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west virginia department of environmental protection

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Earl Ray Tomblin, Governor  
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**MEMORANDUM**

**To:** File  
**From:** William T. Rothwell II  
**Date:** September 10, 2015  
**Subject:** Enervest Operating – Ethel Compressor Station – Logan County, WV  
**ID #:** 045-00148  
**APP #:** PD15-071

**BACKGROUND INFORMATION:**

Enervest Operating is proposing to install a EPA Certified 52HP Zenith ZPP428 natural gas-fired compressor engine that was manufactured on 6/2015.

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 engine is EPA Certified, 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	0.02
VOCs	0.02	0.07
CO	2.07	9.08
NOx	1.23	5.39
HAPs	0.01	0.02

**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