

N7807

MAVILA

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

N780764301

FACILITY: Meiden America Inc.		SRN / ID: N7807
LOCATION: 15810 CENTENNIAL DR, NORTHVILLE TWP		DISTRICT: Detroit
CITY: NORTHVILLE TWP		COUNTY: WAYNE
CONTACT: Anirudh Sridharan , Quality and Safety Specialist		ACTIVITY DATE: 08/31/2022
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : August 31, 2022

INSPECTED BY : Jill Zimmerman

PERSONNEL PRESENT : Anirudh Sridharan, Quality and Safety Specialist

FACILITY PHONE NUMBER : 734-656-1400

FACILITY EMAIL : Anirudh.sridharan@meidenamerica.com

FACILITY BACKGROUND

Meiden America, Inc. is an engine testing facility location in Northville, Michigan. This Japanese based company operates five engine testing cells and two underground storage tanks.

REQUIRED PPE

During the onsite inspection, I was required to wear steel toed shoes and safety glasses.

COMPLAINT/COMPLIANCE HISTORY

No complaints have been received regarding this facility in the past year.

PROCESS EQUIPMENT AND CONTROLS

The facility operates five engine testing cells at this location. The facility also has two 8,000-gallon underground storage tanks. All testing cells and storage tanks are operating through the opt-out permit 130-13.

INSPECTION NARRATIVE

On August 11, 2022, I attempted to complete this unannounced onsite inspection. I arrived at the facility, and performed opacity surveillance of the stacks. No opacity was observed from any of the stacks. I then entered the facility lobby, which had an unmanned reception desk with a phone. I called the general line since I did not have a contact name for this facility at

this time. When no one answered, I left a message explained who I was and the reason for my visit. I did not receive a return call. There were minimal vehicles in the parking lot.

On August 31, 2022, I returned to the facility to attempt the inspection. Again, there was no answer to the general phone line. However, an employee walking by saw me and was able to put me in contact with Mr. Sirdharan to discuss the operations at the facility.

Together, Mr. Sirdharan and I walked to the area where the test cells are located. No cells were currently being used during the onsite inspection. The facility is in the process of shutting down this location and no work has occurred in at least the previous month. The facility plans to shut down testing operations at this facility completely within the year.

APPLICABLE RULES/PERMIT CONDITIONS

The five dynamometers operate under the Opt-Out permit 130-13, which was issued on December 23, 2013.

FGTESTCELLS:

I. FGTANKS:

I.

I. Emissions Limits

Compliance – The facility’s reported emissions to MAERS for 2021 were used to determine compliance. The reported NOx emissions were 1.03 tons, which is less than the permitted limit of 18.8 TPY. The reported CO emissions were 49.796 tons, which is less than the permitted limit of 89.2 TPY. The reported VOC emissions were 2.42 tons, which is less than the permitted limit of 7.9 TPY. The reported formaldehyde emissions were 0.108 tons, which is less than 0.2 TPY.

II. Material Limits

Compliance – The facility’s reported material usage to MAERS for 2021 were used to determine compliance. No diesel was used during 2021. The reported gasoline usage was 32,653 gallons, which is less than the permitted limit of 56,300 gallons per year.

III. Process/Operational Restrictions

NA

IV. Design/Equipment Parameters

NA

V. Testing/Sampling NA – No testing is required at this time.

VI. Monitoring/Recordkeeping

Compliance – Fuel usage records and emission calculations were shared during the onsite inspection and appear to be maintained accurately. A sample is attached to this report.

VII. Reporting

NA

VIII. Stack/Vent Restrictions

Stack SVTESTCELLS appears to have been properly installed and have not been modified.

IX. Other Requirements -- NA

I. Emissions Limits – NA

II. Material Limits – NA

III. Process/Operational Restrictions - Unknown – The tanks were not being filled during the onsite inspection.

IV. Design/Equipment Parameters- Unknown – The tanks were not being filled during the onsite inspection.

V. Testing/Sampling – NA

VI. Monitoring/Recordkeeping

Compliance – Fuel types are recorded for each tank.

VII. Reporting – NA

VIII. Stack/Vent Restrictions – NA

IX. Other Requirements – Compliance – Proper descriptions are maintained for each tank.

FGFACILITY

I.

I. Emission Limits – Compliance – The facility emitted less than 50 tons of CO during 2021. With the testing cells no longer operating, the CO emissions will continue to decrease.

II. Material Limits – NA

III. Process/Operational Restriction – NA

IV. Design/Equipment Parameters – NA

V. Testing/Sampling – NA

VI. Monitoring/Recordkeeping Compliance – The facility keeps monthly and 12-month CO emission records.

VII. Reporting – NA

VIII. Stack/Vent Restrictions – NA

IX. Other Requirements – NA

MAERS REPORT REVIEW

This report was received on time. All emissions appear to have been reported accurately.

FINAL COMPLIANCE DETERMINATION

Meiden America, Inc appears to be operating in compliance with all state and federal regulations as well as all permit conditions.

NAME



DATE

9/30/2022

SUPERVISOR

JK