



west virginia department of environmental protection

Division of Air Quality
601 57th 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: Beverly McKeone
From: William T. Rothwell II
Date: September 21, 2016
Subject: Mountain V Oil & Gas, Inc. – Alton Road – Upshur County, WV
ID #: 097-00072
APP #: PD16-046

BACKGROUND INFORMATION:

Mountain V Oil & Gas, Inc. is proposing to install a natural gas-fired pump engine to be used at a disposal well at their above subject facility. The EPA Certified Engine Distributors Model 2.5MSG pump utilizes a 26 hp engine that was manufactured in 2015.

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, 2008. 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	0.03	0.15
CO	0.88	3.85
NO _x	0.03	0.15
HAP _(Aggregate)	0.01	0.05

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 pump engine.

William T. Rothwell II, P.E.
Engineer

9/21/2016

Date