

EPA ID#: 0340 System Name: City of Valley Springs

Sampler- Mr Ryan Nussbaum Work Phone-(605)757-6553
Title- Contract Operator
Address- PO Box 118
Valley Springs SD 57068-0118

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

Population Served- 800 Service Connections- 319

Sources for Valley Springs

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	TREAT SITE-#1 NORTH					Treatment Plant	Non-Vulnerable	Aeration Disinfection - Gas Chlorine Fluoridation - H2SiF6
02	TREAT SITE - #2 EAST				Emergency	Treatment Plant	Non-Vulnerable	Aeration Disinfection - Gas Chlorine Fluoridation - H2SiF6
04	TREAT SITE - WEST				Permanent	Treatment Plant	Non-Vulnerable	Disinfection - Gas Chlorine Corrosion Control - Phosphates
05	#1 NORTH	1965	159	24		Groundwater	Non-Vulnerable	Treatment At Plant
06	#2 EAST	1975	176	8	Emergency	Groundwater	Non-Vulnerable	Treatment At Plant
07	WEST WELL	1998	175	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
02	Raw	12/21/93	542	825	8.04	310	0	36	6.6	99.0	37.6	0.53	0.45	1.7	166	378	0	402	+1.05	0.1	0.42
04	Raw	08/19/03	549	840	7.42	340	0	30	7.1	104.0	34.9	5.60	0.49	3.0	145	415	0	403	+0.41	0.1	0.37
Averages			546	833	7.73	325	0	33	6.9	101.5	36.3	3.07	0.47	2.4	156	397	0	403		0.1	0.40

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	12/21/93	548	825	7.78	308	0	31	6.3	99.8	34.8	0.68	0.42	1.0	158	376	0	392	+0.80	0.1	1.15
01	Treated	07/30/91	543	853	7.49	323	0	32	6.1	96.6	31.3	0.73	0.41	7.5	115	394	0	419	+0.11	0.5	0.83
02	Treated	04/18/84	584	912	6.95	338	0	37	7.5	103.0	39.2	0.21	0.49	8.6	155	412	0	418	-0.32	0.1	2.10
01	Treated	02/16/96	519	763	7.48	324	0	31	7.0	98.3	33.2	0.65	0.36	6.0	114	395	0	382	+0.43	0.1	2.22
02	Treated	02/16/96	587	872	7.62	340	0	36	7.6	106.6	38.1	0.67	0.42	8.0	186	415	0	423	+0.61	0.1	0.99
01	Treated	08/27/98	523	786	7.56	331	0	29	6.2	90.5	30.7	0.58	0.38	2.0	108	404	0	352	+0.48	0.1	0.46
02	Treated	08/27/98	616	884	7.36	341	0	35	7.2	100.0	36.1	0.49	0.41	4.0	121	416	0	398	+0.32	0.1	1.12
02	Treated	08/19/03	575	854	7.28	338	0	34	7.4	108.0	34.6	0.63	0.45	6.0	154	412	0	412	+0.28	0.1	1.17
02	Treated	08/17/06	599	868	7.69	334	0	37	7.3	107.0	34.6	0.69	0.39	6.0	153	407	0	410	+0.67	0.1	1.31
04	Treated	08/15/12	574	854	7.39	326	0	38	7.2	111.0	36.0	0.14	0.39	6.0	151	398	0	425	+0.38	0.2	1.28
04	Treated	04/21/16	577	843	7.80	329	0	37	6.9	99.7	34.2	0.24	0.39	6.0	121	401	0	390	+0.75	0.0	0.42
Averages			568	847	7.49	330	0	34	7.0	101.9	34.8	0.52	0.41	5.6	140	403	0	402		0.1	1.19