



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: November 30, 2015
Subject: Reserve Oil & Gas, Inc.– Lane Dehy Unit– Kanawha County, WV
ID #: 039-00665
APP #: PD15-090

BACKGROUND INFORMATION:

Reserve Oil & Gas, Inc. is proposing to install a small triethylene glycol (TEG) dehydration unit manufactured by Energy Weldfab. The installed model GDU166T125M comes with a reboiler rated at 125,000 Btu/hr and is designed to process a maximum of 1.0 million cubic feet of gas per day. The installation is not subject to Regulations 2, 10, 13, or Subpart HH. The potential emissions are as follows:

<u>Pollutant</u>	<u>Hourly PTE</u>	<u>Yearly PTE</u>
VOC	1.25	5.48
CO	0.02	0.07
NOx	0.02	0.09
HAPs	0.34	1.51

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 dehydration unit installation.

William T. Rothwell II, P.E.
Engineer

11/30/2015

Date