

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

*FY 2014 Insp-*

U6314106024502

FACILITY: Moeller Precision Tool, Inc.	SRN / ID: U63141060
LOCATION: 30893 Century Drive	DISTRICT: Southeast Michigan
CITY: Wixom	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 02/25/2014
STAFF: Iranna Konanahalli <i>IK</i>	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2014 self-initiated inspection of Moeller Precision Tool, Inc., ("Moeller")	
RESOLVED COMPLAINTS:	

*E-file: U63 14 1060 - SAR 2014 02 25*

**Moeller Precision Tool, Inc. (U-63-14- 1060)**  
**30893 Century Drive**  
**Wixom, Michigan 48393-2064**

**www.moellerpunch.com**

On February 25, 2014, I conducted a level 2 self-initiated inspection of Moeller Precision Tool, Inc., ("Moeller") located at 30893 Century Drive, Wixom, Michigan 48393-2064.. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Mr. Paul Dery (Phone: 248-668-1166-ext. 122; Cell: 734-751-6275; Fax: 248-668-1004; E-mail: [pdery@moellerpunch.com](mailto:pdery@moellerpunch.com)), Vice President, assisted me.

Moeller makes stamping and tooling equipment. Moeller makes special punches and die button. Moeller moved to this Wixom facility in December 2012 and it conducted previously its manufacturing business in Plymouth, Michigan.

Moeller employs about 160 people.

### **Saw cutting and Swiss screw machines**

Raw materials (steel bars) are received and cut using saw cutting machines. Six screw machines (Star Micromics Co. Ltd.) are used make punch blanks. The machines produce waste turnings. The screw machines are equipped with Mist Eliminators to remove oil mist and to maintain indoor air quality. No exhaust to outside ambient air.

The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285 (I).

### **Milling and drilling**

Milling and drilling machines are present. The parts are sent out for heat-treating. More machines for milling and drilling of heat-treated parts. No exhaust to outside ambient air.

The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285 (I).

**Grinding machines (46)**

46 grinders are present. The grinders are equipped with a several Eliminators (mist) and two Airflow Baghouses (2). Each baghouse is equipped with 3 bagss, which are replaced based upon pressure drop ( $\Delta P$ ). No exhaust to outside ambient air.

The 46 grinders are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285 (l).

**Dry grinding machines (20)**

About 20 dry grinding machines are present. The emissions from the dry grinders are captured and ducted through a common manifold to a control equipment consisting of a cyclone and a baghouse arranged in series. The cyclone is equipped with two (2) 55-gallon drums for dust collection. The baghouse is equipped with six (6) 55-gallon drums for dust collection. I asked Mr. Dery to empty the drums promptly when full.

The 20 dry grinders are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

**Water-based parts cleaners**

Two water-based detergent parts cleaners are present:

1. Landa automatic parts washer
2. East-Wood cold-cleaner

**Conclusion**

The machining and grinding equipment are exempt from Rule 336.1201.

NAME

J. L. Marshall

DATE

03/13/2014

SUPERVISOR

CTE