

ENGINEERING ANALYSIS  
MJB Wood, LLC  
Anniston, Calhoun County, Alabama  
Air Permit Nos. 301-0094-X001

On September 11, 2025, the Air Division received an application from MJB Wood, LLC (MJB) for the installation of two sawing processes and a control device for their facility located in Anniston, Calhoun County. MJB is a wood panel manufacturing and distribution facility. The application was considered complete on September 30, 2025. On October 10, 2025, the Air Division received a notification from MJB requesting suspension of the permitting process due to market conditions. On February 3, 2026, the Air Division received a letter from MJB to reinstate the permitting process. MJB is currently a minor source and does not hold any air permits. After this proposed project, MJB would be considered synthetic a minor source under Title V regulations because the facility requested limitations (production limit and a particulate emission limit) to stay below the 100 TPY threshold for Title V. Air Permit No. X001 would be issued for the proposed sawing process equipment.

**Current Operations**

MJB currently operates a wood panel manufacturing and distribution company in Anniston, Alabama. The existing operation consists of several wood sawing, cnc routing, and sanding processes that are controlled by a dust collector inside the facility’s building. These processes are not permitted.

**Proposed Project**

MJB Wood is proposing to install a proposed LeaderMac Ripsaw and Upeut saw controlled by a dust collector that would exhaust to atmosphere. The facility has proposed a particulate (PM) pound per hour limit of 0.66 pounds per hour (lb/hr) and a maximum sawdust production limit of 2,140 tons per 12-month rolling total.

**Emissions**

The pollutants of concern that would be emitted from the proposed sawmill operations would be particulate matter (PM). Emission calculations and the facility-wide emissions summary are listed in the table below.

<b>Facility-wide Emissions (TPY)</b>						
	NOx	CO	PM uncontrolled	PM controlled	VOC	SOx
CNC Router	NA	NA	1.37	0.00	NA	NA
Panel Saw 1*	NA	NA	874.82	0.87	NA	NA
Panel Saw 2*	NA	NA	145.39	0.15	NA	NA
Edgebander 1*	NA	NA	0.19	0.00	NA	NA
Edgebander 2*	NA	NA	0.19	0.00	NA	NA
Homag drill*	NA	NA	4.70	0.00	NA	NA
<b>Upeut Saw</b>	NA	NA	<b>7.54</b>	<b>0.01</b>	NA	NA
<b>Monster Leadermac Ripsaw</b>	NA	NA	<b>1590.33</b>	<b>2.88</b>	NA	NA
<b>TOTALS</b>			<b>2624.53</b>	<b>3.91</b>		

*Bold processes are being added for this permitting action*

\*These processes exhaust to their own dust collection system within a building. Does not exhaust to atmosphere.

### **Federal Regulations**

#### **Prevention of Significant Deterioration (PSD)**

This facility is located in an attainment area for all criteria pollutants, and the facility operations are not one of the listed major source categories. Therefore, the major source threshold of concern is 250 TPY. The facility is a minor source for PSD because the facility-wide potential emissions of each criteria pollutant are less than 250 TPY.

#### **Title V**

This facility would be a major source under Title V regulations because the facility emissions (pre-control) based on the process weight equation are greater than 100 TPY threshold for particulate matter (PM). However, the facility has requested a pound per hour (lb/hr) particulate limit, as well as, a sawdust production limit in order to be a synthetic minor source under Title V regulations. The facility would be a minor source for Hazardous Air Pollutants (HAP) because the potential emission of methanol (3.78 TPY) is less than the 10 TPY major source threshold and the potential emission of combined HAP (4.98 TPY) is less than the 25 TPY major source threshold.

#### **NSPS / MACT**

There are no processes on the facility property that are subject to NSPS or MACT regulations.

### **State Regulations**

The sawing operations are subject to the particulate matter (as TSP) emission limitations of ADEM Admin. Code r. 335-3-4-.04 for Process Industries-General. The allowable emission rate for this process is calculated using one of the following process weight equations:

$$E = 3.59P^{0.62} \quad (P < 30 \text{ tons per hour})$$

**OR**

$$E = 17.31P^{0.16} \quad (P \geq 30 \text{ tons per hour})$$

where E = Emissions in pounds per hour  
P = Process weight per hour in tons per hour

In addition to the above limitation, ADEM Admin. Code r. 335-3-4-.01(1) sets forth a visible emissions standard which states that the facility shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%.

### **Emission Testing and Monitoring**

I recommend that no emission testing be required for the proposed sawing process that exhausts through a dust collector at this time. If emission problems are observed in the future from these emission sources, testing may be required at that time. However, weekly visual emissions of the dust collector exhaust are recommended due to the nature of the processes.

## **Recordkeeping and Reporting**

### *Recordkeeping*

MJB Wood would be required to document weekly visual observations of the dust collector. MJB Wood would be required to calculate monthly and 12-month rolling totals of sawdust production. These records should be maintained onsite in a permanent form readily available for inspection for a period of 5 years from the date of generation of each record.

### *Reporting*

Should the facility, at any time, exceed any limitation, the permittee would be required to notify the Air Division within two (2) working days of determining that the exceedance occurred. The facility would also be required to submit a semiannual report to the Air Division, certifying that all weekly visual observations have been performed and that monthly and 12-month rolling sawdust production records are available for inspection.

## **Air Quality Impact**

The facility is located in Calhoun County, which is an attainment area for all criteria pollutants. It is not located within 100 km of any PSD Class I Area.

## **Public Comment**

This facility is not a Greenfield site, however the project would establish emissions limits to avoid being a major source under Title V; therefore, a public comment period would be required.

## **Recommendations**

Based on the above analysis, I recommend Air Permit No. X001 be issued with the requirements noted above, and pending the resolution of any comments received during the 30-day public comment period.



Corey D. Ohme  
Chemical Branch  
Air Division

March 26, 2026

Date