

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

M422737348

FACILITY: West Michigan Crematory		SRN / ID: M4227
LOCATION: 1600 CRESTON ST, MUSKEGON		DISTRICT: Grand Rapids
CITY: MUSKEGON		COUNTY: MUSKEGON
CONTACT:		ACTIVITY DATE: 10/26/2016
STAFF: Chris Robinson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: The purpose of this scheduled unannounced inspection was to determine the facility's compliance with Permit No's. 152-11A and 149-16, as well as determine if the units covered under their older air permits 34-841 and 205-92 had been removed.		
RESOLVED COMPLAINTS:		

AQD staff Chris Robinson (CR) and Kaitlyn Devries (KD) were onsite to conduct a scheduled unannounced inspection on October 26, 2016, to determine the facility's compliance status with respect to Permit No's. 34-841, 205-92, 152-11A and 149-16.

CR and KD arrived at the facility at approximately 2:15 pm, both units were operating and no visible emissions or odors were observed. Mr. John King III, Vice President, provided CR and KD with a tour and pertinent information regarding the facility and operations contained therein.

West Michigan Crematory is a concrete burial vault manufacturer and human crematorium. The facility located at 1600 Creston Street is the human crematorium. The manufacturing of burial vaults occurs at the Getty Street facility (West Michigan Burial Vault). West Michigan Crematory currently has two installed and operating units covered under permit no. 152-11A (EU001 & EU003). The installation of unit EU004 has been permitted and approved but not yet installed.

PTI No. 34-841 and 205-92

The two units covered under these permits (All Crematory Model L-1701 units) have been removed from the facility and replaced with new units covered under Permit No. 152-11A. No compliance evaluation was completed under these permits and a void request has been submitted.

PTI No. 152-11A

Unit EU001 was installed in 2012 and EU003 was installed in 2011.

I - Emissions Limits

The facility is limited to 0.20lbs/1,000lbs of gas corrected to 50% excess air. Compliance with this condition is determined by proper operation. No visible emissions or odors were observed and the facility performs maintenance to keep everything in good working condition.

II - Material Limits

SC1) As required, the permittee only burns pathological waste as defined in 40 CFR 60.51c, in FG-Incinerators.

SC2) The facility shall not charge more than 750 pounds per charge in each unit. Based on discussions with Mr. King and the facility records, the facility has met this requirement.

SC3) The facility shall not burn any fuel other than natural gas. Per discussions with Mr. King both units are natural gas fired only.

III - Process/Operational Restrictions

SC1) The facility is aware of the requirement to operate at a minimum temperature of 1,600°F and a minimum retention time of 1.0 second in the secondary combustion chamber. At the time of this inspection unit EU001 was operating at 1,622°F and EU003 was operating at 1,620°F.

SC2) The facility is required to install, maintain and operate the units in a manner to control emissions. Per discussions with Mr. King and a records review, the facility is performing maintenance and operating the unit as required. Visible emissions and odors would indicate improper operation. Both units were operating during this inspection and no visible emissions or odors were observed.

IV - Design/Equipment Parameters

SC1) The facility has installed, maintained and operated a continuous temperature recorder to monitor the

secondary combustion chamber temperature of both units. Circle charts and maintenance records were provided and sufficient to demonstrate compliance with this condition.

SC2) In order to comply with SC.II.2, the facility weighs the charges in each unit using one of two scales maintained on-site.

V – Testing/Sampling

This facility has no testing/sampling requirements at this time.

VI - Monitoring/Recordkeeping

The facility met all of their monitoring and record keeping requirements. The following records were reviewed on-site:

- SC1&3) Continuous secondary combustion chamber temperature records
- SC2) Daily records of time (duration of burn), description, and weight
- SC4) Service, maintenance and equipment inspection records

VII – Reporting

This facility has no reporting requirements at this time.

VIII - Stack/Vent Restrictions

Although AQD staff did not physically measure the stacks, a visual inspection was conducted and the stacks appear to meet permit requirements.

Appendix A (O&M Guidelines)

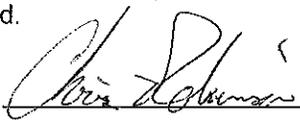
Per discussions with Mr. King and a records review, the facility is in compliance with their O&M guidelines.

PTI No. 149-16

This permit was approved on September 30, 2016 for the installation of emission unit EU004. Unit EU004 is a Matthews International Power-Pak II Plus, Natural Gas Incinerator, with a burn rate of 175 lbs. /Hr. As of the date of this inspection, no equipment had been installed. Therefore, no compliance evaluation was completed.

Conclusion

Based on observations made during the October 26, 2016 inspection and record review, West Michigan Crematory appears to be in compliance with PTI No. 152-11A. Unit EU004 has not yet been installed. Therefore, no compliance evaluation was conducted for permit 149-16. Permits 34-84I and 205-92 will be voided.

NAME 

DATE 11/2/2016

SUPERVISOR 