

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

P091644320

FACILITY: Rapid Line, Inc.		SRN / ID: P0916
LOCATION: 1475 Gezon Parkway SW, GRAND RAPIDS		DISTRICT: Grand Rapids
CITY: GRAND RAPIDS		COUNTY: KENT
CONTACT: Mike Helms , Financial Manager		ACTIVITY DATE: 04/12/2018
STAFF: Adam Shaffer	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: Minor
SUBJECT: Scheduled, unannounced inspection.		
RESOLVED COMPLAINTS:		

Air Quality Division (AQD) staff Adam Shaffer (AS) arrived at the facility at 10:45 am on April 12, 2018 to complete a scheduled, unannounced inspection. The weather conditions were partly cloudy, winds from the west/southwest at approximately 20-25mph, and middle 40's°F.

Facility Description

Rapid-Line, Inc (RL) is a metal fabrication company. RL formerly was located at 4900 Clyde Park SW, Grand Rapids, MI 49509. It was verified during the inspection that the company has since then relocated entirely to their current location at 1475 Gezon Parkway SW, Grand Rapids, MI 49509. Additionally, the equipment has also been relocated to their current location and will be discussed further in this report. Based on this, the permit to install (PTI) No. 69-95 and PTI No. 947-92 for the previous location will be voided. Records reviewed indicate the facility has never been inspected.

Compliance Evaluation

Prior to entering the facility, offsite odor and visible emission observations were completed. No visible emissions or odors were noted. Upon entering the facility, AQD staff AS met Mr. Mike Helms, Financial Manager and Ms. Ramona Saffiuc, Human Resources & Safety Coordinator. Mr. Helms and Ms. Saffiuc provided a tour of the facility, with Mr. Helms also providing information regarding site operations. Several additional RL staff throughout the course of the inspection helped answer specific site questions.

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

- The building adjacent to the west is used by RL strictly for storage purposes.
- Several laser cutting machines were observed during the inspection and are used to cut metal parts such as aluminum and stainless steel. Machines observed were connected to Torit dust collectors. Emissions following the dust collectors were observed to be vented internally and/or externally. Mr. Helms stated that emissions vented externally must also pass through a filter following the dust collectors. Particulate from the dust collectors is collected in 55-gallon containers and disposed of as needed. The laser cutting machines appear to be exempt per Rule 285(2)(l)(vi)(B) or Rule 285(2)(l)(vi)(C).
- Several brake press machines were observed where metal parts are bent to the appropriate shape. The brake press machines observed appear to be exempt per Rule 285(2)(l)(i).
- A metal press brake machine used for metal punching was observed and appears to be exempt per Rule 285(2)(l)(vi)(B).
- A water jet operation was observed during the inspection. During this process pressurized water is used to cut materials such as glass. The water jet operation appears to be exempt per Rule 285(2)(l)(vi)(B).
- The Blu-Serf burn off oven with an associated afterburner was installed in the early 2000s, and never permitted, which is a Rule 201 violation. A violation notice (VN) will be sent. The burn off oven vents externally. Speaking with RL staff this oven is used approximately once a day and used to burn off powder coated racks and hooks. The oven is 780,000 Btu/hr in size and uses natural gas. A digital temperature display gauge for the primary chamber and afterburner chamber was observed in the burn off oven. The setpoints for the primary chamber and afterburner chamber are 800°F and 1,500°F respectively.
- One powder coating line was observed in operation. Prior to powder coating the parts proceed through a five-stage wash system. Several stacks were observed for the five-stage washer to be venting externally. Upon further discussion with Mr. Helms, the emissions from the five-stage washer could not be definitively verified. It was concluded that RL will provide information to verify emissions, if any, from this piece of equipment in the VN response. The powder coating area consists of two manual spray stations. Filters identified appeared to be in good condition. The powder coating line and associated ovens appear to be

- exempt per Rule 287(2)(d).
- Various metal cutting machines were observed throughout the inspection. Emissions captured are vented internally. The metal cutting machines appear to be exempt per Rule 285(2)(1)(vi)(B).
 - A metal finishing area was observed where parts following welding are buffed, finished and polished. This area appears to be exempt per Rule 285(2)(1)(vi)(B).
 - During the inspection the rooftop was accessed. Several stacks were observed mainly around the powder coating line.
 - A nitrogen tank was observed along the exterior portions of the facility that is for the associated welding stations. The tank appears to be exempt per Rule 284(2)(j).
 - Several welding stations were observed and appeared to be exempt per Rule 285(2)(i).
 - Several stamping presses were observed during the inspection that appear to be exempt per Rule 285(2)(1)(i).

Conclusion

A final discussion was held between AQD staff AS and Mr. Helms. Potentially applicable exemptions were discussed at length for onsite equipment mentioned above. Based on the facility walkthrough and observations made, RL is not in compliance. A VN will be sent for the following violation identified:

- The Blu-Serf burn off oven with an associated afterburner observed on site is in operation without a permit, which is a Rule 201 violation.

NAME

Adam F. Smith

DATE

05/02/2018

SUPERVISOR

[Signature]