

**State of Georgia  
Department of Natural Resources  
Environmental Protection Division**

**Permit No.  
2499-075-0028-E-01-0**

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The Permittee shall calculate VOC emissions from the entire facility by using the following emission factor and the equation provided in this condition prior to initial performance tests. If any performance testing required in Conditions 6.3c.i. and 6.4 reveals emission factors higher than the emission factor listed below, the Permittee shall comply with Condition 6.7.

Table 7.11: VOC Emission Factor That Should Be Used Before Any Test Results Are Available

Pollutant	Stack S1 (BIO Outlet)
	DRY1 – DRY4 / DWS1 & DWS2 / DHM1 & DHM2 / PM1 – PM16 / COOL1&2
VOC	0.745 lb / ton wood

The Permittee shall use the monthly records to calculate the facility-wide VOC emissions during each calendar month. The Permittee shall notify the Division in writing if the facility-wide VOC emissions exceed 20.75 tons during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the VOC emission limitation in Condition 2.1.

7.11 The Permittee shall calculate and record the amount of Total PM emissions from the entire facility in each calendar month, using the following equation:  
[391-3-1-.02(6)(b)1.]

$$ER_{PM} = [(EF_{PM/S1} * W_{COOL}) + (EF_{PM/S3} * T_{SST1}) + (EF_{PM/S4} * T_{SST2}) + (EF_{PM/S5} * T_{CYC})] / 2,000$$

Where:

- ER<sub>PM</sub> = Monthly Total PM emission rate from the entire facility, in tons per month.
- EF<sub>PM/S1</sub> = Total PM emission factor for Stack S1, in lbs Total PM/ton wood.
- W<sub>COOL</sub> = Monthly throughput of COOL1 and COOL2, combined, determined and recorded in accordance with Condition 7.6b.
- EF<sub>PM/S3</sub> = Total PM emission factor for Stack S3, in lbs Total PM/hr.
- T<sub>SST1</sub> = Monthly operating hours of SST1, determined and recorded in accordance with Condition 7.7a.
- EF<sub>PM/S4</sub> = Total PM emission factor for Stack S4, in lbs Total PM/hr.
- T<sub>SST2</sub> = Monthly operating hours of SST2, determined and recorded in accordance with Condition 7.7b.
- EF<sub>PM/S5</sub> = Total PM emission factor for Stack S5, , in lbs Total PM/hr.
- T<sub>CYC</sub> = Monthly operating hours of the fuel dust silo, determined and recorded in accordance with Condition 7.7c.
- 2,000 = Conversion Factor to Convert Pound into Ton.