

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection**

N322336118

<b>FACILITY:</b> GRAND RAPIDS STRIPPING CO		<b>SRN / ID:</b> N3223
<b>LOCATION:</b> 1933 WILL AVE NW, GRAND RAPIDS		<b>DISTRICT:</b> Grand Rapids
<b>CITY:</b> GRAND RAPIDS		<b>COUNTY:</b> KENT
<b>CONTACT:</b> Jeffrey Newberry , President		<b>ACTIVITY DATE:</b> 08/24/2016
<b>STAFF:</b> Kaitlyn DeVries	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> The purpose of this inspection was to determine compliance with PTI NO. 290-07A, all other applicable air quality rules and regulations, and investigate the complaints that were received.		
<b>RESOLVED COMPLAINTS:</b> C-16-02149, C-16-02170		

On Wednesday August 24, 2016 AQD Staff Kaitlyn DeVries (KD) conducted an unannounced, self-initiated inspection of Grand Rapids Stripping Co. The purpose of this inspection was due to complaints received about plumes of smoke emanating from the facility, and to determine compliance with PTI No. 290-07A and all other applicable air quality rules and regulations.

KD had received two (2) complaints about excess smoke from the facility. The complainant indicated that sometimes the smoke will make them cough and have itchy eyes. KD responded to the second complaint with an on-site investigation since the complainant stated it was occurring at that time.

KD arrived on site approximately 20 minutes after the complaint was received, arriving at 9:30 am. Conditions were cloudy, 68 F, 82% humidity with a SSE wind at 10 mph. Prior to entry to the facility, KD observed the facility for odors and opacity; none were noted. However, slight odors were noticed upon entrance into the facility.

#### *Facility Description*

Grand Rapids Stripping Co. (GRSC) strips off grease, oil, and cured paints (primarily powder coating) from metal parts that come from one of the several chair manufacturing facilities in the Grand Rapids Area. GRSC operates approximately two (2) loads per day, five - six days per week.

#### *Regulatory Analysis*

GRSC currently holds one (1) PTI No. 290-07A and is not subject to any federal regulations at this time.

#### *Compliance Evaluation*

KD met with Mr. Jeffery Newberry, President, who had recently acquired the facility. Upon explanation of her visit, Mr. Newberry showed KD the three (3) ovens. Only two (2) of the three ovens were operating at the time of the inspection. All three ovens (EU-Blu-Surf, EUBORNOFF2, and EUBORNOFF3) are part of the flexible group FG-BURNOFF. All of the ovens are equipped with afterburner control. EU-Blu-Surf was the oven that was not operating at the time of the inspection. Per Mr. Newberry, GRSC utilizes only natural gas as the fuel source for heating the ovens, and does not process any material other than cured paints, oils or grease on the metal parts. They also do not process any PVC, Teflon, or plastisol.

The two (2) ovens that were operating, were running at 1479 and 1431 degrees F, per the LCD screens. This is above the minimum temperature of 1400 F. KD reviewed the circular disc chart records on site, and the ovens appeared to be running at proper temperature; furthermore, GRSC was properly documenting the batch start and stop times, dates, and loads. KD did, however, note a couple of dips in the temperature and asked Mr. Newberry about them. Mr. Newberry explained that this was due to a malfunction in the oven, which then would trigger the interlocking system and would subsequently shut the oven down. Mr. Newberry said that when this occurs, he, or one of his staff, would then re-start the oven. KD tasked Mr. Newberry about any smoke or excess opacity that would come from the stacks. Mr. Newberry admitted, that there may be some smoke at times, and this typically occurs during start-up. He continued on to say that they do allow the afterburner temperature to get up to temperature before starting the cycle. Short-term decreases in the afterburner temperature are allowed in their permit per Special Condition III.3, as long as it doesn't last for more than 40 minutes nor the temperature dropping below 1200 F during that 40 minutes. KD suggested that Mr. Newberry, or one of his staff, make observations of the stack upon start-up to try and identify any potential issues. Mr. Newberry also explained that they have some upcoming scheduled maintenance of the ovens, including replacing some of the insulation,

which may help with the temperature issues.

Both of the operating ovens were last calibrated in June, 2016 and appeared to be properly operating. The stack dimensions, while not explicitly measured, had not appeared to have changed.

*Compliance Determination*

Based on the observations made during the inspection and a review of the records on site, it appears as if Grand Rapids Stripping Co. is in compliance with PTI No. 290-07A and all applicable air quality rules and regulations. KD considers the complaints to be resolved.

NAME Karilyn DeLu

DATE 9/6/2016

SUPERVISOR [Signature]