

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

P112458328

<b>FACILITY:</b> Memorial Fields Crematory, LLC		<b>SRN / ID:</b> P1124
<b>LOCATION:</b> 375 Enterprise Drive, BRECKENRIDGE		<b>DISTRICT:</b> Lansing
<b>CITY:</b> BRECKENRIDGE		<b>COUNTY:</b> GRATIOT
<b>CONTACT:</b> Howard Crevia , President		<b>ACTIVITY DATE:</b> 05/25/2021
<b>STAFF:</b> Samantha Davis	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> First inspection of a new facility for compliance with PTI No. 56-20.		
<b>RESOLVED COMPLAINTS:</b>		

David Crevia, Owner/Operator, 989-481-3056, dhcrevia@hotmail.com

Howard Crevia, Owner/Operator, 989-481-3056, howardmfc@outlook.com

This was an announced scheduled inspection of a new facility to determine compliance with Permit to Install (PTI) No. 56-20. Inspection was announced due to recent guidelines due to the COVID-19 pandemic.

Memorial Fields Crematory have two incinerators for human cremation. They are located in Breckenridge, MI at the back of an industrial area in Gratiot county with no nearby residents.

**Inspection:**

I had a scheduled inspection at 1:30pm but arrived on site early at approximately 12:30pm. There were no visible emissions or odors upon my arrival. David took me into the facility and showed me the incinerators, which were both running at the time. Unit 1 was reading a secondary chamber temperature of 1651 degrees F, and Unit 2 was reading 1652 degrees F. Both units are set to 1650 degrees F. Howard joined us later for the remainder of the inspection, including records review. The incinerators are both B&L Phoenix II-1 that run off natural gas and have a max charge weight of 1000 lbs. Typically, they run about 3 charges per unit per day.

There is no laser engraving device on site. There is a grinder on site to grind up any remains that do not get finished in the incinerator, and this is also where any metal is sorted and separated out. I inquired how often pacemakers are not removed prior to cremation. David informed me that it is the funeral homes responsibility to remove any pacemakers and that it happens rarely, maybe 1-2 per month. Fortunately, a pacemaker exploding in the unit has never caused any damage to the unit. When one is found they usually notify the funeral home that a pacemaker was found when the remains are sent back so that the funeral home can be more cautious in the future.

They have never burned anything other than human remains and has never been asked to burn any pharmaceuticals for local authorities or hospitals. The units have a max charge capacity of 1,000 lbs. There is a transportation cart equipped with a scale that gives the weight of the charges coming in. David and Howard informed me of some of the maintenance they plan to perform on the units, which consist of changing out the thermocouple, and changing and cleaning out the ignitor. They had someone from B&L come out to set up the incinerators and plan to have someone do a yearly inspection of the units. I asked what they do to limit opacity during charges.

They informed me that they perform heavy/obese charges first thing in the morning when the unit is cooler, and this helps limit the chance of there being opacity. Because of where the flame in the unit is, they also insert the heavier charges in head first instead of feet first to start the cremation of the charge more slowly.

I took a look at the circular chart recorder, which appeared to be working properly, and records of charges. Weight of charges is not kept on the charge records but is kept on the charge descriptions that come in with the bodies, these records are also kept on file indefinitely. The PTI requires a minimum temperature of 1600 degrees F. According to the circular chart records a minimum temperature of 1600 degrees F was being retained for every charge.

The permit requires the stacks to be a minimum height of 22' above ground. I used the district's Forester Pro II rangefinder to measure the stacks, and they measured approximately 23.5'. It appears that Memorial Fields Crematory is in compliance with their PTI No. 56-20.

NAME Samantha Davis

DATE 6/7/2021

SUPERVISOR B. M.