

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

U63220255464000

FACILITY: Fourstar Rubber, Inc.		SRN / ID: U632202554
LOCATION: 3185 Old Farm Lane, Commerce Township		DISTRICT: Warren
CITY: Commerce Township		COUNTY: OAKLAND
CONTACT: Rose Voros , Owner		ACTIVITY DATE: 06/03/2022
STAFF: Mark Dziadosz	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Complaint investigation and inspection.		
RESOLVED COMPLAINTS:		

On Friday, June 3, 2022, I, Michigan Department of Environment Great Lakes and Energy-Air Quality Division staff Mark Dziadosz, conducted a self-initiated inspection of Fourstar Rubber (U632202554), located at 3185 Old Farm Lane, Commerce Charter Township, Michigan. The purpose of this inspection was to determine the facility's compliance with 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 Department of Environment, Great Lakes and Energy (EGLE-AQD) Administrative Rules and in response to Complaint No. C-22-00851.

Odor Observations

I conducted a complaint investigation with Robert Elmouchi in response to complaint #C-22-00851, which was received on 5/20/2022, in which foul odor was alleged to originate from Fourstar Rubber.

We arrived onsite at 9:00 A.M. The sky was clear, temperature was 70° F with winds from the West/Southwest at about 7 MPH according to Weatherbug. According to the complaint record, wind speed during the time of the odor complaint was from the south at approximately 20 mph. Actual wind speed during our observation varied from calm to approximately 7 mph.

We walked the vicinity upwind and downwind of Fourstar Rubber and did not detect a foul odor associated with this facility. Afterward I spoke with the complainant, and they indicated the smell is bad around 4:00 or 5:00 p.m. The complaint was received at 11:00 A.M. They also indicated they can hear a "hum" whenever the foul odor is present.

Facility Inspection

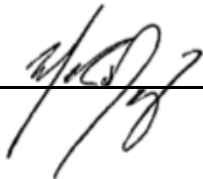
I arrived at Fourstar Rubber at approximately 9:00 AM and met with Rose Voros, Owner. Also present was Dan Voros, Vice President. Danny Voros is the General Manger, but he was on vacation during the inspection. The facility operates 24 hours a day Monday through Friday. The facility produces rubber sleeves and molds and has operations in 2 buildings (3185 and 3175 Old Farm Lane). At the 3185 address, there are 5 injection molding presses and 2 compression molding presses. There is an exhaust fan located behind one the vertical injection presses and there are also 2

ceiling exhausts. The injection molding processes at this facility appear to be exempt from the requirement to obtain a permit to install via rule 291 as emissions are expected to be minimal. The facility also has machining (3 CNCs, 3 lathes, and 2 bandsaws). These processes are exempt via R285(2)(I)(vi)(B). The 3175 Building contains 2 Horizontal extruders and 4 vertical extruders. One of the horizontal extruders has 2 filtered exhausts out of the side of the building. Per Rose, these filters are cleaned once per month. Rose was not able to show us new, unused filters and indicated Danny knows where they are located. While we were observing the process, the worker at the horizontal extruder had a large fan pointing away from the exhausts. Rose said this is for employee comfort. This could lead to unfiltered emissions from the facility. During the inspection, the front door of the facility was open as well as a large bay door in the rear of the facility, and the facility was hazy. I told Rose to turn the employee fan, so it blows towards the exhaust fans. According to Danny (who I spoke with on 6/9/22) the throughput for both facilities is approximately 120,000 pounds of rubber per month. Using AP-42 emission factors for extruding and using 360,000 lbs/month as the throughput, I calculated the total VOC to be approximately 4.4 lbs/month or 52.8 lbs/yr and the total HAPS to be 3.7 lbs/month or 44.4 lbs/yr. The extruding process appears to be exempt from the requirement to obtain a permit to install via Rule 291

Conclusion

The facility is exempt from the requirement to obtain a permit to install. Additional complaints or information are necessary before further action is taken on the odor complaint.

NAME

DATE June 13, 2023

SUPERVISOR

