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DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection

N769141713

FACILITY: LEAR		SRN / ID: N7691
LOCATION: 26575 NORTHLINE RD, TAYLOR		DISTRICT: Detroit
CITY: TAYLOR		COUNTY: WAYNE
CONTACT: Roger Koenigsknecht , Director - Operations, Terminals, & Connectors		ACTIVITY DATE: 09/27/2017
STAFF: Jonathan Lamb	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Self-Initiated Inspection, FY 2017		
RESOLVED COMPLAINTS:		

INSPECTED BY: Jonathan Lamb, MDEQ-AQD

PERSONNEL PRESENT: Roger Koenigsknecht, Director - Operations, Terminals & Connectors; Didier Dimas, Continuous Improvement Manager.

FACILITY PHONE NUMBER: 734-946-9063

FACILITY FAX NUMBER: 734-946-1638

FACILITY WEBSITE: www.lear.com

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**FACILITY BACKGROUND**

Lear Corporation is a Tier One supplier of automotive interiors. The Lear – Taylor Plant belongs to the Electrical Systems Division of the company. This facility manufactures plastic injection-molded electrical components for the automotive industry. Lear has been at the present location since 1991; previously it was the site of Taylor Tube. There are currently 150 employees. The facility operates three shifts, Monday through Friday, 24 hours per day.

**COMPLAINT/COMPLIANCE HISTORY**

There have been no complaints registered to this facility in the database and no violation notices issued to the facility. The last inspection at the facility on November 9, 2005, found the facility to be in compliance.

**PROCESS DESCRIPTION**

I arrived at the facility on September 27, 2017, and met with Roger Koenigsknecht, Director - Operations, Terminals, & Connectors, and Didier Dimas, Continuous Improvement Manager, and informed them of the purpose of my visit.

The manufacturing floor contains approximately 42 plastic injection molding presses all below a 440 ton capacity. Each press manufactures a different component, most of which are used as support for the electronics in automobiles, such as junction boxes and wire harnesses. There are three 45,000-pound silos located behind the building which are used to store plastic pellets used for the injection molding. Pellets are moved from the silos to surge bins located inside the building prior to use. Pellets are manually unloaded from the surge bins and loaded into hoppers at each injection molding machine, where the pellets are heated to 550 degrees F to melt the plastic to allow it to be molded into the desired part. Approximately 40 different types of plastic are purchased per year with the majority being polypropylene. Emissions from the injection machines are vented inside the building.

The facility uses a noncarcinogenic mold release agent on the machines on a regular basis. The mold release agent is made by IMS Brand Product No. 123492, which comes in 16-oz. aerosol cans. Mr. Koenigsknecht said they use about 300 cans per year.

The injection molding machines are cooled using through a water chiller, which cools the water and recycles it through all the machines.

The remainder of the facility was raw material storage and finished product storage. There is no boiler on site.

