

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

N32733318

FACILITY: Innovative Engineering		SRN / ID: N3273
LOCATION: 1541 W ROUND LAKE RD, DEWITT		DISTRICT: Lansing
CITY: DEWITT		COUNTY: CLINTON
CONTACT: Daryl Reed ,		ACTIVITY DATE: 02/09/2016
STAFF: Julie Brunner	COMPLIANCE STATUS: Compliance	SOURCE CLASS: <i>MAJOR</i>
SUBJECT: Scheduled Inspection of Innovation Engineering - Active PTIs 1147-91, 1148-91, 1149-91, and 1150-91.		
RESOLVED COMPLAINTS:		

On 2/9/2016, I conducted an unannounced, scheduled inspection of Innovative Engineering at 1541 West Round Road in Dewitt. The facility address was listed as 941 West Round Road in the District files, and the address number has changed to 1541. This has been corrected in MACES and MAERS. The company was split in 1995 with Innovative Engineering keeping the urethane molding operations, and Innovative Polymers, Inc. taking the liquid polyurethane mixing operations. Innovative Polymers, Inc. has since relocated to 208 Kuntz Street in St. Johns.

Contacts:

Mr. Daryl Reed and Ms. Tina Wood, 517-669-1591, innovativeengineering2@comcast.net

Facility Description:

Innovative Engineering does custom molding of polyurethane products. The facility takes liquid polyurethanes, mixes the "A" and "B" components, and pores them into custom molds. The products manufactured include weather stripping for automotive applications, etc.

The facility is located in a small industrial park off of West Round Lake Road. It is surrounded by a small amount of residential housing and commercial/industrial property. Woods separate the nearest neighbors from the facility.

Regulatory Overview:

Innovative Engineering is a true minor source of any regulated air contaminants including hazardous air pollutants (HAPs) and not subject to the Title V Renewable Operating Permit (ROP) program. Innovative Engineering has four active Permits to Install (PTIs) 1147-91, 1148-91, 1149-91, and 1150-91.

Emission Unit Description	Permit No.	Status
IE-70D hardener manufacturing process – drum roller (SCC: 3-08-999-99)	1147-91	Process removed
Three (3) electric heated ovens to warm molds and post-cure molded parts. (SCC: 3-08-999-99)	1148-91	Operating
IE-90A hardener manufacturing process – drum roller (SCC: 3-08-999-99)	1149-91	Process removed
IE-100 resin manufacturing process – drum roller (SCC: 3-08-999-99)	1150-91	Process removed

MAERS:

The facility is not required to report emission information.

Inspection:

Weather conditions were cold, cloudy with a little wind and a little snow. No odors were detected in the drive way. No visible emissions were identified from the building. I almost missed the facility because I was looking for 941 W. Round Lake, not 1541 W. Round Lake.

I met Mr. Daryl Reed and Ms. Tina Wood. I discussed the purpose of my inspection and then toured facility operations. The facility was operating during the inspection.

Machining:

They have a small machine shop for in-house tooling and repairs. The equipment is not vented to the ambient air and is exempt under Rule 285(vi).

Polyurethane Molding Operations:

The molding operations are located in a separate room. There is storage of small containers of the liquid polyurethane "A" and "B" components, five (5) pressure pots for the molds, and three electric post-cure ovens in this area. The molding operation is done by mixing liquid polyurethane "A" and "B" components, and hand pouring them into custom molds. Pressure pots using low pressure (~60 psi) and no heat are used to remove bubbles from the parts while molding. Polyurethane parts are post-cured in the electric ovens which are vented to the ambient air. There are no stack requirements on PTI 1148-91 and no record keeping requirements associated with the polyurethane molding process.

Records Review:

There are no recordkeeping requirements in the PTIs.

Summary:

The facility appeared to be in compliance with the applicable rules and regulations.

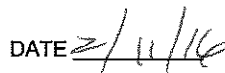
PTIs 1147-91, 1149-91, and 1150-91 will be voided as these processes are no longer located at this facility leaving one active permit, PTI 1148-91.

Innovative Polymers, Inc. (SRN: P0681) was also inspected the same day since the processes originally permitted on PTIs 1147-91, 1149-91, and 1150-91 had been relocated to 208 Kuntz Street in St. Johns.

NAME



DATE



SUPERVISOR

