

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

N757448195

FACILITY: COLOR COAT PLATING CO		SRN / ID: N7574
LOCATION: 355 W GIRARD, MADISON HTS		DISTRICT: Southeast Michigan
CITY: MADISON HTS		COUNTY: OAKLAND
CONTACT: Jeffery Swanson , Owner		ACTIVITY DATE: 03/15/2019
STAFF: Joe Forth	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site inspection		
RESOLVED COMPLAINTS:		

On March 15<sup>th</sup>, 2019, I, Joe Forth, from the Department of Environmental Quality's (DEQ), Air Quality Division (AQD), conducted an inspection of Color Coat Plating, State Registration Number (SRN): N7574, located at 355 W. Girard, in Madison Heights, Michigan. The purpose of this inspection was to determine the facility's compliance with 40 CFR Part 63, Subpart N, the National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (Chrome NESHAP), 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.

#### Facility Description

Color Coat Plating Company offers a variety of coloring and coating types such as: black oxide, anodized aluminum, chrome plating, and zinc oxide. Color Coat Plating coats products for the auto industry, small machinery, and home/business hardware. Currently, Color Coat Plating employs 17 people and is open six days a week; 7:00 am to 7:00 pm Monday through Friday, and 7:00 am to 1:00 pm on Saturday.

All plating operations are vented to the general in-plant environment and appear to be exempt from permitting pursuant Rule 285(2)(r). Chrome plating is subject to the regulations of 40 CFR 63 Subpart N; Chrome NESHAP.

#### Facility Inspection

I arrived at the facility at 12:00 pm. I was met by Mr. Jeff Swanson, Owner (Phone: 248-744-0445 Email: chromejeff@yahoo.com). I sat down with Mr. Swanson to discuss the purpose of the inspection and provided my credentials. Because the facility is exempt from permitting, Color Coat Plating needs only to comply with the chrome NESHAP. To comply with the NESHAP the facility must submit ongoing compliance reports, maintenance records, and records of their chosen compliance method. The chosen compliance method of Color Coat Plating's chrome tank is the addition of a fume suppressant to the chrome bath. Mr. Swanson was able to provide all the required records at the time of inspection. He only provided the Compliance Report for January 2019 at the inspection, but later sent the more recent reports via email.

Mr. Swanson then gave me a tour of the facility. The facility contains coating operations such as: black oxide, anodized aluminum, chrome plating, and zinc oxide. All operations besides the black oxide are vented to the general in plant environment. The black oxide process appears to be exempt from permitting per Rule 336.1290(2)(a)(i). The AQD had not previously made this distinction, so no violation notice is being issued at this time. I have asked that the facility begin keeping daily and monthly records of their additions of the black oxide to the baths, to comply with the requirements of the exemption. The facility has a waste water treatment system on site that treats their nickel waste water. The system does not treat water from the chrome tank as that tank is never purged, water is only added to the tank to make up for evaporation. The wastewater treatment system cleans the water from the rinse tanks and discharges it to the sanitary sewer. The sludge removed by the filter press are taken away by an environmental waste facility, EQ Industrial Services (See Attachment A).

#### Compliance:

Ongoing Compliance Status Reports were provided (Attachment B), Surfactant SDS was provided (Attachment C), and Surface Tension measurements were provided (Attachment D). The facility also provided a statement from their surfactant supplier that the product does not contain PFOS (Attachment E).

The facility appears to have satisfactorily corrected their exceedances and has been under the surface tension limit of 40 dynes/cm since the last inspection (May 2018).

**Conclusion**

The facility appears to be operating in compliance with the 40 CFR Part 63, Subpart N, the National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (Chrome NESHAP).

NAME *J. M. Tuttle*

DATE 4-18-19

SUPERVISOR *SK*