

P1258  
MANILA

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

P125868698

FACILITY: FABRICATIONS UNLIMITED INC		SRN / ID: P1258
LOCATION: 4651 BEAUFIT, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Paul Perrell , President		ACTIVITY DATE: 09/06/2023
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: FY2023 Inspection		
RESOLVED COMPLAINTS:		

### EGLE/AQD Inspection September 6, 2023

AQD staff conducted an On-site Inspection for FY 2023 of Fabrications Unlimited Inc (P1258), located at 4651 Beaufait Street in the City of Detroit. The purpose of the inspection was to determine the facility's compliance with applicable state and federal air pollution rules and regulations. Paul Perrell, President accompanied AQD staff during this inspection.

### BACKGROUND:

The facility is located on a 1.07-acre parcel of land on the southwest corner of Beaufait Street and E. Forest Avenue in Detroit, in an industrial/residential area. Fabrications Unlimited Inc (FUI) has been at this location for 6 years, they have been in business since 1985.

On August 24, 2020, EPA issued FUI a Notice and Finding of Violation as a result of an inspection by EPA staff. EPA finds that FUI is violating the Michigan State Implementation Plan and National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories at 40 CFR Part 63 Subpart XXXXXX.

On March 17, 2022, EPA and FUI entered into a Consent Agreement and Final Order (CAFO) which resolves FUI docket no. CAA-05-2022-0009. A civil penalty of \$31,466.00 was paid within 30 days.

### PROCESS DESCRIPTION:

FUI is a metal fabrication facility. The facility occupies a 25,000 square foot building. FUI engineers custom metal components used by the automotive, aerospace, and construction industries; the size of the facility enables fabrication of, or work on, very large pieces. The facility fabricates tube, plate, and structural metal from steel, stainless steel, and aluminum using welding, shearing, rolling, plasma laser, machining, and brake press fabrication methods. The process equipment is used in a non-production capacity and, with exception of the plasma table, is vented internally.

### OPERATING SCHEDULE

The company currently employs 6 people and operates 10-hours a day (6:00am – 4:00pm) 5 days a week.

**INSPECTION NARRATIVE**

Prior to this inspection, I conducted surveillance at this site on 8/22/2023 and 9/6/2023 before entering the facility. I did not observe any visible emissions.

Paul Perrell, President accompanied AQD staff during this inspection. All of the equipment is on the main floor of the building. The plasma table which was the source of opacity that caught EPA's attention is no longer in use. It was replaced about 6 months ago with a state-of-the-art laser cutter. Photos are attached of the BESCUTTER SONGU LASER. Emissions from the laser cutter are exhausted to a Onaldson Orit cartridge filter collector that vents into the building.

The parking lot is paved, and fugitive dust is not a concern.

**POST INSPECTION**

Paul Perrell, President, and his brother Allen Perrell went over FUI's required reporting to EPA and provided copy's. They described the experience of dealing with EPA and have a detailed report created by a consulting firm that they will email to me. At the moment they are not able to find that report.

On September 13, 2023, I received the Technical Memo created by Fishbeck, it is a detailed Rule 278a review. It is a very detailed and complete evaluation of every piece of equipment that FUI owns. In summary, there is an exemption for every piece of equipment at this facility. That report is attached.

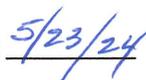
**COMPLAINE DETERINATION**

Based upon the results of this On-site Inspection and the Fishbeck Report, Fabrications Unlimited Inc in Detroit appears to be operating in compliance with applicable air quality rules and regulations, enforceable by AQD.

NAME



DATE



SUPERVISOR

