



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: February 3, 2016
Subject: United States Methanol Corporation – LibertyONE Methanol Plant - Institute – Kanawha County, WV
ID #: 039-00669
APP #: PD16-001

BACKGROUND INFORMATION:

United States Methanol Corporation is proposing relocate an existing methanol plant to West Virginia. The corporation registered with the WV Secretary of State's Office on January 28, 2016. The applicant proposes to obtain the raw materials locally; natural gas from Tennessee Pipeline and Cabot Oil & Gas, electricity from a nearby utility, and water from the Kanawha River. The two potential customers for the methanol are located in Wood and Kanawha Counties. The potential emissions are as follows:

<u>Pollutant</u>	<u>Hourly PTE</u>	<u>Yearly PTE</u>
PM	10.61	46.47
PM ₁₀	10.61	46.47
VOC	0.69	3.00
CO	10.61	46.47
NO _x	17.68	77.44
SO ₂	0.08	0.35
HAPs	1.26	5.48

RECOMMENDATION:

The emission rates are above the emission limits of 2 lb/hr, or 5 TPY of HAPs (Methanol) set forth set forth in 45CSR13 - 2.17.a&b. Therefore, a permit is required by this Division installation and operation of the above mentioned methanol plant.

William T. Rothwell II, P.E.
Engineer

02/03/2016

Date