

N6998
MAVILA

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

N699845956

FACILITY: The Oakwood Group		SRN / ID: N6998
LOCATION: 9755 INKSTER, TAYLOR		DISTRICT: Detroit
CITY: TAYLOR		COUNTY: WAYNE
CONTACT: Mike Wimberly , Corporate Facilities Manager		ACTIVITY DATE: 03/06/2018
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : March 1, 2018
 TIME OF INSPECTION : 10:15 am
 PERSONNEL PRESENT : Mike Wimberly, Corporate Facilities Manager
 FACILITY PHONE NUMBER : 734-947-7700
 FACILITY FAX NUMBER : 734-947-4003

FACILITY BACKGROUND

Currently, the Oakwood Group houses the equipment for multiple production lines including Oakwood Expanding (OEC), a metal expansion operation, Oakwood Energy Management (OEM), a thermal plastic press operation, Oakwood Custom Coating (OCC), a powder coat line, and Oakwood Metal Fabrication (OMF), a metal stamping line at this location. OEM has been at this location since 2001 and OMF moved to this location in approximately 2006, and OCC moved to this location approximately 3 weeks earlier. Oakwood Plastics Division is no longer operating; all the plastic mold injection machines and liquid paint lines have been removed from the facility. The facility is currently operating one and a half shift per week, four or five days per week. The facility produces parts for the truck and SUV automotive market, including speaker grills.

COMPLAINT/COMPLIANCE HISTORY

No complainants have been received regarding this facility. No Violation Notices (VN) have been issued since the last inspection.

PROCESS EQUIPMENT AND CONTROLS

On the OEC side of the facility, coils of metal are expanded, forming the shapes that will be used in automotive speaker grills. After the coils are shaped with the speaker holes, the metal is cut into the desired shape. Some of the grills are moved to the powder coating line.

On the OEM side of the facility, plastic inserts are made. These inserts are used to absorb shock during an auto accident. A roll of sheet plastic is put on the front of the press. The roll is heated, and the vacuum fed into the press. Finally, perforations are added around the part for easy removal. The scrap plastic is collected and sent back to the supplier to be melted down and reformed into a plastic roll. The facility has four thermal presses. No emissions are associated with this equipment, and the machines are open to the general plant air. These machines were operating during the onsite inspection.

On the OCC side of the facility, metal parts are powder coated. This process recently was relocated from the Delta Road facility. Except for the IR oven, all the equipment was purchased used by the facility as part of the relocation. The metal parts are loaded on to the rack conveyor system. The parts travel into a cyclone, where the powder is applied. The fine particles are collected through the top of the cyclone and are collected in a dust collector

located outside of the facility. The coated parts then pass through a cure oven where the powder is baked onto the part. This process was experiencing a color change during the inspection, so no parts were being coated. The area surrounding the line was clean of powder.

On the OMF side, eighteen metal stampings are produced and are used mostly in the automotive industry. Steel is purchased in rolls and expanded in one of seven metal expanding machines. There are no emissions associated with this equipment, and the machines are open to the general plant air. These machines were operating during the onsite inspection.

INSPECTION NARRATIVE

I arrived at the facility at 10:15am on March 1, 2018 and met with Mr. Mike Wimberly. Together we walked through the process and discussed the activity at this facility.

The first process that was inspected was the OEC line. These machines were operating during the inspection. This equipment is exempt from permitting by Rule 285 (l)(i). No emissions are anticipated from this equipment, and no control equipment is associated with this process.

Next, we inspected the powder coat line. This line was not operating during the inspection. The IR oven and the cure oven both operate on natural gas. The part pass through a five-stage wash process which includes an alkaline wash, a rinse, a solvent or phosphate wash which helps the powder stick better, an additional rinse, and finally an organic sealant. Proper water permits have been obtained for the discharge of these rinses. The facility is considering installing an additional powder coat line in the future.

The eighteen metal stamping units appear to be exempt from permitting based on Rule 285 (l)(i). No emissions are anticipated from this equipment. No control equipment is located at this facility. These machines were operating during the inspection. The facility was also operating 4 CNC machines. These machines have a lubricant, which evaporates into the general plant air. No control equipment is associated with these machines.

APPLICABLE RULES/PERMIT CONDITIONS

All the metal processing lines are exempt from permitted by Rule 285 (l)(i). The powder coating line and all the associated cure ovens are exempt from permitting by Rule 287 (d).

The facility was issued a State of Michigan operating permit, 93-02, on June 7, 2002 for the installation of the mobile paint lines and a liquid coating line, which was never installed. This permit was voided on February 23, 2009.

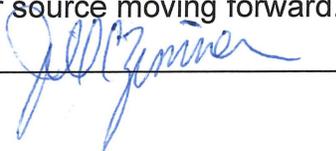
MAERS REPORT REVIEW

NA.

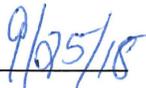
FINAL COMPLIANCE DETERMINATION

The Oakwood Group is currently in compliance with all state and federal regulations. The facility does not have any permits, nor do the collective emissions from all processes at this location exceed the major source threshold. Therefore this source will be classified as a minor source moving forward.

NAME



DATE



SUPERVISOR

