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

N805573054

FACILITY: IAV Automotive Engineering Inc.		SRN / ID: N8055
LOCATION: 15620 Technology Drive, NORTHVILLE		DISTRICT: Detroit
CITY: NORTHVILLE		COUNTY: WAYNE
CONTACT:		ACTIVITY DATE: 07/05/2024
STAFF: Stephen Weis	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Compliance inspection of the IAV Automotive Engineering, Inc. facility in Northville Township. The IAV facility is scheduled for inspection in FY 2024.		
RESOLVED COMPLAINTS:		

**Location:**

IAV Automotive Engineering (SRN N8055)  
15620 Technology Drive  
Northville Township 48168

**Date of Activity:**

Friday, July 5, 2024

**Personnel Present:**

Steve Weis, EGLE-AQD Detroit Office

**Purpose of Activity**

A self-initiated inspection of the IAV Automotive Engineering, Inc. facility (hereinafter "IAV") was conducted on Friday, July 5, 2024. The IAV facility is on my list of sources targeted for an inspection during FY 2024. As part of the facility's efforts to submit emissions reporting information to EGLE-AQD, IAV provided in a November 2023 correspondence that they had ceased operations at the facility. The purpose of this inspection was to determine compliance of operations at the IAV facility with applicable rules, regulations and standards as promulgated by Public Act 451 of 1994 (NREPA, Part 55 Air Pollution Control), with applicable Federal standards, and with the terms and conditions of Permit to Install No. 162-08A.

**Facility Site Description**

IAV Automotive Engineering, Inc, represents the North American subsidiary of IAV Group Worldwide, an automotive engineering and research company that is based in Germany. The IAV Northville facility is located on the east side of Technology Drive, which runs in an arc from Beck Road about ¼ mile north off 5 Mile Road, east and then south out to 5 Mile Road about ¼ mile east of Beck Road. The Permit to Install (PTI) application materials for the initial PTI that was issued to the facility, PTI No. 162-08, includes the following description of the facility:

*"The facility site is approximately 4.8 acres in area and will consist of two buildings connected by a covered walkway, parking areas, and an underground fuel tank farm. The two-story front building will consist of an office area; the one-story back building will contain the engine testing area."*

The properties in close proximity to the IAV facility feature a mix of commercial and industrial uses. The area to the northeast of 5 Mile and Beck Roads consists of a couple of streets that feature this type of land use that are part of the Northville Technology Park development. Centennial Drive, which is located to the east of the facility, similarly features properties with a mix of commercial and industrial uses, including the ZF Group North America facilities. There is a residential area (the

Northville Hills Golf Club Estates residential subdivision) that is located to the north, northeast and east of the Northville Technology Park properties. The closest residences are located ¼ mile from the IAV facility.

### **Facility Operations**

The IAV facility in Northville was a research and development facility. As referenced in the last section of this report, the front building at the facility served as an office building that housed the Engineering/Design and Energy Management groups at the facility. The back building contained the operations associated with the Technical/Testing Group. The engine testing operations, which were addressed by the facility's PTI, were located in the back building, and consisted of four engine test cells located in the rear (eastern) portion of the back building. The front portion of the back building was a work area used for maintenance and repair activities associated with the engines.

### **Inspection Narrative**

I arrived at the facility at 1:10pm. I exchanged emails with Brian Kingsmith, Manager of Facility for the IAV facility, in November 2023. IAV had submitted the equipment inventory list for their 2023 emissions report, and I noted that the equipment inventory indicated that the four engine test cells were permanently shut down in 2023. I asked Brian to confirm this information, and he replied that the facility had ceased testing operations and was re-strategizing their business. There was further communication between IAV and EGLE in April 2024 via inquiries relating to completing the emissions report for 2023. Brian provided that the test cells have been permanently decommissioned, that they are scheduled for demolition in the next couple of months, and that the building is being sold to a new owner in May. I provided Brian with guidance as to how to request that the Permit to Install for the facility be voided due to the permanent closure of the IAV facility. A copy of the email exchanges is attached for reference.

During the July 5 site visit, contractors were on site dismantling the test cells and the work area. I spoke with one of the contractors, who confirmed that they were taking all of the equipment in the back building out for scrap, recycling or disposal. I took a few pictures of the inside and outside of the building which are attached to this report.

### **Permits/Regulations/Orders/Other**

Permit to Install No. 162-08A was issued to IAV via correspondence dated August 13, 2012. The permit addressed the operation of four dynamometer test cells used to test various engines run on gasoline, diesel, and other fuel blends. With the closure of the facility, this PTI can be voided.

### **Compliance Determination**

Based upon the results of the July 5, 2024 site visit, and the notifications and communications between IAV and EGLE-AQD, the permanent shutdown of the IAV Engineering, Inc. facility is confirmed. Permit to Install No. 162-08A can be voided, and the IAV facility can be designated in EGLE-AQD files and databases as being permanently shut down.



**Image 1(IAV) :** Front of building



**Image 2(IAV 2) :** Inside of former maintenance area



**Image 3(IAV 3) :** Demolition/removal of the test cell area.

NAME Asterleas

DATE 9/12/24

SUPERVISOR JK