

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

N148766866

FACILITY: Applied Coatings Solutions, LLC		SRN / ID: N1487
LOCATION: 1830 REED ST, KALAMAZOO		DISTRICT: Kalamazoo
CITY: KALAMAZOO		COUNTY: KALAMAZOO
CONTACT: Robert Thayer , CEO		ACTIVITY DATE: 03/28/2023
STAFF: Monica Brothers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced scheduled inspection		
RESOLVED COMPLAINTS:		

Staff, Monica Brothers, arrived on-site at 1:00 pm and met with Rob Thayer, the owner of the facility. Upon arrival, I did not smell any odors or see any visible emissions coming from the building. The facility powder-coats various parts, including some parts that go into the interior of delivery vehicles, like UPS trucks. They work one 10-hour shift, Monday through Thursday and have about four employees currently working at this location. They do not have any boilers, emergency generators, or cold cleaners at the facility. This facility is currently operating under exemptions and does not have any Permits to Install.

Powder-Coating:

There are two powder-coating booths, which vent externally. During the inspection, the filters were installed and seemed to be operating appropriately. There are also two natural gas-fired cure ovens for the powder-coated parts. The powder-coating booths and associated cure ovens can be considered exempt under Rule 287(2)(d).

Washing and Drying:

There are two washing lines at the facility that use four different materials to clean the parts before they are powder-coated. These materials are Aluma Treat, Cleaner 440, Paint Lok 550, and Ridfo-208S. The Ridfo-208S is a defoamer. It is a petroleum hydrocarbon and does not contain and PFOS/PFOA. The SDSs for these materials are attached to this report. The material with the highest VOC content is the Ridfo-208S, but they only use a very small amount, and the vapor pressure for this CAS number is under 0.08 mm Hg at standard conditions, which is below the limit of 0.1mm Hg in the Rule 281(2)(e) exemption. Purchase records show that they have purchased only five gallons of Ridfo-208S since June 2022. There are also two drying ovens for the washed parts. One is electric, and the other is a natural gas-fired infrared oven. The washing and drying operations can be considered exempt under Rule 281(2)(e).

I asked Rob whether they had a burn-off oven at the facility, and he said “no” and that they send their paint hooks off to another facility to be cleaned. We then went outside to take a look at the stacks on the building. Rob said that all of the processes (powder-coating, washing, and drying) get funneled into one stack. There were two other stacks on the building, but they are no longer in use. No visible emissions were seen coming from the utilized stack.

I thanked Rob for his time and left the facility at about 1:45 pm. The facility seemed to be in compliance at the time of inspection.

NAME *Monika*

DATE 4/6/23

SUPERVISOR RIL 4/6/23