

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

N228328047

FACILITY: Enamelite Industries, Inc.		SRN / ID: N2283
LOCATION: 3829 Roger B. Chaffee Blvd. S.E., GRAND RAPIDS		DISTRICT: Grand Rapids
CITY: GRAND RAPIDS		COUNTY: KENT
CONTACT: Jennifer Scott, Office Manager		ACTIVITY DATE: 12/16/2014
STAFF: David Morgan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT:		
RESOLVED COMPLAINTS:		

At 10:20 A.M. on December 16, 2014 Air Quality Division staff Dave Morgan conducted an unannounced scheduled inspection of Enamelite Industries Inc located at 3829 Roger B. Chaffee Boulevard in Wyoming. The purpose of the inspection was to determine the facility's compliance with Permit to Install No. 119-06. Accompanying staff on the inspection was Jennifer Scott, Office Manager and Steve McCorkle, Plant Supervisor.

FACILITY DESCRIPTION

Enamelite is a painting job shop that conducts painting of metal and plastic parts for automotive and furniture industries. The company's potential to emit for HAPs and VOCs are limited under Permit to Install No. 46-14.

COMPLIANCE EVALUATION

At the time of the inspection, no production was occurring, however, a compliance determination could still be made. Essentially no changes had been made to the facility or coating lines since the last AQD inspection. A large number of the permit requirements are recordkeeping in nature.

Line 1-

Line 1 consists of a prime coat/wipedown booth (5B), two basecoat booths (B1 and B2), two clearcoat booths (B3 and B4), and a natural gas-fired cure oven. All booths are totally enclosed, manual spray booths with dry filter control. New filters were installed in the booths ready for the next production run. All booths use HVLP spray guns. Paint is mixed in 5 -10 gallon pots in the mix room and then transferred to the booth. It is noted that booth 5B is primarily operated as a wipe off booth or part prep booth.

-Line 2-

Line 2 consists of two open booths (8 and 9) each with dry filter control. HVLP guns are used in these coating booths. A black soft coating is used in the booths. Again, filters were installed and ready for production.

-Line 3-

Line 3 consists of Booth Nos. 10 and 11 with dry filter control. All filters were installed and maintained properly. HVLP guns are used in each booth. The coating booths had filters ready for the next production run.

-Offline Booths-

There are four small offline (not on a conveyor) booths (3, 4, 5A, and 7) these are used primarily for reworking imperfections in parts without sending them through the larger paint line. They are used with a very low volume of paint. Other activities also occur in these booths including some sanding and buffing.

-Recordkeeping-

The company maintains all records using the EMTRACK software. The software allows the company to generate reports to demonstrate compliance based on individual booths, emission units, and the entire facility. The company is maintaining daily, monthly, and 12-month rolling records in accordance with the permit for all coating lines. The company is in the process of developing a spreadsheet method of better tracking VOC content based on a daily weighted average per coating category. The company is using manufacturers' formulation data rather than Method 24 testing to verify the VOC content of coatings.

According to company records the company had the following emissions from November 2013 through October 2014:

Equipment	Pollutant	Limit *	Actual Emissions	Compliance	Comment
FGCOATING	VOC	60.0 tpy	< 54 tpy (including flush)	Yes	

Each Booth Portion - Line 1	VOC	43.7 tpy	< 18 tpy	Yes	
Each Booth Portion - Line 2	VOC	42.6 tpy	< 1 tpy	Yes	
Each Booth Portion - Line 3	VOC	42.0 tpy	<29 tpy	Yes	
EUOL3	VOC	37.8 tpy	Did not spray coatings		
EUOL4	VOC	37.8 tpy	Did not spray coatings		
EUOL5A	VOC	41.6 tpy	< 1 tpy	Yes	
EUOL7	VOC	42.4 tpy	Did not spray coatings		
Plastic parts, air-dried coatings	VOC	5.0 lb/gal (minus water)	<5.0 lb/gal	Yes	
Plastic parts, flexible primer, high bake coatings	VOC	4.5 lb/gal (minus water)	< 4.5 lb/gal	Yes	
Plastic parts, non-flexible primer, high bake coatings	VOC	3.5 lb/gal (minus water)	Did not use		
Plastic parts, basecoat, high bake coatings	VOC	4.3 lb/gal (minus water)	Did not use		
Plastic parts, clearcoat, high bake coatings	VOC	4.5 lb/gal (minus water)	< 4.5 lb/gal	Yes	
Plastic parts, touchup and repair coatings	VOC	5.2 lb/gal (minus water)	Did not use		
Metal parts, clear coat	VOC	4.3 lb/gal (minus water)	Did not use		
Metal parts, air-dried coatings	VOC	3.5 lb/gal (minus water)	Did not use		
Metal other coatings	VOC	3.0 lb/gal (minus water)	Did not use		
Plastic parts adhesion promoter	VOC	6.1 lb/gal (minus water)	< 6.1 lb/gal	Yes	
FGFACILITY	HAPs	22.5 tpy aggregate	< 3.0 tpy	Yes	
FGFACILITY	HAPs	9 tpy individual	< 3.0 tpy	Yes	

* Ton per year limits are based on a 12-month rolling period. Pound per gallon limits are based on daily weighted average.

Miscellaneous:

The company has a solvent-less mask washer which uses steam and a detergent based cleaning agent and is exempt from permitting under Rule 281(e).

EVALUATION SUMMARY

Based on the inspection and information provided by the company, Enamelite is in compliance with PTI No. 46-14. Attached to this report are records used to demonstrate compliance.

NAME 

DATE 1/30/15 SUPERVISOR PAB