

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

N659170508

FACILITY: Great Lakes Metal Finishing, LLC		SRN / ID: N6591
LOCATION: 120 S DWIGHT STREET, JACKSON		DISTRICT: Jackson
CITY: JACKSON		COUNTY: JACKSON
CONTACT: Cory Steadman , Plant Manager		ACTIVITY DATE: 01/04/2024
STAFF: Brian Merle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled, unannounced on-site compliance inspection.		
RESOLVED COMPLAINTS:		

Facility Contacts

Cory Steadman, Plant Manager

csteadman@glmfllc.com

Scott Baker, Quality Manager

sbaker@glmfllc.com

Purpose

On January 4th, 2024, an unannounced scheduled inspection was conducted at Greal Lakes Metal Finishing, LLC located at 120 S. Dwight Street, Jackson, Michigan. The purpose of the inspection was to determine the facility's compliance status with applicable federal and state air pollution regulations, particularly with the Michigan Natural Resources and Environmental Protection Act 451 of 1994, Part 55, Air Pollution Control and the administrative rules, and the conditions of Permit to Install (PTI) No. 153-99A.

Facility Location

The facility is in Jackson, Michigan. It is surrounded by commercial and residential areas on all sides.

Facility Background

The facility was last inspected on October 24th, 2016, and found to be in non-compliance with the recordkeeping requirements for the permitted scrubber. From their website, the facility performs "Anodize, Chromate Conversion, Passivation, Phosphate Coat, Media Blast, and Dry Film/Paint Operations."

Regulatory Applicability

The facility operates under PTI No. 153-99A.

Arrival

I arrived at the facility at approximately 9:38 AM. No odors or visible emissions were noted. I entered the shipping and receiving door and asked to meet with Cory. He directed me back to the office portion of the facility.

Pre-Inspection Meeting

I explained the purpose of my visit, to inspect the equipment associated with their permit, and to see their permit exempt painting operations. I also provided them a list of the records requested for my inspection, including records pertaining to their scrubber, tank additions, and paint usage to ensure they are within exemption limits. I was then taken on a tour of the facility.

Inspection

We first went through the shipping/receiving area, and into the tank area that has all the associated chemical tanks for EUANODIZE, EUPASSIVATE, EUPHOSPHATE, and EUDYELINE, as well as the Alodine 600 chrome tank which was previously determined to be exempt from chrome NESHA. As determined in the last inspection, the EUBLACKOXIDE process is still not being operated. All tanks are vented towards the scrubber. We then moved on to the paint booths, which were previously determined to be permit exempt. They have fabric filters that are changed daily. We then went to the scrubber, which recently had maintenance performed on it. The differential pressure gauge read 1.0 at the time of inspection. Everything appeared to be in working order, and the logbook and operating instructions were posted on the unit. We then returned to the office.

Post-inspection Meeting

Scott reviewed the provided records request and suggested that the requested data for the tank additions and monitoring required under FGSCRUBBER SC VI.3 and FG DYE&BLACKOXIDE SC VI.2 may be too large to send. Instead, I was shown these in person. The facility uses a digital software to monitor all conditions and additions to each tank. This all appeared to be in order. I returned to the office, thanked everyone for their time, and left at 10:05 AM.

Records Review

Daily monitoring records were requested for November and December 2023. Quarterly records were requested for the last 4 quarters.

Daily records are maintained for the liquid flow rate to be within the manufacturer's specified optimal range on a pass/fail basis. All days in November and December were passing. This satisfies FGSCRUBBER SC VI.2(a) (Attachments 1 and 2).

Daily records are maintained for the pressure drop of the scrubber to be within the manufacturer's specified optimal range on a pass/fail basis, with the reading recorded. All days in November and December were passing, with the usual reading being 0.8 PSI. This satisfies FGSCRUBBER SC VI.2(b) (Attachments 1 and 2).

Quarterly inspections were performed 10/10/22, 01/10/23, 04/10/23, and 07/10/23, which satisfies the conditions under FGSCUBBER SC VI.2(c-e) (Attachment 3).

Daily paint usage logs are kept, with monthly totals calculated at the end of the month. For all months in 2023, paint usage was under 11 gallons, meeting the 200 gallon limit for the Rule 287 exemption (Attachment 4).

Compliance Determination

Based on the findings of this inspection, and the accompanying records review, I have found this facility to be in compliance with their air permit.

NAME DATE 1/18/2024SUPERVISOR 