

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

Permit No. 2499-075-0028-E-01-1

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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 output)	EF _{HAP/DR}	0.110	EF _{HAP/S2}	0.000392	EF _{HAP/SILO}	0.0000485
	DRE	98%				
Acrolein (lb/ton wood output)	EF _{HAP/DR}	0.00641	EF _{HAP/S2}	0.000856	EF _{HAP/SILO}	0
	DRE	98%				
Formaldehyde (lb/ton wood output)	EF _{HAP/DR}	0.140	EF _{HAP/S2}	0.000707	EF _{HAP/SILO}	0.0000485
	DRE	98%				
Hydrogen chloride (lb/ton wood output)	EF _{HAP/DR}	0.012	EF _{HAP/S2}	0	EF _{HAP/SILO}	0
	DRE	70%				
Methanol (lb/ton wood output)	EF _{HAP/DR}	0.110	EF _{HAP/S2}	0.000537	EF _{HAP/SILO}	0.000243
	DRE	98%				
Phenol (lb/ton wood output)	EF _{HAP/DR}	0.00847	EF _{HAP/S2}	0.000624	EF _{HAP/SILO}	0
	DRE	98%				
Propionaldehyde (lb/ton wood output)	EF _{HAP/DR}	0.00206	EF _{HAP/S2}	0.000255	EF _{HAP/SILO}	0
	DRE	98%				
Other HAPs (lb/ton wood output)	EF _{HAP/DR}	0.190	EF _{HAP/S2}	0	EF _{HAP/SILO}	0
	DRE	98%				
Combined HAP (lb/ton wood output)	EF _{HAP/DR}	0.579				
	After-Control*	0.0149	EF _{HAP/S2}	0.00337	EF _{HAP/SILO}	0.000340

* For combined HAP from Stack S1, the term “EF_{HAP/DR} * (1 - DRE)” is equal to 0.0149 lb/ton wood.