

**EPA ID#: 0342 System Name: City of Vermillion**

Sampler- Mr Randy Isaacson                      Work Phone-(605)677-7079  
 Title- Water Superintendent  
 Address- 25 Center Street  
           Vermillion SD 57069

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

Population Served- 10,571      Service Connections- 2,989

**Sources for Vermillion**

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	#1	1941	110	12		Groundwater	Non-Vulnerable	No Treatment
02	#2	1982	110	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
05	#5	1972	110	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
06	TREATMENT PLANT				Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - Lime Polymers Soda Ash Disinfection - Hypochlorites Filtration - Anthrafilter Corrosion Control - Phosphates Mixing Device Recarbonation Sedimentation Fluoridation - H2SiF6
10	GOLF COURSE USE WELL	1995	200	8	Emergency	Groundwater	Non-Vulnerable	No Treatment
11	#6	1997	110	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
12	#4	1997	110	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
13	#3	2001	110	12	Permanent	Groundwater	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
06	Raw	06/19/96	1156	1431	7.38	354	0	81	13.1	184.0	54.6	2.19	1.46	29.0	514	432	0	684	+0.54	0.1	0.87
01	Raw	08/22/85	1131	1480	7.23	505	0	87	11.1	187.0	56.9	1.91	1.61	15.1	373	616	0	701	+0.35	0.1	0.54
02	Raw	08/22/85	1166	1447	7.19	425	0	84	11.6	191.0	51.5	1.68	1.55	21.9	427	518	0	689	+0.24	0.1	0.73
03	Raw	08/22/85	1167	1423	7.29	427	0	87	11.0	194.0	51.1	1.87	1.56	20.0	427	521	0	695	+0.35	0.1	0.71
04	Raw	08/22/85	1163	1426	7.23	370	0	87	11.8	191.0	47.6	5.05	1.79	26.4	450	451	0	673	+0.22	0.1	0.93
05	Raw	08/22/85	1344	1523	7.29	291	0	68	12.7	221.0	54.3	1.96	2.40	42.2	582	355	0	775	+0.23	0.2	1.07
06	Raw	12/08/98	1155	1490	7.34	336	0	80	14.4	196.0	52.0	2.25	1.57	23.0	501	410	0	703	+0.40	0.1	0.96
02	Raw	03/25/02	1191	1580	7.30	315	0	75	14.0	186.0	50.4	2.41	1.61	28.0	534	384	0	672	+0.41	0.1	0.97
06	Raw	11/17/09	1170	1510	7.29	294	0	72	13.4	196.0	55.9	2.31	1.80	28.0	585	359	0	719	+0.40	0.2	1.01
06	Raw	06/05/13	1157	1510	7.57	307	0	76	13.3	202.0	60.7	2.44	1.67	27.0	547	375	0	754	+0.71	0.2	0.89
Averages			1180	1482	7.31	362	0	80	12.6	194.8	53.5	2.41	1.70	26.1	494	442	0	707		0.1	0.87

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
06	Treated	06/19/96	834	1166	9.69	45	14	125	13.4	100.0	15.7	0.06	0.02	29.0	536	21	17	314	+1.23	0.6	1.19
06	Treated	12/08/98	897	1250	9.74	53	24	148	15.2	93.4	13.2	0.06	0.02	29.0	524	6	0	288	+1.81	0.4	1.22
06	Treated	03/25/02	902	1260	9.60	52	15	169	14.6	66.8	17.0	0.03	0.02	28.0	523	27	18	237	+1.52	0.7	1.32
06	Treated	11/17/09	901	1330	9.48	49	13	158	14.1	88.4	17.4	0.16	0.06	37.0	565	28	16	292	+1.50	0.6	1.14
06	Treated	06/05/13	890	1310	8.73	52	3	180	13.6	62.5	19.0	0.06	0.08	29.0	531	56	4	234	+0.62	1.2	1.47
Averages			885	1263	9.45	50	14	156	14.2	82.2	16.5	0.07	0.04	30.4	536	28	11	273		0.7	1.27