

High Wind Dust Alert - 01/17/2020

Credit Union Site, Rapid City, South Dakota

Date and Time Issued: January 17, 2020 2:30 AM MST

Date Issued for: January 17, 2020 3:00 PM MST

Date and Time Cancelled: January 18, 2020 5:00 AM MST

| Date | Hours | PM10 Concentrations (ug/m3) | Wind Speed (MPH) | Wind Direction | Wind Gust (MPH) | Precipitation (Inches) | Weather Conditions | PM10 Standard |
|-------------------------|-------|-----------------------------|------------------|----------------|-----------------|------------------------|-----------------------|---------------|
| 01/17/2020 | 0:00 | 95.3 | 8 | ESE | | 0 | Mostly Cloudy | 150 |
| 01/17/2020 | 1:00 | 97.7 | 14 | SSE | | 0 | Partly Cloudy | 150 |
| 01/17/2020 | 2:00 | 99.9 | 9 | E | | 0 | Partly Cloudy | 150 |
| 01/17/2020 | 3:00 | 93.1 | 9 | SE | | 0 | Partly Cloudy | 150 |
| 01/17/2020 | 4:00 | 83.6 | 16 | SSE | | 0 | Partly Cloudy | 150 |
| 01/17/2020 | 5:00 | 73.8 | 17 | S | | 0 | Partly Cloudy | 150 |
| 01/17/2020 | 6:00 | 63.0 | 13 | SE | | 0 | Mostly Cloudy | 150 |
| 01/17/2020 | 7:00 | 59.3 | 10 | S | | 0 | Mostly Cloudy | 150 |
| 01/17/2020 | 8:00 | 52.7 | 7 | SE | | 0 | Cloudy | 150 |
| 01/17/2020 | 9:00 | 40.7 | 12 | S | | 0 | Mostly Cloudy | 150 |
| 01/17/2020 | 10:00 | 66.2 | 9 | S | | 0 | Cloudy | 150 |
| 01/17/2020 | 11:00 | 121.9 | 7 | SE | | 0 | Cloudy | 150 |
| 01/17/2020 | 12:00 | 141.3 | 0 | CALM | | 0 | Cloudy | 150 |
| 01/17/2020 | 13:00 | 217.2 | 24 | N | 32 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 14:00 | 220.4 | 40 | NNW | 56 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 15:00 | 368.5 | 45 | NNW | 62 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 16:00 | 58.8 | 39 | N | 58 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 17:00 | 96.2 | 49 | N | 63 | 0 | Unknown Precipitation | 150 |
| 01/17/2020 | 18:00 | 41.0 | 37 | NNW | 51 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 19:00 | 132.3 | 32 | NNW | 46 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 20:00 | 101.6 | 37 | NNW | 59 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 21:00 | 64.4 | 35 | NNW | 54 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 22:00 | 118.2 | 25 | NNW | 38 | 0 | Cloudy / Windy | 150 |
| 01/17/2020 | 23:00 | 61.5 | 30 | NNW | 44 | 0 | Partly Cloudy / Windy | 150 |
| 24-Hour Averages | | 107.0 | 21.8 | | | | | |

