

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

U-63-14-6495  
 FY 2017 Insp-

U6314649541065

FACILITY: Steve's Autobody		SRN / ID: U63146495
LOCATION: 57440 10 Mile Road, South Lyon		DISTRICT: Southeast Michigan
CITY: South Lyon		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 07/19/2017
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS: 
SUBJECT: FY 2017 inspection of Steve's Autobody ("Steve's")		
RESOLVED COMPLAINTS:		

U 63 14 6495 - SAR - 2017 07 19

**Steve's Autobody (U-63-14-6495)**  
**57440 10 Mile Road**  
**South Lyon, Michigan 48178-**

07 19

**Rule 336.1287(2)(c) - one rudimentary collision shop paint spray booth**

On July 19, 2017, I conducted a level-2 self-initiated **FY 2017 inspection** of Steve's Autobody ("Steve's"), 57440 10 Mile Road, South Lyon, Michigan 48178-. 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. Steve Lloyd (Phone: 248-446-7314), Owner and President, assisted me.

One collision stop style rudimentary paint spray booth (not down-draft; no intake air filters, instead floors are wetted to control dust that potentially can damage paint finish) with a back-draft dry filter system is present. Both water and solvent based paints are used. Paint usage records are not kept (only estimates based upon purchase records); Mr. Lloyd stated that less than 5 gallons of paints per month were used. Until now (July 2017) furnace filters were installed; see below for dual layer filter system.

During the FY 2017 inspection (July 19, 2017), the booth was not operating; i.e., no painting. Inexpensive furnace filters were installed and expected to operate properly. About July 2017, Mr. Lloyd purchased a roll of Finish Masters filters. I asked him to install filters in double layers: a primary front layer with inexpensive furnace filters and secondary back layer with expensive Finish Masters filters. Such a double layers arrangement would make filters work better (increased particulate removal efficiency) and, besides, save money by reducing overspray paint particulate load on Finish Masters filters.

I asked Mr. Steve Lloyd 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 336.1287(2)(c).

The booth is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1287(2)(c).

Upon keeping usage records (only purchase records are available; estimated usage 5 gallons per month including water), the coating booth meets all of the Rule 336.1287(2)(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.

During the prior complaint investigations in 2014-2015, Mr. Sam Liveson of AQD and I asked Steve Lloyd to paint while I conducted odor observations downwind of the paint spray booth, which is equipped with a backdraft dry filter system for overspray paint particles. I could barely detect solvent (while clearcoat is always solvent-based coatings, basecoat may either be water-based or solvent-based), odor (odor level 0-1) on low wind (3-5 mph) day at the downwind locations. On this day, stack was not present and discharge was downdraft; later (about July 2015) no-energy-loss rain protected vertical discharge stack was installed based upon AQD's information.

On May 22, 2015, Steve stated that he would install a vertical discharge stack by June 10, 2015. When I inspected on June 09, 2015, the stack was not installed yet. He stated that he would complete the installation by the end of the day (June 09, 2015). When I called him on June 10, 2015, he stated that he completed the installation on June 09, 2015.

Based upon June 23, 2015, inspection, Steve's installed a stack and Steve Lloyd stated that he would remove the rain cap and replace it with no-energy-loss rain protection with vertical discharge. On July 15, 2015, the rain cap was not removed. On July 23, 2015, I confirmed that rain cap was removed and a 5-foot-tall rain protection sleeve that allows vertically upward discharge of exhaust gases was installed in its place.

There are intense and aggressive disputes between the complainant and Steve's Autobody over trivia matters. Both are using police agencies, and the complainant is using MDEQ-AQD, to further their cause / interest in the ongoing disputes.

Per local Zoning, Steve's operates under non-conforming grandfathered clause; i.e. South Lyon at this time will not approve Steve's Collision Shop at this residential location. Lyon Twp. is not expected to enforce zoning violation any time soon due to some legal issues and costs.

### Conclusion

All complaints are resolved and it is concluded that the complaints are about neighborhood disputes.

### FYI

Mark Spencer (Phone: 248-437-2240), Zoning Administrator, Charter Township of Lyon, 58000 Grand River Ave., New Hudson, MI 48165

NAME 

DATE 8/14/2017

SUPERVISOR 