

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

N550966842

<b>FACILITY:</b> Extreme Machine		<b>SRN / ID:</b> N5509
<b>LOCATION:</b> 10068 INDUSTRIAL DR, PO Box 310, HAMBURG		<b>DISTRICT:</b> Lansing
<b>CITY:</b> HAMBURG		<b>COUNTY:</b> LIVINGSTON
<b>CONTACT:</b> Ralph Christensen ,		<b>ACTIVITY DATE:</b> 03/28/2023
<b>STAFF:</b> David Rauch	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b>
<b>SUBJECT:</b> A routine inspection was conducted on 10068 Industrial Dr to check in the PTI 147-95. The new facility was discovered and an inspection was conducted. The PTI will be voided.		
<b>RESOLVED COMPLAINTS:</b>		

**On March 28, 2023, the State of Michigan’s Environment Great Lakes and Energy (EGLE), Air Quality Division (AQD), conducted a routine inspection of Ideal Steel and Building Supplies (N5509). This facility is now Extreme Machine Inc. and no longer has a permit on site. Extreme Machine is located at 10068 Industrial Dr in Hamburg, Livingston County.**

**The Environmental Contact:**

**Dennis Courter, Quality Manager, 810-231-0521, dennis@extreme-machine.com**

**Ralph Christensen, Facility contacts, rchristensen@extreme-machine.com**

**Facility Description:**

**This facility manufactures car parts for different automotive makers. This facility uses multiple CNC machines to mold and design metal parts into the proper vehicle part required by the auto industry.**

**Regulatory Overview:**

**This facility is classified as a minor source due to the lack of Potential to Emit (PTE) criteria pollutants such as (carbon monoxide, nitrogen oxide, sulfur dioxide, volatile organic compounds, lead, particulate matter 10 and particulate matter 2.5 nor of Hazardous Air Pollutants (HAPs)). Facilities that have higher PTE are considered major sources and renewable operating permits are required for those sources.**

**This facility contains exempt equipment with lower emission units for metal machining and parts washing. Previous facilities in this location had permitted equipment but all permits for this site have since been voided due to equipment being removed or determined to be exempt from permits to install.**

**Emission Units:**

<b>Equipment</b>	<b>Location</b>	<b>Exemption</b>	<b>Vented</b>	<b>Controls</b>	<b>Compliance</b>
<b>24 CNC Machines</b>	<b>Machine Floor</b>	<b>Rule 285(I) (vi) (B)</b>	<b>Internal</b>	<b>NA</b>	<b>Yes</b>

Milling Machine	Back Storage	Rule 285(I) (vi) (B)	Internal	NA	Yes
Table saw	Wood shop	Rule 285 (I) (vi)(A)	External	Cyclone Bag House	Yes
Wood Sander	Wood Shop	Rule 285 (I) (vi)(A)	External	Cyclone Bag House	Yes
Circular Saw	Wood Shop	Rule 285 (I) (vi)(A)	External	Cyclone Bag House	Yes
Parts Cleaner	Machining Area	281(h)	Internal	NA	Yes
Parts Cleaner	Machining Area	281(h)	Internal	NA	Yes
Parts Cleaner Dip	Machining area	281(h)	Internal	NA	Yes
Emergency Generator (Diesel)	Outside	285 (2) (g)	External	NA	Yes

#### Facility History:

This facility was previously Ideal Steal Inc and had a PTI 147-95 for the facility. The PTI was for the paint room that was used on the metal sheets being used for Comerica Park. The facility was not inspected under that PTI. Per the staff at Extreme Machine the building changed ownership in 2014 approximately. Since the facility has changed there has not been an inspection of the building.

#### Inspection:

Arrived at the facility at 9:04am where we were met by staff that was not certain of what EGLE or AQD are, and they were hesitant to let me in. After discussion with another staffer (Ralph Christensen) I was taken in and given a tour of the facility. The overall shop and machining area was contained in one section of the building, all 24 CNC machines and 3 parts cleaners were in

the main portion of the building. The facility had a back storage area with excess materials and a milling machine they stated they rarely use for parts in the shop, not for production.

The old paint booth that was permitted under 147-95 in its own separate room had been removed and was replaced with a wood shop. The wood shop contains all exempt equipment and was controlled by a cyclone bag house. The wood produced is used for the facility and is not used on a production basis. The facility always operates the wood shop on a need basis and not all days of the week.

While on site the facility was running a total of 14 of the CNC machines and was not running the parts cleaners. The CNC machines were making a variety of car parts, some were making motor parts and others were making wheel parts. The portions of the motor were working on aluminum blocks and forming them into the appropriate parts. The machines used a coolant to knock down metal fragments from the forming process. These parts were then placed on carts and held until they could be moved to the back storage area.

The facility was not very large and all manufacturing occurred in one section of the building. I spoke with the owner who stated the facility does not have high potential to emit. The facility was also stating that the CNC machines are run on a demand basis from the auto manufacturer they are working with. This is why only certain CNC machines were operating and not all the machines.

#### Fee Status:

This facility is not considered fee subject because it is not a major source for criteria pollutants and does not meet the MAERS standards to report emissions to AQD. This facility is a minor source of pollutants and is thus exempt from facility fees.

#### Location:

This facility is located on Industrial Dr in Brighton west of US-23. Industrial drive is a side street off M-36 going west off the expressway. The facility is at the very end of the Industrial Dr at the back of the industrial park. There are houses directly North of the Loading area of the facility, to the East and South of the building there are industrial buildings and to the West is a forested area. The facility is relatively close to the highway and can be reached easily.

#### Facility Record Keeping for Emergency Generator:

Generator Fuel	Year Built	Install	Hours Run (year)	Service
Diesel	1996	2014	60	11/2022

**Conclusions:**

The equipment that was observed during the inspection was being run properly and in good condition. The facility was well maintained, and the staff was knowledgeable on the processes in the facility. The staff is not aware of all environmental information as they have not been inspected but were very compliant with all questions and concerns.

NAME David RauchDATE 06/02/23SUPERVISOR RB