

J4912
MANITADEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

J491273533

FACILITY: Beaumont Hospital - Dearborn		SRN / ID: J4912
LOCATION: 18101 OAKWOOD BLVD, DEARBORN		DISTRICT: Detroit
CITY: DEARBORN		COUNTY: WAYNE
CONTACT: Luke Sandzik , Supervisor, Facilities Management		ACTIVITY DATE: 09/12/2024
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : September 12, 2024

TIME OF INSPECTION : 1:15 pm

INSPECTED BY : Jill Zimmerman

PERSONNEL PRESENT : Rich Pointe, Director Facilities Management
Luke Sandzik

FACILITY PHONE NUMBER : 313-593-7360

FACILITY BACKGROUND

Oakwood Healthcare, Inc. dba Corewell Health Dearborn Hospital, formerly Beaumont Hospital—Dearborn, is a medical facility that operates three boilers and three emergency generators.

REQUIRED PPE

For this onsite inspection, I wore steel toed shoes, a safety vest, and eye 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 three boilers and three emergency generators. The boilers and generators operate on ultra low sulfur diesel fuel. The boilers also operate on natural gas. The facility has two underground storage tanks. One tank is 20,000 gallons and the other tank is 30,000 gallons.

INSPECTION NARRATIVE

I arrived at the facility and met with Mr. Rich Pointe and Mr. Luke Sandzik in the facilities department. 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.

APPLICABLE RULES/PERMIT CONDITIONS

The facility operates the three boilers and two generators under permit 57-13A. The evaluation of this permit is:

FG-EMGRICE1-2: Two 2,885 bhp diesel-fueled emergency engines manufactured in 2004.

- I. Emission Limits – Compliance – Based on the annual emissions report, the facility emitted less than 1 ton of NO_x combined for both engines during 2023, which is less than the permitted limit of 31.6 tpy.
- II. Material Usage Limits – Compliance – Only ultra low sulfur diesel fuel is used to operate the boilers.
- III. Process/Operational Limits—Compliance – The emergency generators operate less than 500 hours per year. Both generators are installed, maintained and operated in accordance to the manufacturer's written instructions.
- IV. Design / Equipment Parameters – Compliance – Each generator is equipped with a non-resettable hours meter. Each generator does not exceed 2,885 bhp.
- V. Testing / Sampling – NA
- VI. Monitoring / Recordkeeping – Compliance – The facility is maintaining the proper records. A sample of these records is attached to this report.
- VII. Reporting – NA
- VIII. Stack/Vent Restrictions – Compliance – No changes have been made to the stacks since the stacks were properly installed.
- IX. Other Requirements – NA

FG-BOILER5-7: Two 33.5 MMBtu/hr and one 32.7 MMBtu/hr natural gas-fired boilers

- I. Emission Limits – Compliance – The combined NO_x emissions for the three boilers is less than 9 tons during 2023, which is less than the permitted limit of 21.6 tpy. The combined CO emissions for the three boilers is less than 8 tons during 2023, which is less than the permitted limit of 18.14 tpy.
 - II. Material Usage Limits – Compliance – The combined natural gas usage for the three boilers is less than 180 MMcf during 2023, which is less than the permitted limit of 432 MMcf per year. The combined diesel fuel usage for the three boilers is less than 475 gallons during 2023, which is less than the permitted limit of 623,100 gallons. Only pipeline quality natural gas and ultra low sulfur diesel fuel is burned in the boilers.
 - III. Process/Operational Limits – Compliance – All boilers are operated in accordance with the manufacturer's recommendations for safe and proper operation.
 - IV. Design / Equipment Parameters – Compliance – The boilers have been installed with the allowable heat input capacity as described in the permit. The fuel usage is monitored and recorded monthly and low NO_x burners are installed and operating properly.
 - V. Testing / Sampling – NA – At this time no testing is required.
 - VI. Monitoring / Recordkeeping – Compliance – The proper records are kept onsite. A sample of the records are attached to this report.
 - VII. Reporting – NA
 - VIII. Stack/Vent Restrictions – Compliance – The stack was installed properly and has not been modified.
- FG-NSPSDc: Small industrial, commercial, and institutional steam generating units subject to Standards of Performance NSPS Dc.**

- I. Emission Limits – Compliance – No visible emissions were observed during the onsite inspection.
- II. Material Limits – Compliance – On ultra low sulfur diesel fuel is burned.

- 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 – The fuel usage records are maintained onsite.
- VII. Reporting – NA – No testing is required at this time so no report is required.
- VIII. Stack / Vent Restrictions – NA
- IX. Other Requirements – All provisions of the federal Standards of Performance for New Stationary Sources are followed.


EMISSIONS REPORT REVIEW

The emissions report was received on time and appeared to be reported accurately. The emissions report contains a fuel usage and emissions for the third emergency generator with a 755 bhp diesel-fueled engine and a listed installation date of 5/1/1989. This emergency generator is not covered under the PTI because it is considered exempt under Rule 285(g). A fourth emergency generator with a 671 bhp diesel-fueled engine was formerly installed at the facility, also under Rule 285(g), but is no longer included in the annual emissions report.

FINAL COMPLIANCE DETERMINATION

Oakwood Healthcare, Inc. dba Corewell Health Dearborn Hospital 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

10/24/24

SUPERVISOR

JK