



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:** December 3, 2015  
**Subject:** Dominion Transmission, Inc. – Newberne Microwave Tower – Gilmer County, WV  
**ID #:** 021-00029  
**APP #:** PD15-094

**BACKGROUND INFORMATION:**

Dominion Transmission Inc. is proposing to install a natural gas-fired auxiliary generator set at their above subject facility. The EPA Certified Cummins Model C20 N6 generator set utilizes a 40 hp engine that was manufactured in 2013.

The engine is considered a new engine (constructed after June 12, 2006), located at an area source of HAPs, and is therefore subject to 40CFR63, Subpart ZZZZ (NESHAP). Due to the size of the engine, it is not subject to a substantive requirement of that Federal Rule, but it must comply with 40CFR60 Subpart JJJJ (NSPS) if applicable.

The EPA Certified engine was manufactured after January 1, 2009. Since the engine is certified, it will not be subject to a substantive requirement 40CFR60 Subpart JJJJ.

The potential emissions for the engine are as follows:

<u>Pollutant</u>	<u>LB/HR</u>	<u>TPY</u>
VOCs	0.01	0.05
CO	2.15	9.41
NO <sub>x</sub>	0.50	2.20
HAP <sub>(Aggregate)</sub>	0.03	0.12

**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 auxiliary generator.

William T. Rothwell II, P.E.  
Engineer

12/3/2015

Date