

# Woodworking Waste Calculator

This form, based on a NC DEQ calculator, may be used to calculate particulate emission from the processing of wood and wood products. When using this calculator, individual pieces of equipment may be grouped together as a process line or grouped together based on venting to a common control device. Information can only be entered in the highlighted areas of this form. After completing, save this form for your records and submit a copy to the Director of Engineering Services, Bureau of Air Quality at 2600 Bull Street, Columbia, SC 29201.

SC DHEC does not guarantee the accuracy of the information contained. This form is subject to continuous improvement and updating.

Facility Name:		Date:	
Permit Number:		County:	
City:		Prepared by:	
Emission Unit ID:		Wood Type:	

### Characterization of the "In Duct" Wastewood

These number should add up to 100% and should represent how much of each activity contributes to the total amount of woodwaste generated.

Planing	Shaving/ Chipping	Rough Sawing	Fine Sawing	Milling (& Hog)	Molding	Sanding	Total

### Woodwaste Generated (lb/hr)

If you know how much woodwaste will be generated, use only the first row. If you are unsure, enter "0" into the first row and complete the remaining highlighted fields.

Maximum Woodwaste Generated, if known If not known, complete the calculator below using the maximum wood processed.	
Wood Density (lb/Bd-ft) If using more than one type of wood, select the type with the highest numerical value	
Bd-ft Wood Processed	
Total Percent Waste	
Percent of Waste Vented to Ductwork	
Calculated Woodwaste, lb/hr	

### Criteria Air Pollutant Emissions Information

Air Pollutants Emitted	Potential Emissions				Control Device
	Uncontrolled		Controlled/Limited		
	lb/hr	ton/yr	lb/hr	ton/yr	
Particulate Matter (PM)					
Particulate Matter <10 Microns (PM10)					
Particulate Matter <2.5 Microns (PM2.5)					

## Reference Numbers

From DENR Woodworking Emissions Calculator Revision C July 2007

<b>Percent of Wood Waste that is PM, PM<sub>10</sub>, PM<sub>2.5</sub> based on Process</b>					
Green Wood			Dry Wood (<19%)		
PM	PM <sub>10</sub>	PM <sub>2.5</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Planing					
Shaving/Chipping					
Rough Sawing					
Fine Sawing					
Milling					
Molding					
Sanding					