

Draft Minutes
Rapid City Area Air Quality Board
March 11, 2019

Members Present: Kyle Hibbs, Mike Magda, Clint Beck, Jim Anderson

Members Absent: Ron Weifenbach, Bill Waugh, Mike Pogany

Others Present: Brad Solon, Jon Epp, Mark Disanto

1. Call to Order

Mike Magda called the meeting to order at 12:00 pm after it was determined that a quorum was present.

2. Approval of December 10, 2018 Minutes

Clint Beck moved and Mike Magda seconded the motion to approve the minutes from December 10, 2018. The motion was unanimously approved.

3. Approval of Meeting Agenda

A motion was made by Mike Magda and Jim Anderson 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 11, 2018 Rapid City Area Air Monitoring Report from DENR.

a. High Wind Dust Alerts

There were four High Wind Dust Alerts called in 2018, and one this year on January 7, 2019. The concentrations have been below the PM10 standard for 2018 and so far this calendar year on the alert days.

b. Air Monitoring Report for PM10 and PM2.5

The highest 24-hour PM10 concentration recorded in 2018 was 128.2 ug/m³ on August 13, 2018, which was below the standard of 150 micrograms per cubic meter. Rapid City was experiencing significant impacts from wildfire smoke transported into the area from fires in the western United States and Canada at the time. Two 24-hour sample concentrations for PM-10 were greater than the 24-hour standard, with 171.4 micrograms per cubic meter on January 29, 2019 and 171.4 micrograms per cubic meter on February 14, 2019, both days that were not high wind dust alert days due to precipitation received the previous five days, but sustained winds and wind gusts were high as the precipitation at the time was light snow. Although the Credit Union Site is demonstrating compliance, with these two exceedances it is critical that every precaution be taken to ensure the PM-10 monitor is continuously operating and the PM-10 concentrations are below the standard the remainder of 2019.

There were two exceedances of the 24-hour sample concentrations of PM2.5 in 2018, the first occurring on February 23, 2018 due to slash-pile burning in the Black Hills coinciding with

inversion conditions, resulting in poor dispersion of the local pollutants. The other exceedance occurred on August 19, 2018 as a result of wildfire smoke transported into the area from fires in the western United States and Canada. One PM2.5 concentration in 2019 exceeded the standard on February 8, 2019 due to slash-pile burning in the Black Hills coinciding with inversion conditions resulting in poor dispersion of the local pollutants. DENR is currently working on ways to minimize the impact of smoke during slash-pile burning. The highest 24-hour PM2.5 concentration level in 2018 was recorded on August 19, 2018 at 42.6 ug/m³ and in 2019 was recorded as 42.0 micrograms per cubic meter on February 8, 2019. The Rapid City area is still attaining the 24-hour National Ambient Air Quality Standard for PM2.5.

c. EPA and State Activities

DENR continues to review the Natural Events Action Plan for Rapid City 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 Air Quality Board, local industry, and the public before any changes are finalized. DENR is in the process of reissuing the Rapid City General Permit for Continuous Activities and the Rapid City General Permit for Construction Activities.

Michelle Tech summarized the four staff reports. There are 41 active permits at the time of reporting and 4 new permits issued since last meeting with \$500 in fees collected. Tech performed 36 inspections of the permitted sites since the last meeting. No complaints were fielded during that time period within the Air Quality Zone.

5. Old Business

None

6. New Business:

- a. Staff recommended approval of the Pennington County Compliance Plan Renewal Application. **Kyle Hibbs so moved and Mark Disanto seconded.** Chair Mike Magda signed the application.

7. Items from Board Members

None.

8. Items from the Floor

No items from the floor.

Adjournment

There being no further business, Mark Disanto moved, Kyle Hibbs seconded and the board unanimously approved that the meeting be adjourned at 12:23 pm.