

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

P001956142

<b>FACILITY:</b> County of Oceana		<b>SRN / ID:</b> P0019
<b>LOCATION:</b> 2185 W. Baseline Rd., SHELBY		<b>DISTRICT:</b> Grand Rapids
<b>CITY:</b> SHELBY		<b>COUNTY:</b> OCEANA
<b>CONTACT:</b> Mike Garcia , Animal Control Officer		<b>ACTIVITY DATE:</b> 10/21/2020
<b>STAFF:</b> Scott Evans	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> An on-site inspection conducted to asses compliance with PTI No. 284-09 and other applicable rules.		
<b>RESOLVED COMPLAINTS:</b>		

### Introduction

On Wednesday, October 21, 2020, State of Michigan Department of Environment, Great Lakes, and Energy Air Quality Division staff Scott Evans (SE) conducted an on-site air quality inspection of the Oceana County Animal Control facility located at 2185 West Baseline Road in Shelby Michigan. The purpose of this inspection was to assess the facility's compliance with Permit to Install (PTI) No. 284-09 and all other applicable air quality regulations.

The Oceana County Animal Control facility is a shelter in which animals are detained for various reasons until they can be rehomed, relocated, or euthanized, depending on what each situation calls for. The facility has a small crematory in its back-yard area for management of euthanized animal corpses.

Upon arrival at the facility, there were no signs of odors or visible emissions from the facility. After entering the facility, SE was greeted by Animal Control Officers Mike Garcia (MG) and Mike Nielsen (MN). After a brief discussion of the purpose of the visit, a visual inspection was conducted of the facility. In observance of COVID-19 safety measures, records were obtained and reviewed remotely. Proper PPE and social distancing were maintained during the on-site inspection.

### PTI No. 284-09

PTI No. 284-09 contains one emission unit (EUCREMATORY1).

The emission unit has one emission limit:

- 0.20 lb of Particulate Matter (PM) per 1,000 lbs of gas, corrected to 50% excess air.

The emission unit has three material limits:

- Only Pathological Wastes as defined in New Source Performance Standard (NSPS) 40 CFR 60.51c may be burned.
- No more than 400 lbs may be burned at once.
- Only diesel fuel may be burned to operate the cremator.

Demonstration of the equipment during the inspection showed that only diesel fuel was used during operation and only pathological waste was added during operation. During operation there was no visible opacity coming from the unit's stack. Records demonstrating compliance with the weight limit are discussed further below.

The crematory is restricted to being used only when a minimum temperature of 1600°F in the secondary combustion chamber is maintained and if the incinerator is installed and maintained properly. During the visual inspection the equipment was in good condition and during operation

the temperature of the secondary combustion chamber was brought up to 1600°F and held when the bio-matter was added. As required by the permitted design parameters, a digital temperature monitor was connected to the incinerator and provided constant information on the temperature of the afterburner.

The following records are required to be kept by the PTI:

- Temperature must be monitored and recorded continuously during operation of the crematory.
- Descriptions of time, type of waste, and weight of waste must be maintained on a daily basis.
- Temperature records of secondary combustion chamber must be maintained.

When asked, the facility was able to provide necessary records. Confirmation of record keeping regarding temperatures of primary and secondary chamber temperatures were assessed on sight during the inspection. These records were automatically tracked and recorded by the digital system. Historic record of this data was confirmed on site and it demonstrated consistent practice of keeping the secondary combustion chamber at 1600°F as required by the permit during all burns. The digital monitor showed continuous temperature readings and the storage of said readings in electronic format were observed.

After the inspection, MG provided records of time, type of waste, and weight of waste remotely for the time period of August 2019 to October 2020 (through the date of the inspection). Records reflected that the crematory was operated infrequently based on need. As the facility primarily tries to rehome or relocate animals, it is believed to be accurate when burn records often reflect multiple months passing between burns. The records provided listed the type of animal(s) burned, the weight of each individual animal as well as of all animals burned at once, and the date that the burn occurred. All records demonstrated compliance with all above requirements, with the largest burn occurring on August 14, 2019, when four animals were burned for a total weight of 155 lbs.

Though not explicitly measured, the stack connected to the equipment appeared to be the originally constructed stack and appeared to meet height and diameter requirements.

#### **Exempt and Other Items**

This facility was a small facility that had no other equipment in need of permitting or verification of exemption status.

#### **Conclusion**

At the conclusion of the inspection, the facility appeared to be in compliance with the requirements of PTI No. 284-09 and with all other applicable air quality regulations.

NAME Scott Evans DATE 11/19/2020 SUPERVISOR PHH