Woodworking operation means any operation involving the generation of small wood waste particles (shavings, sanderdust, sawdust, etc.) by any kind of mechanical manipulation of wood or wood byproducts. Includes, but is not limited to, sawing, planing, chipping, shaping, moulding, hogging, lathing and sanding and all applicable control devices such as baghouses, cyclones, and portable dust collectors or any internal combustion engines that may be used to power the woodworking equipment. Additionally, it covers any woodworking waste transfer or collection units such as silos, cyclones, trailers, conveyors, etc. Some woodworking facilities also conduct surface finishing. This permit also covers the surface finishing of woods and all applicable finishing materials, control devices such as paint booth filters, cartridges, etc. and dryers, burn-off and curing ovens that may be used during the drying process. Sources that conduct onsite lumber or chip drying prior to machining can not be permitted under this registration permit.
Option 1: Are your PM emissions based on Source Test Data?

Yes

Are the emissions from the source test after a cyclone, baghouse, fabric filter, dust collector, etc.?

Yes

Is the cyclone, baghouse, fabric filter, dust collector, etc. inherent to the process?

Yes

Are the results of the source test reported as an emission rate?

Yes

Are the results of the source test reported as an emission factor?

Yes

Calculate your emissions using the emission factor (EF) and the process throughput.

Emissions = EF x Throughput.

This is your controlled emission rate. Calculate your uncontrolled emissions using the controlled emission rate and the control efficiency.

Uncontrolled = Controlled x (1 - control efficiency)

No

No

Are the results of the source test reported as an emission rate?

Yes

Are the results of the source test reported as an emission factor?

No

Yes

Flowchart 2

Flowchart 2

Are the results of the source test reported as an emission rate?

Yes

Are the results of the source test reported as an emission factor?

Yes

Go To Flowchart 3

No

This is your controlled emission rate. Calculate your uncontrolled emissions using the controlled emission rate and the control efficiency.

Uncontrolled = Controlled x (1 - control efficiency)

Go To Flowchart 3
Flowchart 3

Does your facility conduct Surface Finishing?

Yes

Calculate your emissions using the VOC-PM and HAPs Tabs from the Wood Working Calculator

No

Does your facility have any fuel combustion Sources?

Yes

Calculate your emissions using the Combustion Tab from the Wood Working Calculator

No

Report wood working equipment emissions, as applicable, in the Emissions Information Section of the Application.

-Total PM, PM10, and PM2.5 Emission Rates (TPY) using Flowchart 2.

-Total PM, PM10, and PM2.5 Emission Rates (TPY) using Wood Working Emission Estimator - Wood Waste.

-Total PM, PM10, and PM2.5 Emission Rates (TPY) using Wood Working Emission Estimator - Wood EF.

-Other Calculation Method

Report surface finishing emissions, as applicable, in Emissions Information Section of the Application.

-Total PM, PM10, and PM2.5, and Emission Rates (TPY) using Surface Finishing Emission Estimator, VOC-PM Tab.

-Total amount of surface finishing material used or purchased (gallons) per 12 month period.

-Total VOC Emission Rates (TPY) using Surface Finishing Emission Estimator, VOC-PM Tab.

-Total HAPs Emission Rates (TPY) using Surface Finishing Emission Estimator HAPs Tab.

-Other Calculation Method

Report combustion source emissions, as applicable, in Emissions Information Section of the Application.

-Total PM, PM10, PM2.5, NOx, and VOC Emission Rates (TPY) using Wood Working Combustion Emission Estimator.

-Other Calculation Method