

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
**ACTIVITY REPORT: On-site Inspection**

N508673158

<b>FACILITY:</b> R J WOODWORKING		<b>SRN / ID:</b> N5086
<b>LOCATION:</b> 3108 WHITEHALL RD, MUSKEGON		<b>DISTRICT:</b> Grand Rapids
<b>CITY:</b> MUSKEGON		<b>COUNTY:</b> MUSKEGON
<b>CONTACT:</b> Paul Carter , Manager		<b>ACTIVITY DATE:</b> 08/01/2024
<b>STAFF:</b> Scott Evans	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> On site inspection FY24		
<b>RESOLVED COMPLAINTS:</b>		

On August 1, 2024, State of Michigan Department of Environment, Great Lakes, and Energy Air Quality Division staff member Scott Evans (SE) conducted an on-site inspection of the RJ Woodworking facility located at 3108 Whitehall Rd. in Muskegon, Michigan, to assess compliance with applicable air quality rules and regulations. RJ Woodworking is a woodworking facility that produces custom woodworking products through use of sanding, routing, cutting, shaping, gluing, and coating of wood products. It currently has no air quality permits to install and operates within the limits of permitting exemptions.

Upon arrival at the facility there were no signs of visible emissions or odors at the facility exterior. After entering the facility, SE was greeted by facility manager Paul Carter (PC). A discussion of the purpose of the visit was held and PC showed SE the operations of the facility.

The facility operates many pieces of woodworking equipment such as sanders, routers, and cutters to form the wood products into custom designs. Multiple baghouses are used with this equipment to control in-plant air quality for comfort. All baghouses vent to the facility interior. Though one baghouse has the dust collection component in the facility exterior, the air is recirculated to vent back to the facility interior. The collection site could be seen to have no excess dust escaping the unit or piled around the baghouse unit. This equipment appears to be exempt from air quality permitting requirements under Rule 285(2)(l)(vi)(B).

The facility does use some glue and coating operations. These operations are only conducted on an as-needed basis depending on what the order being produced calls for. Use of coatings is minimal in these scenarios and coating usage data was provided by the facility upon request.

From February 1, 2024, to July 31, 2024, approximately 102 gallons of adhesive was used at the facility in a membrane, vacuum press operation. This results in approximately 0.8 – 0.9 gallons of adhesive being used at the facility per day assuming operation of five days per week. All emissions are released only to the in-plant environment. These parameters are well within the requirements of air permitting exemption Rule 287(2)(a).

Records of finish coating usage were also provided by the facility. From February 1, 2024, to July 31, 2024, a total of approximately 17.5 gallons of all coatings combined were used at the facility. All coating operations are operated in the in-plant environment without any external exhaust systems. This appears to be well within the requirements of air permitting exemption rule 287(2)(c).

At the conclusion of the inspection, the facility appeared to be compliant with all applicable air quality rules and regulations. Though the facility was provided resources regarding air

permitting rules and exemptions at the close of the inspection, at this time, it does not appear necessary for the facility to pursue air permitting.

NAME Scott EvansDATE 8/20/2024SUPERVISOR HH