

2016-04-08 Air Application Revised PTE - Fiberight pdf - 10/21



Engineers • Environmental Scientists • Surveyors

See date on bottom 4/8/16

April 8, 2016

SO₂ now reported -
See page 2.

Ms. Lynn Muzzey
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

Re: Fiberight | Revised Potential to Emit Calculations

Dear Ms. Muzzey:

At the request of the Maine Department of Environmental Protection (MDEP) Air Bureau, CES, Inc. (CES) has revised the previously submitted Potential to Emit (PTE) calculations associated with the Fiberight, LLC/Municipal Review Committee (MRC) air emission license application. We have attached a summary of the anticipated facility wide emissions as well as a "source by source" estimate of emissions.

The revised PTE calculations are based on the AP-42 Emissions Factors found in Section 1.6 *Wood Residue Combustion in Boilers*. Fiberight believes these emissions factors to be the most applicable published emission factor to predict emissions from the combustion of post hydrolysis solids (PHS). Fiberight is currently having samples of the PHS from their Lawrenceville, Virginia facility analyzed for concentrations of chemical contaminants and ultimate fuel analysis. The results of these analyses will be used to demonstrate that the unfired PHS material is similar to contaminant concentration and BTU content of biomass. Upon receipt and review of these laboratory analytical results, Fiberight will submit the results to MDEP to validate the selection of biomass emission factors used to calculate the PTE for the facility.

If you have any questions regarding the attached document, please do not hesitate to contact us.

Sincerely,
CES, Inc.

Kyle Sullivan
Senior Project Scientist

KSS/jok
Attachment

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SUBMITTED BY KEITH BOWDEN TO PLANNING BOARD 5/25/16