

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

P100250492

FACILITY: Van der Graaf Corporation		SRN / ID: P1002
LOCATION: 13771 Cavaliere Drive, SHELBY TWP		DISTRICT: Southeast Michigan
CITY: SHELBY TWP		COUNTY: MACOMB
CONTACT: Corey Johnson , Plant Manager		ACTIVITY DATE: 08/06/2019
STAFF: Joe Forth	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: Minor
SUBJECT: On-site Inspection		
RESOLVED COMPLAINTS:		

On August 6, 2019, AQD staff Joseph Forth, conducted a self-initiated inspection of Van der Graaf Corporation, State Registration Number (SRN): P1002, located at 13771 Cavaliere Dr, Shelby Charter Twp, MI 48315. The purpose of this inspection was to determine the facility's compliance with the Federal Clean Air Act Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended, and Michigan's Air Pollution Control Rules, Permit to Install (PTI) No. 193-16.

I arrived at the facility at 9:30 am. I met with Corey Johnson, Plant Manager. I presented my credentials and stated the purpose of the inspection.

Van der Graaf manufactures drum motors and conveyor systems for various industries such as: food, pharmacy, coal mining, and airports. The facility has approximately 18 employees. The hours of operation are Monday-Friday 7:30-3:45pm. The company has just recently moved to this address in the past 12 months. The facility has a variety of different machines used for their work. The machining equipment includes lathes, CNC machines, and vertical mills. There are small amounts of wood working done. Both wood and metal work are vented to the in-plant environment and thus exempt from permitting per R285 (2)(I)(vi)(B).

The facility has a permitted natural gas burn-off oven. The permit was issued for the facility's old SRN/address. Van der Graaf had been considering whether or not they wanted to install the burn-off oven at this new address. Currently the equipment is located in the building but is not installed (no exhaust stack or fuel line). Mr. Johnson explained to me that Van der Graaf has decided that it is more cost effective to contract out the work the oven would perform and are now planning to sell the oven. I have sent a request to the AQD permit section to have the permit voided.

There is also a small coating booth which has an air pull vacuum on it. The air pull is filtered and vents to the in-plant general environment. A pressure gauge measures the pressure differential, during the inspection the pressure monitor was at 0.25 inches of water. Mr. Johnson explained that they typically replace the filters in the booth when pressure reads 1.0 inches of water. The spray booth appears to be exempt from permitting per R287(2)(c), as the usage is believed to be below 200 gallons once they reach full production. I instructed Mr. Johnson that Van der Graaf will need to keep records of the usage in order to qualify for this exemption. The facility also has a powder coating booth controlled by dry filters on the back wall, this process also exhausts to the in-plant environment. The powder coating booth appears to be exempt from permitting per R287(2)(d).

There is also a cold cleaner in the building. The cold cleaner does not seem to use any VOC containing solution or contain any Hazardous Air Pollutants (HAPs). Mr. Johnson stated it uses the same alkaline detergent as identified during the last inspection. The cold cleaner appears to be exempt from permitting per R281(2)(h).

The facility has installed a new curing oven, which they use to cure Urethane on metal parts. Because it has an exhaust to the ambient air, this process requires a permit. Mr. Johnson said he was unaware as he figured the emissions to be fairly small as the material is mostly dry going into the oven. However, he said Van der Graaf would be willing to get a permit. AQD has decided to not issue a violation notice if Van der Graaf apply for a permit by the end of September 2019.

Van der Graaf appears to not be operating in compliance with the Federal Clean Air Act Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended, and Michigan's Air Pollution Control Rules. However, the VN won't be issued if the permittee gets a permit for the curing oven by the end of September 2019.

NAME Paul M. [Signature]

DATE 9-17-19

SUPERVISOR SIC