

**Draft Minutes**  
**Rapid City Area Air Quality Board**  
**March 12, 2018**

Members Present: Bill Waugh, Clint Beck, Mike Pogany, Ron Weifenbach, Jim Anderson, Michael Magda

Members Absent: Kyle Hibbs, Becky Drury

Others Present: Michelle Tech, Jon Epp, Mark Disanto, Lloyd LaCroix

1. Call to Order

Clint Beck called the meeting to order at 12:03 pm after it was determined that a quorum was present.

2. Approval of December 11, 2017 Minutes

**Ron Weifenbach moved and Bill Waugh seconded the motion to approve the minutes from December 11, 2017. The motion was unanimously approved.**

3. Approval of Meeting Agenda

**A motion was made by Ron Weifenbach and Mike Pogany seconded the motion to approve the agenda. The motion was unanimously approved.**

4. Reports from the Department of Environmental and Natural Resources, Staff and Committee

Jon Epp reviewed the March 12, 2018 Rapid City Area Air Monitoring Report from DENR.

a. High Wind Dust Alerts

There were 13 High Wind Dust Alerts called in 2017, and one so far in 2018. The concentrations on all alert days were all below the PM10 standard.

b. Air Monitoring Report for PM10 and PM2.5

The highest 24-hour PM10 concentration recorded in 2017 was 158.8 ug/m<sup>3</sup> on 9/14/2017, which was most likely due to substantial long range smoke transport from wildfires in other western states and Canada. This exceedance of the standard does not mean that the area is in violation of the National Ambient Air Quality Standard for PM10. The highest 24-hour PM10 concentration so far in 2018 was recorded on January 4, 2018 with a level of 104.1 ug/m<sup>3</sup>. The day did not exceed the 24-hour PM10 standard.

In order for an area to demonstrate attainment with the 24-hour National Ambient Air Quality Standard for PM10, the expected number of days with a 24-hour average concentration above 150 ug/m<sup>3</sup> must be equal to or less than 1.0, which the Credit Union Site has shown in the 3-year average. Although the Credit Union Site is demonstrating compliance, it is critical that every precaution is taken to ensure the PM10 monitor is continuously operating and PM10 concentrations are below the standard in 2018.

A comparison of the past ten years of annual averages for PM10 shows a gradual decline over the last 5 years. The annual average concentration for 2017 is slightly lower than 2016.

There were five exceedances of the 24-hour sample concentrations of PM2.5, but that does not mean that the area is in violation of the standard for PM2.5 in 2017. One exceedance occurred on January 12, 2017 due to poor dispersion of the local pollutants, with the remaining four occurring in September as a result of wildfire smoke transported into the area from fires burning in other western states and Canada. One 24-hour sample concentration for PM2.5 exceeded the standard on February 23, 2018 at 38.7 ug/m<sup>3</sup> due to slashpile burning in the Black Hills coinciding with inversion conditions, resulting in poor dispersion of local pollutants. DENR is currently working on ways to minimize the impact of smoke during slashpile burning. The highest 24-hour PM2.5 concentration level in 2017 was recorded on 9/3/2017 at 57.0 ug/m<sup>3</sup>.

In order for the area to demonstrate compliance with the 24-hour National Ambient Air Quality Standards for PM2.5, the 24-hour average of 35 micrograms per cubic meter cannot exceed the 98<sup>th</sup> percentile concentration averaged over three years. The three year average of the 98<sup>th</sup> percentile values for each year is 23.3 micrograms per cubic meter, which demonstrates attainment of the PM2.5 standard. The annual average for 2017 shows a slight increase over 2016.

c. EPA and State Activities

The Natural Events Action Plan for Rapid City is still in review at DENR to determine if any changes are necessary. The department will provide an overview of the findings and possible changes to the plan to the Rapid City Area Air Quality Board, local industry, and the public before any changes are finalized.

Michelle Tech summarized the four staff reports. There are 59 active permits at the time of reporting and 7 new permits issued since last meeting with \$750 in fees collected. Tech performed 50 inspections of the permitted sites since the last meeting.

5. Old Business

Warrant of appointment certificates were presented to Jim Anderson and Mike Magda.

6. New Business:

- a. **Michael Magda was nominated by Ron Weifenbach and seconded by Bill Waugh to serve as the new Chair-Elect, and the motion was unanimously approved.**
- b. **Ron Weifenbach motioned to approve the 3 Compliance Plan permit applications for TrueNorth Steel, DMI, and Butler Machinery, Bill Waugh seconded, and the board unanimously approved.**

7. Items from Board Members

None.

8. Items from the Floor

No items from the floor.

Adjournment

**There being no further business, Mike Pogany moved, Bill Waugh seconded and the board unanimously approved that Clint Beck adjourn the meeting at 12:29 pm.**