



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:** February 10, 2015  
**Subject:** Dominion Transmission, Inc. – GP Compressor Station, Milestone – Lewis County, WV  
**ID #:** 041-00070  
**APP #:** PD15-012

**BACKGROUND INFORMATION:**

Dominion Transmission, Inc. is proposing the addition of a natural gas compressor engine at their existing station. The additional engine will be a Continental TM27-4cyl – 72 BHP @ 1,800 RPM 4SRB engine that was manufactured in March of 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 subject to a substantive requirement of that Federal Rule in which it must comply with 40CFR60 Subpart JJJJ (NSPS) if applicable.

Since the engine is  $\leq$  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	0.07	0.29
CO	0.68	2.99
NO <sub>x</sub>	0.42	1.82
HAPs	0.02	0.08

**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

Date