

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

N734525376

FACILITY: RAINBOW COATINGS OF MICHIGAN		SRN / ID: N7345
LOCATION: 2716 LIPPINCOTT BOULEVARD, FLINT		DISTRICT: Lansing
CITY: FLINT		COUNTY: GENESEE
CONTACT: Frederick Leek, Owner		ACTIVITY DATE: 05/30/2014
STAFF: Brad Myott	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Perform inspection to determine plant's compliance with general PTI No. 98-04.		
RESOLVED COMPLAINTS:		

Facility Contact: Fred Leek, FREDLEEK@RAINBOWCOATINGSMI.COM

Rainbow Coatings is located in Flint, MI on Lippincott Boulevard near Dort Hwy. The area where it is located is a mixture of commercial and light industrial businesses

Rainbow Coatings is a metal parts coating facility. 95% of the parts they coat are aluminum products for the architecture field. Their products are used in the construction of schools, airports, strip malls and other commercial type buildings. They also coat road signs and other misc. metal parts. A very small part of the business uses a powder line with one powder booth to coat metal parts.

On 5/30/14 I conducted an unannounced scheduled inspection of Rainbow Coatings facility. They are located in the old Coors Distribution Plant off of Lippincott Blvd. I did not notice any visible emissions or odors outside of the facility. On this day temperatures were in the 60's with sunny skies and little wind. Inside the facility I did not detect any VOC odors. I met with the owner, Fred Leek. I provided him with a copy of the DEQ Inspections brochure and he showed me around the facility. Jeff Benit, is the plant manager but he was busy working on a project.

We went over the business and the operations at the plant. According to Fred business has been a little slow lately but has picked up some the past month. Fred explained that not much has changed at the facility in the past several years. They have not added any new equipment and the business operations are the same as in the past.

They use solvent based coatings and the plant is comprised of two coating lines, a pretreatment process, a powder line and natural gas fired ovens to cure parts. Rainbow Coatings has a general permit for coating identified as 98-04 that allows them 10 tons per year per line and 30 tons per year from all lines at the facility. All equipment was included in the original permit application. The permit was issued in 2004 and no new equipment has been installed since then.

Parts come into the facility and are sent through a 5 stage pretreatment cleaning cycle consisting of a series of baths and rinses followed by a drying oven. The cleaning process and oven was included in the permit application and is also exempt per Rule 285(r).

Following the parts washer the parts are coated with a primer and or topcoat in one of two paint lines. The parts are split between the two lines identified as EU-PAINTLINE1 AND EUPAINTLINE2. They also use a couple of ovens that cure parts at 450 degrees F for 15 mins. The plant also has a small paint kitchen/mix room with a rack oven that was also included in the permit application. Filters were in place in all the booths and get replaced when the back side of the filters are dirty. Fred mentioned that they were in the process of changing the filters as they were in need of replacing. The spray guns being used were electrostatic sprayers. They were busy loading some orders for customers so they were not coating any parts during my inspection.

Their MAERS from 2014 indicated they emitted 9.96 tons of VOC in 2013 from the coating process. They were having computer problems during my visit so I was unable to obtain records but asked Wendy Leek to email them to me as soon as they had their computers fixed. Wendy emailed me records the following week. Their records indicate that they are emitting 9.3 tons from the facility through May, 2014. This is well below the permit limit of 30 TPY. See attached records for 12-month rolling emission calculations and 2014 MAERS data. It appears that the facility is in compliance with the conditions of PTI 98-04.

NAME Bruce Myrth

DATE 6/10/14

SUPERVISOR P. Mitchell