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west virginia department of environmental protection

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Division of Air Quality  
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Earl Ray Tomblin, Governor  
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**MEMORANDUM**

**To:** File  
**From:** William T. Rothwell II  
**Date:** March 20, 2015  
**Subject:** Cranberry Pipeline Corporation - Cabot 50 Well Pad - Putnam County, WV  
**ID #:** 079-00186  
**APP #:** PD15-022

**BACKGROUND INFORMATION:**

Cranberry Pipeline Corporation has submitted a permit determination for a natural gas production site in Putnam County, WV.

**WELL PAD INFORMATION:**

The above subject well site includes one well, and one 250 barrel produced water storage tanks along with a produced water truck loading. There are no flares, compressor engines, condensate tanks or condensate truck loading associated with this facility and source aggregation to determine major source and PSD is not applicable to this site due to the fact that the subject well pad is not considered to be on contiguous or adjacent to other Cranberry Pipeline Corp. properties in the area.

The applicant is not subject to 45CSR6, 45CSR10, 45CSR13, 40CFR63 Subpart ZZZZ, 40CFR60 Subpart JJJJ, 40CFR60 Subpart OOOO, 40CFR60 Subpart Kb, 45CSR14, 45CSR19, or 45CSR30.

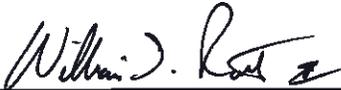
The uncontrolled emissions were calculated by the applicant and were reviewed by the writer for accuracy. The emissions from the produced water emissions (water flash, working and breathing emissions), and produced water truck loading combined are as follows:

<u>Pollutant</u>	<u>LB/HR</u>	<u>TPY</u>
PM <sub>10</sub>	0.02	0.07
VOCs	3.19	13.97
CO	0.17	0.73
NO <sub>x</sub>	0.20	0.86
SO <sub>2</sub>	0.01	0.01
HAPs	0.01	0.02

Promoting a healthy environment.

**RECOMMENDATION:**

The emission rates of regulated pollutants are below the emission limits of six (6) lb/hr and ten (10) TPY; 144 pounds per calendar day; 2 lb/hr or 5 TPY of HAPs set forth set forth in 45CSR13. The well site will not trigger a substantive requirement of any State or Federal air quality regulation. Therefore, a permit is not required by this Division for the operation of the above mentioned gas well site.

  
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William T. Rothwell II, P.E.  
Engineer

  
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Date