

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection**

G555249303

|   |                               |                           |
|---|-------------------------------|---------------------------|
| FACILITY: LAKESHORE COMMUNITY HOSPITAL        |                               | SRN / ID: G5552           |
| LOCATION: 72 S STATE ST, SHELBY               |                               | DISTRICT: Grand Rapids    |
| CITY: SHELBY                                  |                               | COUNTY: OCEANA            |
| CONTACT: Nate Dean , Plant Operations Manager |                               | ACTIVITY DATE: 06/27/2019 |
| STAFF: Chris Robinson                         | COMPLIANCE STATUS: Compliance |                           |
| SUBJECT: FY '19 on-site inspection            |                               | SOURCE CLASS: MINOR       |
| RESOLVED COMPLAINTS:                          |                               |                           |

Chris Robinson (CR) from the Department of Environment, Great Lakes, and Energy (EGLE) Air Quality Division (AQD) was onsite to conduct an unannounced scheduled inspection of Mercy Health's Lakeshore Community Hospital (SRN G5552) to determine the facility's compliance status with respect to applicable State and Federal Air Quality Rules and Regulations. The facility is located at 72 South State Street in Shelby, Oceana County, Michigan. CR met with Mr. Nate Dean, Plant Operations Manager. Intent of the inspection was relayed, and identification provided. No odors or visible emissions were observed.

Lakeshore Community Hospital (Lakeshore) is a small hospital that operates one (1) sterilizer, two (2) boilers, and two (2) emergency Generators. This facility has no active permits.

Per Mr. Dean, the facility uses one (1) steam sterilizer which was noted in the previous inspection conducted on June 11, 2009. No changes have been made since. Steam sterilizers are exempt from Rule 201 permitting requirements per Rule 281(2)(i).

Based on observations and discussions with Mr. Dean, there have been no changes or modifications made to the boilers since the previous inspection. Per observations there are two (2) identical boilers manufactured by Columbia with a heat input rating of 2,520,000 Btu/hr. Both boilers were installed in 2008 and are natural gas fired only. The boilers appear exempt from permitting requirements per Rule 282(2)(b)(i) for fuel burning equipment that are used for indirect heating and are fueled on sweet natural gas with a rated heat input capacity of not more than 50,000,000 Btu/hr. The boilers are too small (<10,000,000 Btu/hr) to be subject to New Source Performance Standards (NSPS) Subpart DC (40 CFR, Part 60, Subpart Dc). The National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR, Part 63, Subpart JJJJJJ does not apply to natural gas fired boilers.

Lakeshore operates the following two (2) diesel fired emergency generators which appear to be exempt from permitting requirements under Rule 285(2)(g) for internal combustion engines with a maximum heat rating of less than 10,000,000 Btu/hr.

| ID          | Model           | HP  | Manufactured/Installation Date |
|-------------|-----------------|-----|--------------------------------|
| Onan        | 6CTA8.3-G       | 277 | 1997                           |
| Caterpillar | Olympian D200P4 | 325 | 2004 / 2017                    |

1hp = 0.7457 kW = 2,544 Btu/hr

Onan Generator: 277 HP x 2,544 Btu/hr = **~704,688 Btus/hr**

Caterpillar Generator: 325 HP x 2,544 Btu/hr = **~826,800 Btus/hr**

The generators do not appear to be subject to the NSPS for compression Ignition Internal Combustion engines (40 CFR, Part 60, Subpart IIII) because the generators were ordered prior to July 11, 2005. The Caterpillar generator was relocated to Lakeshore in 2017 but was originally ordered and installed at Mercy Health's Hackley campus in 2004.

The facility is considered an Area Source of Hazardous Air Pollutants. The AQD does not have delegation of the Area Source RICE MACT (40 CFR, Part 63, Subpart ZZZZ) for Internal Combustion engines.

Based on the observations made at the time of this inspection Lakeshore appears to be in compliance with applicable air rules and regulations.

NAME *[Signature]*

DATE 7/19/2019

SUPERVISOR *[Signature]*