

EPA ID#: 0190 System Name: Lead-Deadwood Sanitary District

Sampler- Mr Joe Barrett Work Phone-(605)578-1835
 Title- Water Manager
 Address- PO Box 413
 Deadwood SD 57732-0413

Location- City: Deadwood County: Lawrence
 Service Area- Wholesale of Water
 PWS Owner Type- Local Government
 Water Supply Type- Surface Water Supply

Population Served- 0 Service Connections- 2

Sources for Lead-Deadwood Sanitary District

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	SPEARFISH CREEK	0000	0000	0000	Emergency	Surface Water	Vulnerable	Treatment At Plant
02	WARD DRAW INTAKE	0000	0000	0000	Permanent	Surface Water	Vulnerable	Treatment At Plant
04	RAPID DITCH INTAKE	0000	0000	0000	Permanent	Surface Water	Vulnerable	Treatment At Plant
05	CLARK SPR. II SOUTH	0000	0000	0000	Permanent	Surface Water	Vulnerable	Treatment At Plant
06	ELK DITCH #1	0000	0000	0000		Surface Water	Vulnerable	Treatment At Plant
07	ELK DITCH #2	0000	0000	0000		Surface Water	Non-Vulnerable	Treatment At Plant
08	ELK DITCH #3	0000	0000	0000		Surface Water	Non-Vulnerable	Treatment At Plant
09	ELK DITCH #4	0000	0000	0000		Surface Water	Non-Vulnerable	Treatment At Plant
10	PEAK DITCH WEIR HOUS	0000	0000	0000	Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
11	HOMESTAKE SPRINGS I	0000	0000	0000	Permanent	Surface Water	Vulnerable	Treatment At Plant
12	HANNA CR. MAIN INTAK	0000	0000	0000	Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
13	RADDICK DITCH INTAKE	0000	0000	0000	Permanent	Surface Water	Vulnerable	Treatment At Plant
14	SCHAEFER DITCH INT.	0000	0000	0000	Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
16	BOWEN INTAKE				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
17	CLARK SPRINGS 1				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
18	CLARK SPRINGS 2				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
19	KEOGH I INTAKE				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
20	KEOGH II INTAKE				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
21	ELK DITCH INTAKE #5					Surface Water	Non-Vulnerable	Treatment At Plant
22	CLARK I NORTH SPR.				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
23	HOMESTAKE II				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant

