

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

U63220255467698

FACILITY: Fourstar Rubber, Inc.		SRN / ID: U632202554
LOCATION: 3185 Old Farm Lane, Commerce Township		DISTRICT: Warren
CITY: Commerce Township		COUNTY: OAKLAND
CONTACT: Danny Voros , General Manager		ACTIVITY DATE: 06/07/2023
STAFF: Mark Dziadosz	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: FY 23 Inspection		
RESOLVED COMPLAINTS:		

On Wednesday, June 7, 2023, I, Michigan Department of Environment Great Lakes and Energy-Air Quality Division staff Mark Dziadosz, conducted an announced scheduled 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.

Facility Inspection

I arrived at Fourstar Rubber at approximately 2:30 PM and met with Danny Voros, General Manager. Prior to entering the facility, I walked the vicinity upwind and downwind from the facility and did not detect any foul odors associated with the facility. According to Weather Underground, temperature was approximately 70 degrees Fahrenheit, and winds were 12 mph from the north. The facility operates 2 shifts Monday through Friday and has approximately 7 employees. The facility produces rubber sleeves, pipe gaskets, bumpers, seals, and grommets and has operations in 2 buildings (3185 and 3175 Old Farm Lane).

At the 3185 address, there are 5 injection presses and 5 compression presses. There is an exhaust fan located behind one the vertical injection presses and there are also 2 ceiling exhausts. The facility also has machining (3 CNCs, 3 lathes, 1 mill, and 2 bansaws).

The 3175 Building contains 2 horizontal injection presses and 4 vertical injection presses. One of the horizontal injection presses has 2 filtered exhausts out of the side of the building. Per Danny, these filters are cleaned approximately once per month to six weeks, as needed.

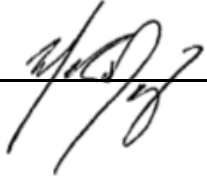
According to Danny the current throughput for both facilities is approximately 30,000 pounds of rubber per month. Using AP-42 emission factors for extruding and using 90,000 lbs/month as the throughput, I calculated the total VOC to be approximately 1.1 lbs/month or 13.2 lbs/yr and the total HAPS to be .9 lbs/month or 11.1 lbs/yr. Emissions from the injection presses are expected to be lower than the extruding emission

factors since emissions only occur during pressing. The injection and compression pressing processes appears to be exempt from the requirement to obtain a permit to install via Rule 291. The machining operations are exempt via R285(2)(I)(vi)(B).

Conclusion

The facility is exempt from the requirement to obtain a permit to install and appears to be in compliance with the regulations of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451).

NAME

DATE June 13, 2023

SUPERVISOR

