



west virginia department of environmental protection

Division of Air Quality  
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Jim Justice, Governor  
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**MEMORANDUM**

**To:** File  
**From:** William T. Rothwell II  
**Date:** November 28, 2017  
**Subject:** Dominion Energy Transmission, Inc. – HG Well #6501 – Lewis County, WV  
**ID #:** 041-00085  
**APP #:** PD17-087

**BACKGROUND INFORMATION:**

Dominion Energy Transmission, Inc. is proposing the addition of a EPA certified natural gas pumpjack engine to remove fluid from the above subject gas well. The engine will be a Kohler CH740 – 20.5 BHP @ 1,800 RPM 4SRB engine that was manufactured in 2017.

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 EPA certified engine is  $\leq 500$  HP and was manufactured after July 1, 2008, although subject to JJJJ, it is not subject to a substantive requirement in 40CFR60 Subpart JJJJ.

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	0.02	0.10
CO	0.06	0.27
NOx	0.79	3.45
HAPs	0.01	0.06

**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 pumpjack engine.

William T. Rothwell II, P.E.  
Engineer

11/28/2017

Date