

EPA ID#: 0384 System Name: STAR Academy-Main Campus

Sampler- Mr Mike Morgan Work Phone-(605)673-2521
 Title- Water Operator
 Address- 12279 Brady Drive
 Custer SD 57730

Location- City: Custer County: Custer
 Service Area- Institution
 PWS Owner Type- State Government
 Water Supply Type- Groundwater Supply

Population Served- 30 Service Connections- 5

Sources for STAR Academy-Main Campus

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	TREAT SITE-MAYO GALL					Treatment Plant	Non-Vulnerable	Disinfection - Hypochlorites
02	SAN COLLECTOR	1926	65	96		Surface Water	Vulnerable	No Treatment
04	MAYO #1	1978	180	6		Groundwater	Vulnerable	No Treatment
05	TREATMENT PLANT				Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection - Hypochlorites Filtration - Anthrafilter Mixed Media Corrosion Control - Caustic Soda Phosphates Mixing Device
06	DEEP WELL	1990	214	6	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
10	MAYO #2 NEW	1989	170	6	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
11	MAYO GALLERY	1948	33	96		Groundwater	Vulnerable	Treatment At Plant

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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	11/19/84	204	350	7.15	168	0	10	5.5	43.0	13.0	6.50	0.08	6.0	1	205	0	162	-0.75	0.6	0.30
02	Raw	06/08/94	0	0	7.09	0	0	0	0.0	0.0	0.0	0.05	0.04	0.0	0	0	0	0	-0.00	0.0	0.00
06	Raw	04/22/97	132	250	6.90	92	0	10	4.0	23.0	7.0	0.10	0.03	3.0	19	112	0	86	-1.20	0.2	0.30
05	Raw	01/27/15	0	0	7.52	0	0	0	0.0	0.0	0.0	0.00	0.00	0.0	0	0	0	0	0.00	0.0	0.00
Averages			84	150	7.17	65	0	5	2.4	16.5	5.0	1.66	0.04	2.3	5	79	0	62		0.2	0.15

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	05/24/89	188	323	7.26	148	0	14	4.0	38.0	11.0	0.19	0.06	3.0	17	181	0	141	-0.80	0.2	0.38
01	Treated	05/13/91	250	360	6.86	150	0	11	4.0	31.0	9.0	0.05	0.03	6.0	16	183	0	115	-1.26	0.4	0.30
02	Treated	06/08/94	210	350	7.40	163	0	20	4.0	39.0	9.0	0.05	0.03	17.0	14	199	0	135	-0.23	0.1	0.35
04	Treated	02/17/87	206	330	7.31	150	0	9	3.2	40.2	9.4	0.43	0.16	5.9	15	183	0	139	-0.69	0.4	0.35
06	Treated	04/22/97	0	0	0.00	0	0	0	0.0	0.0	0.0	0.05	0.03	0.0	0	0	0	0	0.00	0.0	0.00
06	Treated	05/31/00	212	375	7.96	166	0	38	3.0	28.0	7.0	0.03	0.01	6.0	22	202	1	100	+0.09	0.2	0.10
05	Treated	03/11/03	192	316	7.58	141	0	31	3.1	26.8	7.3	0.05	0.05	4.0	10	173	0	97	-0.34	0.5	0.30
05	Treated	05/30/06	229	377	8.99	182	0	49	3.1	25.8	7.2	0.05	0.02	4.0	17	179	0	94	+1.16	0.5	0.42
05	Treated	03/19/09	199	356	8.01	165	0	38	2.4	21.3	7.3	0.05	0.01	2.3	15	201	0	83	+0.05	0.3	0.31
05	Treated	03/22/12	180	320	7.59	136	0	28	3.5	32.0	8.0	0.05	0.02	3.6	22	165	0	113	-0.27	0.3	0.30
05	Treated	01/27/15	278	475	7.95	231	0	28	4.5	54.0	14.0	0.00	0.00	7.3	10	282	0	192	+0.54	0.9	0.34
Averages			195	326	6.99	148	0	24	3.2	30.6	8.1	0.09	0.04	5.4	14	177	0	110		0.4	0.29