

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

FY 2015 Insp

U63150869030659

FACILITY: Tomco Fabrication and Machine, Inc.		SRN / ID: U631508690
LOCATION: Suite 1, 50853 Century Court		DISTRICT: Southeast Michigan
CITY: Wixom		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 08/04/2015
STAFF: Iranna Kohnahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: FY 2015 inspection of Tomco Fabrication and Machine, Inc. ("Tomco"), a machine shop		
RESOLVED COMPLAINTS:		

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Tomco Fabrication and Machine, Inc. (U-63-15-08690)
Suite 1, 50853 Century Court
Wixom, Michigan 48393-2066

On August 4, 2015, I conducted a level 2 self-initiated inspection of Tomco Fabrication and Machine, Inc. ("Tomco"), a machine shop, located at Suite 1, 50853 Century Court, Wixom, Michigan 48393-2066. 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. Don Henry (Phone: 248-669-2900 Cell: NA; Fax: 248-660-2926; E-mail: TomcoFab@sbcglobal.net), President, assisted me.

Tomco is a machine shop that provides services in CNC, water-jet cutting, CNC machining, metal fabrication, painting, etc.

CNC machines

10 CNC machines (Fadal VMC 4020 Vertical CNC) that are enclosed are present. Water-based coolant is used with a twin objective: control particulate emissions and cool the tools. All particulate emissions are released to in-plant environment. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

Sanding machine

One TimeSavers 1200 sanding machine, with a particulate capture device and one bag (4 ft. tall and 3 inches diameter) equipped with a hopper, is present. Particulate laden exhaust upon filtration is released to in-plant environment. The machine is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

Printing machine

One printing machine with a bag (3 ft. tall and 2 ft. diameter) to control fumes is present. All exhaust is released to in-plant environment. The printer is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

Paint spray booth – Rule 336.1287(c)

One mostly water-based paint spray booth (10 ft. W x 10 ft. L x 10 ft. H) with a back-draft dry filter system is present. Although most paints are water based, some solvent-based paints are

used as well. Paint usage records are not kept; Mr. Don Henry, stated that about 3-5 gallons of paint per month was used. Both water (mostly) and solvent (sparingly) based coatings are used.

I asked Mr. Henry to install and inspect the filters such that they fit, at all times, snugly without gaps and holes. I also asked him to keep records of paint and solvent usage according to Rule 336.287(c).

The booth is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.287(c).

Upon keeping usage records, the coating booth meets all of the Rule 336.1287(c) conditions:

1. The coating use rate is not more than 200 gallons, as applied, minus water, per month.
2. Any exhaust system that serves only coating spray equipment is supplied with a properly installed and operating particulate control system.
3. Monthly coating use records are maintained on file for the most recent 2-year period and are made available to the air quality division upon request.

Conclusion

Paint spray booth (Rule 336.1287(c)) and printing, sanding, CNC, etc. machines (Rule 336.1285) are exempt from Rule 336.1201.

NAME W. Penabaz DATE 08/17/2015 SUPERVISOR CJE