

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

M343059975

<b>FACILITY:</b> OAK HILL CEMETERY CO		<b>SRN / ID:</b> M3430
<b>LOCATION:</b> 255 SOUTH AVE, BATTLE CREEK		<b>DISTRICT:</b> Kalamazoo
<b>CITY:</b> BATTLE CREEK		<b>COUNTY:</b> CALHOUN
<b>CONTACT:</b> Linda Hyslop , General Manager		<b>ACTIVITY DATE:</b> 09/09/2021
<b>STAFF:</b> Amanda Chapel	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b>
<b>SUBJECT:</b>		
<b>RESOLVED COMPLAINTS:</b>		

On September 9, 2021 Air Quality Division's (AQD) Amanda Chapel (staff) arrived at Oak Hill Cemetery to conduct an unannounced air quality inspection. The facility was last inspected by the AQD on October 31, 2016 and was determined to be in compliance at the time. The facility has two crematories on site, a Power Pak Model IE 43 and B&L Model N-20AA with associated PTIs No. 6-78I and 271-99. The purpose of the inspection was to determine compliance with the permits to install and all other applicable state and federal air quality regulations.

I made initial contact with Ms. Linda Hyslop, General Manager and Ms. Stephanie Prough, Administrative Assistant and provided business cards and stated the purpose of the visit. Ms. Prough said that neither of the crematories were currently in operation and the number of cremations were down from previous years. She also said that the Power Pak Model IE 43 (PTI No. 6-78I) had been completely taken out of service and the natural gas line disconnected. This unit has not run in more than 2 years. It could be reconnected and put back into service, but major upgrades are needed. The front office keeps records of cremation including the name, date of birth, date of death, cause of death if known, and date the remains are returned to the funeral home. The facility cremates approximately 25-30 bodies per month or about 360 a year. Operational hours are 8:30 am to 5:00 pm.

Mr. Kenneth Prough is the main operator of the crematories but he was not available during most of the inspection and Ms. Stephanie Prough showed me around site. The facility cremates remains that are contained in cardboard caskets, wood bottom trays, and cloth and wood caskets that are designed for cremations. First, we visited the room containing the Power Pak model. She was able to open the door and show me that there was nothing inside and explained there are two sources of heat, one at the end and one that comes from the top. The average cremation time in this unit is about 3 hours. Since the facility has disconnected this unit, a compliance evaluation was not completed. Staff advised that the facility keep the permit for this unit, however, in case they needed the capacity in the future.

Ms. Prough took staff to the newer crematory unit, B&L Model N-20AA. Ms. Prough opened the door to the unit to staff could see where the burner block was in the chamber. She turned on the unit temporarily to show staff that the afterburner combustion temperature on the control panel is pre-set to 1615 degrees F which demonstrates compliance with PTI No. 271-99 SC.3. We walked around back where she explained how the ash is swept out to the back of the unit and collected in box containers. This is also where the pollution monitoring system eye (ie optomonitor) is set in the exhaust stack and set to alarm.

The facility does not burn any pathological waste or trash. The unit typically preheats for approximately 30 minutes and then cycles between 1615- and 1675-degrees F. The unit self

regulates to keep the temperature within this range during processing. The unit typically takes about 3.5 to 4 hours to cremate a body. It is recommended that the facility record both the time the body enters the cremation unit and the time the process is finished. The grates are cleaned after every cremation. In order to not overload the unit, they don't accept bodies larger than 350 lbs and minimize charges by limiting the door openings to twice per cycle. Inspections are completed as needed. These should be completed quarterly, per the permit.

At the time of the inspection, it is recommended that the facility update their recordkeeping but are in compliance with the requirements of PTI Nos. 6-78I and 271-99.

NAME *Amanda Clapp*

DATE 9/21/201

SUPERVISOR *R/L* 9/21/21