

- Condition 7.21 includes the Total PM emission tracking equation. Stacks S1, S2, S4, S5, and S6 are all sources of Total PM emissions. Below shows how the Total PM emission factors are calculated using the application data.

Stack	Emission Unit	PTE (tpy)	Annual Throughput (tpy)	Application E.F.
S1	BUR5 & BUR6 DRY5 & DRY6	108	1,320,000	0.164 lb/ton wood
S2	DWS1 & DWS2	9.57	1,320,000	0.160 lb/ton wood
	DHM1 – DHM6	19.1		
	PM1 – PM32 COOL1 – COOL4	76.6		
S4	SST1			2.91 lbs/hr
S5	SST2			2.91 lbs/hr
S6	Fuel Dust Silo			1.09 lbs/hr

- Condition 7.22 includes the HAP emission tracking equation. All the processes that duct to Stack S1 (burenrs/dryers) and Stack S2 (dry wood silos, dry hammermills, pellet mills, and pellet coolers) are the only point sources of HAP emissions. Please note that fugitive sources of HAP emissions need to be included; therefore, HAP emissions from Finished Pellet Silos SILO1 – SILO16 should be included. Below shows how the HAP emission factors are calculated using the application data. The emission factors shown for Stack S1 are uncontrolled emission factors, with the RTO DRE noted. The RTO DRE does not apply when any 3-hour rolling average RTO combustion zone temperature is below the set point and when RTO is bypassed.

Acetaldehyde Emission Factor				
Stack	Emission Unit	PTE (tpy)	Annual Throughput (tpy)	Application E.F. (lb/ton wood)
S1	BUR5 & BUR6 DRY5 & DRY6			0.11 lb/ton (Unc.) 98% DRE
S2	DWS1 & DWS2	0.0273	1,320,000	0.000392
	DHM1 – DHM6	0.185		
	PM1 – PM32 COOL1 – COOL4	0.0462		
N/A	SILO1 – SILO16	0.0320	1,320,000	0.0000485

Acrolein Emission Factor				
Stack	Emission Unit	PTE (tpy)	Annual Throughput (tpy)	Application E.F. (lb/ton wood)
S1	BUR5 & BUR6 DRY5 & DRY6			0.00641 lb/ton (Unc.) 98% DRE
S2	DWS1 & DWS2	0.123	1,320,000	0.000856
	DHM1 – DHM6	0.0832		
	PM1 – PM32 COOL1 – COOL4	0.359		
N/A	SILO1 – SILO16	0	1,320,000	0