

EPA ID#: 0134 System Name: City of Freeman

Sampler- Mr Duane Walter Work Phone-(605)925-7127
 Title- Utilities Manager
 Address- PO Box 178
 Freeman SD 57029-0178

Location- City: Freeman County: Hutchinson
 Service Area- Municipality
 PWS Owner Type- Local Government
 Water Supply Type- Purchased Surface Water Supply

Population Served- 1,298 Service Connections- 611

Sources for Freeman

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
03	WEST	1985	180	8	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
04	LAYNE	1967	180	10	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
05	TREATMENT PLANT				Emergency	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection - Gas Chlorine Filtration - Anthrafilter Corrosion Control - Fluoridation - H2SiF6
06	B-Y RWS	1996			Permanent	Purchased Surface	Non-Vulnerable	Water Treated By Seller - Purchased Surface Only
09	SUBMERSIBLE	1972	180	8	Emergency	Groundwater	Non-Vulnerable	No Treatment

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Common Ion Data

(All chemical data are reported in milligrams per liter (mg/l) except pH and Langelier 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	Langelier	NO3	F
01	Raw	12/12/89	1823	2100	7.21	353	0	209	25.1	235.0	64.7	0.99	0.20	14.0	877	431	0	853	+0.25	0.1	0.62
02	Raw	11/20/91	0	0	0.00	0	0	0	0.0	0.0	0.0	2.26	0.18	0.0	0	0	0	900	0.00	0.0	0.00
04	Raw	08/16/88	1879	2255	7.17	381	0	216	23.4	252.0	70.3	2.52	0.19	16.4	1013	465	0	919	+0.27	0.1	0.59
Averages			1234	1452	4.79	245	0	142	16.2	162.3	45.0	1.92	0.19	10.1	630	299	0	891		0.1	0.40

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langelier	NO3	F
01	Treated	12/12/89	1841	2100	7.64	330	0	211	25.5	236.0	64.7	0.20	0.18	20.3	881	403	0	856	+0.65	1.6	1.81
02	Treated	11/20/91	1737	2205	7.47	370	0	205	21.6	217.0	62.7	0.27	0.05	16.9	867	451	0	800	+0.48	1.1	0.64
Averages			1789	2153	7.56	350	0	208	23.6	226.5	63.7	0.24	0.12	18.6	874	427	0	828		1.4	1.23