

EPA ID#: 0159 System Name: City of Hill City

Sampler- Mr Dennis Schrier Work Phone-(605)574-4155
 Title- Public Works Directo
 Address- PO Box 395
 Hill City SD 57745-0395

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

Population Served- 950 Service Connections- 457

Sources for Hill City

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	TREAT SITE-#1 GALLER				Emergency	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Fluoridation - H2SiF6
02	TREAT SITE-#2 GALLER				Emergency	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Fluoridation - H2SiF6
03	TREAT SITE - #1A				Permanent	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Corrosion Control - Phosphates Fluoridation - H2SiF6
04	TREAT SITE-#3 GALLER					Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Fluoridation - H2SiF6
05	TREAT SITE - #2A	1950		8		Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Fluoridation - H2SiF6
06	TREAT SITE - #4				Permanent	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Corrosion Control - Phosphates Fluoridation - H2SiF6
07	TREAT SITE - #5				Emergency	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Hypochlorites Fluoridation - H2SiF6
08	ENTRY POINT #4 #5				Emergency		Non-Vulnerable	No Treatment
11	#2B	1947	250	8		Groundwater	Non-Vulnerable	No Treatment
13	#1 GALLERY	1947	19	96	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
14	#2 GALLERY	1950	17	10	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
15	#1A	1947	145	8	Permanent	Groundwater	Vulnerable	Treatment At Plant
16	#3 GALLERY	1978	17	8		Groundwater	Non-Vulnerable	Treatment At Plant
17	#2A	1950	250	8		Groundwater	Non-Vulnerable	Treatment At Plant
18	#4	1989	329	6	Permanent	Groundwater	Vulnerable	Treatment At Plant
19	#5	1989	430	6	Emergency	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	11/18/81	224	360	7.04	150	0	14	6.1	38.0	13.0	0.08	0.03	7.0	22	183	0	149	-0.99	4.7	0.27
02	Raw	05/04/88	144	223	6.98	154	0	8	4.0	21.0	7.0	0.05	0.03	6.0	4	188	0	82	-1.77	0.6	0.29
03	Raw	09/22/93	152	355	7.11	158	0	11	5.0	50.0	14.0	0.05	0.03	8.0	20	193	0	183	-0.39	2.1	0.24
04	Raw	11/18/81	256	510	7.10	186	0	17	7.6	55.0	16.0	3.60	0.57	41.0	25	227	0	213	-0.68	0.1	0.25
06	Raw	09/22/93	126	350	6.90	122	0	10	5.0	41.0	14.0	0.05	0.03	18.0	29	149	0	160	-0.79	2.4	0.23
07	Raw	09/22/93	190	430	6.94	145	0	12	5.0	52.0	17.0	0.05	0.03	32.0	29	177	0	200	-0.61	0.6	0.28
06	Raw	03/17/97	200	355	7.20	120	0	11	5.0	30.0	13.0	0.05	0.03	12.0	30	146	0	129	+0.60	1.2	0.20
03	Raw	03/17/97	250	480	8.20	210	0	24	7.0	55.0	19.0	0.05	0.03	9.0	27	256	0	216	+1.30	1.0	0.20
06	Raw	03/12/03	232	400	7.51	136	0	12	4.8	40.4	15.2	0.05	0.05	26.0	25	166	0	10	-0.25	1.0	0.28
15	Raw	01/19/06	288	536	7.40	163	0	17	4.6	55.1	19.8	0.10	0.01	48.0	24	199	0	219	-0.15	0.4	0.20
18	Raw	01/19/06	241	450	7.53	142	0	13	4.9	45.4	16.7	0.05	0.01	34.0	21	174	0	182	-0.16	0.6	0.28
15	Raw	11/20/14	268	471	7.20	174	0	15	4.8	54.3	17.8	0.00	0.00	28.2	25	212	0	209	-0.33	1.9	0.28
Averages			214	410	7.26	155	0	14	5.3	44.8	15.2	0.35	0.07	22.4	23	189	0	163		1.4	0.25

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	03/25/80	218	343	7.31	149	0	9	4.5	42.0	16.0	0.02	0.04	10.7	20	182	0	171	-0.68	0.4	0.24
03	Treated	10/14/99	220	384	7.42	138	0	11	5.0	41.0	14.0	0.02	0.01	16.0	30	168	0	160	-0.36	0.7	0.30
06	Treated	10/14/99	214	356	7.23	152	0	13	4.0	39.0	12.0	0.06	0.01	4.0	19	185	0	146	-0.53	0.7	0.30
03	Treated	03/12/03	272	447	7.55	159	0	13	4.2	45.9	17.6	0.05	0.05	23.5	30	194	0	11	-0.09	1.3	1.44
03	Treated	01/14/09	267	502	7.43	172	0	13	3.0	41.4	19.3	0.05	0.01	30.0	23	210	0	183	-0.22	0.7	1.29
06	Treated	01/14/09	244	460	7.72	146	0	16	3.8	35.7	16.9	0.15	0.01	35.5	19	178	0	159	-0.66	0.7	0.28
03	Treated	09/29/11	284	467	7.03	180	0	14	5.2	56.2	18.1	0.03	0.05	27.0	25	220	0	215	-0.46	1.2	0.73
18	Treated	09/29/11	266	443	7.06	152	0	16	5.5	49.5	16.5	0.04	0.05	32.0	29	185	0	191	-0.56	1.2	0.30
06	Treated	11/20/14	264	475	7.04	141	0	23	5.5	47.6	17.0	0.00	0.00	46.4	24	172	0	189	-0.64	2.0	1.54
Averages			250	431	7.31	154	0	14	4.5	44.3	16.4	0.05	0.03	25.0	24	188	0	158		1.0	0.71