

FY 2015 Insp

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

ACTIVITY REPORT: Self Initiated Inspection

F904230876

FACILITY: STERLING SCALE CO		SRN / ID: F9042
LOCATION: 20950 BOENING DR, SOUTHFIELD		DISTRICT: Southeast Michigan
CITY: SOUTHFIELD		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 08/26/2015
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY 2015 inspection of Sterling Scale Company, Inc.		
RESOLVED COMPLAINTS:		

F9042 - SAR - 2015 08 26

Sterling Scale Company, Inc. (F9042)
20950 Boeing Dr.
Southfield, Michigan 48075-5737

Rule 336.1287(c) paint spray booth – a special case

VN: AQD issued violation notice (VN) dated August 25, 2010, for installing Rule-287-non-compliant coating booth in violation of Rule 336.1201

On August 26, 2015, I conducted a level-2 self-initiated inspection of Sterling Scale Company, Inc. ("Sterling"), an industrial scale company, located at 20950 Boeing Dr., Southfield, Michigan 48075-5737. 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 FY2015 inspection, Mr. John Dixon (Phone: (248-358-0597 or 800-331-9931; Cell: 248-307-0413; Fax: 248-358-0597; E-mail: sales@sterling-scale.com), Sales Manager, assisted me.

Mr. James R. Dixon (Ph: (248-358-0590 or 800-331-9931; Fax: 248-358-0597; E-mail: sales@sterling-scale.com), Treasurer, passed away about August 13, 2013, and Mr. John Holcomb, Plant Manager, separated about October 2013. All Dixons are siblings.

Sterling builds industrial scales for weighing materials and things. The scales are electronic. Sterling will phase out all manufacturing and will focus on sales, distribution and service. The paint spray booth will stay for maintenance purposes even after all manufacturing ceases. Paint usage will be further reduced due to phasing out of manufacturing.

12 ft. L * 12 ft. W * 10 ft. H paint spray booth

The booth is equipped with back-flow dry filter systems. Sterling uses approximately 10 gallons of paint per calendar quarter (reduced from 10 gallons of paint per month since 2010). However, sterling paints some large parts that do not fit into the booth just outside and near the booth based upon black paint overspray. During FY 2015 inspection, I observed a large painted part outside the booth; the part was being dried. 90 percent of the paints are black in color. All paints are solvent-based.

I asked Mr. Dixon 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) considering air draft towards a dry filter system will be maintained using push-pull ventilation.

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.

Please refer to the Aug 25, 2010, Violation Notice for additional details.

I asked Mr. Dixon to ensure that all emissions go through the booth's filters when parts are painted outside the booth but near it. See June 29, 2011, e-mail and the letter dated July 7, 2011, for additional details. The letter stated that push-pull ventilation through the booth filters will be arranged by strategically installing fans for push air towards filters and closing all other all doors and windows. Aug 25, 2010, Violation Notice is resolved.

No parts / cold cleaner is present.

Conclusion

Sterling was not in compliance with Rule 336.1201 / 336.1287. Please refer to the Aug 25, 2010, Violation Notice for additional details. Push-pull air flow to assist overspray paint particles towards the filters will result in compliance with Rule 287.

FYI: VN

August 25, 2010

Mr. James R. Dixon, Treasurer
Sterling Scale Company, Inc.
20950 Boeing Dr.
Southfield, MI 48075-5737

NAME J. Penanahall DATE 8/31/2015 SRN: F9042, Oakland (63) County
SUPERVISOR CJE