



west virginia department of environmental protection

Division of Air Quality  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
Phone: 304 926 0475 • Fax: 304 926 0479

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

MEMORANDUM

**To:** File  
**From:** William T. Rothwell II  
**Date:** May 17, 2016  
**Subject:** Dominion Transmission, Inc. – Bridgeport Station – Harrison County, WV  
**ID #:** 033-00100  
**APP #:** PD16-028

**BACKGROUND INFORMATION:**

Dominion Transmission, Inc. is proposing the removal of two (2) Capstone C-65 microturbines (AUX02 & AUX03) and the addition of a EPA certified natural gas emergency auxiliary generator at the above subject station. The generator's engine will be a Power International Solutions PSI 8.8 that was manufactured in 2015.

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 net potential emissions for the facility are as follows:

<u>Pollutant</u>	<u>LB/HR</u>	<u>TPY</u>
PM	+ 0.01	+ 0.04
PM10	0.00	- 0.01
VOCs	+ 0.01	+ 0.03
CO	+ 0.00	+ 0.02
NOx	- 0.05	- 0.23
SO2	0.00	- 0.02
HAPs	+ 0.15	+ 0.64

**RECOMMENDATION:**

Although 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, there is a net increase in emissions. This Division recommends that the applicant complete the forms necessary for a Class II Administrative Update of Permit R13-1801G in order to incorporate the new addition and removals in the permit.

William T. Rothwell II, P.E.  
Engineer

05/17/2016

Date