	0	178	+0.29	0.4	0.27
01	Raw	01/11/99	150	360	7.95	160	0	3	2.1	45.0	19.0	0.05	0.03	3.0	14	200	0	160	+0.40	0.4	0.29
01	Raw	11/29/01	120	339	7.90	164	0	3	1.5	31.3	19.4	0.05	0.05	3.5	15	201	0	158	+0.30	0.3	0.00
01	Raw	04/11/05	166	349	7.98	165	0	3	1.4	35.6	18.9	0.05	0.01	2.8	17	201	0	167	+0.25	0.2	0.26
01	Raw	01/08/08	204	374	7.99	170	0	4	1.7	39.2	19.4	0.07	0.01	5.3	17	208	0	178	+0.31	0.8	0.27
01	Raw	03/23/11	187	361	7.86	166	0	4	2.0	38.0	18.5	0.05	0.01	4.0	19	202	0	171	+0.16	0.4	0.27
01	Raw	02/28/17	156	345	8.00	164	0	3	1.6	32.9	26.6	0.00	0.00	3.1	16	200	0	192	+0.23	0.3	0.26
Averages			165	348	7.91	164	0	3	1.8	37.7	19.9	0.05	0.02	3.5	17	201	0	172		0.4	0.23