

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

N730061075

<b>FACILITY:</b> Therm-o-Disc		<b>SRN / ID:</b> N7300
<b>LOCATION:</b> 851 East Porter Rd., MUSKEGON		<b>DISTRICT:</b> Grand Rapids
<b>CITY:</b> MUSKEGON		<b>COUNTY:</b> MUSKEGON
<b>CONTACT:</b> David Swords , Maintenance Technician		<b>ACTIVITY DATE:</b> 11/17/2021
<b>STAFF:</b> Scott Evans	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> On site inspection to assess compliance with air quality regulations.		
<b>RESOLVED COMPLAINTS:</b>		

### Introduction

On November 17, 2021 State of Michigan Department of Environment, Great Lakes, and Energy Air Quality Division staff member Scott Evans (SE) conducted an on-site inspection of the Therm-O-Disk facility located at 851 East Porter Rd. in Muskegon to assess compliance with applicable air quality regulations. This facility is a manufacturing facility that makes vehicle and appliance thermal sensors used to automatically monitor temperatures where needed. The metal components are machined and then coated through silk-screen processes. The coating is set using electric curing ovens and parts are then assembled into the final sensor product. It was last inspected in November of 2011 and, at that time, all processes were operating under air permit exemptions.

### Inspection

At approximately 11:00AM on November 17, 2021, SE arrived at the facility to conduct an on-site inspection. During an initial assessment of the facility perimeter, no odors or visible emissions were observed. Upon entering the facility, SE was greeted by Dave Swords (DS). After a brief discussion of the intent of the visit an inspection of the facility was conducted in which the silkscreen room, maintenance area, and assembly floor were all visited.

The facility utilizes silkscreen processes as part of the manufacturing. The silkscreen process is exempt from air permitting requirements by Rule 287(2)(e). Part of this process also utilizes an electric oven. The facility operates this oven through air permitting exemption Rule 282(2)(a)(i).

The facility undergoes various cleaning processes as part of the component manufacturing. Some cleaning is accomplished through the use of a small parts cleaner. During the inspection this cleaner's lid was closed and compliant with exemption Rule 281(2)(h). Other cleaning processes utilize Rule 290 exemption criteria. Records were provided and demonstrated the following highlights:

- In September of 2021 approximately 16lbs. of VOCs were released through the use of denatured alcohol for cleaning processes.

The facility operates some injection molding processes during manufacturing. This process is exempt by Rule 286(2)(b). There is also a welding station at the facility that is used as needed (not as a consistent production process) that is exempt from air permitting by Rule 285(2)(i).

### Conclusion

At the conclusion of this inspection, the facility appeared to be compliant with all applicable air quality regulations.

NAME Scott Evans

DATE 12/8/2021

SUPERVISOR HH