

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

A239441399

FACILITY: Klise Manufacturing Company		SRN / ID: A2394
LOCATION: 601 Maryland Avenue NE, GRAND RAPIDS		DISTRICT: Grand Rapids
CITY: GRAND RAPIDS		COUNTY: KENT
CONTACT: Chris Bailey , Engineering Manager		ACTIVITY DATE: 09/07/2017
STAFF: David Morgan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

At 11:00 A.M. on September 7, 2017, Air Quality Division staff Dave Morgan conducted an unannounced inspection of Klise Manufacturing Company located at 601 Maryland Ave NE in Grand Rapids. The purpose of the inspection was to determine the facility's compliance with state and federal air pollution regulations as well as Permit to Install (PTI) No. 255-82. Accompanying AQD staff on the inspection was Chris Bailey, Engineering Manager.

FACILITY DESCRIPTION

Klise Manufacturing Company manufacturers decorative wood mouldings and trim for the furniture and architectural industry. The company has various woodworking machines with an associated baghouse. The company also has a wood fired boiler permitted under PTI No. 255-82. The facility commenced operations in 1964, and much of the equipment on site appears to be exempt from permitting requirements. The facility only operates one shift and is down to 9 shop employees.

COMPLIANCE EVALUATION

Woodworking Stations with Baghouse Control:

The company has many wood working stations used for cutting, sanding and routing. Some stations are ducted to a fabric bagfilter vented into the plant, however the majority of woodworking stations are vented to an external baghouse that exhausts either inside or outside of the plant depending on the season. The woodworking stations and baghouse are exempt from permitting under Rule 285(2)(l)(vi). It is noted that the original cyclone collector on the exempt woodworking operations was replaced by a baghouse in 1997. The baghouse replacement was deemed exempt at that time.

During the inspection the baghouse was shutdown. According to Mr. Bailey, the main woodworking operations and baghouse are used primarily from 7:00 A.M. to 11:00 AM. No visible emissions were observed from the process. In addition, Mr. Bailey indicated that preventative maintenance on the baghouse is conducted annually. The housekeeping around the baghouse and sawdust collection bins was good.

Collected sawdust is used as fuel in steam-generating boilers or is sold to an off-site recycler. It is noted that collection of sawdust for the boiler begins around October, it is stored in a silo and is used throughout the winter. Mr. Bailey said that the silo is emptied out in April because the sawdust is not used during the summer and the company can not store it due to caking and equipment problems.

Boilers:

The facility has two natural gas/wood-fired boilers (Boiler East and Boiler West), each installed in 1964, but permitted under PTI No. 255-82. Each boiler has a rated capacity of 7.2 MMBtu/hour. It is noted that Boiler West has been plated off and decommissioned and is therefore not operational. Boiler East was not operating at the time of the inspection. The boilers are used to provide humidity control and hot-water space heating. The operations appeared to be compliant with the Special Conditions of PTI No. 255-82, which limit emissions, opacity, stack dimensions and restrict fuel usage to natural gas and wood chips/sawdust.

It appears that the boilers are subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers at Area Sources under 40 CFR Part 63, Subpart JJJJJJ. However it is noted at this time that AQD has not sought delegated authority from U.S.EPA to implement and enforce this rule. Regardless, the company should ensure compliance with the applicable rule.

Drying Kilns:

There are two drying kilns on site that were originally installed in 1964 and therefore "grandfathered". According to Mr. Bailey these units have not been used in at least ten years. Currently they are being used as storage which was confirmed by AQD staff. It is noted that these kilns were also noted in the permit engineer evaluation form for PTI No. 255-82, but no specific requirements added.

Adhesive Operations:

The company has one spray booth on site that was used to spray water-based adhesives, however, this booth is no longer used..

EVALUATION SUMMARY

Klise Manufacturing appears to be in compliance with the applicable requirements evaluated.

NAME



DATE

9/13/17

SUPERVISOR

