



west virginia department of environmental protection

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 11, 2015
Subject: Dominion Transmission, Inc. – GP Compressor Station (Steve Hall) – Lewis County, WV
ID #: 041-00071
APP #: PD15-016

BACKGROUND INFORMATION:

Dominion Transmission, Inc. is proposing the addition of a natural gas fired compressor engine at the above subject compressor station. The engine will be a GM Model # 4.3L 6cy – 190 BHP @ 1,800 RPM 4SRB engine that was manufactured in or before 2007.

The engine is a new source (constructed after June 12, 2006), located at an area source of HAPs, and is therefore subject to 40CFR63, Subpart ZZZZ (NESHAP). Due to the year of construction of the engine, it is not subject to a substantive requirement of that Federal Rule (e.g. no performance tests) but it must comply with 40CFR60 Subpart JJJJ (NSPS) if applicable.

Since the engine is ≤ 500 HP and was manufactured prior to July 1, 2008, it is not subject to any substantive requirements in 40CFR60 Subpart JJJJ (NSPS).

The potential emissions for the engine are as follows:

| <u>Pollutant</u> | <u>LB/HR</u> | <u>TPY</u> |
|------------------|--------------|------------|
| PM | 0.01 | 0.01 |
| VOCs | 0.17 | 0.76 |
| CO | 01.80 | 7.88 |
| NOx | 1.10 | 4.81 |
| HAPs | 0.05 | 0.22 |

RECOMMENDATION:

The emission rates are below 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 not required by this Division for the installation and operation of the above mentioned compressor engine.

William T. Rothwell II, P.E.
Engineer

3/11/2015

Date