

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

G505926710

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| FACILITY: OAKLAND GENERAL HOSPITAL | | SRN / ID: G5059 |
| LOCATION: 27351 DEQUINDRE, MADISON HTS | | DISTRICT: Southeast Michigan |
| CITY: MADISON HTS | | COUNTY: OAKLAND |
| CONTACT: Gilbert Alpaugh , Maintenance Supervisor | | ACTIVITY DATE: 07/18/2014 |
| STAFF: Francis Lim | COMPLIANCE STATUS: Compliance | SOURCE CLASS: Minor |
| SUBJECT: Inspection | | |
| RESOLVED COMPLAINTS: | | |

On July 18, 2014, I conducted an inspection at St. John Macomb - Oakland Hospital located at 27351 Dequindre, Madison Heights, Michigan. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Administrative Rules; and the conditions of Permit-To-Install (PTI) No. 78-14.

Mr. Gilbert Alpaugh (248-967-7612), represented the facility during the inspection.

St. John Macomb-Oakland Hospital is an osteopathic teaching hospital, offering adult medical and surgical services. This hospital used to operate a medical waste incinerator which stopped operations in September 2000.

The hospital has two natural gas-fired boilers less than 10 MMBTU heat input. These boilers are capable of firing No. 2 fuel oil. The boilers are tested with fuel oil every three months for 30 minutes. A temporary 1000 gallon fuel oil storage tank is installed. This will be replaced with a permanent tank to accommodate the new 1000 KW diesel engine emergency generator which was still being installed during the inspection. D.J. Conley conducts maintenance on the boilers. RR Smith conducts monthly tune-ups and flue gas analysis. Air fuel ratio is adjusted during the monthly tune-up. During the summer, one boiler at 30% capacity can supply steam demand. During the winter, both boilers are running, although one boiler at 100% capacity may be sufficient. The boilers are subject to the Boiler MACT but there are no requirements for area source natural gas fired boilers (with fuel oil use during gas curtailment). Also, AQD has no delegation yet to implement the Area Source Boiler MACT unless the boiler is covered by a permit.

There are currently three emergency generators on site. A temporary 450 KW diesel generator will be replaced by a new 1000 KW diesel generator. As of October 28, 2014, the new generator has not been completely installed yet. The new generator has a heat input capacity of 10.6 MM BTU per hour, therefore is not exempt. This generator is covered by Permit to Install (PTI) No. 78-14. The permit requires that this generator comply with the model year standards by purchasing a certified engine, as specified in 40 CFR 60 Subpart IIII. Facility has not yet submitted the certification, although Mr. Dave Eckler, the contractor indicated that according to the manufacturer, this is a certified engine. Submission of the certificate has been followed up with facility. Other requirements are: installing a hour-meter, maximum diesel fuel sulfur content of 15 ppm (0.0015%), operate engine for not more than 100 hours for maintenance checks and readiness testing, and conduct maintenance according to manufacturer's emission related emissions. An hour meter is installed.

A 300 KW diesel generator has been disconnected and will be removed. There is another 175

KW natural gas-fired generator. All generators are tested every week for 30 minutes, and monthly, with load. The generators are subject to the Area Source RICE MACT. AQD has no delegation yet to implement the Area Source RICE MACT unless the generator is covered by a permit.

Facility does not operate EtO sterilizers. Steam autoclave is used for most of the surgical equipment. At endoscopy, a self-contained sterilizer utilizing Metricide OPA Plus is used as a disinfectant. This chemical is not a carcinogen. Metricide OPA Plus is an alternative for disinfecting medical equipment that is heat sensitive.

NAME

J. A. J.

DATE

10-28-14

SUPERVISOR

CJE