

M4752
MANILA

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

M475269031

FACILITY: JOHN D DINGELL VA MEDICAL CENTER		SRN / ID: M4752
LOCATION: 4646 JOHN R STREET, DETROIT		DISTRICT: Detroit
CITY: DETROIT		COUNTY: WAYNE
CONTACT: Esam Alnajjar , Environmental Protection Specialist (GEMS)/Safety		ACTIVITY DATE: 09/18/2023
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : September 18, 2023

TIME OF INSPECTION : 9:20 am

INSPECTED BY : Jill Zimmerman

PERSONNEL PRESENT : Esam Alnajjar

Jason McGills

Steve Everly

FACILITY PHONE NUMBER : 734-558-1512

FACILITY BACKGROUND

The John D. Dingell VA Medical Center, from the description on its website, “is a108-bed full service medical center that provides primary, secondary and tertiary care. The medical center provides acute medical, surgical, psychiatric, neurological, and dermatological inpatient care.” The hospital is located in downtown Detroit and constructed in 1995 and became fully operational in June 1996. The facility operates boilers and emergency generators.

REQUIRED PPE

For this onsite inspection, I wore steel toed shoes, a safety vest, eye protection and hearing protection.

COMPLAINT/COMPLIANCE HISTORY

No complaints have been received regarding this facility. No violations have been issued for this facility.

PROCESS EQUIPMENT AND CONTROLS

The facility has four boilers and eight emergency generators. These generators are located in two separate locations at the facility with a similar configuration. The boilers and generators operate on fuel oil or natural gas. The facility has six underground storage tanks. Tank 1 is 28,000 gallons, Tanks 2,3,4 and 6 are 30,000 gallons each and Tank 5 is 1000 gallons.

INSPECTION NARRATIVE

I arrived at the facility and met with Dr. Esam Alnajjar. I explained the purpose of my visit and the equipment that I wished to see. Together we walked to the boiler room and each of the generator areas. Dr. Alnajjar sent me the requested records and these records are attached to this report.

APPLICABLE RULES/PERMIT CONDITIONS

The facility operates the four boilers and eight generators under permit 295-07. There permit also has facility wide conditions. The evaluation of this permit is:

FGBOILERS:

Emission Limits

1. Compliance – Based on the provided records, the facility has emitted less than 11 tons of NOx during a 12-month rolling time period for at least the past 24 months.
Visible Emission Limits
2. Compliance – No VE were observed during the onsite inspection.
Material Usage Limits
3. Compliance – Only natural gas or diesel fuel are used to operate the boilers.
4. Compliance – Fuel certifications reviewed onsite showed that the sulfur content of the fuel is less than 0.30% by weight.
5. Compliance – During at least the past 24 months, the 12 month rolling usage of fuel oil was less than 5,000 gallons which is less than the permitted limit of 90,000 gallons.
Process/Operational Limits
6. Compliance – The facility appears to be operating in compliance with 40 CFR Part 60 Subpart A and Dc.
Monitoring
7. Compliance – The attached records show the facility is collecting the proper natural gas and fuel oil usage records.
8. Compliance – The fuel certification records were reviewed during the onsite inspection and appear to be collected accurately.
Recordkeeping/Reporting/Notification
9. Compliance – The proper NOx records are maintained by the facility and are attached to this report.
10. Compliance – The facility maintains onsite the proper copies from the fuel supplier the certifications for the fuel oil.
11. NA – No changes in this information have been made so this was not reviewed.

- 12. Compliance – The facility maintains the proper monthly fuel usage and natural gas usage records and are attached to this report.
Stack/Vent Restrictions
- 13. Compliance – No changes have been made to the stack since it was properly installed.

FG-GENERATORS

Emission Limits

2.1 Compliance – Based on attached records, the generators emitted less than 6 tons of NOx in a 12 month rolling time period which is less than 20.5 tpy permit limit.

Material Usage Limits

2.2 Compliance – Diesel fuel is used in the generators.

2.3 Compliance – The fuel certification stating the sulfur content show compliance with the 0.3% by weight limit.

Process/Operational Limits

2.4 Compliance – Based on the records received, all generators have operated less than 500 hours in a 12-month rolling time period.

Monitoring

- 1. Compliance – The hours meter readings are collected monthly and attached to this report.
- 2. Compliance – The fuel certification records were reviewed during the onsite inspection and appear to be collected accurately.

Recordkeeping/Reporting/Notification

- 3. Compliance – The NOx emissions are properly collected and are attached to this report.
- 4. Compliance – The fuel certification records are properly maintained onsite.
- 5. Compliance – The monthly hour meter readings are records and maintained properly.

Stack/Vent Restrictions

2.10(a-h) Compliance – The stacks were installed properly and have not been modified.

FGFACILITY:

Emission Limits

3.1 Compliance – Based on records collected during the onsite inspection the facility has emitted less than 13 tons of NOx in a 12 month rolling time period for at least the past 24 months, which is less than the permit limit of 89.5 tpy.

Recordkeeping/Reporting/Notificaiton

3.2 Compliance – The monthly and 12-month rolling time period NOx emission records are properly maintained and attached to this report.

3.3 Compliance – The monthly and 12-month rolling time period fuel usage records are properly maintained and attached to this report.

3.4 Compliance – The hour meter readings are maintained by the facility.

MAERS REPORT REVIEW

The MAERS report was received on time and appeared to be reported accurately.

FINAL COMPLIANCE DETERMINATION

John Dingell VA Medical Center appears to be operating in compliance with all state and federal regulations as well as all permit conditions at the time of the inspection.

NAME 

DATE 7/11/2024

SUPERVISOR JK