

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

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

Page 30 of 43

Table 7.13: HAP Emission Factor That Should Be Used Before Any Test Results Are Available

Pollutant	Stack S1 (BIO Outlet)	No Stack ID
	DRY1 – DRY4 / DWS1 & DWS2 / DHM1 & DHM2 / PM1 – PM16 / COOL1 & COOL2	SILO1 – SILO8
Acetaldehyde	0.00925 lb / ton wood	0.000485 lb / ton wood
Acrolein	0.00149 lb / ton wood	0 lb / ton wood
Formaldehyde	0.0120 lb / ton wood	0.000485 lb / ton wood
Hydrogen chloride	0.00373 lb / ton wood	0 lb / ton wood
Methanol	0.00941 lb / ton wood	0.000243 lb / ton wood
Phenol	0.00139 lb / ton wood	0 lb / ton wood
Propionaldehyde	0.000455 lb / ton wood	0 lb / ton wood
Other HAPs	0.0152 lb / ton wood	0 lb / ton wood
Combined HAP	0.0529 lb / ton wood	0.000340 lb / ton wood

The Permittee shall use the monthly records to calculate the facility-wide HAP emissions during each calendar month. The Permittee shall notify the Division in writing if the facility-wide single HAP emissions exceed 0.83 ton or combined HAP emissions exceed 2.08 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 emission limitation in Condition 2.2.

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

$$ER_{As} = (EF_{As/S1} * W_{DR})$$

Where:

- ER_{As} = Monthly As emission rate from the entire facility, in pounds per month.
- EF_{As/S1} = As emission factor for Stack S1, in lbs As/ton wood.
- W_{DR} = Monthly throughput of Dryers DRY1 – DRY4, combined, determined and recorded in accordance with Condition 7.6a.

The Permittee shall calculate As 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 6.3f.i. reveals emission factors higher than the emission factor listed below, the Permittee shall comply with Condition 6.7.