

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

B241942265

FACILITY: PRECISE COMPANIES		SRN / ID: B2419
LOCATION: 2605 THORNWOOD SW, WYOMING		DISTRICT: Grand Rapids
CITY: WYOMING		COUNTY: KENT
CONTACT: Rick Lemson , President		ACTIVITY DATE: 11/02/2017
STAFF: Adam Shaffer	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled unannounced inspection.		
RESOLVED COMPLAINTS:		

Air Quality Division (AQD) staff Adam Shaffer (AS) arrived at the facility at 1:45 pm on November 1, 2017 to complete a scheduled inspection. The weather conditions were mostly cloudy, low 40's°F and a south wind at 5-15 mph. Upon initial arrival, it was concluded that no management was onsite to assist in an inspection of the facility. After speaking via phone with Mr. Rick Lemson, CEO, it was agreed that the inspection was to be completed the following day. AQD staff AS arrived at the facility the following day at approximately 9:00 am.

Facility Description

Precise Companies (PC) is a manufacturing facility that offers a wide range of services from CNC routing to wood powder coating. The site does not operate with a permit; however, instead utilizes exemptions for all on site processes.

Compliance Evaluation

No visible emissions and/or odors were identified prior to entering the facility on November 1 & 2, 2017. Upon entering the facility, AQD staff AS met with Mr. Lemson. The purpose of this inspection was briefly discussed and followed with a walk through of the facility and a closing discussion.

The following observations were made throughout the walk through of the facility.

- Two wood powder coating lines with associated ovens were observed on site. One powder coating line was stated by Mr. Lemson to be offline and no longer in use. The second powder coating line was in use at the time of the inspection. Fabric filters are utilized, and the powder coating line appears to be exempt per Rule 287(2)(d).
- Eight Computer Numerical Control (CNC) machines were observed in operation on site. The CNC machines are connected to a small exterior baghouse / dust collector. The particulate matter is collected in an adjacent waste bin and emptied every 6-8 weeks. The CNC machines appear to be exempt per Rule 285(2)(I)(vi)(c).
- Three ink jet printers (two smaller units and one larger unit) were observed during the inspection. The three printers utilize UV based inks. Monthly purchase records from September 2016 through September 2017 were requested and reviewed for each ink jet printer to determine the monthly usage rates. It was verified with PC staff that all inks purchased are used. Based on the records reviewed, PC monthly usage rates are well within the 200 gallons a month limit, and the three ink jet printers appear to be exempt per Rule 287(2)(c).
- One wet coating spray booth was observed on site. Dry filters were observed in place at the time of the inspection. Mr. Lemson stated the filters are changed as needed. Monthly purchase records from September 2016 through September 2017 were requested and reviewed for the spray booth to determine the monthly usage rate. It was verified with PC staff that all coating materials purchased are used. Based on the records reviewed, the monthly usage rate is well within the 200 gallons a month limit, and the spray booth appears to be exempt per Rule 287(2)(c).
- One miscellaneous department was observed with several pieces of equipment used for cutting and drilling plastic parts. Emissions from these pieces of equipment are released into the general in-plant environment. The equipment observed in this room appears to be exempt per Rule 285(2)(I)(vi)(B).

- A plastic fabrication area was observed during the site inspection where heat bending equipment was observed. Following the onsite inspection, a phone conversation was completed with Mr. Todd Walters, Project Engineer, on November 21, 2017. It was identified that as well as heat bending, solvent welding and flame polishing is also completed on products.
 - o The heat bending process is when plastic parts are heated enough to be pliable and are then bent to the desired shape. After speaking with Mr. Walters on this process it does not appear there is a potential for emissions from this process.
 - o The flame polishing process is when plastic part edges are polished. This process appears to be exempt per Rule 285(2)(1)(vi)(B).
 - o The solvent welding process was stated by Mr. Walters to be when PC takes a syringe and runs a bead of glue along two parts. Mr. Walters stated they use less than one gallon a month. Based on this, it appears this process is exempt per Rule 287(2)(c).

- No emergency generators or boilers are utilized on site.

Conclusion

A final discussion was held with AQD staff and Mr. Lemson. Based on the review of the records provided and the facility walk through, PC is in compliance with all applicable air pollution rules and regulations at this time.

NAME Adam E. Griffin

DATE 11/21/17

SUPERVISOR 