

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

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

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- T_{DR} = Total operating hours per month that either DRY5 or DRY6 is in operation (non-cumulative), determined in accordance with Condition 7.17f.
- DRE = RTO control efficiency, in percentage.
- $EF_{HAP/S2}$ = HAP emission factor for Stack S2, in lbs HAP/ton wood.
- W_{COOL} = Monthly throughput of COOL1 – COOL4, combined, determined and recorded in accordance with Condition 7.16b.
- $EF_{HAP/SILO}$ = HAP emission factor for the SILO1 – SILO16, in lbs HAP/ton wood.
- W_{SILO} = Monthly throughput of SILO1 – SILO16, determined and recorded in accordance with Condition 7.16c.
- 2,000 = Conversion Factor to Convert Pound into Ton.

The Permittee shall calculate HAP 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 6.9e.i. through 6.9e.iii., and 6.10 reveals emission factors higher than the emission factor listed below, the Permittee shall comply with Condition 6.13.

Table 7.22: HAP Emission Factor That Should Be Used Before Any Test Results Are Available

Pollutant	Stack S1 (RTO Outlet)		Stack S2 (BIO Outlet)		No Stack ID	
	DRY5 & DRY6		DWS1 & DWS2 / DHM1 – DHM6 / PM1 – PM32 / COOL1 – COOL4		SILO1 – SILO16	
	Factor Name	Factor and Unit	Factor Name	Factor and Unit	Factor Name	Factor and Unit
Acetaldehyde (lb/ton wood)	$EF_{HAP/DR}$	0.110	$EF_{HAP/S2}$	0.000392	$EF_{HAP/SILO}$	0.0000485
	DRE	98%				
Acrolein (lb/ton wood)	$EF_{HAP/DR}$	0.00641	$EF_{HAP/S2}$	0.000856	$EF_{HAP/SILO}$	0
	DRE	98%				
Formaldehyde (lb/ton wood)	$EF_{HAP/DR}$	0.140	$EF_{HAP/S2}$	0.000707	$EF_{HAP/SILO}$	0.0000485
	DRE	98%				
Hydrogen chloride (lb/ton wood)	$EF_{HAP/DR}$	0.012	$EF_{HAP/S2}$	0	$EF_{HAP/SILO}$	0
	DRE	70%				
Methanol (lb/ton wood)	$EF_{HAP/DR}$	0.110	$EF_{HAP/S2}$	0.000537	$EF_{HAP/SILO}$	0.000243
	DRE	98%				
Phenol (lb/ton wood)	$EF_{HAP/DR}$	0.00847	$EF_{HAP/S2}$	0.000624	$EF_{HAP/SILO}$	0
	DRE	98%				
Propionaldehyde	$EF_{HAP/DR}$	0.00206	$EF_{HAP/S2}$	0.000255	$EF_{HAP/SILO}$	0