

# High Wind Dust Alert - 11/01/2018

Credit Union Site, Rapid City, South Dakota

Date and Time Issued: November 1, 2018 3:35 AM MDT

Date Issued for: November 1, 2018 Noon MDT

Date and Time Cancelled: November 1, 2018 7:00 PM MDT

| Date                    | Hours | PM10 Concentrations (ug/m3) | Wind Speed (MPH) | Wind Direction | Wind Gust (MPH) | Precipitation (Inches) | Weather Conditions    | PM10 Standard |
|-------------------------|-------|-----------------------------|------------------|----------------|-----------------|------------------------|-----------------------|---------------|
| 11/01/2018              | 0:00  | 13.4                        | 0                | CALM           | 0               | 0                      | Mostly Cloudy         | 150           |
| 11/01/2018              | 1:00  | 19.8                        | 0                | CALM           | 0               | 0                      | Partly Cloudy         | 150           |
| 11/01/2018              | 2:00  | 19.4                        | 5                | WNW            | 0               | 0                      | Partly Cloudy         | 150           |
| 11/01/2018              | 3:00  | 10.0                        | 9                | NW             | 0               | 0                      | Partly Cloudy         | 150           |
| 11/01/2018              | 4:00  | 9.5                         | 9                | WNW            | 0               | 0                      | Partly Cloudy         | 150           |
| 11/01/2018              | 5:00  | 10.0                        | 8                | NNW            | 0               | 0                      | Mostly Cloudy         | 150           |
| 11/01/2018              | 6:00  | 59.8                        | 7                | W              | 0               | 0                      | Cloudy                | 150           |
| 11/01/2018              | 7:00  | 84.3                        | 9                | NNW            | 0               | 0                      | Cloudy                | 150           |
| 11/01/2018              | 8:00  | 34.1                        | 7                | NNW            | 0               | 0                      | Cloudy                | 150           |
| 11/01/2018              | 9:00  | 18.7                        | 3                | NW             | 0               | 0                      | Cloudy                | 150           |
| 11/01/2018              | 10:00 | 48.2                        | 7                | WNW            | 0               | 0                      | Cloudy                | 150           |
| 11/01/2018              | 11:00 | 45.3                        | 22               | NNW            | 30              | 0                      | Cloudy / Windy        | 150           |
| 11/01/2018              | 12:00 | 67.2                        | 29               | NW             | 38              | 0                      | Mostly Cloudy / Windy | 150           |
| 11/01/2018              | 13:00 | 56.2                        | 24               | NNW            | 36              | 0                      | Partly Cloudy / Windy | 150           |
| 11/01/2018              | 14:00 | 55.2                        | 23               | NNW            | 37              | 0                      | Fair / Windy          | 150           |
| 11/01/2018              | 15:00 | 6.9                         | 40               | NNW            | 49              | 0                      | Mostly Cloudy / Windy | 150           |
| 11/01/2018              | 16:00 | 6.7                         | 22               | NW             | 28              | 0                      | Partly Cloudy / Windy | 150           |
| 11/01/2018              | 17:00 | 9.8                         | 22               | NNW            | 30              | 0                      | Mostly Cloudy / Windy | 150           |
| 11/01/2018              | 18:00 | 23.8                        | 20               | NNW            | 28              | 0                      | Cloudy                | 150           |
| 11/01/2018              | 19:00 | 9.1                         | 23               | NNW            | 35              | 0                      | Cloudy / Windy        | 150           |
| 11/01/2018              | 20:00 | 14.7                        | 23               | NNW            | 31              | 0                      | Partly Cloudy / Windy | 150           |
| 11/01/2018              | 21:00 | 10.3                        | 23               | NNW            | 33              | 0                      | Fair / Windy          | 150           |
| 11/01/2018              | 22:00 | 5.1                         | 24               | NNW            | 30              | 0                      | Fair / Windy          | 150           |
| 11/01/2018              | 23:00 | 6.9                         | 22               | NNW            | 30              | 0                      | Fair / Windy          | 150           |
| <b>24-Hour Averages</b> |       | 26.9                        | 15.9             |                |                 |                        |                       |               |

