

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

B710147924

FACILITY: GREAT LAKES FINISHING		SRN / ID: B7101
LOCATION: 510 W HACKLEY AVE, MUSKEGON		DISTRICT: Grand Rapids
CITY: MUSKEGON		COUNTY: MUSKEGON
CONTACT: Diana Bench , President/Owner		ACTIVITY DATE: 02/22/2019
STAFF: Chris Robinson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY'19 on-site inspection to determine the facility's compliance status with applicable air quality rules and regulations.		
RESOLVED COMPLAINTS:		

AQD staff, Chris Robinson (CR), conducted a scheduled on-site unannounced inspection of Great Lakes Finishing located at 510 West Hackley Avenue in Muskegon, Michigan on February 22, 2019. CR met with Ms. Diana Bench, President. AQD identification was provided and CR announced intent to conduct an inspection of the facility in order to determine the facility's current compliance status with respect to applicable air quality rules and regulations.

Weather conditions were sunny approximately 33°F with east to south-east winds at approximately 7mph with no precipitation. CR surveyed the perimeter of the facility upon arrival for odors and visible emissions; none were observed.

Facility Description / Compliance Evaluation

Great Lakes is an alkaline and acid zinc plater that uses both Hexavalent and Trivalent chromate. The acid finish provides a brighter look that can be used on coarser metals. Alkaline finishes are duller and yellower and used for smoother metal. No manufacturing occurs at this facility and only metal parts are plated.

Equipment consists of four (4) plating lines (2-manual and 2 automatic lines) that vent to the in-plant environment. The two (2) manual lines are the Barrel Line for acid zinc barrel plating and the Rack hoist Line. The two automatic lines are the Fanta 1 and Fanta 2 Lines which are identical and are used for alkaline zinc plating. All four (4) lines use primarily the same chemicals which are tracked as they are added to the individual tanks. The lines appear to be exempt from Rule 201 permitting requirements under Rule 285(2)(r)(i), (iii), and (iv). Although zinc and chromate stripping is conducted, it is a non-electrolytic process. No electrolytic stripping or plating is conducted at this facility. Ms. Bench indicated that no fume suppressants are used at this facility. CR reviewed Safety Data Sheets onsite.

Upon entering the plating area, CR observed a light haze, which Ms. Bench indicated was being generated from the cleaners. During the walk-through CR met Mr. Kyle Kuharevicz, plant manager, who attempted to turn on a roof power vent to help clear out some of the haze. Ms. Bench indicated that the fan along with garage doors are opened to help bring in fresh air and that plans are in the works to install several windows along the west side of the building next to the Rack hoist line to help ventilation. CR informed Ms. Bench some building ventilation, such as the roof vent, is expected but in order to continue to use Rule 285(2)(r)(i), (iii), and (iv), emissions must be vented to the in-plant environment and opening up the building too much for the purpose of removing emissions is considered to be vented outside not to the in-plant environment and therefore Rules 285(2)(r)(i), (iii), and (iv) would not be applicable and a Permit to Install may be required.

Great Lakes maintains their own wastewater treatment plant for removing plating chemicals from the water before it's discharged to the sanitary sewer. The plating chemicals are then containerized and disposed of as required. Although, records pertaining to the treatment plant were not reviewed nor requested, Ms. Bench indicated that the system had been tested for PFOS by both the City and County of Muskegon which was non-detect.

Conclusion

Based on observations and discussions made during the February 22, 2019 inspection, Great Lakes Finishing appears to be in compliance with applicable air quality rules and regulations.

NAME



DATE

3/7/2019

SUPERVISOR

