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Facility Name: **Ashland Vet Clinic**

Application Number: **03-1404**

Date: **November 12, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

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an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule

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3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Ashland Vet Clinic** located in **Ashland** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

3745-17-07 (A) *

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>
N001	Animal crematory incinerator with afterburner (55 pounds Tper hour maximum charge rate)	Use of afterburner and compliance with the permit allowable emission rate and Additional Special Terms & Conditions of this permit	3745-31-05

3745-17-09 (B)

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Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u>	BAT <u>Determination</u>	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
Permit Allowab le Mass Emissio ns and/or Control /Usage <u>Require ments</u>	PE/100 pounds of liquid, semi-solid, or solid refuse and salvagable material charged			
				0.11 pounds particu late emissio ns (PE)/ho ur and 0.48 tons PE/year
				Visible PE shall not exceed 0% opacity , as a six-min ute average
				0.20 pounds

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- * Applicable visible particulate emission limitation established by OAC 3745-17-07(A) is less stringent than the BAT requirement of zero percent opacity, as a six-minute average established by OAC 3745-31-05.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PE	0.48

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

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MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

INTRODUCTION: Ashland Veterinary Clinic submitted Permit to Install (PTI) application 03-1404 for the new installation of a multiple chamber incinerator for the cremation of small animals, Ohio EPA emissions unit N001. The incinerator has a maximum charge rate of 55 pounds per hour and is equipped with an afterburner.

A. Applicable Emission Limitations and/or Control Requirements

No additional applicable emission limitations and/or control requirements than those stated in the air emissions

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summary.

B. Operational Restrictions

1. The "Pro-Line Model 430RF " crematory incinerator shall be installed, operated, and maintained in accordance with the manufacturer's specifications. The company shall adhere to the unit's start-up sequence, preheating procedures, and cool-down cycle:
 - a. Start-up: During start-up the temperature controller for the secondary chamber shall be set at 1600 degrees fahrenheit.
 - b. Preheating: For the first cremation of the day, or if there has been a lapse of four hours since the previous cremation, the preheat cycle must be of sufficient duration to allow the secondary chamber

to reach a temperature of 1600 degrees fahrenheit, as measured by the afterburner temperature indicator, before igniting the main burner to start the cremation.
 - c. Cool-down: If more than one cremation per day is scheduled, the company shall allow for a sufficient cool-down period between cremations. Before starting the preheat cycle for the second, third, or subsequent cremations, the secondary chamber temperature shall not exceed 1000 degrees fahrenheit.
2. The crematory incinerator shall not be operated unless the temperature monitoring device is operating properly.
3. The permittee shall not charge the crematory incinerator with "infectious waste" as defined in OAC rule 3745-75-01(C) (5).

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall install, operate, and properly maintain monitoring devices that accurately measure the temperature of the secondary chamber (afterburner).
2. The permittee shall maintain daily records of the following information for emissions unit N001:
 - a. for the first cremation of the day - the temperature of the secondary chamber recorded just prior to the main burner ignition;
 - b. for the second, third, or subsequent cremations - the temperature of the secondary chamber recorded just prior to starting the preheat cycle and the temperature of the secondary chamber recorded just prior to main burner ignition; and,
 - c. the weight of each charge.
3. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for all hours of operation during which the charge rate exceeded 55 pounds per hour, including the actual charge rates for all such hours of operation.
2. The permittee shall submit deviation (excursion) reports which provide the following information for each period during which the secondary combustion

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chamber exhaust gas temperatures fall below the applicable limitations:

- a. the date of the excursion;
 - b. the time interval over which the excursion occurred;
 - c. the temperature values during the excursion;
 - d. the cause(s) for the excursion; and,
 - e. the corrective action which has been or will be taken to prevent similar excursions in the future.
3. These reports shall be submitted by January 31 of each year and shall cover all deviations (exceedances) for the previous calendar year. If no exceedances occurred, a report stating that fact is still required. All reports are to be submitted to the Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OHIO 43402.

E. Testing Requirements

1. Compliance with the emission limitations shall be determined in accordance with the following methods:
 - a. Emission Limitation:
0.20 pounds particulate emissions/100 pounds material charged, 0.11 pounds PE/hour, and 0.48 tons PE/year

Applicable Compliance Method:
Compliance with the particulate emission limitation shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10). In the absence of Ohio EPA requiring such testing, the permittee may calculate emissions utilizing stack test data from a similar unit that was included in this application.

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- b. Emission Limitation:
visible emissions shall not exceed 0% opacity as a six-minute average

Applicable Compliance Method:

Compliance with visible emission limitations shall be determined by observers qualified according to test and procedures set forth in test method nine, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards for Performance for New Stationary Sources" as such appendix existed on July 1, 1990.

F. Miscellaneous Requirements

None