

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

N312947769

FACILITY: LANZEN FABRICATING NORTH, INC.	SRN / ID: N3129
LOCATION: 611 NE LIMITS, MANCELONA	DISTRICT: Cadillac
CITY: MANCELONA	COUNTY: ANTRIM
CONTACT: Marvin Seaman , General manager	ACTIVITY DATE: 12/13/2018
STAFF: Caryn Owens	SOURCE CLASS: MINOR
SUBJECT: Scheduled Inspection and Records Review	
RESOLVED COMPLAINTS:	

On Thursday, December 13, 2018, Caryn Owens of the DEQ-AQD conducted a scheduled field inspection of Lanzen Fabricating North, Inc. (SRN: N3129) located at 611 NE Limits Avenue in Mancelona Township, Antrim County, Michigan. More specifically, the site is located east of North Williams Street (US-131), and approximately 1/10 mile south of Valley Road and NE Limits Avenue intersection. The facility is located on the west side of NE Limits Avenue. The field inspection and records review were to determine compliance with permit to install (PTI) 259-93. This facility is currently considered a minor source, since the facility's potential to emit is less than 100 tons of volatile organic compounds (VOCs) per year. Additionally, the facility is considered an area source of Hazardous Air Pollutants (HAPs), since the facility is one that has the potential to emit less than 10 tons of any single HAP or 25 tons of all HAPs combined.

Evaluation Summary

The activities covered during this field inspection and records review appear to be in compliance with PTI 259-93. Review of the records for the facility indicates the facility was in compliance with emission limits in accordance to the PTI. No further actions are necessary at this time. Specific permit conditions that were reviewed are discussed below.

Source Description:

DEQ was accompanied by Marv Seaman, the Plant Superintendent, during the field inspection. The facility consists of one large industrial building and associated parking lot. The weather conditions were cloudy, with calm winds, and approximately 33 degrees Fahrenheit. The facility manufactures parts for military vehicles. The parts go into a washer, then a dryer that was operating at 250 degrees Fahrenheit during the inspection. The parts then go to two primer paint booths and two top coat paint booths. The paint booths are manual spray and controlled by a water wash system and filtered air blows the painting process toward the water bath. They have two booths for each process because they have one facing one way and the other facing the opposite with a painter in each. One paints one side and the other gets the back side.

After the parts are primed, they go into a flash off oven that was operating at 150 degrees Fahrenheit during the inspection, and then go into another paint booth for a top coat. The facility uses High Volume Low Pressure (HVLP) hand held spray guns. There is only one 40 to 50-hour shift operating per week, and the operators keep a daily log of how much and what type of paint used each day. The solvent used to clean the guns is recycled in a small 5-gallon capacity still. The still bottoms are collected in 55-gallon drums and shipped out. DEQ observed the paint room that contained 55-gallon drums, 5-gallon containers, and 1-gallon containers containing high solid paints. The paints are added and mixed in a 5-gallon container that is brought to the paint booth for application. During the inspection, no visible emissions were observed from the stacks.

Records Reviewed

- Emission Limits:** Emission rates from each spray booth shall be less than 2,000 pounds per month nor 10 tons per year. Based on the records reviewed from December 1, 2017 through November 30, 2018, the highest VOC emission rate reported was from Booth 4 at 425.25 pounds per month, which is 0.21 tons per month. Additionally, based on the records reviewed, the cumulative emission rate from the four spray booths were reported as 12,067 pounds per year, which is 6 tons per year and below the permitted limits. During the field inspection, no visible emissions were observed from the four paint booths nor from the stacks of the paint booths.
- Material Limits:** No Material Limits are applicable for this source.

- **Process/Operational Parameters:** No Process/Operational Parameters are applicable for this source.
- **Design/Equipment Parameters:** During the inspection the four spray booths appeared to have the water wash systems operating properly.
- **Testing Requirements:** No Testing Requirements are applicable for the facility.
- **Monitoring/Recordkeeping:** The facility has daily logs that are entered for monthly totals of the amount of each paint that is used in each booth. Additionally, the facility keeps records of the VOCs per gallon of each coating, the density of the VOC portion (minus water) of the coatings, and the density of each coating. The records are used to calculate the monthly emission rates of each booth.
- **Reporting:** No Reporting Requirements are applicable for this facility.
- **Stack/Vent Restrictions:** Based on visible observations during the field inspection, the stacks of the spray booths appeared to be within the permitted limits.
- **Other Requirements:** No Other Requirements are applicable for this facility.

NAME

Caren Owens

DATE

12/3/18

SUPERVISOR

SN