DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION AIR QUALITY DIVISION ACTIVITY REPORT: On-site Inspection

U7007003265618

RESOLVED COMPLAINTS:		
2NBJECT: FY '23 inspection to determine compliance with applicable air quality rules and regulations.		
SOURCE CLASS:	COMPLIANCE STATUS: Compliance	STAFF: Chris Robinson
ACTIVITY DATE: 12/01/2022	CONTACT: Dennis Bhaskaran , President	
COUNTY: OTTAWA		CITY: Grand Rapids
DISTRICT: Grand Rapids	sbiqsA briand	LOCATION: 11420 First Avenue, NW, G
SRN / ID : U70070032	Corp	FACILITY: Apex Spring and Stamping, 0

Apex Spring and Stamping (U70070032) is located at 11420 First Avenue Northwest in Grand Rapids, Michigan. This facility is a manufacturer of springs, stampings, wire forms and assemblies.

The facility was inspected by Michigan's Department of Environment, Great Lakes, and Energy (EGLE) Air Quality Division (AQD) on December 1, 2022, by AQD staff Chris Robinson. The purpose of the inspection was to determine compliance with respect to applicable State and Federal air quality rules and regulations. Upon arrival CR surveyed the perimeter of the facility for odors and visible emissions, none were observed. CR then entered the facility and met with Dennis Bhaskaran, CEO/COO. Dennis was provided identification and notified of the purpose of the visit.

The process remains the same however they have taken places since the last inspection (2008) were discussed. According to Dennis, the process remains the same however they have more equipment. The previous inspection report noted they had approximately 20 slides, 10 punch presses, and 6 spring coilers. The facility now operates approximately 20 slides, 13 punch presses, and 5 spring coilers which all appear to be exempt from Rule 201 permitting requirements per Rule 285(2)(1)(i). Once the springs are made, they are sent through an electric oven that heats the springs to approximately 600° F to allow for stress relief from the made, they are sent through an electric oven that heats the springs to approximately 600° F to allow for stress relief from the manufacturing process. There are approximately 100° L of these ovens in use with approximately 10° ovens added since the 10° to show the solility has claimed these as being exempt from Rule 10° permitting requirements per Rule 10° and 10° in the 10° solility has claimed these as being exempt from Rule 10° permitting requirements per Rule 10° solility himits inspection. The facility has claimed these as being exempt from Rule 10° permitting requirements per Rule 10° solicity limits amoughly which limits 10° solicity is based on the 10° solicity and 10° solicity solicity solicity which is based on the 10° solicity soli

A - Cutting Oil Usage = 8.33 gallons/month B - Cutting Oil Density = 0.998 C - Specific Gravity of Water = 8.33585 lbs./gallon

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Per Mr. Bhaskaran the 10 newer ovens were added one at a time and as needed. Therefore, the installation of each represents its own project for evaluating significance. Since Rule 290 is now federally enforceable, which it was not during the 2008 inspection, the PTE for these ovens equals actual emissions which is 6 tons of VOCs per unit. The significance threshold for VOCs is 40 tpy per project. Since these units were added as needed and are considered to be individual projects the 40 tpy significance threshold has not been exceeded and these emission units are still eligible to use Rule 290.

Apex has three cold cleaners that are maintained by Crystal Kleen. No standing solvent was present in the tank and the air /vapor interface is less than 10 square feet; therefore, these appear exempt per Rule 281(2)(h).

Based on observations, discussions, and records, Apex Spring and Stamping Inc. appears to be operating in compliance with applicable air quality rules and regulations.

SUPERVISOR

