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Facility Name: **Foster Funeral Home**

Application Number: **03-3020**

Date: **July 22,1998**

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 SOURCE(S)

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 Ohio 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

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(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 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 prove to be inadequate or 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 15 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.

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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 made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for 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, regulations, and policies.

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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Foster Funeral Home** located in **Erie** 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 & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
N001	750 lbs/hr human cremation retort with afterburner	Use of an afterburner and compliance with the terms and conditions of this permit	3745-31-05	Visible particulate emissions (PE) shall not exceed 0% opacity as a six-minute average
			3745-17-09(B)	0.01 lb PE/100 lbs charged; 3.28 TPY PE
			3745-17-07(A)	*

* The visible emission limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05.

SUMMARY

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TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PE	3.28

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, Ohio 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.

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, 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

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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:

PTI Application No. 03-3020 allows for the permitting of a new crematorium (emissions unit N001) at Foster Funeral Home in Huron, Ohio.

A. APPLICABLE EMISSION LIMITATIONS AND/OR CONTROL REQUIREMENTS

1. No additional applicable emissions limitations and/or control requirements other than those detailed in the Air Emission Summary.

B. OPERATIONAL RESTRICTIONS

1. The incinerator shall be installed, operated, and maintained in accordance with the manufacturer's specifications. The permittee shall adhere to the following manufacturer's recommendations for the units's operation:
 - a. Start-up: During start-up, the temperature controller for the secondary chamber shall be set at 1400°F; the primary chamber shall be set between 700°F and

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1350°F.

- 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 1400°F, 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 permittee 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 800°F.
 - d. the permittee shall always check for and remove pacemakers;
 - e. the permittee shall not cremate plastic or fiberglass caskets;
 - f. the permittee shall cremate obese cases as the first run of the day;
 - g. the permittee shall cremate lacquered caskets on the first run of the day; and,
 - h. the permittee shall not open the main door for at least one hour after ignition.
- 2. The incinerator shall not be operated unless the temperature and opacity monitoring devices are operating properly.
 - 3. The permittee shall not charge the incinerator (cremator) with "infectious waste" as defined in OAC 3745-75-01 (C) (4).

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C. MONITORING AND RECORD KEEPING 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:
 - a. for the first cremation of the day: the temperature of the secondary chamber recorded just prior to the burner ignition;
 - b. for the second, third, and 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. No additional reporting requirements other than those identified in the Malfunction/Abatement Requirements pursuant to OAC rule 3745-15-06.

E. TESTING REQUIREMENTS

1. Compliance Methods Requirements: Compliance with the

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emission limitations shall be determined in accordance with the following method(s):

- a. Emission Limitation: 0.10 pound PE per 100 pounds charged; 3.28 tons PE/year

Applicable Compliance Method: The permittee may demonstrate compliance with the PE limitation by utilizing the stack test data from an identical unit that was included with the PTI application. If required, compliance with the PE limits shall be determined in accordance with the test method and test procedures in OAC rule 3745-17-03(B)(8).

- b. Emission Limitation: 0 percent opacity, as a six-minute average

Applicable Compliance Method: EPA Method 9, which is located in 40 CFR Part 60, Appendix A.

F. MISCELLANEOUS REQUIREMENTS

No term or condition specifying a method for demonstrating compliance with any emission limitation or other requirement of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules promulgated thereunder.