

N7904  
MANILA

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

N790441053

FACILITY: JENNIFER CREMATION INC		SRN / ID: N7904
LOCATION: 21293 RUSSELL, ROCKWOOD		DISTRICT: Detroit
CITY: ROCKWOOD		COUNTY: WAYNE
CONTACT: Jeff Pilch , Operator		ACTIVITY DATE: 08/11/2017
STAFF: Jill Zimmerman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Target Inspection		
RESOLVED COMPLAINTS:		

DATE OF INSPECTION : August 11, 2016  
 TIME OF INSPECTION : 10:00 am  
 LEVEL OF INSPECTION : II  
 NAICS CODE : 812220  
 EPA POLLUTANT CLASS : PM  
 INSPECTED BY : Jill Zimmerman  
 PERSONEL PRESENT : Jeff Pilch, Operator  
 FACILITY EMAIL ADDRESS : jeffpilch@icloud.net

### FACILITY BACKGROUND

Jennifer Cementation Inc. a pathological waste incinerator which can burn only human or animal remains, anatomical parts, and/or tissue, the bags/containers used to collect and transport the waste material, and animal bedding. The specific equipment permitted at this location is a Matthews International Incinerator Model 1E43-PP11 Power PAKII double chamber designed with primary and secondary air inputs. This facility was last inspected on May 12, 2016.

### REQUIRED PPE

During the onsite inspection, I wore steel toed shoes and eye protection.

### COMPLAINT/COMPLIANCE HISTORY

No complaints have been received regarding this facility. A violation notice (VN) was issued on October 7, 2016 for the failure to install a device to monitor the operating temperature in the secondary chamber of the incinerator. This letter was returned to the MDEQ office when the post office was unable to deliver to the listed address. During the onsite inspection, I verified the mailing address based on the paperwork at the facility. The mailing address is:

21293 Russell Street  
Rockwood, MI 48173

### PROCESS EQUIPMENT AND CONTROLS

The facility was permitted to operate a Matthews Model Power Pak II used for human cremation. This equipment was natural gas fired with a maximum charge of 750 pounds and a burn rate of 150 pounds per hour. The equipment typically operates three days per week, Tuesday, Thursday and Friday based on workloads.

### INSPECTION NARRATIVE

On August 11, 2017 at 2:00 pm I met with Mr. Pilch, and we discussed the process at this location. The equipment was not operating at the time of the inspection. Typically, the human body is brought to the facility and cremated, which takes approximately 3 hours. Temperature was being monitored and recorded. I reviewed the temperature records. The facility maintains

a chart recorder which records the operating temperature of the equipment. The unit is fueled by natural gas. The incinerator is allowed to preheat for approximately 20 minutes before being used. The facility also records the client number on a form for each client. This form contains the weight of the body being burned and the time in the incinerator. This information is also recorded on a monthly calendar. Past years of the calendar are stored at the facility. These records were reviewed during the onsite inspection.

Mr. Pilch was unaware of the VN because it had been returned to sender. I explained that I needed to verify that the temperature was being recorded and that I needed to verify the mailing address. I verified the address based on the intake forms used at the facility. Though the equipment was not operating, I verified that the temperature gauge had been installed and the records were being collected.

### **APPLICABLE RULES/PERMIT CONDITIONS**

The facility operated a pathological incinerator. This equipment was operating under permit to install 355-07. The special conditions are as follows:

**EU-CREMATORY-1:** A Matthes Model Power Pak II natural gas fired human crematory with a maximum charge of 750 pounds.

- 1.1 Compliance – No opacity was observed during the onsite inspection.
- 1.2 Compliance – Only human bodies are burn at this facility.
- 1.3 Compliance – The unit operates at 1675 F, which is higher than the minimum operating temperature of 1600 F.
- 1.4 Compliance – The unit appears to be following proper maintenance.
- 1.5 Compliance – The facility is monitoring and recording the operating temperature.
- 1.6 Compliance – The facility currently records the time, a description of the waste and weight of the waste. These records are maintained on both a calendar and on a log sheet associated with each body.
- 1.7 Compliance – The facility monitors and records the temperature while the unit is operating.
- 1.8 Compliance – The stack was installed to proper design requirements and has not been changed since it was installed.

### **Incinerator Operation and Maintenance Guidelines**

1. Compliance – Mr. Pilch, a trained operator, is responsible for operating this unit. He was trained following the recommendations from the manufacturer.
2. Compliance – The unit is cleaned after each body is burned.
3. Compliance – The unit is preheated for approximately 20 minutes.
4. Compliance – The unit is not overloaded and all waste is loaded based on the manufacturer's instructions.
5. Compliance – The unit operates in a manner to minimize smoke and all emissions.
6. Compliance – Only human bodies are burned in this unit.
7. Compliance – The unit operates based on manufactures recommendations.
8. Compliance – The stack is watched to ensure that minimal smoke and emissions are emitted.
9. Compliance – The manufacturer's manual was located near the unit.
10. Compliance – The operator inspects the equipment on a quarterly basis.

### **MAERS REPORT REVIEW**

NA

**FINAL COMPLIANCE DETERMINATION**

Jennifer's Cremation Inc. appears to be operating in compliance with Permit 355-07. The facility has installed a temperature recording device located on the equipment. The installation and recording of the temperatures resolves the VN that was issued on October 7, 2016.

NAME 

DATE 8/14/17

SUPERVISOR JK