

**EPA ID#: 0101 System Name: City of Custer**

Sampler- Mr Bob Morrison                      Work Phone-(605)673-4824  
 Title- Pwd  
 Address- 622 Crook Street  
           Custer SD 57730

Location-                      City: Custer      County: Custer  
 Service Area- Municipality  
 PWS Owner Type- Local Government  
 Water Supply Type- Groundwater Supply

Population Served- 2,067      Service Connections- 1,000

**Sources for Custer**

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	PLANT 9 FOR #9 FC 1				Permanent	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Corrosion Control - Phosphates Fluoridation - H2SiF6
02	#2-TRADEWINDS	1943	150	8	Permanent	Groundwater	Vulnerable	Treatment At Plant
03	#3 KELLEY	1947	254	12	Emergency	Groundwater	Vulnerable	Treatment At Plant
04	TREAT SITE-#4 W DAM				Emergency	Treatment Plant	Non-Vulnerable	Coagulation, Softening - Disinfection - Hypochlorites Fluoridation - NaF Crystals
05	TREAT SITE-#5 LAUGHI				Emergency	Treatment Plant	Non-Vulnerable	Coagulation, Softening - Disinfection - Hypochlorites Fluoridation - NaF Crystals
06	#1	1955	375	8	Emergency	Groundwater	Vulnerable	Treatment At Plant
07	TREAT SITE-#13 HARBA				Emergency	Treatment Plant	Non-Vulnerable	Coagulation, Softening - Disinfection - Hypochlorites Fluoridation - NaF Crystals
08	#14-CUSTER LUMBER	1989	360	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
10	TREAT SITE-#10 FC 2				Emergency	Treatment Plant	Non-Vulnerable	Coagulation, Softening - Disinfection - Hypochlorites Fluoridation - NaF Crystals
11	#15-CHURCH	1989	400	4	Emergency	Groundwater	Vulnerable	Treatment At Plant
12	PLANT 2 FOR #14				Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - Alum KMnO4 Disinfection - Hypochlorites Filtration - Green Sand Corrosion Control - Caustic Soda Phosphates Mixing Device Sedimentation Fluoridation - H2SiF6
14	PLANT 3 FOR #2				Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection - Hypochlorites Filtration - Green Sand Corrosion Control - Caustic Soda Phosphates Mixing Device Sedimentation Fluoridation - H2SiF6
20	PLANT #1 FOR WELL #3				Emergency	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection -

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<b>Source</b>	<b>Name</b>	<b>Year Built</b>	<b>Depth (feet)</b>	<b>Diameter (inches)</b>	<b>Availability</b>	<b>Type</b>	<b>Vulnerability</b>	<b>Treatment</b>
								Hypochlorites Filtration - Mixed Media Corrosion Control - Caustic Soda Mixing Device Fluoridation - H2SiF6
21	#9 FRENCH CREEK 1	1975	240	10	Permanent	Groundwater	Vulnerable	Treatment At Plant
22	#10 FRENCH CREEK 2	1989	525	10	Emergency	Groundwater	Vulnerable	Treatment At Plant
23	#4-WEST DAM WELL	1948	233	8	Emergency	Groundwater	Vulnerable	Treatment At Plant
24	#5-LAUGHING WATER	1952	200	8	Emergency	Groundwater	Vulnerable	Treatment At Plant
25	#13-HARBACH PARK	1989	400	6	Emergency	Groundwater	Vulnerable	Treatment At Plant
26	#11				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 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
02	Raw	05/04/94	320	700	6.78	160	0	34	7.0	70.0	22.0	0.05	0.33	89.0	45	195	0	266	-0.63	1.6	2.79
03	Raw	05/04/94	372	670	6.85	216	0	21	8.0	85.0	25.0	0.25	0.65	56.0	83	264	0	316	-0.35	0.1	0.43
04	Raw	01/26/66	211	0	7.70	95	0	15	6.0	32.8	10.4	0.34	0.10	4.4	50	116	0	126	0.00	2.0	0.45
05	Raw	01/26/66	287	0	7.90	188	0	14	5.4	49.3	19.7	0.90	0.80	4.0	58	229	0	207	0.00	0.0	0.42
08	Raw	05/04/94	170	310	7.13	120	0	12	5.0	40.0	11.0	0.10	0.29	26.0	26	146	0	145	-0.60	0.1	0.46
10	Raw	04/20/92	212	410	7.21	175	0	8	5.0	34.0	18.0	2.13	0.56	8.0	29	214	0	159	-0.80	0.1	0.52
01	Raw	05/04/94	190	380	7.31	166	0	7	5.0	49.0	18.0	0.05	0.05	24.0	23	203	0	197	-0.20	0.2	0.67
06	Raw	05/04/94	204	460	7.17	162	0	12	6.0	51.0	17.0	0.50	0.57	28.0	32	198	0	198	-0.33	0.1	0.34
14	Raw	02/06/97	378	680	6.70	176	0	34	8.0	65.0	22.0	0.05	0.38	97.0	44	215	0	253	-0.70	1.6	0.30
01	Raw	02/06/97	218	390	7.50	134	0	8	7.0	42.0	17.0	0.05	0.03	10.0	25	163	0	175	-0.20	0.2	0.30
12	Raw	02/06/97	208	330	7.10	136	0	13	6.0	36.0	11.0	0.05	0.34	10.0	22	166	0	135	-0.70	0.1	0.40
02	Raw	06/14/06	546	997	6.85	181	0	64	7.3	80.0	28.3	0.05	0.41	180.0	40	220	0	19	-0.49	1.1	0.31
08	Raw	06/14/06	267	436	7.02	141	0	15	4.8	46.1	14.3	1.00	0.37	23.0	45	172	0	10	-0.67	0.1	0.44
12	Raw	04/16/09	0	0	0.00	0	0	0	0.0	0.0	0.0	2.13	0.49	0.0	0	0	0	0	0.00	0.0	0.00
Averages			256	412	6.66	146	0	18	5.7	48.6	16.7	0.55	0.38	40.0	37	179	0	158		0.5	0.56

