

**DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection**

N583931989

FACILITY: Myrtle Park Crematorium	SRN / ID: N5839
LOCATION: 9619 NORTHLAND DR NE, ROCKFORD	DISTRICT: Grand Rapids
CITY: ROCKFORD	COUNTY: KENT
CONTACT: William Burke , President	ACTIVITY DATE: 10/23/2015
STAFF: Kaitlyn DeVries	COMPLIANCE STATUS: Compliance
	SOURCE CLASS: MINOR
SUBJECT: The purpose of this inspection was to determine compliance with Permit to Install (PTI) Number 155-96B, any other applicable Air Quality Rules and Regulations, and investigate the complaint received on October 22, 2015.	
RESOLVED COMPLAINTS: C-16-00141	

On Friday October 23, 2015 AQD Staff Kaitlyn DeVries (KD) conducted an unannounced, self-initiated inspection of Myrtle Park Crematorium located at 9619 Northland Dr. NE Rockford, Michigan. The purpose of this inspection was to determine compliance with Permit to Install (PTI) Number 155-96B and any other applicable Air Quality Rules and Regulations. This unannounced inspection is in response to a complaint received by the Office of Environmental Assistance on Thursday October 22, 2015 about black smoke emanating from the stacks.

KD arrived on site at approximately 10:10 am. No visible emissions or opacity was observed in the driveway of the facility, prior to entry. KD met with Mr. Job Murphy, Operator, who informed KD that this facility was under new ownership. The facility was now owned by Mr. Bill Burke Jr., who owns Rosedale Memorial Gardens. KD left the facility at approximately 11:05 am.

Facility Description:

Myrtle Park Crematorium (Myrtle Park) is a human crematory, which operates three (3) units. Myrtle Park operates one (1) Matthews Cremation Division IEE Super Power Pack III installed in 2004, and two (2) IE43 Power Pack II's, installed in 1996 and 1999.

Compliance Evaluation:

As indicated above, Myrtle Park is under new ownership. KD confirmed this with the new owner, Mr. Bill Burke Jr. Myrtle Park operates the three (3) units under PTI No. 155-96B. All three units are natural gas fire, and are identified as EU-Incinerator1, EU-Incinerator2, and EU-Incinerator3. The three (3) units are located all within the same room, going left to right they are units 1, 3, and 2. Unit 3 is the newest, and was installed in 2004. At the time of the inspection, all three (3) units were operating and had just been loaded prior to KD's arrival. Mr. Murphy explained that unit 1 had recently had the floor replaced. KD explained that under Rule 285, the reconstruction needed to be less than 50% of the capital cost associated with a new unit. KD also explained this information to Mr. Burke Jr. over the phone. Mr. Burke supplied KD with this information, and appears to be less than the 50% capital cost (see attached for further details).

The three (3) units, identified in the permit as FG-Incinerators, have a particulate matter (PM) limit of 0.20 pounds per 1,000 pounds of exhaust gases, corrected to 50% excess air based on test protocol. Per Mr. Murphy, only human remains (pathological wastes) are burned in the units. All three (3) units are required to maintain a minimum temperature of 1600°F, and per Mr. Murphy, the manufacturers operational temperatures of the units are 1650°F – 2100°F. At the time of the inspection, unit 2 was slightly below 1600°F, and per Mr. Murphy this was due to the low temperature of the remains when the unit is loaded. Mr. Murphy went on to explain that the units are pre-heated and are up to operational temperature when loaded, however, they have a tendency to drop in temperature immediately after loading. During the conversation KD was able to observe an increase in temperature, and the unit was running above 1600°F by the end of the conversation.

Only EU-Incinerator3 is required to be equipped with a continuous temperature monitor, but KD observed that both units two (2) and three (3) had continuous monitoring devices. Myrtle Park is also recording the start and stop temperatures of the combustion chambers for all three (3) units. KD reviewed the records on site, and deemed that Myrtle Park is properly recording the description and weight of the combusted waste. While KD did not explicitly measure each of the three stacks, they all appeared to be of the same size and there was no evidence of any changes.

KD spoke with Mr. Murphy about importance of keeping the temperature up and observing the stacks periodically to ensure no visible emissions are emanating from the stacks. KD also spoke with Mr. Murphy about the complaint that was received the day prior to the visit. Mr. Murphy indicated that he didn't have any recollection of any problems with the units around the time of the complaint, and stated he would make periodic observation of the stacks at various times in the cycle.

Compliance Determination:

Based on the observations made at the time of the inspection, Myrtle Park Crematory appears to be in compliance with PTI No. 155-96B and all applicable Air Quality Rules and Regulations. KD also considers the complaint resolved, pending further complaints.

NAME

Kaitlyn Davis

DATE

10/30/2015

SUPERVISOR

PHB