

EMISSION FACTORS WOOD PRODUCTS - PM₁₀/PM_{2.5} FRACTION

AQ-EF03

Type of Control	PM ₁₀ Fraction ¹ of Total Particulate Matter (PM) ²					
	Boilers	Veneer Dryers	Particle Dryers	Press Vents	Cyclones and Process Equipment	
Uncontrolled	50	100	75	85		
Bag filter system					99.5	
Cyclone – high efficiency					95	
Cyclone – medium efficiency					85	
Scrubber – Ceilcote	100	100	100			
Wet scrubber – high efficiency	99	99	99			
Wet scrubber – medium efficiency	95	95	95			
Wet scrubber – low pressure	90	90	90			
ESP – both wet and dry	99.5	99.5	99.5			
Multiclone – high pressure	95		95			
Multiclone – low pressure	50		50			

Type of Control	PM _{2.5} Fraction ³ of Total Particulate Matter (PM) ⁴					
	Boilers	Veneer Dryers	Particle Dryers	Press Vents	Cyclones and Process Equipment	
Uncontrolled		100	75	85		
Bag filter system	99				99	
Cyclone – high efficiency					80	
Cyclone – medium efficiency					50	
Scrubber – Venturi	90	90	90			
Wet scrubber – high efficiency	90	90	90			
Wet scrubber – medium efficiency	25	25	25			
Wet scrubber – low efficiency	20	20	20			
ESP – both wet and dry	95	95	95			
Multiclone – high pressure	80		80			
Multiclone – low pressure	50		50			

² These PM₁₀ fractions should be used for guidance only when better information is not available.

¹ PM₁₀ fraction as a percent of total particulate matter for different types of control equipment.

³ PM_{2.5} fraction as a percent of total particulate matter for different types of control equipment. ⁴ These PM_{2.5} fractions should be used for guidance only when better information is not available.