

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

C261242398

FACILITY: PENNOCK HOSPITAL		SRN / ID: C2612
LOCATION: 1009 WEST GREEN STREET, HASTINGS		DISTRICT: Grand Rapids
CITY: HASTINGS		COUNTY: BARRY
CONTACT: Zach McIntosh , Director - Plant Operations		ACTIVITY DATE: 11/08/2017
STAFF: Eric Grinstern	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced compliance inspection		
RESOLVED COMPLAINTS:		

FACILITY DESCRIPTION

Pennock Hospital is a Spectrum Health medical care facility located in the city of Hastings. The facility consists of two building, the main hospital and a Health/Wellness Center.

REGULATORY ANALYSIS

The facility is a minor source that currently has one general permit. The general permit, PTI No. 40-98, covers an ethylene oxide sterilizer. Additionally, facility records show that they have three boilers and one generator on-site. Previous evaluation by the facility and AQD inspectors have determined that the boilers and generator are exempt from permitting. Additionally, previous evaluations have determined the boilers and generator are not subject to NESHAP/NSPS standards in their current state of operation.

COMPLIANCE EVALUATION

At the facility, AQD staff, consisting of Eric Grinstern (EG), met with Zach McIntosh, Director of Plant Operations. Mr. McIntosh accompanied EG on a tour of the facility.

Prior to entering the facility, no visible emissions or odors were observed.

Sterilizer

Mr. McIntosh escorted EG to the basement of the hospital where the sterilization unit is located. At the sterilization unit, Jodi Welker provided a tour of the unit and answered questions regarding the operation of the sterilization units.

Ms. Welker stated that they ceased operation of the ETO sterilizer in June 2016. The lifespan for service of the unit ended and the unit was taken out of service. The ETO sterilizer was observed on-site and contained a notice on the front of the unit stating that it was no longer to be used. EG subsequently recommended that the facility request that the permit for the unit be voided.

The facility utilizes two steam and one hydrogen peroxide machine in the sterilization unit.

The hydrogen peroxide unit is operated on cartridges and does not have a vent. Both the steam and hydrogen peroxide sterilizers are exempt from the requirement to obtain a permit install under Rule 281 (2)(i).

Boilers/Generator


The facility has a total of three boilers at the main hospital. A Power Master boiler with a rated capacity of 4.18 MMBtu/hr and (2) Bryan Boilers, each with a rated capacity of 5.5 MMBtu/hr. Per previous evaluations, the boilers are exempt from permitting under Rule 282(2)(b)(if) and (b)(ii). Additionally, the units are not subject to any NESHAP or NSPS requirements due to size and/or age. The boilers are limited to 48 hours per year of liquid fuel use for testing. Mr. McIntosh stated that an outside company conducts maintenance on the units, during which liquid fuel is used for 8 hours a year.

Additionally, the Health/Wellness Center had two rooftop boilers that were previously determined to be exempt under Rule 282(2)(b)(i).

The emergency generator was installed in 1994 and is rated at 600 engine hp, with a heat input less than 10 MMBtu. This unit is exempt under Rule 282(2)(b)(i). The unit predates NSPS JJJJ has no NESHAP requirements.

CONCLUSION

Based on the information and observations made as part of this inspection, the facility appears to be in compliance with applicable air quality rules and regulations.

NAME  DATE 11/22/17 SUPERVISOR 