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Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
24	WILDCAT DRAWS INT.				Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
25	LDSD TREATMENT PLANT	1996			Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - Alum Polymers Disinfection - Gas Chlorine Filtration - Mixed Media Mixing Device Sedimentation Fluoridation - H2SiF6
28	WILDCAT #2 DRAW				Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
29	WILDCAT #3 DRAW				Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
30	WILDCAT #4 DRAW				Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
31	NEW ELK WEIR INTAKE					Surface Water	Non-Vulnerable	Treatment At Plant
32	KEOUGH SPR. INTAKE				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
33	GRIT REMOVAL BLDG				Permanent	Treatment Plant	Non-Vulnerable	Sedimentation
34	RAPID DITCH WEIR HS.				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
35	CLARK WEIR HOUSE				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
38	OLD ABE WEIR				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
39	HANNA CREEK BYPASS				Emergency	Surface Water	Non-Vulnerable	Treatment At Plant
40	WILDCAT #5 DRAW				Permanent	Surface Water	Non-Vulnerable	Treatment At Plant
41	WHITEWOOD INTAKE AT ENGLEWOOD				Emergency	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	06/15/94	222	450	8.16	249	0	1	1.0	79.0	22.0	0.05	0.03	19.0	2	304	0	288	+1.03	0.1	0.10
01	Raw	06/15/94	234	450	8.20	245	0	1	1.0	73.0	21.0	0.05	0.03	14.0	1	299	0	269	+1.02	0.2	0.10
02	Raw	06/15/94	248	450	8.05	255	0	1	1.0	69.0	27.0	0.05	0.03	17.0	2	311	0	284	+0.86	0.2	0.10
02	Raw	10/09/85	242	400	7.80	267	0	1	1.0	57.0	26.0	0.05	0.59	1.9	3	326	0	251	+0.20	0.3	0.14
03	Raw	05/16/90	239	399	7.99	228	0	0	0.4	52.8	26.6	0.01	0.01	7.3	10	278	0	241	+0.28	0.1	0.10
04	Raw	05/13/92	230	460	7.83	251	0	1	1.0	43.0	25.0	0.05	0.03	1.0	3	306	0	211	+0.07	0.1	0.10
05	Raw	06/15/94	224	450	8.01	240	0	1	1.0	63.0	29.0	0.05	0.03	17.0	7	293	0	277	+0.76	0.1	0.10
06	Raw	06/15/94	224	450	8.31	250	0	1	1.0	65.0	29.0	0.05	0.03	18.0	4	305	0	282	+1.09	0.1	0.10
07	Raw	06/15/94	232	450	8.30	264	0	1	1.0	64.0	32.0	0.05	0.03	14.0	6	322	0	292	+1.09	0.1	0.10
08	Raw	06/15/94	238	460	7.97	259	0	1	1.0	66.0	30.0	0.05	0.03	23.0	4	316	0	289	+0.77	0.1	0.10
09	Raw	06/15/94	236	460	8.24	263	0	1	1.0	74.0	30.0	0.05	0.03	17.0	4	321	0	309	+1.10	0.1	0.10
10	Raw	10/28/87	246	453	8.56	265	0	1	2.0	59.0	28.0	0.05	0.03	3.0	0	323	0	263	+0.56	0.2	0.12
11	Raw	06/15/94	204	440	7.67	240	0	1	1.0	66.0	28.0	0.05	0.03	18.0	1	293	0	280	+0.44	0.2	0.10
12	Raw	05/16/90	251	401	8.26	236	0	0	0.5	63.3	21.8	0.01	0.01	7.8	10	288	0	248	+0.64	0.2	0.14
13	Raw	06/15/94	240	450	8.06	254	0	1	1.0	78.0	24.0	0.05	0.03	22.0	1	310	0	294	+0.19	0.2	0.10
14	Raw	06/15/94	222	440	8.36	245	0	1	1.0	61.0	28.0	0.05	0.03	21.0	3	299	0	268	+1.10	0.2	0.10
18	Raw	05/13/92	254	450	7.64	229	0	1	1.0	41.0	24.0	0.05	0.03	4.0	3	279	0	189	-0.18	0.4	0.11
17	Raw	05/13/92	212	445	7.71	226	0	2	1.0	41.0	25.0	0.05	0.03	3.0	4	276	0	206	-0.11	0.7	0.12
19	Raw	06/15/94	232	450	7.95	262	0	1	1.0	66.0	29.0	0.05	0.03	18.0	3	320	0	284	+0.76	0.1	0.10
16	Raw	05/13/92	202	430	8.15	236	0	1	1.0	44.0	25.0	0.05	0.03	1.0	2	288	0	213	+0.38	0.1	0.10
20	Raw	06/15/94	242	460	7.91	260	0	1	1.0	72.0	29.0	0.05	0.03	17.0	3	317	0	299	+0.75	0.2	0.10
23	Raw	06/15/94	218	450	7.63	250	0	1	1.0	71.0	28.0	0.05	0.03	24.0	2	305	0	293	+0.45	0.2	0.10
22	Raw	06/15/94	228	450	8.00	238	0	3	1.0	66.0	29.0	0.05	0.03	21.0	9	290	0	284	+0.76	0.3	0.10
21	Raw	06/15/94	248	460	8.00	264	0	1	1.0	70.0	31.0	0.05	0.03	23.0	4	322	0	303	+0.86	0.2	0.10
15	Raw	04/04/96	258	436	8.27	250	0	2	0.6	60.2	26.9	1.05	0.07	3.0	10	305	0	261	+1.01	0.3	0.13
25	Raw	08/05/98	265	481	8.03	261	0	1	0.7	58.4	27.6	0.07	0.02	2.0	10	318	0	259	+0.72	0.3	0.13
25	Raw	06/30/05	261	484	8.38	258	0	2	0.5	51.1	28.9	0.05	0.01	3.5	10	306	0	247	+1.00	0.1	0.10
25	Raw	02/29/08	194	485	8.25	267	0	1	0.5	48.6	25.8	0.05	0.01	1.0	10	326	0	228	+0.86	0.0	0.09
25	Raw	06/16/11	275	458	8.18	270	0	2	0.5	60.6	28.8	0.20	0.21	3.0	10	329	0	270	+0.90	0.2	0.11
Averages			235	448	8.06	251	0	1	0.9	61.5	27.1	0.09	0.05	11.9	5	306	0	265		0.2	0.11

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Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
15	Treated	06/15/94	236	450	8.21	249	0	1	1.0	71.0	26.0	0.05	0.03	25.0	3	304	0	285	+1.03	0.2	0.10
15	Treated	04/04/96	262	436	8.03	243	0	2	0.6	59.9	27.0	0.06	0.02	3.0	10	296	0	261	+1.15	0.3	1.16
25	Treated	08/05/98	269	494	7.89	255	0	1	0.6	56.6	27.3	0.06	0.02	2.0	10	311	0	255	+0.56	0.2	1.16
25	Treated	06/30/05	258	489	8.05	251	0	2	0.5	50.5	29.2	0.05	0.01	5.0	14	306	0	246	+0.65	0.5	1.39
25	Treated	02/29/08	243	491	8.04	262	0	1	0.5	49.4	28.0	0.05	0.01	3.3	10	320	0	239	+0.65	1.0	1.21
25	Treated	06/16/11	275	480	7.92	262	0	2	0.5	60.5	28.6	0.18	0.20	3.0	10	320	0	269	+0.62	0.2	1.13
25	Treated	05/16/17	240	492	8.21	251	0	1	0.0	60.0	29.6	0.00	0.00	1.4	0	306	0	272	+0.89	0.0	0.66
Averages			255	476	8.05	253	0	1	0.5	58.3	28.0	0.06	0.04	6.1	8	309	0	261		0.3	0.97