

EPA ID#: 0192 System Name: City of Lemmon

Sampler- Mr Dave Huber Work Phone-(605)374-5631
 Title- Water Superintendent
 Address- 303 1st Ave West
 Lemmon SD 57638

Location- City: Lemmon County: Perkins
 Service Area- Municipality
 PWS Owner Type- Local Government
 Water Supply Type- Purchased Surface Water Supply

Population Served- 1,227 Service Connections- 650

Sources for Lemmon

| Source | Name | Year Built | Depth (feet) | Diameter (inches) | Availability | Type | Vulnerability | Treatment |
|--------|----------------------------|------------|--------------|-------------------|--------------|-------------------|----------------|------------------------------------------------------------|
| 01 | TREAT SITE - #8 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine Corrosion Control - Phosphates |
| 02 | TREAT SITE - #9 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine Corrosion Control - Phosphates |
| 03 | TREAT SITE - #3 | | | | | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine |
| 05 | TREAT SITE - #5 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine Corrosion Control - Phosphates |
| 07 | TREAT SITE - #10 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine Corrosion Control - Phosphates |
| 08 | TREAT SITE - #11 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine Corrosion Control - Phosphates |
| 09 | CL POINT FOR #8/#9 | | | | Emergency | Treatment Plant | Non-Vulnerable | Disinfection - Gas Chlorine |
| 12 | #3 | 1936 | 305 | 10 | | Groundwater | Non-Vulnerable | Treatment At Plant |
| 13 | #5 | 1951 | 909 | 12 | Emergency | Groundwater | Vulnerable | Treatment At Plant |
| 14 | #10 | 1986 | 1000 | 8 | Emergency | Groundwater | Vulnerable | Treatment At Plant |
| 15 | #11 | 1995 | 950 | 12 | Emergency | Groundwater | Non-Vulnerable | Treatment At Plant |
| 16 | #8 | 1964 | 900 | 8 | Emergency | Groundwater | Vulnerable | Treatment At Plant |
| 17 | #9 | 1970 | 900 | 12 | Emergency | Groundwater | Vulnerable | Treatment At Plant |
| 18 | PERKINS COUNTY RURAL WATER | 2005 | | | Permanent | Purchased Surface | Non-Vulnerable | Water Treated By Seller - Purchased Surface Only |

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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 |
|----------|------|----------|------|-------------|------|-------|-------|-----|-----|-----|-----|------|------|-------|-----|------|-----|----------|----------|-----|------|
| 04 | Raw | 06/18/92 | 1528 | 2421 | 8.48 | 657 | 177 | 585 | 2.7 | 6.0 | 1.9 | 0.95 | 0.02 | 32.9 | 592 | 370 | 212 | 23 | +0.18 | 0.1 | 2.56 |
| 05 | Raw | 09/16/97 | 1108 | 1930 | 8.32 | 708 | 14 | 451 | 1.4 | 3.3 | 0.5 | 2.02 | 0.07 | 186.0 | 13 | 830 | 17 | 10 | *0.04 | 0.1 | 3.52 |
| 01 | Raw | 09/16/97 | 1130 | 1990 | 8.36 | 725 | 7 | 465 | 1.4 | 2.0 | 0.4 | 0.36 | 0.02 | 212.0 | 16 | 867 | 2 | 7 | -0.13 | 0.2 | 3.39 |
| 02 | Raw | 09/16/97 | 1122 | 1890 | 8.37 | 715 | 16 | 461 | 1.5 | 2.6 | 0.4 | 1.59 | 0.09 | 178.0 | 20 | 834 | 19 | 8 | -0.01 | 0.1 | 3.43 |
| 07 | Raw | 09/16/97 | 1023 | 1790 | 8.59 | 718 | 27 | 423 | 1.3 | 1.8 | 0.3 | 0.06 | 0.02 | 138.0 | 10 | 810 | 32 | 6 | +0.06 | 0.1 | 3.93 |
| 08 | Raw | 09/16/97 | 1177 | 2090 | 8.54 | 718 | 17 | 492 | 1.5 | 2.1 | 0.4 | 0.11 | 0.02 | 246.0 | 10 | 834 | 20 | 7 | +0.06 | 0.2 | 3.27 |
| 05 | Raw | 08/08/00 | 1090 | 2060 | 8.42 | 696 | 0 | 334 | 2.0 | 1.0 | 1.0 | 0.47 | 0.01 | 189.0 | 1 | 849 | 13 | 2 | +0.34 | 0.1 | 3.40 |
| 01 | Raw | 08/08/00 | 1160 | 2100 | 8.53 | 698 | 0 | 363 | 2.0 | 2.0 | 1.0 | 0.03 | 0.01 | 215.0 | 22 | 851 | 16 | 5 | +0.07 | 0.1 | 3.20 |
| 07 | Raw | 08/08/00 | 1010 | 1750 | 8.58 | 704 | 0 | 298 | 1.0 | 1.0 | 1.0 | 0.03 | 0.01 | 133.0 | 1 | 859 | 18 | 2 | -0.18 | 0.1 | 3.30 |
| 08 | Raw | 08/08/00 | 1170 | 2040 | 8.54 | 702 | 0 | 350 | 2.0 | 2.0 | 1.0 | 0.05 | 0.01 | 227.0 | 1 | 856 | 17 | 5 | +0.08 | 0.1 | 3.00 |
| Averages | | | 1152 | 2006 | 8.47 | 704 | 26 | 422 | 1.7 | 2.4 | 0.8 | 0.57 | 0.03 | 175.7 | 68 | 796 | 37 | 7 | | 0.1 | 3.30 |

