

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

B872169097

FACILITY: KADANT JOHNSON INC		SRN / ID: B8721
LOCATION: 805 WOOD ST, THREE RIVERS		DISTRICT: Kalamazoo
CITY: THREE RIVERS		COUNTY: SAINT JOSEPH
CONTACT: Michael DiFranco , Facilities and EHS Manager		ACTIVITY DATE: 09/20/2023
STAFF: Chance Collins	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Inspection		
RESOLVED COMPLAINTS:		

On September 20, 2023, AQD staff traveled to St. Joseph County to perform an inspection of KADANT Johnson INC (SRN: B8721). The inspection was to determine the facility's compliance with Permit to Install Number 413-81 and 414-81 and applicable state and federal air pollution control regulations.

AQD staff arrived on site at 11:00 a.m. to sunny conditions with a temperature of 70°F with a S wind of 9 mph. There were no noticeable odors upon arrival.

AQD staff met with Michael DiFranco (Facilities and Environmental Health and Safety Manager), who walked staff around the facility and answered all questions.

The facility makes joint parts for conductive heat transfer and movement of air, water, and oil in machinery for the rollers used in the paper industry. The facility has a main building for all processes and a separate R&D building across the street.

The following discusses the findings of the inspection and review of records:

The main facility has 2 welding machines (MIG and TIG). The normal operation is one welder operating about 40 hours per week. This appears to be exempt per rule 285 (i). The machines for cutting and grinding vent to collectors and are located in the room. There are reclaimers for these that capture the oil mist and sends it back for re-use. These appear to be exempt per Rule 285(l)(vi).

The main facility has several parts washers that use mineral spirits and are serviced by Safety Kleen. The lids were closed at time of inspection.

The main plant has 3 boilers. All are gas-fired. Two of the boilers are for building heat (Johnston 3450 #/hr steam) that were installed in 1962 and 1955 and are grandfathered. The third boiler is for process steam (Bryan 1.20 MMBtu/hr) which was installed in 1989 and appears to be exempt per Rule 282(b).

Permit to Install No. 413-81 and 414-81 are for 2 separate paint booths. Both permits have the same conditions (one for each paint booth). The filters were in place and were well maintained. They are replaced every 3-6 months (depending on usage). A Delta HVLP gun is used. The facility paints on average about 1 hour per day and never more than 2 hours per day. The coating is a solvent based topcoat and only one color is used. Xylene is used to clean the gun.

The paint used is a PPG paint (SDS attached) out of Battle Creek. Purchase records for both booths (attached) show that facility ordered 50 gallons on 6/14/23 (comes in 5-gallon buckets). Since October 2022, 150 gallons have been ordered. If the facility used 150 gallons of paint in 2023, there would be 0.56 tons of VOC. This is well

below the permitted limit of 3.2 tons per year. The permit does not require any records to be kept.

In the separate R&D building across the street there are three small gas-fired boilers. These appear to be exempt per Rule 282(b).

At the time of inspection, the facility appears to be in compliance.

NAME 

DATE 9/21/23

SUPERVISOR 