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

B703724284

FACILITY: SPECTRUM INDUSTRIES INC		SRN / ID: B7037
LOCATION: 700 WEALTHY SW, GRAND RAPIDS		DISTRICT: Grand Rapids
CITY: GRAND RAPIDS		COUNTY: KENT
CONTACT: Tim Braniff, Senior Vice President		ACTIVITY DATE: 02/11/2014
STAFF: April Lazzaro	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, scheduled inspection.		
RESOLVED COMPLAINTS:		

Staff, April Lazzaro arrived at the facility to conduct an unannounced, scheduled inspection and met with Tim Braniff, Senior Vice President. Mr. Braniff indicated that Burt Thurston was the environmental contact, however he was at a different facility today. Staff provided Mr. Braniff with the DEQ Environmental Inspections: Rights and Responsibilities brochure and discussed its contents. Mr. Braniff was informed that this was a routine inspection to conduct a physical tour and collect recordkeeping for determining compliance with permit limits.

Spectrum Industries, Inc. E-coat Division operates under two Permits to Install. One is 547-95A which covers a metal e-coat line and the other is 168-98 which covers a conveyORIZED burn-off oven. Two boilers are present, while boiler one has been decommissioned. Boiler two is an 8.3 mmBtu/hr unit that provides heat and steam for the plant. It was installed in 1996 and based on the size is not subject to NSPS Dc.

The e-coat metal automotive parts coating line consists of an conveyORIZED 11 stage cleaning/pre-treat system and cathodic epoxy HAP-free paint dip application and associated dehydrator and cure oven. Spectrum continues to utilize the Powercron 590 and PPH in the e-coat line. PPH usage for 12-month rolling time period of January-December 2013 was 1,404.30 gallons and below the limit of 1,500 gallons. Spectrum provided VOC recordkeeping (attached) that details VOC emissions for the 12-month rolling time period of January-December 2013 was 19.20 tons and below the limit of 28.0 tons. Monthly emissions data was provided as well for review. The coating mix ratio is monitored daily, and the 1.0 lb/gal minus water as applied limit does not appear to be an issue.

Spectrum currently does not utilize purge or clean-up solvents in the e-coat line. There have been no stack changes made.

The Blu-Surf conveyORIZED burn-off oven was observed. Racks go into the oven and the epoxy e-coat is burned off through a direct flame that is required to be maintained at 1,200°F (+/- 50°F) averaged over a consecutive three hour period. The temperature setpoint is 1,205°F, and the current chart appeared to demonstrate compliance. During the inspection, staff noted and discussed with Mr. Braniff the ash that was flying around in the room. I asked if Spectrum has observed it going out the stack, and was told that the facility consultant, Kelli Piper of FTC&H conducts routine roof surveillance and has not mentioned ash emissions. Due to weather conditions, a roof inspection was not conducted, but may be done in the future.

Staff did not observe any compliance issues during the physical inspection and related that to Mr. Braniff during the closing conference. He provided the contact information for Mr. Thurston who provided required records promptly when requested.

A review of two weeks temperature strip charts, including one dated 1-26-14 shows non-compliance with the temperature requirement of PTI No. 168-98. Staff inquired with Mr. Thurston to see if the process was cleaning racks during the timeframe in question and he replied that it was in use at the time of the issue. Therefore, a Violation Notice will be issued for failure to maintain the required oven temperature.

The facility was in non-compliance at the time of the inspection.

NAME *Paul Longman*

DATE *2-19-14*

SUPERVISOR *PAB*