

High Wind Dust Alert - 12/09/2025

Credit Union Site, Rapid City, South Dakota

Date and Time Issued: December 9, 2025, 6:01 AM MDT  
Date Issued for: December 9, 2025, 10:00 AM MDT  
Date and Time Cancelled: December 9, 2025, 11:59 PM MDT

| Date             | Hours | PM10 Concentrations (ug/m3) | Wind Speed (MPH) | Wind Direction | Wind Gust (MPH) | Precipitation (Inches) | Weather Conditions    | PM10 Standard |
|------------------|-------|-----------------------------|------------------|----------------|-----------------|------------------------|-----------------------|---------------|
| 12/09/2025       | 0:00  | 0.5                         | 8                | WSW            | 0               | 0.0 in                 | Fair                  | 150           |
| 12/09/2025       | 1:00  | 2.5                         | 9                | WSW            | 0               | 0.0 in                 | Cloudy                | 150           |
| 12/09/2025       | 2:00  | 0.4                         | 7                | WSW            | 0               | 0.0 in                 | Cloudy                | 150           |
| 12/09/2025       | 3:00  | -1.1                        | 0                | CALM           | 0               | 0.0 in                 | Cloudy                | 150           |
| 12/09/2025       | 4:00  | -0.3                        | 6                | S              | 0               | 0.0 in                 | Cloudy                | 150           |
| 12/09/2025       | 5:00  | 3.2                         | 10               | SSW            | 0               | 0.0 in                 | Partly Cloudy         | 150           |
| 12/09/2025       | 6:00  | 4.1                         | 5                | SSW            | 0               | 0.0 in                 | Mostly Cloudy         | 150           |
| 12/09/2025       | 7:00  | 3.8                         | 7                | SW             | 0               | 0.0 in                 | Mostly Cloudy         | 150           |
| 12/09/2025       | 8:00  | 15.8                        | 5                | W              | 0               | 0.0 in                 | Cloudy                | 150           |
| 12/09/2025       | 9:00  | 16.9                        | 18               | WNW            | 0               | 0.0 in                 | Mostly Cloudy         | 150           |
| 12/09/2025       | 10:00 | 10.2                        | 25               | WNW            | 33              | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 11:00 | 8.0                         | 32               | WNW            | 41              | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 12:00 | 8.3                         | 35               | NNW            | 49              | N/a                    | Mostly Cloudy / Windy | 150           |
| 12/09/2025       | 13:00 | 63.3                        | 38               | NNW            | 45              | 0.0 in                 | Light Rain / Windy    | 150           |
| 12/09/2025       | 14:00 | 238.5                       | 31               | WNW            | 38              | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 15:00 | 12.8                        | 28               | NNW            | 37              | 0.0 in                 | Mostly Cloudy / Windy | 150           |
| 12/09/2025       | 16:00 | 6.4                         | 33               | NNW            | 39              | 0.0 in                 | Cloudy / Windy        | 150           |
| 12/09/2025       | 17:00 | 13.6                        | 36               | NNW            | 46              | 0.0 in                 | Light Rain / Windy    | 150           |
| 12/09/2025       | 18:00 | 8.3                         | 32               | NNW            | 43              | 0.0 in                 | Mostly Cloudy / Windy | 150           |
| 12/09/2025       | 19:00 | 10.6                        | 26               | NNW            | 39              | 0.0 in                 | Cloudy / Windy        | 150           |
| 12/09/2025       | 20:00 | 12.6                        | 31               | NW             | 38              | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 21:00 | 9.1                         | 24               | NNW            | 35              | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 22:00 | 3.5                         | 21               | NW             | 0               | 0.0 in                 | Fair / Windy          | 150           |
| 12/09/2025       | 23:00 | 0.9                         | 20               | NW             | 0               | 0.0 in                 | Fair                  | 150           |
| 24-Hour Averages |       | 18.8                        | 20.3             |                |                 |                        |                       |               |

