

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

N318150666

FACILITY: World Truck and Auto Body		SRN / ID: N3181
LOCATION: 3945 S Bluestar Dr, TRAVERSE CITY		DISTRICT: Cadillac
CITY: TRAVERSE CITY		COUNTY: GRAND TRAVERSE
CONTACT: Jeff Brackett , President		ACTIVITY DATE: 09/04/2019
STAFF: Caryn Owens	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Inspection and Records Review		
RESOLVED COMPLAINTS:		

On Wednesday, September 4, 2019, Caryn Owens of the Department of Environment, Great Lakes and Energy (EGLE) – Air Quality Division (AQD) inspected World Truck and Auto Body (SRN: N3181) 3945 South Blue Star Drive in Traverse City, Grand Traverse County, Michigan. The site is located on the south side of South Blue Star Drive, approximately 1/10 mile east of M-37 and consists of two buildings on the property. The field inspection and records review were to determine compliance with Permit to Install 990-91. The site is currently a minor source of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs).

Summary:

The activities covered during the field inspection and records review for the facility indicates the facility was in compliance with PTI 990-91, and no additional actions are necessary at this time. Specific permit conditions that were reviewed are discussed below.

On-site Inspection:

During the field inspection it was mostly cloudy, 60 degrees Fahrenheit with wind speeds between 5 to 10 miles per hour out of the north. I met with Mr. Jeff Brackett, the Property owner, for a facility inspection and records review. Mr. Brackett accompanied me through the facility to observe the permitted emission units and associated processes. The facility is used as a commercial truck auto body and repair facility and contains two paint booths. The spray paint booths are equipped with dry filters for particulate control and the facility uses HVLP guns to apply the paint since they are the most efficient. I did not access the pole building behind the main building at the site, which reportedly contains sandblasting equipment. No sandblasting or painting operations were taking place when I arrived on site. I did not hear sandblasting taking place nor see visible emissions. The sandblasting equipment has not been permitted, as of the date of this inspection report AQD has not received any complaints regarding the sandblasting operations and they could be sandblasting under exemption Rule 336.1285(l)(vi) in AQD's Air Pollution Control Rules. According to Mr. Brackett the facility uses one-quart to one-gallon containers of paint. The thinners and cleaners come in one to five-gallon containers. The paint was stored outside of the paint booth on shelves. The facility is painting approximately 10 hours per week. A distiller is located on site for the extra paint and the remainder is disposed in the dumpster.

Records Review:

I. Emission Limits:

The emission limit for VOCs is 26.75 pounds per hour and 2.0 tons per year. Based on the records from September 2018 through August 2019, the VOC emissions reported for the facility were approximately 1.7 lbs per hour and 1.8 tons per year. Additionally, the maximum usage rate is limited to 500 gallons per year and 100 gallons of cleanup solvent. Based on the records, the facility reported 817 gallons from September 2018 through August 2019 and approximately 7.2 gallons of catalyst usage and 10 gallons of cleanup solvent. After talking with Mr. Brackett, he was directed to use the hourly rate and multiply it based on a 40 hours per week, 52 weeks per year work schedule which isn't representative of the usage rate at the facility. According to Mr. Brackett, they operate the paint booth on average 10 hours per week, but looking at the calculations at a worse case of 20 hours per week the yearly coatings usage would be 408 gallons per year and in compliance with their yearly coatings usage.

II. Material Limits:

Material Limits are not applicable.

III. Process/Operational Restrictions:

During the inspection, I observed exhaust filters in the paint booths, and they appeared to be operating properly. According to Mr. Brackett the filters are changed approximately 30 to 60 days on a as needed

basis.

IV. Design/Equipment Parameters:

Design/Equipment Parameters are not applicable.

V. Testing/Sampling:

Performance testing has not been completed at this facility.

VI. Monitoring/Recordkeeping:

DEQ observed the paint area where each coating is stored. This is considered a minor source, and majority of the records are based off purchase orders of paint and hours of operation.

The disposal of the waste coatings, catalysts, and cleanup solvents go into a distiller at the site and reclaimed. The spent filters and paint cans are disposed of in the dumpster at the facility.

VII. Reporting:

Reporting requirements are not applicable.

VIII. Stack/Vent Restrictions:

The stack heights appeared to be in compliance with the PTI diameters and heights.

IX. Other Requirements:

The facility has not submitted appreciable change notification for approval by AQD.

NAME Caryn Owens DATE 9/4/19 SUPERVISOR SN