| Source | Type | Date | TDS | Conductance | pH | Alk-M | Alk-P | Na | K | Ca | Mg | Fe | Mn | Cl | SO4 | HCO3 | CO3 | Hardness | Langlier | NO3 | F |
|----------|---------|----------|------|-------------|------|-------|-------|-----|-----|------|-----|------|------|-------|------|------|-----|----------|----------|-----|------|
| 03 | Treated | 06/29/94 | 2472 | 3536 | 8.14 | 643 | 0 | 895 | 5.6 | 18.9 | 6.8 | 0.96 | 0.30 | 9.6 | 1292 | 784 | 0 | 75 | 00.72 | 0.2 | 1.03 |
| 01 | Treated | 06/29/94 | 1158 | 1995 | 8.56 | 680 | 0 | 509 | 1.4 | 2.5 | 0.5 | 0.12 | 0.22 | 237.2 | 31 | 809 | 10 | 8 | +0.29 | 0.1 | 3.17 |
| 02 | Treated | 06/29/94 | 1121 | 1995 | 8.61 | 695 | 0 | 469 | 1.3 | 2.2 | 0.4 | 0.60 | 0.27 | 184.6 | 30 | 828 | 9 | 7 | +0.29 | 0.2 | 3.32 |
| 05 | Treated | 06/29/94 | 1081 | 1890 | 8.61 | 704 | 7 | 464 | 1.3 | 2.3 | 0.5 | 0.18 | 0.00 | 186.2 | 12 | 842 | 0 | 8 | +0.32 | 0.1 | 3.44 |
| 07 | Treated | 06/29/94 | 1008 | 1733 | 8.64 | 694 | 15 | 434 | 1.2 | 1.8 | 0.4 | 0.06 | 0.04 | 139.8 | 11 | 810 | 18 | 6 | +0.23 | 0.1 | 3.86 |
| 02 | Treated | 08/08/00 | 1090 | 1950 | 8.47 | 706 | 0 | 315 | 1.0 | 1.0 | 1.0 | 0.05 | 0.01 | 163.0 | 18 | 861 | 14 | 2 | -0.29 | 0.1 | 3.10 |
| 01 | Treated | 10/29/03 | 1075 | 1901 | 8.53 | 722 | 0 | 456 | 1.4 | 2.7 | 0.5 | 0.14 | 0.05 | 178.0 | 26 | 846 | 0 | 7 | +0.32 | 0.5 | 3.33 |
| 02 | Treated | 10/29/03 | 1089 | 1912 | 8.50 | 717 | 0 | 444 | 1.4 | 2.7 | 0.5 | 0.05 | 0.05 | 175.0 | 26 | 845 | 0 | 7 | +0.28 | 0.5 | 3.33 |
| 07 | Treated | 10/29/03 | 990 | 1766 | 8.71 | 714 | 0 | 417 | 1.3 | 3.3 | 0.5 | 0.10 | 0.05 | 144.0 | 11 | 800 | 0 | 8 | +0.58 | 0.1 | 3.72 |
| 08 | Treated | 10/29/03 | 1107 | 1989 | 8.56 | 728 | 0 | 451 | 1.5 | 7.1 | 0.5 | 4.49 | 0.05 | 200.0 | 23 | 848 | 0 | 18 | +0.77 | 0.1 | 3.32 |
| Averages | | | 1219 | 2067 | 8.53 | 700 | 2 | 485 | 1.7 | 4.5 | 1.2 | 0.67 | 0.10 | 161.7 | 148 | 827 | 5 | 15 | | 0.2 | 3.16 |