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Facility Name: **Capital Support Services**

Application Number: **01-7404**

Date: **June 10, 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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<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 **Capital Support Services** located in **Franklin** 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>
N001	Model IE43-PPII multiple chamber human crematory with a maximum loading capacity of 100 pounds per hour	Use of secondary chamber temperature monitor and opacity alarm monitor on the stack. Compliance with applicable rules and regulations.	3745-31-05 (E) 3745-17-07 (A) (1) 3745-17-09 (B)

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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>
<p>Permit Allowable Mass Emissions and/or Control/Usage Requirements</p>	<p>year. The yearly particulate matter emissions for N001 shall not exceed 0.1 ton per year. The yearly sulfur dioxide emissions for N001 shall not exceed 0.07 ton per year. The yearly volatile organic compounds emissions for N001 shall not exceed 0.01 ton per year.</p>	<p>Particulate emissions in the exhaust gases shall not exceed 0.10 pound per one hundred pounds charged.</p>		
<p>The yearly nitrogen oxide emissions for N001 shall not exceed 0.56 ton per year. The yearly carbon monoxide emissions for N001 shall not exceed 0.02 ton per</p>	<p>Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.</p>			

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SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Nitrogen oxide	0.56
Carbon monoxide	0.02
Particulate matter	0.1
Volatile organic compounds	0.01
Sulfur dioxide emissions	0.07

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, Central District Office, 3232 Alum Creek Drive, Columbus, OH 43207-3417.**

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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

A. Operational Restrictions

1. This incinerator shall be operated and maintained so as to prevent the emission of objectionable odor.
2. The temperature monitoring device for the secondary combustion chamber must be maintained and operated properly.
3. When operating, the incinerator's secondary chamber temperature will be maintained at or above 1,600 degrees Fahrenheit.
4. Ashes are to be removed from the primary chamber on a daily basis.
5. This incinerator is to be operated in accordance with the manufacturer's instructions on start-up, and during maintenance and repairs. It is to be operated only by

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personal adequately trained in these procedures.

6. This incinerator shall not be used to dispose of any hazardous or infectious wastes. The applicant shall have such waste disposed of in accordance with applicable federal, state and local regulations.

B. Monitoring and Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the secondary combustion exhaust gas temperature when the incinerator is in operation.

C. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which provide the following information for each period

during which the secondary combustion 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.

D. Testing Requirements

1. Compliance with the emission limitation(s) of the terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation

Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average, except as

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provided by rule.

Applicable Compliance Method

Compliance shall be demonstrated by the method specified in OAC rule 3745-17-03(B) (1).

b. Emission Limitation

Particulate emissions in the exhaust gases shall not exceed 0.10 pound per one hundred pounds charged.

Applicable Compliance Method

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B) (9).

c. Emission Limitation

The yearly nitrogen oxide emissions shall not exceed 0.56 ton per year.

Applicable Compliance Method

Compliance shall be multiplying the nitrogen oxide emission factor (0.56 pound/hour gallons), by the hours of operation (2,000 hours/year), and divide by 2,000 pounds/ton to get nitrogen oxide emissions in tons/year.

d. Emission Limitation

The yearly carbon monoxide emissions shall not exceed 0.02 ton per year.

Applicable Compliance Method

Compliance shall be multiplying the carbon monoxide emission factor (0.02 pound/hour gallons), by the hours of operation (2,000 hours/year), and divide by 2,000 pounds/ton to get

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carbon monoxide emissions in tons/year.

e. Emission Limitation

The yearly particulate matter emissions shall not exceed 0.1 ton per year.

Applicable Compliance Method

Compliance shall be multiplying the particulate matter emission factor (0.1 pound/hour gallons), by the hours of operation (2,000 hours/year), and divide by 2,000 pounds/ton to get particulate matter emissions in tons/year.

f. Emission Limitation

The yearly volatile organic compound emissions shall not exceed 0.01 ton per year.

Applicable Compliance Method

Compliance shall be multiplying the volatile organic compound emission factor (0.01 pound/hour gallons), by the hours of operation (2,000 hours/year), and divide by 2,000 pounds/ton to get volatile organic compound emissions in tons/year.

g. Emission Limitation

The yearly sulfur dioxide compound emissions shall not exceed 0.07 ton per year.

Applicable Compliance Method

Compliance shall be multiplying the sulfur dioxide emission factor (0.07 pound/hour gallons), by the hours of operation (2,000 hours/year), and divide by 2,000 pounds/ton to get sulfur dioxide emissions in tons/year.