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

N215447544

FACILITY: Oak Haven Crematorium		**SRN / ID:** N2154
LOCATION: 10950 Northland Dr, ROCKFORD		**DISTRICT:** Grand Rapids
CITY: ROCKFORD		**COUNTY:** KENT
CONTACT: Mike Plesko , Owner		**ACTIVITY DATE:** 01/10/2019
STAFF: Adam Shaffer	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** MINOR
SUBJECT: Scheduled unannounced inspection.		
RESOLVED COMPLAINTS:		

Air Quality Division (AQD) staff Adam Shaffer (AS) arrived at the Oak Haven Crematorium (OHC) facility located in Rockford, MI at 10:45am on January 10, 2019 to complete a scheduled unannounced inspection.

Facility Description

Prior to entering the facility, offsite odors and visible emission observations were completed. The weather conditions at the time of the inspection were winds from the north/northwest at 10-15mph, low 20's °F and cloudy skies. No identifiable odors were noted and what appeared to be steam was observed being emitted from the site.

Upon arrival AQD staff AS spoke with the receptionist who contacted Mr. Mike Plesko, Owner, of OHC. Mr. Plesko was offsite at the time but agreed to come on site and gave a tour of the facility and answered site specific questions.

Site operations at the time of the inspection included a pet daycare, grooming operation and a pet crematorium. The site is currently listed in operation with one Permit to Install (PTI) No. 10-89I for a Crawford C1000P incinerator with an associated afterburner. When speaking with Mr. Plesko it was concluded that the incinerator was removed off site in 2014. This was verified during the course of the site inspection. Based on the observations made, PTI No. 10-89I shall be voided.

OHC currently utilizes a bio liquification process for their cremation operations. The process consists of a bio liquidator system with an associated boiler. The equipment was installed in April 2015. OHC processes only animal remains. The bio liquidificator can process up to approximately 2,500 lbs of animal remains per batch. The length of time per batch is approximately 24 hours with the tank being sealed. The process begins by loading the animal remains and adding water to the tank. The boiler observed is used to heat the water for the process to approximately 200°F. The boiler is 327,000 Btu/hr in size, utilizes only natural gas and appears to be exempt per Rule 282(2)(b)(i). Next, a mixture of potassium hydroxide and sodium hydroxide is added to the tank based on the size of the batch load to be processed. The process dissolves the animal remains until only bones are left to be collected. Agitators are run during the cycle to help in the process. The effluent from the batch is stored in a 4,000 gallon underground storage tank located along the exterior portions of the site. Approximately every six weeks the effluent is collected and taken off site by Kerkstra Services. One stack was observed venting externally from the tank portion of the bio liquidificator. After further review of the process, it appears to not be subject to air pollution control rules since there appears to be no potential emissions generated.

Conclusion

Based on the facility walk through, OHC appears to be in compliance with all applicable air pollution control rules.

NAME Adam J. Shaffer DATE 01/15/19 SUPERVISOR