M4502 MAWILL

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

M450240726

W450Z407Z5		ODM (ID: M4500
FACILITY: THE COLLISION SHOP		SRN / ID: M4502
LOCATION: 12500 TELEGRAPH, TAYLOR		DISTRICT: Detroit
CITY: TAYLOR		COUNTY: WAYNE
CONTACT: Mike Beydun , Owner		ACTIVITY DATE: 07/18/2017
STAFF: Terseer Hemben	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Paint Spray Booth		
RESOLVED COMPLAINTS:		

SCHEDULED INSPECTION: THE COLLISON SHOP [aka TAYLOR COLLISION CENTER] (CS)

SRN M4502

PERMIT #-Exempt Rule 287(2)(c)(i) &(ii)

12500 Telegraph Road, Taylor, MI 48180

Present: Mike Beydun

Manager

Terseer Hemben

MDEQ

Facility Phone: 734-992-4304

Background:

The Collison Shop aka Taylor Collision Center (CS) operates a collision shop with a single car paint spray booth and body workshop. The Company has been in active business since 2008. The facility polishes automobile body part surfaces and paint sprays using a high transfer efficiency nozzle or equivalent. Painted parts are kept in the paint spray booth for curing. The booth has a down draft system lined with filters. The owner informed the operation is exempt from Rule 201(1) based on Rule 287(2)(c)(i) & (ii) due to efficient use of paint spray booth and low amount of paint usage per month. Prior inspections of the facility established the operation was exempt from Rule 201(1).

Inspection Narrative:

I arrived at the facility address on July 18, 2017 at 1430 hours. Purpose of the visit was to conduct a scheduled compliance inspection of the paint spray booth usage and metal surface polishing operation. Temperature at the hour was 84 F with wind speed 7 mph coming from the SSW, and humidity was 47%. I met Mr. Beydun, the owner, who welcomed my visit. We settled down to a pre-inspection interview. Mr. Beydun informed nothing had changed at the facility with regards to operating conditions. We examined the equipment, stack, records, and concluded my visit with a post inspection conference. Mr. Beydun sent copies of paint spray booth and maintenance records to AQD via facsimile transmission timely. Records are attached. I left the area at 1525 hours.

Process Description:

The CS is located in a strategic area where tier 2 auto dealers operate. CS provides body repairs and paint touch up for vehicles that involve in minor collision or scratches. The paint shop has an indoor metal polishing work area. Particulates generated from the sanding/polishing operation fall into the work area. Regulatorily, this operation is exempt under Rule 285(2)(I)(vi)(B). Polished body parts are spray painted in the booth equipped with downdraft exhaust and dry filters. The dry filters are regularly replaced. This operation is exempt under Rule 287(2)(c)(i) & (ii). Records justifying the exempt status are attached.

Equipment Controls:

The controls for the spray booth operation are built in the equipment itself. For example, the high transfer efficiency quality of paint nozzle, the specifications on filters used for capturing, the draft pull capability and the auto control of booth built in for malfunction abatement add to an effective control of the system. Filters are regularly changed by a contracting company that replaces and disposes the waste off-site. The water based paint reduces the contents of pollutants such as VOC cum HAPs. The air exiting from filters is discharged to the ambient through the stack set to discharge at 35 feet from the gradient.

Compliance History:

There has not been any complaint attributed to CS operations since 2014

Regulatory Summary:

Permit # Exempt Rule 287(2)(c)(i) & (ii); Rule 285 (2)(I)(vi)(B) considerations:

Paint purchase records submitted for the months of January and February 2017 indicated the paint usage was less than 200 gallons per month. This validated the exempt status [Attachment Pgs. 2-9].

Rule 201 (1): The facility has not made any modification or change to the process or equipment since installation was completed consistent with Rule 201(1).

(b) The Sanding process takes place in the shop where particulates generated from the process are discharged in the work area. The sanding process is exempt per Rule 285 (2)(I)(vi)(B).

Rule 301, 901 and Rule 910: the installation of paint spray booth with down draft filters operation and maintained in a satisfactory manner ensured compliance with the rules.

Rule 370 (1): This rule states in part: "Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner to minimize the introduction of contaminants to the outer air". CS maintains the filters by regular replacement and disposal in appropriate manner. Maintenance records are attached [Attachment Pg. 1]

Opacity: There was no visible emissions from the operation of paint spray booth at the time of inspection.

Compliance Determination:

The inspection of Collision Shop located at 12500 Telegraph Road, Taylor concluded the facility operated in compliance with air quality requirements.

NAME #4

DATE 8 14 2017 SUPERVISOR JK