

**EPA ID#: 0274 System Name: Rapid Valley Sanitary District**

Sampler- Mr Rusty Schmidt                      Work Phone-(605)393-1050  
 Title- System Manager  
 Address- 4611 Teak Drive  
           Rapid City SD 57703

Location- City: Rapid City County: Pennington  
 Service Area- Other residential areas  
 PWS Owner Type- Private Ownership  
 Water Supply Type- Surface Water Supply

Population Served- 9,075      Service Connections- 3,770

**Sources for Rapid Valley Sanitary District**

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	TREAT SITE - #2					Treatment Plant	Non-Vulnerable	Disinfection - Hypochlorites
02	GALLERY	1971	0	0			Vulnerable	Treatment At Plant
03	RAPID CREEK	1980	0000	0000		Surface Water	Vulnerable	Treatment At Plant
04	CITY OF RAPID CITY	0000	0000	0000	Emergency	Purchased Surface	Non-Vulnerable	Water Treated By Seller - Purchased Surface Only
05	TREATMENT PLANT					Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection - Gas Chlorine Filtration - Pressure Sand Corrosion Control - Mixing Device Sedimentation Fluoridation - H2SiF6
06	#4	1991	3800	8		Groundwater	Non-Vulnerable	Treatment At Plant
10	#2	1962	1344	8		Groundwater	Vulnerable	Treatment At Plant
12	NEW MICRO FILTRATION PLANT	2007			Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - Alum Polymers Disinfection - Hypochlorites Ultra Violet Filtration - Carbon Filter Mixing Device Fluoridation - H2SiF6
13	NEW RAPID CREEK INTAKE	2008			Permanent	Surface Water	Non-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	09/01/94	476	725	7.41	215	0	29	6.0	108.0	27.0	0.05	0.03	29.0	167	262	0	381	+0.31	0.1	0.63
05	Raw	06/17/92	342	540	8.20	160	0	8	4.0	64.0	27.0	0.15	0.03	7.0	97	195	0	271	+0.39	0.1	0.34
03	Raw	06/29/88	262	445	8.03	178	0	4	4.0	56.0	25.0	0.05	0.03	4.0	80	217	0	243	+0.24	0.1	0.26
02	Raw	09/01/94	425	625	7.43	203	0	13	4.0	95.0	29.0	0.05	0.03	15.0	130	248	0	357	+0.25	0.4	0.96
04	Raw	06/29/88	246	450	7.74	184	0	5	4.0	53.0	25.0	0.05	0.03	2.0	70	224	0	236	-0.07	0.1	0.27
06	Raw	06/17/92	384	560	7.59	143	0	7	4.0	64.0	27.0	0.73	0.03	9.0	123	174	0	271	-0.26	0.2	0.54
05	Raw	08/14/97	344	487	8.03	139	0	7	3.1	58.8	22.7	0.61	0.04	11.0	110	170	0	240	+0.43	0.2	0.24
01	Raw	07/19/00	479	703	7.60	218	0	25	6.5	85.8	26.7	0.07	0.02	3.0	166	266	0	324	+0.33	0.1	0.69
05	Raw	04/19/04	531	815	7.60	210	0	22	3.4	89.2	36.0	0.96	0.17	34.0	178	256	0	371	+0.37	0.2	0.33
12	Raw	05/20/10	315	512	8.30	159	0	9	2.8	55.9	21.6	0.24	0.06	14.0	91	194	0	228	+0.74	0.0	0.28
12	Raw	12/05/12	426	697	8.30	195	0	15	3.5	119.0	31.2	0.08	0.02	23.3	147	238	0	426	+1.16	0.0	0.00
Averages			385	596	7.84	182	0	13	4.1	77.2	27.1	0.28	0.04	13.8	124	222	0	304		0.1	0.41

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	Treated	05/07/90	306	510	7.62	168	0	6	3.0	56.0	23.0	0.05	0.03	7.0	100	205	0	235	-0.20	0.1	0.31
05	Treated	08/14/97	241	394	7.57	0	0	5	2.4	44.9	19.5	0.06	0.02	8.0	35	194	0	192	-0.06	0.3	1.18
05	Treated	07/19/00	353	509	7.66	173	0	8	2.7	64.6	23.2	0.09	0.02	11.0	82	211	0	257	+0.19	0.5	1.20
05	Treated	04/19/04	520	820	7.46	198	0	22	3.4	90.0	36.0	0.05	0.01	33.0	183	242	0	373	+0.21	0.5	4.14
01	Treated	04/19/04	441	710	7.66	225	0	24	6.1	83.4	26.5	1.07	0.02	4.8	157	275	0	317	+0.43	0.1	0.70
01	Treated	04/10/07	422	719	7.63	223	0	24	5.8	75.3	26.4	0.05	0.01	3.0	152	272	0	297	+0.35	0.1	0.67
12	Treated	05/20/10	328	535	8.12	156	0	12	2.9	58.1	22.7	0.03	0.02	18.0	93	190	0	238	+0.56	0.2	1.05
12	Treated	12/05/12	426	719	8.05	192	0	16	3.6	94.2	31.5	0.05	0.01	29.5	152	234	0	365	+0.81	0.0	0.00
Averages			380	615	7.72	167	0	15	3.7	70.8	26.1	0.18	0.02	14.3	119	228	0	284		0.2	1.16