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Facility Name: **Fulton County Dog Pound**

Application Number: **03-3116**

Date: **February 18, 1999**

### **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.

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### **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 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 &amp; 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 **Fulton County Dog Pound** located in **Fulton** 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
N001	Dual chamber, gas-fired animal crematory (175 pounds/hour maximum charge rate)	Use of afterburner and compliance with the permit allowable emission rate and Additional Special Terms and Conditions of this permit	3745-31-05	0.18 pound particulate emissions (PE)/hour 0.77 ton PE/year Visible emissions restrictions (see Additional Special Terms and Conditions)
			3745-17-07 (A)	*
			3745-17-09 (B)	0.10 pound PE/100 pounds of liquid, semi-solid or solid refuse and

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salvage  
able  
material  
charged  
to the  
incinerator

\* Applicable requirements established by this OAC rule are less stringent than requirements established by OAC rule 3745-75-02.

SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PE	0.77

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

**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.

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#### **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.

#### **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, OH 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.

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**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:**

Fulton County Dog Pound submitted Permit to Install (PTI) application 03-3116 for the new installation of a multiple chamber incinerator for the cremation of animal remains and associated wastes, Ohio EPA emissions unit N001. The incinerator has a maximum charge rate of 175 pounds per hour and is equipped with an afterburner.

**A. Applicable Emission Limitations and/or Control Requirements**

1. Visible particulate emissions from emissions unit N001 shall not exceed five percent opacity except for six-minutes in any continuous sixty-minute period during which opacity shall not exceed ten percent.

The permittee shall also comply with the other appliance emission limitations and/or control requirements as specified in the air emission summary.

**B. Operational Restrictions**

1. The "Crawford Multiple Chambered incinerator (CMCI) Model C-500P " shall be installed, operated, and maintained in accordance with the manufacturer's specifications. The secondary combustion chamber shall be designed to have a residence time greater than one second at a minimum of 1400 degrees Fahrenheit. The permittee shall adhere to the

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unit's sequence of operation including the following:

- a. during start-up the temperature controller for the secondary chamber shall be set at a minimum of 1400 degrees Fahrenheit; and,
  - b. for the first cremation of the day, or for any subsequent cremation after the unit has entered or completed the cool down stage, the preheat cycle must be of sufficient duration to allow the secondary chamber to reach a temperature of 1400 degrees Fahrenheit, as measured by the secondary chamber temperature indicator, before ignition of the burner to start the cremation.
2. The incinerator shall not be operated unless the temperature monitoring devices are operating properly.
  3. The permittee shall not charge the incinerator with "infectious waste" as defined in OAC rule 3745-75-01(C)(5).

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall install, operate, and properly maintain a continuous automatic monitoring system to monitor the temperature of the secondary combustion chamber. The system shall consist of a temperature sensor located as close as possible to the exit of the chamber and a twenty-four (24) hour chart recorder with a minimum range of 500 degrees Fahrenheit to 2500 degrees Fahrenheit.
2. The permittee shall maintain daily records of the following information for emissions unit N001:
  - a. for batch feed operations:
    - i. for each cremation-the temperature of the secondary chamber must be recorded just prior to main burner ignition;
    - ii. the weight of each charge; and,
    - iii. the time of each charge.
  - b. for continuous feed operations, a scale shall be installed near this incinerator to weigh all of the material charged to the unit. A log shall be kept to record the amount of material charged to this unit on a pounds per hour basis. Alternative arrangements may be approved by the Director provided they can be shown to be of equivalent effectiveness as a method of regulating flow into the

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incinerator and generating a permanent record of charging rates.

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 which provide the following information:
  - a. for each period during which the secondary combustion chamber exhaust gas temperatures fall below the applicable limitations:
    - i. the date of the excursion;
    - ii. the time interval over which the excursion occurred; and,
    - iii. the temperature values during the excursion;
  - b. an identification of all hours of operation during which the charge rate exceeded the incinerator's design capacity, including the actual charge rates for all such hours of operation;
  - c. the cause(s) for the excursion; and,
  - d. the corrective action which has been or will be taken to prevent similar excursions in the future.

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**

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1. Compliance with the emission limitations shall be determined in accordance with the following methods:

- a. Emission Limitation

- 0.10 pound particulate emissions/100 pounds material charged,  
0.18 pound PE/hour, and 0.77 ton PE/year

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Applicable Compliance Method

The permittee may calculate emissions utilizing stack test data from a similar unit that was included in this application. If required, 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).

b. Emission Limitation

Not to exceed five percent opacity except for six minutes in any continuous sixty minute period during which opacity shall not exceed ten percent.

Applicable Compliance Method

Compliance with visible emission limitations shall be determined in accordance with 40 CFR 60, Appendix A- Method 9.

**F. Miscellaneous Requirements**

1. None.