

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

P037041774

FACILITY: PARTRIDGE ENTERPRISES, INC.		SRN / ID: P0370
LOCATION: 9193 W HOUGHTON LAKE DR, HOUGHTON LAKE		DISTRICT: Cadillac
CITY: HOUGHTON LAKE		COUNTY: ROSCOMMON
CONTACT:		ACTIVITY DATE: 09/25/2017
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY17 scheduled inspection and records review		
RESOLVED COMPLAINTS:		

AQD Staff traveled to P0370 Partridge Enterprises on September 26, 2017 to perform a FY17 inspection. The inspection was to determine compliance with PTI 120-12A, a general permit. Present onsite were two employees: Nick (driver/delivery) and Dan (operator).

The source is located in Houghton Lake, Roscommon County at 9193 West Houghton Lake Drive. The metal building is on the west side of the road, and is not signed.

The permit is for 3 various sized animal cremation units. The Houghton Lake Partridge Enterprises facility has pickup routes to all of northern Michigan and down to Ithaca, on a weekly basis.

**Permit 120-12** was issued 8/24/12 for EUCREMATORY01 and EUCREMATORY4. These two units were previously covered under different locations and companies under PTIs 33-09A and 134-96A. This permit was voided 8/3/16 due to issuance of PTI 120-12A.

**Permit 120-12A** was issued 8/3/16 for EUCREMATORY01, EUCREMATORY4 and EUCREMATORY05.

All three units were operating during the inspection. There was no opacity from any stack.

EUCREMATORY05 began operation on Friday September 22, 2017. Dan pointed out that new paper temperature charts are needed for the circular recorder, which he is getting.

Each emission unit, EUCREMATORY01, EUCREMATORY4 and EUCREMATORY05, is required to comply with the following:

**Emission Limits:**

I. 1 PM limit of .20lb/1000 lbs of gas. This condition requires stack testing, which AQD is not requesting at this time.

**Material Limits:**

II.1 Shall only burn pathological waste. Only pathological waste is burned. The source provides a cremation service to northern and some lower parts of Michigan. Animals ready to be cremated were noted onsite.

II. 2 Each unit has a different allowable charge to be combusted at one time (EUCREMATORY01 = 300 lb, EUCREMATORY4 = 750 lb and EUCREMATORY05 = 200 lb). Records were reviewed for each unit showing that the facility meets these requirements.

III.3 The only fuel to be burned is natural gas. Natural gas is the only fuel supplied to the units.

Process/Operational Restrictions:

III.1 A minimum temperature of 1600 degrees F in the secondary chamber must be maintained. The temperature probes were reviewed during the inspection, and a circular chart is used to record temperatures. The secondary chamber is considered an afterburner in the stack.

III.2 incinerator must be installed, operated and maintained correctly. The incinerators appeared to be installed and operating properly. Maintenance records were available for review in the office.

Design/Equipment Parameters:

IV.1 and IV.2 shall not operate without secondary chamber and afterburner operating, and temperature be recorded. The units are operated with these conditions, other than, as noted above, the new incinerator needing to have the correct paper for the circular recorder. Temperature set points were reviewed on the new incinerator and readings show compliant temperatures.

IV.3 must have a properly certified scale. A calibrated scale was present for charge weight.

Testing/Sampling:

None.

Monitoring/Recordkeeping:

VI.1 through VI.5 requires temperature, duration of burn, description and weight records to be maintained. As mentioned previously, the temperature of the secondary combustion chamber is monitored and recorded continuously. Daily records of the duration of the burn and description/weight of the animal were reviewed onsite. Maintenance records were available onsite.

VI.4 of EUCREMATORY05 only requires quarter basis records of time when only pathological waste is burned in the incinerator per 40 CFR 60.50c(b). Only pathological waste is burned in the incinerator. Notes in the eval form indicated that compliance with the above VI.1-VI.5 is considered compliance with this condition.

Reporting:

None.

Stacks:

Based on visual estimation, the stacks meet the requirements of the permit.

At this time the facility appears to be in compliance with PTI 120-12A. When in the area, Staff will stop by to confirm the correct chart is on the new incinerator temperature recording device.

NAME Becky Radulski

DATE 9/29/30

SUPERVISOR 