

From: Maung Maung
To: Burton, Priscilla; Jensen, Gisela
Date: 12/10/2003 10:13:31 AM
Subject: Re: meeting summary

I propose following mitigations measures to minimize fugitive emissions due to wind erosions to be included in the dust control plan. Please review and comment. I do not think we will find an opacity method for fugitive dust from storage piles or unpaved roads due to wind.

Emission points to be addressed in the Fugitive Dust Control Plan:

Unpaved roads and operational areas

Storage piles

Mitigations techniques

All unpaved roads and other unpaved operational areas that are used by mobile equipment shall be water sprayed and/or chemically treated to minimize fugitive dust throughout the year. Treatment shall be of sufficient frequency and quantity to maintain the surface material in a damp/moist condition. Supplemental stabilization to include other dust causing activities shall be by water sprays or other methods on an as-needed basis or as determined necessary by the Executive Secretary. If chemical treatment other than magnesium chloride is to be used, the plan must be approved by the Executive Secretary. Between February 15 and November 15 of each calendar year, permittee shall inspect said areas at least once every two weeks. The frequency shall be increased to daily at least 48 hours prior to each wind event that is forecasted. A wind event is defined as: wind gusts exceeding 25 miles per hour for more than one hour, as measured by the permittee's station on the premise. Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and time of the day treatments were made. In addition, records of days of freezing temperature shall be kept on file.

Storage piles shall be water sprayed to keep sufficiently moist at all time to minimize potential for fugitive dust emissions from wind erosion. Treatment shall be of sufficient frequency and quantity to maintain the surface material in a damp/moist condition. Supplemental stabilization to include other dust causing activities shall be by water sprays or other methods on an as-needed basis or as determined necessary by the Executive Secretary. Between February 15 and November 15 of each calendar year, permittee shall inspect the areas at least once every two weeks. The frequency shall be increased to daily at least 48 hours prior to each wind event that is forecasted. A wind event is defined as: wind gusts exceeding 25 miles per hour for more than one hour as measured by the permittee's station on the premise. Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and time of the day treatments were made. In addition, records of days of freezing temperature shall be kept on file.

>>> Priscilla Burton 12/9/2003 3:22:18 PM >>>

Hello Gisela,

Our computer support person was able to quickly create a chart from the wind speed information that came to us with the dust control plan. The chart shows that the winds are mostly between 0 - 5 mph with the highest winds reported being 25 mph. (Excel spreadsheet and chart are attached).

This has significance for the trigger of the water cannons. The Permittee indicated that the water cannons would come on when 35 mph winds were sustained for 15 min or more. Based on the measured wind activity, what would you recommend as a wind speed for triggering the water cannons?

Priscilla.

>>> Gisela Jensen Tuesday, December 09, 2003 7:53:22 AM >>>

It was a pleasure meeting with you especially since you are doing such great work to keep coal mine dust in check. Makes our life here a lot easier. Thanks again, Gisela

>>> Priscilla Burton 12/5/2003 4:08:39 PM >>>

Hello Gisela,

Thank you for your time yesterday. Your input was very valuable.

I have attached a summary of the meeting. Please let me know if I have written something inaccurately and I will revise the notes.

You will all be interested to note that Bob O'Brien contacted me today and let me know that there are mini-RAM's out there for rent that record TSP's rather than PM10's, so perhaps there is no necessity to correlate PM10's to TSP.

Thanks again,

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