

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

U63230732869819

FACILITY: Brose North America		SRN / ID: U632307328
LOCATION: 3933 Automation Avenue		DISTRICT: Warren
CITY: Auburn Hills		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 11/01/2023
STAFF: Adam Bognar	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Scheduled Inspection		
RESOLVED COMPLAINTS:		

On Wednesday, November 1, 2023, Michigan Department of Environment, Great Lakes, and Energy -Air Quality Division (EGLE-AQD) staff, I, Adam Bognar, conducted an unannounced inspection of Brose North America located at 3933 Automation Avenue, Auburn Hills, MI. The purpose of this inspection was to determine the facility's compliance status with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; and Michigan Department of Environment, Great Lakes, and Energy, Air Quality Division (EGLE-AQD) rules.

I arrived at Brose at around 10:30 am. I entered the building through the front door. Nobody was sitting at the front desk, so I signed in as a visitor and called the number on the desk. I spoke with someone who called an employee to meet me in the lobby and show me around.

At around 10:45 am, I met with Kevin Gratti, employee.

Brose tests automotive parts for major automotive manufacturers at this facility. No manufacturing occurs at this facility. The facility operates from 8 am to 5 pm Monday through Friday.

At the time of my inspection, there were dozens of automotive door clamps being tested. The door clamps/latches are attached to a robotic assembly that continuously opens and closes the car door to test for various parameters such as durability and noise. The facility operates 7 "walk-in" and 15 "reach-in" environmental chambers. These chambers are used to test parts at varying temperatures, humidities, and pressures. The chambers are capable of going from -40° F up to 180° F, and from 0 to 100% humidity. There is a closed loop glycol system that chills these environmental chambers. The electric chiller is located outside the facility. There are also three electric air compressors used to modify the environmental conditions in these chambers.

There are also two sound rooms used to record and test the sound of various parts. Most recently they have been testing the sound of the door clamp opening and closing. These rooms are very well insulated and eerily quiet when no testing is occurring.

Kevin stated that there are no parts washers or paint booths at this facility. I did not notice any equipment at this facility which may cause an air contaminant to be emitted to the ambient air.

I left the facility at around 11:15 am.

Compliance Determination

Based on my observations during this inspection and record review, Brose North America is operating in compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); and Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD) Administrative Rules.

NAME Adam Bogner DATE 11/13/2023 SUPERVISOR K Kelly