

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

U50230019769782

<b>FACILITY:</b> US Machine Co. Inc.		<b>SRN / ID:</b> U502300197
<b>LOCATION:</b> 32940 Janet Ave, Fraser		<b>DISTRICT:</b> Warren
<b>CITY:</b> Fraser		<b>COUNTY:</b> MACOMB
<b>CONTACT:</b>		<b>ACTIVITY DATE:</b> 10/20/2023
<b>STAFF:</b> Adam Bogнар	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b>
<b>SUBJECT:</b> Scheduled Inspection		
<b>RESOLVED COMPLAINTS:</b>		

On Friday, October 20, 2023, Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD) staff, I, Adam Bogнар, conducted a scheduled unannounced inspection of US Machine Co. Inc., located at 32940 Janet Avenue, Fraser, MI 48026. The purpose of this inspection was to determine the facility's compliance status with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; and Michigan Department of Environment, Great Lakes, and Energy, Air Quality Division (EGLE-AQD) rules.

I arrived at US Machine Co. at around 10 am. I met with Chris Steudle, Owner. I identified myself and stated the purpose of the inspection. We discussed current operations and toured the facility.

US Machine Co. manufacturers parts for the aerospace and automotive industries using CNC (Computer Numerical Control) machines and other tooling. Parts manufactured at this facility includes drill presses, lathes, three CNC machines, and other cutting tools. This plant operates from Monday through Friday from 7 am to 3:30 pm. There were around five people working at the facility during my inspection.

The CNC machines utilize an oil for cooling and lubrication during cutting. Some of this oil may become aerosolized during machining operations. This evaporative loss is a source of potential air emissions. Another air emission source is the metal particulate generated from machining operations. I observed that all machines are exhausted to the general in-plant environment. There is a 55-gallon size industrial vacuum equipped with a long hose that can be moved around to capture particulate emissions from processes as needed. This vacuum is exhausted to the in-plant environment.

I didn't notice any strong odors or oil mists in the plant. Chris stated that they have never had an issue with air quality within the plant. He stated that most of the machines are not used on a daily basis. Based on my observations, the cutting and machining equipment at US Machine Co. is exempt from Rule 201 requirements (requirement to obtain a permit to install) pursuant to Rule 285(2)(l)(vi)(B) since all machines are ventilated to the general in-plant environment.

There is a small coating booth used to paint parts as needed. Not all parts are painted, and this booth is not utilized every month based on the records I reviewed. The booth was equipped with dry filters on the exhaust. This booth was not operating during this inspection. I reviewed paint usage data in this booth from October 2022 through October 2023. A total of 22 gallons was used during this period. Paint usage was reported highest in March 2023 at 8 gallons. Based on my observations and the records I reviewed, this booth is exempt from Rule 201 requirements pursuant to Rule 287(2)(c) since usage is less than 200 gallons/month and emissions are controlled by a fabric filter.

Chris stated that there are no parts washers at the facility.

I left the facility at around 10:30 am.

#### **Compliance Determination**

Based on my observations during this inspection and record review, US Machine Co. Inc. is operating in compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural

Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); and Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD) Administrative Rules.

All equipment and processes I observed at this facility are PTI exempt based on my inspection and record review.

NAME Adam Begnar DATE 11/7/2023 SUPERVISOR K Kelly