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	07/23/85	184	360	7.35	154	0	10	5.4	41.0	16.0	1.50	0.07	5.0	26	188	0	169	-0.61	0.2	1.02
02	Treated	07/23/85	268	540	6.85	178	0	24	6.6	56.0	20.0	0.27	0.25	42.0	43	217	0	223	-0.92	1.8	0.46
05	Treated	07/23/85	210	390	6.85	120	0	17	5.0	41.0	12.0	0.11	0.19	21.0	44	146	0	153	-1.22	1.4	0.54
03	Treated	04/20/92	0	0	0.00	0	0	0	8.0	0.0	0.0	0.08	0.03	0.0	0	0	0	0	0.00	0.0	1.04
12	Treated	04/15/92	0	0	0.00	0	0	0	5.0	0.0	0.0	0.05	0.03	0.0	0	0	0	0	0.00	0.0	1.13
12	Treated	02/06/97	296	500	7.20	158	0	20	7.0	56.0	16.0	0.05	0.03	40.0	33	193	0	206	-0.30	0.7	0.90
14	Treated	04/04/00	488	862	9.21	292	0	91	6.0	60.0	19.0	0.03	0.01	93.0	39	355	0	230	+1.88	0.1	1.00
01	Treated	04/04/00	218	387	7.05	150	0	10	5.0	41.0	16.0	0.03	0.03	8.0	28	183	0	170	-0.70	0.3	1.30
12	Treated	04/04/00	384	710	7.41	202	0	63	5.0	51.0	17.0	0.04	0.26	80.0	37	246	0	200	-0.14	1.3	1.20
12	Treated	06/25/03	351	606	9.05	227	0	67	5.2	50.3	14.0	0.98	0.05	39.0	41	216	0	183	+1.60	0.5	3.60
14	Treated	06/25/03	475	861	7.11	184	0	54	6.5	83.1	26.8	0.05	0.05	145.0	38	225	0	318	-0.21	1.3	1.25
01	Treated	06/25/03	269	477	8.15	191	0	112	0.5	1.0	0.5	0.05	0.05	12.0	38	233	0	0	-1.50	0.4	1.11
01	Treated	06/14/06	234	412	7.23	146	0	11	4.7	45.0	17.4	2.23	0.12	10.0	48	178	0	11	-0.46	0.5	0.94
01	Treated	06/14/06	365	658	8.33	211	0	54	5.8	55.6	17.2	0.05	0.01	51.3	45	255	0	12	+0.90	0.5	1.18

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01	Treated	04/16/09	223	410	7.38	154	0	10	3.1	36.1	17.5	0.05	0.01	10.8	26	188	0	162	-0.38	0.4	0.30
12	Treated	04/16/09	342	581	6.97	158	0	24	4.0	52.0	18.7	0.05	0.01	36.3	61	193	0	207	-0.62	0.1	1.02
01	Treated	01/04/12	624	1130	7.58	235	0	82	6.9	87.5	28.9	0.05	0.01	186.0	40	287	0	338	+0.39	2.4	1.84
12	Treated	01/04/12	413	725	7.28	208	0	37	6.7	66.6	20.6	3.96	0.10	81.1	35	254	0	251	-0.08	0.1	0.77
01	Treated	01/04/12	249	428	7.47	180	0	8	4.9	43.7	18.6	0.35	0.04	8.7	28	219	0	186	-0.14	0.2	1.21
01	Treated	10/22/14	273	433	7.57	178	0	10	5.4	48.1	20.2	0.15	0.02	11.0	29	218	0	203	+0.00	0.1	2.10
12	Treated	10/22/14	391	656	7.72	225	0	50	6.6	64.8	18.6	2.36	0.08	45.7	41	274	0	238	+0.38	0.0	1.67
14	Treated	10/22/14	616	1110	7.74	241	0	92	7.4	98.8	30.4	0.00	0.00	172.0	33	294	0	372	+0.61	2.6	1.21
Averages			312	556	6.89	172	0	38	5.5	49.0	16.6	0.57	0.07	49.9	34	207	0	174		0.7	1.22