

B4550
Mawila

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

B455073532

FACILITY: VACUUM ORNA METAL INC		SRN / ID: B4550
LOCATION: 11380 HARRISON RD, ROMULUS		DISTRICT: Detroit
CITY: ROMULUS		COUNTY: WAYNE
CONTACT: Paul Cholette ,		ACTIVITY DATE: 09/11/2024
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : 9/11/2024

TIME OF INSPECTION : 1:50 pm

INSPECTED BY : Jill Zimmerman

PERSONNEL PRESENT : Paul Cholette

FACILITY PHONE NUMBER : 734-941-9100

EMAIL ADDRESS : tjacobs@VACUUMORNA-METAL.COM

FACILITY BACKGROUND

The Vacuum Orna-Metal Company is located in the City of Romulus in a mainly industrial setting. The facility produces decorative flower containers and other metalized plastic containers, as well as hubcaps for golf carts and custom parts for antique cars. Vacuum Orna Metal usually operates the production equipment one shift per day, four days per week.

REQUIRED PPE

During the onsite inspection, I wore steel toed shoes, eye protection and a safety vest.

COMPLAINT/COMPLIANCE HISTORY

No complaints have been received in the past year. No violations have been issued since the last inspection.

PROCESS EQUIPMENT AND CONTROLS

The facility has 13 plastic mold injection machines, though only uses 10, 4 flow coat machine, though only uses 3, and an associated cure oven, and 3 vacuum metalizing machines. The molded parts are coated with a base coat resin. Then the parts are loaded into the vacuum metalizing machine, where the metal is vacuum deposited onto the part. Finally, the parts are coated with a

topcoat, also in the flow coating machine. Occasionally, a color tint is added to the topcoat to give the piece a colored metallic look.

Each flow coater at the facility has a dry off oven as part of the process. These ovens only operate on natural gas, and vent to one of four stacks on the roof.

INSPECTION NARRATIVE

I arrived at the facility and met with Mr. Paul Cholette. Together we discussed the process at this facility. Next, we walked through the facility to observe the process. The flow coaters were operating during the onsite inspection.

The facility operates one small paint coating line. This booth uses a small air gun to paint small parts. This booth was being used during the inspection. Filters were present. Records were reviewed which demonstrate compliance. A machine shop is located in this area where custom molds are prepared based on customer specifications.

APPLICABLE RULES/PERMIT CONDITIONS

Vacuum Orna Metal is currently operating under permit 145-16A, which is a facility wide opt-out permit that was issued on March 23, 2018. The special conditions are evaluated below:

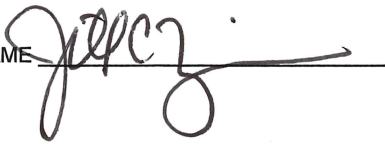
- I. Emission Limits – Compliance. The facility reported emitting less than 9 tons of all VOCs during 2023, which is less than all permitted limits.
- II. Material Limits – Compliance. No coating contains more than 7.4 lbs VOC per gallon (minus water) as applied. The facility reported using less than 3,100 gallons of coatings during 2023.
- III. Process / Operational Restrictions – NA
- IV. Design / Equipment Parameters – NA
- V. Testing / Sampling – NA No Method 24 testing is required at this time.
- VI. Monitoring / Recordkeeping – Compliance. The facility is maintaining the proper records required by this permit. A binder of the records was reviewed during the onsite inspection. The reported emissions and throughputs used for this evaluation were submitted as part of the 2023 annual emissions report.
- VII. Reporting – NA
- VIII. Stack / Vent Restrictions – NA
- IX. Other Requirements – NA

MAERS REPORT REVIEW

The facility submitted this report on time and appears to accurately report all emissions.

FINAL COMPLIANCE DETERMINATION

Vacuum Orna Metal appears to be operating with all permit conditions.

NAME 

DATE 11/22/24

SUPERVISOR JK