

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

N707027711

FACILITY: Branch County Animal Control		SRN / ID: N7070
LOCATION: 180 S Ray-Quincy, QUINCY		DISTRICT: Kalamazoo
CITY: QUINCY		COUNTY: BRANCH
CONTACT: Ernie Baker , Director		ACTIVITY DATE: 10/31/2014
STAFF: Dale Turton	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

An unannounced inspection was conducted at this facility to determine compliance with the Air Pollution Control Rules and AQD permit NO. 286-01. Ernie Baker, Director was staffing the facility during the visit.

The facility is a temporary shelter for cats and dogs. A pathological incinerator is used to dispose of some of the animals. This incinerator (UEINCINERATOR in the permit) remains unchanged from the original installation. This has one 1.2 Million Btu primary burner located in the rear on the primary chamber that projects the flame forward over the hearth. The exhaust gases travel across the roof of the chamber into the exhaust stack located at the rear of the unit. There is a secondary chamber located at the base of the stack. There are two 0.8 Million Btu afterburners that fire into the secondary chamber that finishes the combustion process before exhausting the gases up the stack.

The incinerator was not being operated at the time of the visit. He usually burns the unit only once every two weeks. Consequently, staff was not able to evaluate compliance with the visible emission standards.

There was a circular chart that records the afterburner chamber temperature of the complete burn cycle. The chart for the previous burn showed that the temperature was initially up to 1750 deg. F for the first part of the cycle then was maintained at about 1550 deg. F for the next 3 or 4 hours. This temperature complies with the minimum of 1500 deg. F required in the permit. The unit is then allowed to cool down for several hours before the door is opened. The cold ashes are cleaned out prior to each burn cycle.

The physical condition of the incinerator was evaluated. The exterior metal shell looked to be in good condition. The door appeared to close tightly and was not warped. The exterior of the stack and secondary chamber appeared to be in good condition. All burners were in good operating condition. The thermocouple and temperature monitoring system was operating properly as required by the permit.

The permit only allows the burning of pathological waste in the incinerator. An examination of the ashes left on the hearth from the previous burn was enough evidence to determine that only pathological wastes are being burned in this unit.

The refractory lining the interior of the primary burn chamber did appear to be somewhat degraded. There were several cracks in the refractory on both the interior walls and the door. In some areas the refractory was broken off so that it is not as thick and it was when it was last re-lined in 2009. Ernie was advised that any further degradation of the refractory could cause of damage to the incinerator.

The permit requires records of the description and weight of waste combusted in the unit. He will immediately begin to write the data on the circular chart. A fresh chart is used for each burn so that will be the compliance record that will be kept on file for each day it is used.

NAME Dale Turton

DATE Nov. 10, 2014 SUPERVISOR MR 11/10/2014