

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

N368670523

FACILITY: Diversified Fabricators, Inc.		SRN / ID: N3686
LOCATION: 21482 CARLO DR, CLINTON TWP		DISTRICT: Warren
CITY: CLINTON TWP		COUNTY: MACOMB
CONTACT: Jake Landuyt , Operations Manager		ACTIVITY DATE: 11/13/2023
STAFF: Noshin Khan	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: unannounced on-site inspection		
RESOLVED COMPLAINTS:		

On Monday, November 13, 2023, I, Noshin Khan, Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD) staff, performed an unannounced, on-site inspection of Diversified Fabricators, Inc. located at 21482 Carlo Drive, Clinton Township, Michigan 48038 (SRN: N3686). The purpose of the inspection was to determine the facility's compliance status with the requirements of the federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 Public Act 451, as amended (Act 451); the AQD administrative rules, and the conditions of Permit to Install (PTI) Number 117-15.

I arrived at the facility and met with Jake Landuyt, Operations Manager. I explained the purpose of my visit and discussed PTI 117-15, which has special conditions applicable to emission unit "EULASERCUT1"—a laser cutter which was externally vented without a fabric filter per previous inspection observations. Per Special Condition (S.C.) I.1, there shall be no visible emissions from EULASERCUT1. Jake informed me that this laser cutter was removed from the site and replaced with a unit that is self-contained and equipped with a dust collecting system. According to Jake, the facility performs sheet metal fabrication for a variety of industries. He said that the facility's operating hours are typically 6AM to 4PM, Monday through Friday and occasionally Saturday. The facility has 30-35 employees.

Jake then accompanied me on a walkthrough of the facility. In the plant, I observed metal forming, cutting, and welding operations, all of which were contained within the general in-plant environment. These processes are exempt from permit requirements per Rule 285(2)(i), 285(2)(l)(i), 285(2)(l)(vi)(B), and 285(2)(l)(vi)(C). I observed two self-contained laser cutters equipped with filtration and dust collecting systems, satisfying the requirement of 285(2)(l)(vi)(C). One of these units replaced EULASERCUT1. I also observed bending and drill presses, a saw, and welding booths. According to Jake, no plasma cutting is performed at the facility and I didn't observe it being performed.

The facility has a coating booth, which I observed was not operating during my inspection. The facility currently claims exemption 287(2)(c) for this booth, which requires the following: (i) the coating use rate does exceed more than 200 gallons per month; (ii) the exhaust serving the coating spray equipment is supplied with a dry filter control which is installed, maintained, and operated in a manner that minimizes emissions; and (iii) coating use records are maintained. I noted that some of the dry filters seemed lightly tattered or concentrated with paint, although I didn't observe gaps in the filters. I provided a verbal warning that the filters should be maintained to meet the conditions of the exemption and advised that a regular replacement schedule be implemented. Jake said that the filters are currently replaced based on the reading from a pressure drop meter. Toluene is used as a purge solvent for the spray gun nozzles, and I observed 55-gallon drums in which Jake said the waste solvent is collected. A waste disposal company collects these drums. In

the area adjacent to the booth, I observed the paint storage. I observed that solvent and coating containers were kept closed.

After my inspection, Jake provided spreadsheets tracking the gallons of coating used in the booth, as required by Rule 287(2)(c)(iii), from June 2022 through October 2023. The highest monthly coating usage during this period was 61 gallons in August 2023, which is below the 200-gallon limit set by Rule 287(2)(c)(i).

Because EULASERCUT1 is no longer on site, I provided Jake with information on how to request a permit void, and he submitted this request on November 21, 2023.

I issued a verbal warning to the facility for the maintenance of their dry filters in the coating booth. Because I didn't observe gaps in the filters and the facility has a procedure in place for maintaining them, a violation notice will not be issued at this time. Based on my observations, the facility is operating in compliance with other air pollution control rules and regulations.

NAME *Nashir Khan*

DATE 01/17/2024

SUPERVISOR *K. Kelly*