

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

F555139098

FACILITY: MID MICHIGAN REGIONAL MEDICAL CENTER		SRN / ID: F5551
LOCATION: 4005 ORCHARD DR, MIDLAND		DISTRICT: Saginaw Bay
CITY: MIDLAND		COUNTY: MIDLAND
CONTACT: Rob Young, Facility Operations Manager		ACTIVITY DATE: 02/17/2017
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Inspection to verify compliance with PTI 295-09, PTI 82-03, and all other applicable state and federal air quality regulations.		
RESOLVED COMPLAINTS:		

On February 17, 2017 I (Sydney Bruestle) conducted an onsite inspection of Mid Michigan Medical Center located at 4000 Wellness Drive, in Midland Michigan. Mid Michigan Medical Center holds two air quality permits with the State of Michigan. Permit to Install (PTI) 295-09 is for three boilers all located in the energy building. PTI 82-03 covers the ethylene oxide sterilizer which is located in the main hospital building.

While onsite (on February 17, 2017) I met with Rob Young, the Facilities Operations Manager at Mid Michigan Health. He was able to show me the boilers and records for natural gas usage. All three boilers run on natural gas 24/7. The facility tests the boiler operation on No. 2 oil annually for around 2 hours (to prepare for emergency situations). Foster Blue Water Oil supplies the facility with No. 2 oil. The spec sheet for the No. 2 oil is attached, the sulfur content is below the permit limit of 10% by weight.

On February 17, 2017 Mr. Young was unable to provide me with emission records for the ethylene oxide sterilizers. I returned to the facility on March 29, 2017 to meet with Mr. Young and Cheryl Kaufman, Manager of Sterile Processing. The Facility is continuously tracking the operation of the ethylene oxide sterilizers. The sterilizers are operated around 20 times per month. They can only operate each sterilizer once a day (this is one cycle). Each cycle of operation uses around 0.25 lbs of 100% ethylene oxide, assuming all of this is emitted, the facility can emit no more than 0.5 lbs/day of ethylene oxide. This value is in compliance with the permit limit of 6.5 lbs/day. The greatest value of ethylene oxide the facility can emit in a month is 16 lbs, this would mean operating both sterilizers everyday for 31 days. This emission value is well below the permit limit of 141 lbs/month of ethylene oxide.

The facility is aware of the PTI ethylene oxide emission limits and will track the emissions per day and per month moving forward. At the time of my inspection it appeared Mid Michigan Health was in compliance with both PTIs and all other applicable state and federal air quality regulations.

NAME Sydney BruestleDATE 3/30/17 SUPERVISOR C. Moore