

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

P055062905

<b>FACILITY:</b> PAWS UPON THE HEART, LLC		<b>SRN / ID:</b> P0550
<b>LOCATION:</b> 5035 HOLT ROAD, HOLT		<b>DISTRICT:</b> Lansing
<b>CITY:</b> HOLT		<b>COUNTY:</b> INGHAM
<b>CONTACT:</b> Kevin Greenhoe , Manager		<b>ACTIVITY DATE:</b> 12/07/2021
<b>STAFF:</b> Samantha Davis	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> Scheduled inspection for compliance with PTI No. 148-14.		
<b>RESOLVED COMPLAINTS:</b>		

On 12/07/2021, the DEQ, AQD conducted a scheduled inspection of Paws Upon the Heart, a pet crematory facility.

**Environmental contacts:**

Al Jensen, Co-Owner; 517-484-7392; [ajensen@palmerbush.com](mailto:ajensen@palmerbush.com)

Kevin Greenhoe, Manager; 517-484-7392; [kgreenhoe@pawsupontheheart.com](mailto:kgreenhoe@pawsupontheheart.com)

**Facility description:**

This is a pet crematory facility, which provides pet funeral and cremation services.

Emission unit ID	Emission unit description	Permit to Install (PTI) No.	Compliance status
EU-CREMATORY1	NCE-Crawford-EMCOTEK C500P; a multi-chambered incinerator with an afterburner  Fuel type: natural gas  Maximum charge: 200 lbs  Burn rate; 75 lbs/hr  Charge type: animal (pet) remains	148-14	Compliance

**Regulatory overview:**

This facility is regulated by Permit to Install (PTI) No. 148-14. This facility is considered a true minor source. A major source has the potential to emit (PTE) of 100 tons per year (TPY) or more, of one of the criteria pollutants. Criteria pollutants are those for which a National Ambient Air Quality Standard exists, and include carbon monoxide, nitrogen oxides, sulfur dioxide, volatile organic compounds, lead, particulate matter smaller than 10 microns, and particulate matter smaller than 2.5 microns. It is considered a minor or "area source" for Hazardous Air Pollutants (HAPs), because it is not considered to have a PTE of 10 TPY or more for a single HAP, nor to have a PTE of 25 TPY or more for combined HAPs.

**Fee status:**

This facility is not considered fee-subject, for the following reasons. Because it is not a major source for criteria pollutants, it is not classified as Category I. Additionally, because it is not a major source for Hazardous Air Pollutants (HAPs), and is not subject to federal New Source Performance Standards, it is not classified as Category II. Finally, because it is not subject to federal Maximum Achievable Control Technology standards, it is not classified as Category III. The facility is not required to submit an annual air emissions report via the Michigan Air Emissions Reporting System (MAERS).

**Location:**

The crematory is located at the Palmer, Jensen, & Bush funeral home, in Holt.

**Inspection:**

I arrived, around 11:00 am. I could not identify any odors or visible emissions coming from the stack.

We went into the separate structure where EU-CREMATORY1 is housed. The unit was operating and was about halfway through a charge. The unit was at approximately 1,663 degree F.

Special Condition No. III.1. of PTI No. 148-14 specifies that waste shall not be combusted in EU-CREMATORY1 unless a minimum temperature of 1,600 degrees F is maintained, along with a minimum 1 second retention time in the secondary combustion chamber. I was informed that they will hold the secondary chamber at 1,650 degrees F for 15 minutes, and then allow the primary chamber to come online, slowly. During the cremation cycle, a timer will tell how many minutes remain until the cycle is finished. I was informed that EU-CREMATORY1 has sensors which will shut the unit down, if smoke emissions go over 20% opacity.

On their circular recording chart for temperatures, I was informed that green ink is used for the primary chamber temperature, and red for the secondary chamber temperature. I reviewed a number of these charts. Each chart represents a 24-hour day. The company is in compliance with the requirement to monitor and record operating temperatures.

I was shown detailed records on each cremation, for the type of cremation, individual or batch, and weight. I was told that they never go over a charge weight of 200 lbs.

Susan Jensen emailed me a copy of their most recent preventative maintenance inspection report performed 4/24/21. It was performed by a factory certified technician. The report came back good except for there are cracks on the inside of the incinerator. The report indicates that a rebuild will be necessary in the next 1-3 years.

I left the site at 12:00 PM.

**Conclusion:**

I did not identify any instances of noncompliance, nor any areas of concern. The facility was neat, clean, and orderly.

NAME Samantha Davis

DATE 5/19/22

SUPERVISOR BM