

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

*FY 2014 Insp*

U63141106626740

FACILITY: PPG Business Development Center	SRN / ID: U631411066
LOCATION: 28066 Oakland Oaks Court	DISTRICT: Southeast Michigan
CITY: Wixom	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 09/03/2014
STAFF: Iranna Konanahalli <i>IK</i>	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2014 Inspection of PPG Business Development Center	SOURCE CLASS:
RESOLVED COMPLAINTS:	

*E-file: U631411066 - SAR\_2014 09 03*

**PPG Business Development Center (U-63-14-11066)  
 28066 Oakland Oaks Court  
 Wixom, Michigan 48393-3348**

On September 3, 2014, I conducted a level-2 self-initiated inspection of PPG Business Development Center ("the company" or "PPG") located at 28066 Oakland Oaks Court, Wixom, Michigan 48393-3348. 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) rules.

During the inspection, Mr. Jeff Matauch (Phone: 248-347-3350; Cell: 313-590-2721; Fax: 248-347-1069; E-mail: jmatauch), Technical Sales Instructor Supervisor, assisted me.

This is a collision shop business development center for after-market automotive coatings (collision shops). It also provides collision shop painting training. There are total of five stacks.

**Prep deck**

One prep deck with downdraft filter is present. Auto body part sanding is done at the deck. The exhaust gases upon filtration are discharged to in-plant environment.

The deck is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(I).

**Spray areas (2)**

Two spray areas with back-draft filters are present.

**Downdraft spray booth**

One collision shop (size and type) booth equipped with down-draft dry filters is present. Intake air filter system is also present.

Less than 10 gallons per month of primer, basecoat, clearcoat coatings are used.

I asked Mr. Matauch 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 booths are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.287(c).

**Paint kitchen**

In the paint kitchen paints and solvents are stored. Bond-and-ground technique is used to prevent fire and explosion. In the paint kitchen, one aqueous and one solvent cold-cleaner (parts-cleaners) are present

**BECCA cleaner**

Water based detergent cleaner. The water is filtered and recycled / reused.

**2 ft. \* 1 ft. cold-cleaner**

One 2 ft. \* 1 ft. cold-cleaner is present. It is solvent tank type. The cold-cleaners are subject rule 336.611 or 336.1707 depending on if it is new or existing. A cold-cleaner is exempt from Rule 336.1201 pursuant to Rule 281(h) or Rule 285(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.

The Cold-cleaner is NOT Subject to: 40 CFR, Part 63, Subpart T, NESHAP/ MACT T, since solvents containing halogenated compounds are not used.

Pedal operated mechanically assisted lid was closed during the FY 2014 inspection. Operating procedures were not posted.

On September 3, 2014, I gave DEQ's decals for "cold-cleaner operating procedures" for posting and complying with work-practice rules. I asked the company to follow the common sense work practice in the procedures.

PPG proprietary solvent is used. Acrylic lacquer thinner (PPG 1-800-647-6050).

100% VOC solvent. Flash Point (FP) = 10 °F CC. Auto Ignition = NA °F. Boiling Point (BP) = 100 °F @ 760 mm Hg. Vapor Pressure (VP) = 134 mm Hg or 17.9 kPa at 68 °F. Specific Gravity (SG, Water = 1.0) = 0.8. Density ( $\rho$ ) @ 68 °F = 6.68 lbs. / gallon. Flammability range = 2 %v (LEL) – 6%v (UEL).

Based upon flash point and boiling point, this is highly volatile solvent.

All process equipment are used for training purposes.

**Conclusion:**

All paint spray booths and sanding booths are exempt from Rule 336.1201 (Permit-to-Install). The booths are used for training purposes.

NAME D. McManahall DATE 09/04/2014 SUPERVISOR CTE