

P0348
MawilaDEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

P034873199

FACILITY: SERENITY CREMATION SERVICES		SRN / ID: P0348
LOCATION: 12613 UNIVERSAL DRIVE, TAYLOR		DISTRICT: Detroit
CITY: TAYLOR		COUNTY: WAYNE
CONTACT: Scott Graham ,		ACTIVITY DATE: 08/21/2024
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : 8/21/2024
TIME OF INSPECTION : 11:15 am
INSPECTED BY : Jill Zimmerman
PERSONNEL PRESENT : Scott Graham
FACILITY PHONE NUMBER : 734-946-5222

FACILITY BACKGROUND

Serenity Cremation Services is a human crematory owned by Santieu Vaults which is located in Livonia. The facility is located in an industrial area. The facility operates during normal business hours.

REQUIRED PPE

During the onsite inspection I wore safety glasses, a safety vest, and steel toed safety shoes.

COMPLAINT/COMPLIANCE HISTORY

An opacity complaint was received on June 11, 2021. The complaint was resolved when the inspector met with the complainant.

PROCESS EQUIPMENT AND CONTROLS

The facility operates four human cremation units. Each unit operates on natural gas only. Each unit is limited to a maximum charge weight of 750 pounds.

INSPECTION NARRATIVE

I arrived at the facility, and I did not observe any opacity coming from the rooftop stacks. I then entered the facility. Although the office area was vacant, I entered the work area and spoke with Mr. Scott Graham. Mr. Graham was operating each of the four units and appeared to be working alone in the facility. Mr. Graham explained that he was a newer

- IV. Design/Equipment Parameters: Compliance – A temperature recording device was installed on the unit and appeared to be operating properly. Mr. Graham was unsure if a scale was on site, though he said that all bodies arrive with a weight listed from the funeral homes.
- V. Testing/Sampling – NA
- VI. Monitoring/Recording: Compliance – A temperature recording device was located on the unit. Each body arrives from the funeral home with paperwork containing the identification and weight of the body. The start and end time for each burn is recorded.
- VII. Reporting – NA
- VIII. Stack/Vent Restrictions: Compliance – The stacks appear to have been installed properly and have not been modified.
- IX. Other Requirements – NA

EU-CREMATORY3

- I. Emission Limits: Compliance – PM emissions are limited to 0.20 pounds per 1,000 pounds of gas, corrected to 50% excess air. During the onsite inspection no opacity was observed.
- II. Material Limits: Compliance – The facility only burns deceased human bodies. Mr. Graham said that the bodies average about 250 pounds by weight and the units have a maximum weight of 750 pounds. Only natural gas is used to fire the unit.
- III. Process/Operational Restrictions – The facility has installed a temperature reader on each unit. Mr. Graham stated that the units are set to a temperature of at least 1650 F which is above the minimum temperature of 1600 F.
- IV. Design/Equipment Parameters: Compliance – A temperature recording device was installed on the unit and appeared to be operating properly. Mr. Graham was unsure if a scale was on site, though he said that all bodies arrive with a weight listed from the funeral homes.
- V. Testing/Sampling – NA
- VI. Monitoring/Recording: Compliance – A temperature recording device was located on the unit. Each body arrives from the funeral home with paperwork containing the identification and weight of the body. The start and end time for each burn is recorded.
- VII. Reporting – NA
- VIII. Stack/Vent Restrictions: Compliance – The stacks appear to have been installed properly and have not been modified.
- IX. Other Requirements – NA

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EU-CREMATORY4

- I. Emission Limits: Compliance – PM emissions are limited to 0.20 pounds per 1,000 pounds of gas, corrected to 50% excess air. During the onsite inspection no opacity was observed.
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- IX. Other Requirements – NA

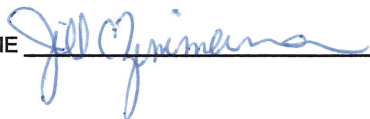
SLEIS REPORT REVIEW

The facility is exempt from submitting an annual emissions report.

FINAL COMPLIANCE DETERMINATION

Serenity Cremation Services appears to be operating in compliance with all permit conditions as well as all state and federal regulations.

NAME



DATE

9/5/2024

SUPERVISOR

JK