west virginia department of environmental protection

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Earl Ray Tomblin, Governor
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MEMORANDUM

To: Beverly McKeone
From: William T. Rothwell II
Date: April 7, 2016
Subject: Dominion Transmission, Inc. – Sweeney Station – Lewis County, WV
ID #: 041-00012
APP #: PD16-021

BACKGROUND INFORMATION:

Dominion Transmission, Inc. is proposing to replace their existing Weil-McLain 3.74 MMBtu/hr natural gas-fired boiler with a Cleaver Brooks 3.5 MMBtu/hr natural gas-fired boiler at their existing facility. The applicant currently operates under WVDEP permit R13-2498B & R30-04100012-2012.

The increase in emissions due to the above boiler replacement are as follows:

POLLUTANT	HOURLY PTE	YEARLY PTE
PM	0.03	0.12
PM_{10}	0.01	0.03
VOCs	0.02	0.08
CO	0.29	1.29
NOx	0.35	1.53
HAPs	0.01	0.03

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 an increase in emissions. A Class II Administrative Update of permit R13-2357F is recommended by this Division due to the increase in emissions.

William T. Rothwell II, P.E.
Engineer

04/07/2016
Date