

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

M231536704

FACILITY: ROSEDALE MEMORIAL PARK CEMETERY	SRN / ID: M2315
LOCATION: 0-50 LAKE MICHIGAN DR NW, GRAND RAPIDS	DISTRICT: Grand Rapids
CITY: GRAND RAPIDS	COUNTY: OTTAWA
CONTACT: Bill Burke Jr., Family Service Director	ACTIVITY DATE: 09/21/2016
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance
SUBJECT: Unannounced, scheduled inspection.	SOURCE CLASS: MINOR
RESOLVED COMPLAINTS:	

Air Quality Division (AQD) staff Adam Shaffer (AS) and April Lazzaro (AL) arrived at the facility at approximately 8:30 am on September 21, 2016 to conduct an unannounced inspection. The purpose of this inspection was to determine compliance with applicable air quality rules and regulations.

No odors or visible emissions were observed on site, which was not in operation at the time of the inspection. AQD staff met with Mr. Bill Burke Jr., Family Service Director and the Department of Environmental Quality (DEQ) Environmental Inspections: Rights and Responsibilities brochure was presented and briefly discussed. This inspection is a follow up from the previous inspection in June, 2015 when AQD staff advised additional record keeping per PTI No. 67-08 specifications.

Facility Description:

Rosedale Memorial Gardens (Rosedale) is a human remains crematorium with the site being permitted to operate two (2) incinerators (EUCREMATORY2 & ALLINCINERATOR) that were permitted under PTI No. 67-08 & 61-74I and installed in 2008 & 1975 respectively with both being natural gas fired.

Compliance Evaluation:

According to Mr. Burke, Matthews International Cremation Division tends to the maintenance of both incinerators, with the most recent inspection performed on September 16, 2016. Copies of both inspection forms were provided by Mr. Burke to AQD staff and are attached to this inspection report. According to Mr. Burke, both units were cleared to be in operation following the Matthews inspections. Several repairs were recommended in the maintenance inspection form for the ALLINCINERATOR unit; and, it appears that Rosedale will be completing the necessary repairs in a timely fashion. While discussing site operations with Mr. Burke it was determined that not all employees performed a fifteen minute preheat before placing the pathological waste within the incinerator. Mr. Burke re-trained his staff to ensure this is conducted and AQD staff stressed the importance of the preheat to reduce potential emissions.

The ALLINCINERATOR is permitted under PTI No. 61-74I. According to maintenance inspection forms used by Matthews International, the unit has a set point of 1,600 °F for the afterburner and 1750 °F for the combustion chamber. Mr. Burke turned the unit on and the afterburner and combustion chamber temperature digital displays were observed to be in working order. There were no additional observations of note for this unit.

The EUCREMATORY2 is permitted under PTI No. 67-08. According to the maintenance inspection forms used by Matthews International the unit has a set point of 1,675 °F for the afterburner and 1750 °F for the combustion chamber. The PTI No. 67-08 states that for waste to be combusted a minimum temperature of 1,600 °F with a one (1) second minimum retention time must be maintained, which is below the set point of 1,675 °F that is maintained on this incinerator. Mr. Burke turned the unit on and the afterburner circular chart and temperature digital display for the afterburner were observed to be in working order and the temperatures correlated. A review of afterburner circular charts requested during the inspection was conducted, and for each charge the facility is recording date of use, afterburner temperatures and weight of human remains. The afterburner circular charts reviewed show that the weight of human remains for each charge the facility is recording is below the maximum charge identified in the PTI No. 67-08 of 750 lbs. The PTI No. 67-08 states that Particulate Matter (PM) limits of 0.20 pounds per 1,000 pounds of exhaust gases, corrected to 50 % excess air is required; however, no emission limit testing is

scheduled or required at this time. There were no additional observations of note for this unit.

AQD staff provided Mr. Burke with a copy of PTI No. 67-08 Appendix A, to be posted near the incinerator as required.

AS and AL left the facility at approximately 9:30 am.

Based on the records reviewed and observations identified during the inspection, Rosedale is in compliance with PTI No. 61-74I & 67-08 and no additional follow up is necessary at this time.

NAME Alan E. Sullivan

DATE 09/28/2016 SUPERVISOR [Signature]