



west virginia department of environmental protection

Division of Air Quality
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Earl Ray Tomblin, Governor
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MEMORANDUM

To: Beverly McKeone
From: William T. Rothwell II
Date: January 23, 2015
Subject: CONE Midstream Partners, LP – Moundsville Slug Catcher Site – Marshall County, WV
ID #: 051-00212
APP #: PD15-010

BACKGROUND INFORMATION:

CONE Midstream Partners, LP is requesting a permit determination (PDF) for the addition of a Slug Catcher Site (liquids collection and separation facility) along an existing natural gas pipeline. Natural gas, condensate, and produced water will be separated using a 3-phase separator and a surge drum. Natural gas and condensate will flow into separate pipelines leaving the site and the produced water will be stored in four (4) 400 bbl tanks to be loaded in tank trucks. One vapor recovery unit (VRU), utilizing a 145 hp Caterpillar G3306TA LCR engine, and one VRU utilizing an 84 hp Cummins G 5.9 engine will also be used at the site.

Upon submission of the PDF, the application included controlled emissions. The uncontrolled NO_x and CO emissions alone for the two VRU engines would exceed the emissions criteria being greater than 6 pounds per hour and 10 tons per year as stated in 45CSR13 2.2.4.b, 45CSR13 2.2.4.c, and 45CSR13 2.2.4.d.

RECOMMENDATION:

The emission rates are above the emission limits of six (6) lb/hr and ten (10) TPY; 2 lb/hr, or 5 TPY of HAPs set forth set forth in 45CSR13 - 2.17.a&b. Therefore, a permit is required by this Division for the above mentioned Slug Catcher Site.

William T. Rothwell II, P.E.
Engineer

1-23-2015

Date