

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection

N773129801

FACILITY: TRULITE		SRN / ID: N7731
LOCATION: 300 DUNN ST, PLYMOUTH		DISTRICT: Detroit
CITY: PLYMOUTH		COUNTY: WAYNE
CONTACT: Mike Mueller, Maintenance Staff		ACTIVITY DATE: 04/08/2015
STAFF: C. Nazaret Sandoval	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: FY 2015 Targeted Inspection Skyway Precision Inc. is the current business at this location. The former companies identified in our record files with this SRN (TRULITE and/or PG Glass of Michigan) have moved from this building location.		
RESOLVED COMPLAINTS:		

**Source:** SRN N7731  
**Location:** 300 Dunn Street, Plymouth MI 48170  
**Facility Name:** Skyway Precision Inc. (Former Trulite and/or PDC Glass of Michigan Inc.)  
**Date of Inspection:** April 8, 2015  
**Reason for Inspection:** Targeted Inspection  
**Inspector:** Nazaret Sandoval, Department of Environmental Quality  
**Personnel Present:** Mr. Gary Shamma, Daytime Supervisor (greetings)  
 Mike Mueller, Maintenance Staff  
**Facility Phone Number:** (734) 454 3550, Ext. 225

## 1. FACILITY BACKGROUND

According to our records the last site inspection conducted at this location was on 01/27/2010. The inspection report indicated that the company located at 300 Dunn Street, Plymouth MI 48170 was a glass manufacturing facility known as "PDC Glass of Michigan" a division of United Glass Corporation, which had occupied the industrial warehouse since 1998. However, on April 8, 2015 when I visited the site, I found out that the building was occupied by another company identified as "Skyway Precision, Inc.", a precision machining company.

## 2. INSPECTION NARRATIVE AND PROCESS DESCRIPTION

I arrived at the facility at about 10 a.m. and I was greeted by Mr. Gary Shamma, the Day-Time Supervisor of the manufacturing operations. I identified myself, showed him my credentials and explained the reasons of my visit. I asked Mr. Shamma for the date that "Skyway Precision Inc." had moved to the building. He said that the industrial warehouse has been in that location for about 1 1/2 year. He added that Skyway Precision Inc.'s "manufacturing operations" are mainly in the other two locations: The Main Office/Plant 1, located at 41225 Plymouth Rd., Plymouth, MI 48170 and Plant 2, operating at 39100 Plymouth Rd, Livonia, MI 48150.

I asked Mr. Shamma if he knew anything about the relocation of the glass manufacturing facility that operated at Dunn Street. Although he was aware of the former business, he did not know anything about their relocation.

After our introductions, Mr. Shamma introduced me to Mr. Mike Mueller, the person responsible of the maintenance activities at the warehouse. Mr. Mueller accompanied me during the inspection and described the manufacturing operations. He said that their business focus is the production of machined and assembled components. Machining is any of various

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processes in which a piece of raw material is cut into a desired final shape and size by a controlled material-removal process. The three principal machining processes are classified as turning; drilling and milling. Their clients extend from automotive manufacturers to light and heavy duty diesel manufacturers.

During our opening meeting I explained Mr. Mueller that I was there to determine compliance 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 the Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules. I also handed out the brochure "DEQ Environmental Inspections: Right and Responsibilities".

During the walkthrough Mr. Mueller explained the operations taking place at the facility. He showed me the raw materials that are received at the warehouse, the machinery that is used to convert the raw materials in final products, and the storage area where they keep the final products ready for shipment to the costumers.

Here is a list of some of the products at the warehouse:

- Flywheels Assemblies
- Flywheels Housings
- Aluminum oil pans of different sizes
- Gear Blanks
- Clutch Components
- Pulleys
- Thermostat Housing Assemblies
- Valve Covers
- Crank Adaptors

The scrap metal from the machinery is collected on bins and then picked up and properly disposed.

The facility also has a Wastewater Recovery System that collects all the water that is used during cleaning, scrubbing, and dirty cooling operations. Nothing is "dumped" onto the storm system without being treated in that system.

There is an oil and coolant storage area. In that area they store metalworking fluids, corrosion inhibitors, and hydraulic fluids for lubrication. They also use an industrial cleaning fluid. The lubricants are Renolin AW Series Lubricants, which are specially formulated, long lasting products primarily intended for hydraulic applications. These lubricants provide corrosion protection to safeguard equipment and to withstand the stress of high speed and force of the machines. These industrial lubricants have de-emulsifying characteristics to permit water to be drawn off. They are kept in 55-gal drum. The drum is replaced every six months.

All products are manufactured by FUCHS. I requested the MSDS for all the cited products and Mr. Mueller provided the information via email. The MSDSs are all attached to the hard copy of the report on file.

The warehouse is heated by five (5) ceiling mounted Reznor® V3 Series Model UDAP gas-

fired unit heaters. Each heater has a rated heat input capacity of 45,000 BTU per hour; for a total of 225,000 BTU per hour. A table with the technical data for the space heaters is attached to the hard copy of the report on file.

At the end of the site inspection we went to Mr. Mueller's work station and I explained him the applicable regulations from the "Permit to Install Exemption Handbook". I left the facility at about noon time.

### 3. APPLICABLE AIR REGULATIONS AND COMPLIANCE EVALUATION

As indicated earlier, the main business at "Skyway Precision Inc." is precision machining. Therefore, the existing equipment and process operations qualify for the permit to install exemption specified in Rule R 336.1285 (I) (vi) (B), which reads:

*"Rule 285. The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*

*(I) The following equipment and any exhaust system or collector exclusively serving the equipment:*

*(vi) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals, graphite, plastics, concrete, rubber, paper stock, wood, or wood products which meets any of the following:*

*(A)...*

*(B) Equipment has emissions that are released only into the general in-plant environment.*

*(C)..."*

The space heaters located on the ceiling of the warehouse qualify for the permit to install exemption cited in Rule R 336.1282- Permit to install exemptions; furnaces, ovens, and heaters, that reads:

*Rule 282. The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following:*

*(b) Fuel-burning equipment which is used for space heating, service water heating, electric power generation, oil and gas production or processing, or indirect heating and which burns only the following fuels:*

*(i) Sweet natural gas, synthetic gas, liquefied petroleum gas, or a combination thereof and the equipment has a rated heat input capacity of not more than 50,000,000 Btu per hour.*

The total heat input capacity for the five unit heaters is 225 MBTU per hour, which is less than 50 MMBTU per hour.

According to the product information neither the coolant, nor the hydraulic fluid, contain Volatile Organic Compounds (VOCs) and/or Hazardous Air Pollutants (HAPs); therefore, regulations relevant to emissions of VOCs and HAPs are not applicable.

The facility does not have VOC-emitting units regulated under the Part 6 of the Michigan Administrative Rules (i. e. Degreasers)

The facility does not have emergency generators and industrial boilers; consequently, the air regulations relevant to that equipment are not applicable.

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It appears as if there are no other State and/or Federal Requirements regulating air emission for this facility.

**4. FINAL COMPLIANCE DETERMINATION**

As a result of the site inspection and the evaluation of the applicable rules and regulations; the facility appears to be in compliance with the State and Federal Air Pollution Regulations.

NAME Chandoral

DATE 8/19/15

SUPERVISOR JK