

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

N327805252

FACILITY: DELTA TOOL CO		SRN / ID: N3278
LOCATION: 1350 HARMON RD, AUBURN HILLS		DISTRICT: Southeast Michigan
CITY: AUBURN HILLS		COUNTY: OAKLAND
CONTACT: Dave Frink , Facility Manager		ACTIVITY DATE: 03/24/2017
STAFF: Francis Lim	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Annual Inspection		
RESOLVED COMPLAINTS:		

On March 24, 2017, I conducted an inspection at Delta Technologies Group (formerly Delta Tool Co.), located at 1350 Harmon Road, Auburn Hills. During the inspection, staff was assisted by Dave Frink, Facility Manager.

The purpose of the inspection was 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; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Administrative Rules; and the conditions of Permit-To-Install (PTI) No. 1172-91.

This facility manufactures large, mostly automotive (primarily Chrysler at this time) plastic injection molded parts. But the main product at this facility is the production of steel alloyed molds used for plastic injection molding. The molds are designed and produced by Delta Technologies. Production is done in three separate buildings. This facility has approximately 180 employees, operating 50 hours per week.

The plastic injection molding machines use a variety of plastic materials fed from bins and containers. During the inspection, one of the molding machines was producing a metal reinforced radiator support. This facility operates three plastic injection molding machines located in two of the three buildings used for production. The plastic injection molding machines are exempt under Rule 286(2)(b). Plastic parts manufactured are not cleaned at the site.

This facility has a permit for a paint spray booth, PTI No. 1172-91. The booth is used only for prototype parts, not for mass production parts. Paint usage logs are kept near the paint spray booth. I verified that usage is very low, less than 10 gallons per month. Emissions are below the permit VOC limit of 1.4 pounds per hour and 2.0 tons per year. The paint booth filters are in place. Dave mentioned that the filters are changed when the magnehelic reads about 1 inch water pressure drop. Paints and solvents are stored in closed containers inside cabinets near the paint booth. Waste paints and solvents are stored in 55-gallon drums.

Facility operates a mineral spirits cold solvent cleaner serviced by Crystal Clean. The cold cleaner was not being used during the inspection and the cover was in place. The cold cleaner is exempt under Rule 281(2)(h).

The plastic injection molds used for plastic injection molding are manufactured from steel alloys using a variety of equipment, among them, CNC machines, a hydraulic press, and cutting stations. These equipment are not controlled by dust collectors. Metal shavings from machining operations are sold to a metal recycler. Coolants used for the machines are water soluble oil. I did not notice any moldy odor from the coolant. Some of the molds they produce are used at their own plastic injection molding machines, while majority are supplied to other

plastic injection molding facilities. The molds they manufacture are called closed mold. It is a 2-component mold made up of a top and bottom part. The CNC machines, hydraulic press and cutting stations are exempt under Rule 285(l)(vi).

This facility also operates a woodworking machine controlled by a dust collector. This equipment is used for producing showpiece car parts for exhibit. This is exempt under Rule 285(l)(vi).

NAME J. A. J.

DATE 03-31-17

SUPERVISOR [Signature]