

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

N684367491

FACILITY: Central Michigan Crematory		SRN / ID: N6843
LOCATION: 455 N. Mason, MASON		DISTRICT: Lansing
CITY: MASON		COUNTY: INGHAM
CONTACT: Bob Dingee , Operations		ACTIVITY DATE: 04/27/2023
STAFF: David Rauch	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: A routine inspection of the facility was conducted to ensure compliance with PTIs 161-00, 228-09, 128-12.		
RESOLVED COMPLAINTS:		

On April 27, 2023, the State of Michigan's, Environment, Great Lakes, and Energy (EGLE), Air Quality Division conducted a routine inspection of Central Michigan Crematory. This facility is located in Ingham County and has 3 active PTI's.

Facility Contacts:

Bob Dingee, Facility Operator. 517-748-1240 b_dingee@yahoo.com

Facility Overview:

The facility runs early morning to late nights and runs all 3 crematories throughout the day. This facility only buns biomass and human contents. No animals or biowaste are burned in this facility. Facility monitors temperatures, weights, and times to maintain compliance of their 3 PTI's.

Regulatory Overview:

This facility is classified as a minor source due to the lack of Potential to Emit (PTE) criteria pollutants such as (carbon monoxide, nitrogen oxide, sulfur dioxide, volatile organic compounds, lead, particulate matter 10 and particulate matter 2.5 nor of Hazardous Air Pollutants ({HAPs}). Facilities that have higher PTE are considered major sources and renewable operating permits are required for those sources.

Fee Status:

This facility is a minor source that does not meet the MAERS Category F fee status and thus is a fee exempt source.

Previous inspection concerns:

Record keeping for temperatures and maintenance. Emission unit temperature not meeting requirements.

Inspection:

Arrived on site at 9:03 am and was greeted by Bob Dingee and was told to wait until things slowed down, as the facility was receiving new bodies at approximately 1 body every 15 minutes. The bodies that were being prepped were waiting to be placed in the cooler and held for final burn. The facility had 3 bodies burning while I was on site. All three units were operating at an

appropriate temperature, no emissions were observed from the stack and no odors were detected.

The facility had previously been cited for not maintaining records properly and not maintaining temperatures on units properly. The facility was aware of the previous issues and made sure to have all records on site and ensured temperatures were hot enough to meet permit requirements. Under PTI 161-00 the Crematory G shall maintain a minimum temperature of 1400 degrees, which had been the previously cited unit for not maintaining temperature. While on site the unit was operating above that temperature and the afterburn was at the correct temperature. The records for the unit also showed that the unit was running at proper temperatures and records were being maintained for time, temperatures, and weights of pathological waste. PTI 228-09 for Crematory F stated the unit shall maintain temperatures of 1450 degrees and shall not have weights of more than 750lbs per load. This unit was operating at an appropriate temperature during the inspection and record keeping was being maintained. Upon review of records the weights for the unit were being kept under 750lbs and temperatures were maintained above 1450 degrees. Staff kept temperature wheels and a paper log of all pathological waste burned in the unit. The most recent PTI for the facility is No. 128-12 and states the Crematory D shall maintain a temperature of 1600 degrees and have no more than 750lbs of human pathological waste per load. While on site the unit was maintaining a temperature of 1600 degrees and the weight of the load was under 750lbs. Records for the unit showed compliance with the temperature requirements and weight requirements.

Other records for this facility are the maintenance records that occur with the units. While on site Bob stated they had replaced a switch on Crematory G that had caused temperature issues and they had record of the maintenance. All records for this facility have been record on paper copies and have not been transferred to a digital copy. The temperature wheels are kept in a large box and are stored on site in the storage closet once they have collected them for each day of the month. All weight records are stored on a running paper list of each burn, dates and times can be matched with the temperature wheel to ensure compliance. All temperature wheels are labeled for the unit they are on as well as the weight records and maintenance records.

The last portion of the inspection was looking at the new emergency generator the facility installed. While on site the unit was getting worked on to ensure it would work properly in case the power is lost in the building. The emergency generator has a BTU input of 1.009million and is exempt under Rule 282. Staff also stated they have not had any power issues with the units, but the generator is to ensure the refrigeration unit does not go out as well as the crematories.

Emissions Units:

PTI Equipment	Temperature(°F)	Afterburn (°F)	PTI	Compliance
Crematory1 (G)	1722	1725	161-00 Natural Gas	Yes
Crematory2 (F)	1614	1650	228-09 Natural Gas	Yes

Crematory3 (D)	1602	1600	128-12 Natural Gas	Yes
Exempt Equipment	Exemption	Control	Vented	Compliance
Emergency Generator	282(b)(i)	NA	External	Yes

Conclusion:

The facility was in compliance with PTIs 161-00, 228-09, 128-12 and the previous inspection concerns were documented properly. These standards must be maintained for all future inspections. Facility was asked if they could make digital copies of records for a more organized system as the current paper system can be difficult to review and maintain.

NAME David RauchDATE 05/23/2023SUPERVISOR RB