

P0731

MAW134

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

P073145655

FACILITY: J & A CREMATION, INC		SRN / ID: P0731
LOCATION: 23700 WEST ROAD, BROWNSTOWN		DISTRICT: Detroit
CITY: BROWNSTOWN		COUNTY: WAYNE
CONTACT: Darrin Johns , Operator		ACTIVITY DATE: 08/16/2018
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : August 16, 2017  
TIME OF INSPECTION : 10:30 am  
INSPECTED BY : Jill Zimmerman  
PERSONNEL PRESENT : Darrin Johns, Operator  
FACILITY PHONE NUMBER : 734-595-7300  
FACILITY EMAIL : darrin@molnarfuneralhome.com

**FACILITY BACKGROUND**

J & A Cremation, Inc. is located in Brownstown Township in a commercial and residential area. The facility operates a crematory in conjunction with Molnar Funeral Home. The crematory was installed in 2017 and offers a viewing area for family members.

**REQUIRED PPE**

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

**COMPLAINT/COMPLIANCE HISTORY**

No complaints have been received regarding this facility. No violations have been issued to this facility in the past.

**PROCESS EQUIPMENT AND CONTROLS**

The facility brings in the identified body, which is then weighed before entering the crematory. The temperature, fuel levels, oxygen levels and other controls can be controlled through a computer program, the controls on the device or through a smart phone application. The equipment maintenance and software are managed by Faultatieve Technology.

**INSPECTION NARRATIVE**

I arrived at the facility and initially observed the exhaust stack for visible emissions. Next, I met with Mr. Darrin Johns. Together we discussed the operations of the equipment and reviewed the records. There was a body in the equipment during the inspection. The equipment was operating at 1694 °F during the onsite inspection. Mr. Johns stated that the equipment operates at a target temperature of 1625 °F.

Before the equipment operates, records are collected, which include an identification of the body and weight of the body. Mr. Johns records this information on a log sheet as well as on the daily calendar. Mr. Johns also records the start-up and ending time that the crematory operated.

The crematory was installed in 2017, with the first cremation occurring on August 23, 2017. A viewing area is available, should family members choose to witness the cremation. To date, twenty families have chosen this option.

**APPLICABLE RULES/PERMIT CONDITIONS**

This facility operates under permit to install (PTI) 134-16. The special conditions are:

EU-ALCRUCHINGCREMATORY01

I. Emission Limits

1. Compliance – The PM emissions are limited to 0.20 lb/1000 lb exhaust. No VE were

observed rising from exhaust stack while the equipment was operating.

II. Material Limits

1. Compliance – The facility only burns human bodies.
2. Compliance – The facility limits the burn to bodies weighing less than 425 pounds. Anything weighing more is sent to a larger facility that is built to handle this weight.
3. Compliance – Natural gas is the only fuel used to power this equipment.

III. Process/Operational Restrictions

1. Compliance – The minimum target temperature to operate the equipment is 1625 °F. During the onsite inspection the equipment was operating at 1694 °F based on the digital readout on the equipment.
2. Compliance – Routine maintenance is performed on the equipment at least twice a year by Faultative Technology.

IV. Design/Equipment Parameters

1. Compliance – The secondary burner is installed and operating properly. The equipment is maintained regularly, and all manufacturer directives are followed.
2. Compliance – The facility has installed a digital temperature readout on the equipment. All temperatures are recorded through the computer software provided by Faultative Technology and were reviewed during the onsite inspection.
3. Compliance – The facility maintains a scale to weigh all bodies before the process begins. The weight is recorded on both the calendar with the body identification and the log sheet used for each body.

V. Testing/Sampling – NA

VI. Monitoring/Recordkeeping

1. Compliance – All records were reviewed during the onsite inspection. The records are maintained instantaneously while the equipment is operating.
2. Compliance – The temperature is continuously recorded through the computer software and stored in an onsite computer. A digital reading of the temperature is located on the equipment.
3. Compliance – The time the equipment operates for each body is recorded on a calendar with the weight and ID for each body. A log is also maintained for each body with included the weight and ID.
4. Compliance – The time a body is in the equipment is recorded on a calendar for each body.
5. Compliance – The temperature is continuously recorded through the software provided by Faultative Technology and was reviewed during the onsite inspection.
6. Compliance – The facility tracks all maintenance through the computer program provided by Faultative Technology.

VII. Reporting – NA

VIII. Stack/Vent Restrictions

1. Compliance – The stacks were installed properly and have not been modified since the installation.

IX. Other Requirements – NA

**MAERS REPORT REVIEW**

J & A Cremation, Inc is not required to submit MAERS.

**FINAL COMPLIANCE DETERMINATION**

J & A Cremations, Inc appears to be operating in compliance with all state and federal regulations, as well as all permit conditions. No complaints have been received regarding this facility. No violations have been issued to this facility.

NAME Jill Zimmerman

DATE 8/17/18

SUPERVISOR JK