

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

N526626774

FACILITY: NOR COTE, INC.		SRN / ID: N5266
LOCATION: 11425 TIMKEN, WARREN		DISTRICT: Southeast Michigan
CITY: WARREN		COUNTY: MACOMB
CONTACT: Rick Verfaillie , Plant Manager		ACTIVITY DATE: 08/21/2014
STAFF: Robert Elmouchi	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

On August 21, 2014, I conducted an unannounced scheduled inspection of Nor Cote, Inc. located at 11425 Timken, Warren, Michigan. This facility is uniquely identified by the Air Quality Division with the State Registration Number (SRN) of **N5266**. The purpose of this inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; the conditions of Air Use Permit to Install (PTI) Nos. 350-94B and 97-06.

PTI 350-94B is a synthetic minor opt out permit approved on May 18, 2010. PTI 97-06 is a general surface coating permit approved on March 23, 2006. Nor Cote had submitted their most recent 208a registration on March 14, 2014, but this is not necessary because PTI 350-94B establishes legally enforceable particulate and HAP limits below Title V thresholds, and PTI 97-06 establishes legally enforceable VOC limits below Title V thresholds.

Nor-Cote is a heat treating facility. Machined metal product, provided by customers, is annealed (stress relieved) in one of seven natural gas fired furnaces. The stressed metal is heated to about 1200 degrees F and then slowly cooled to ambient temperature. The annealing process takes from 24 to 36 hours. Scale, which is formed on the metal surfaces during annealing, is removed by grit blasting. Grit blasting is either performed manually in an enclosure or in one of three wheel abraders. After grit blasting, the items may be coated with a primer and possibly followed with a color coat finish depending upon the customer's order. Coating use records submitted with the company's 2013 MAERS report indicates that more than 80% of the surface coating applied was gray primer.

I entered the facility introduced himself to Mr. Rick Verfaillie, Plant Manager, and explained the purpose of the inspection. Mr. Stanley Grouse and Mr. Chris Grouse were not on site during this inspection.

The spray booths were not in operation during the inspection. The spray booth exhaust stacks appeared unchanged from the previous inspection and appeared to meet the maximum diameter and minimum height requirements. I observed that the spray booth exhaust filters were in place. Nor Cote uses a filter media that consists of two layers; on layer held in place by a wire grid with a second layer placed on top of the first layer. I discussed the option of using a different particulate filter media because the second layer of the filter media may sag if it becomes wet or too many particulates accumulate. Mr. Verfaillie stated that he would look into options for purchasing another particulate filter media for the spray booths.

HAP emission records are maintained by Nor Cote's environmental consultant. The 2013 emission calculation records indicate that the greatest individual HAP emission was 4.15 tons per year and the aggregate HAP emissions was 6.81 tons per year.

The grit blasting dust collector has been replaced in 2012. The new control device appeared to be properly installed, maintained and operated in a satisfactory manner in compliance with the FGBLASTING permit requirements.

CONCLUSION

Proper operation of the grit blasting dust collectors and emissions recordkeeping appeared to demonstrate compliance with permitted conditions.

NAME  DATE 9/8/14 SUPERVISOR CTE