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Facility Name: **Family Care Group Inc**

Application Number: **02-2603**

Date: **December 3, 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.

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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 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 **Family Care Group Inc** located in **Ashtabula** 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	Model Power-Pak II Multiple Chamber Crematory Incinerator	Natural Gas-Fired Primary & Secondary Burners; Use of Opacity Monitor and Continuous Temperature Recorder; 1600 deg. F Min. Secondary Chamber Temp.	3745-17-09	Particulate emissions limited to no more than 0.1 pound per 100 pounds of material charge to incinerator.
			3745-31-05	Particulates ER = 0.10 lb/hr. SO _x ER = 0.125 lb/hr. OC ER = 0.15 lb/hr. NO _x ER = 0.15 lb/hr. CO ER = 0.50 lb/hr.
			3745-17-07	Visible

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emissions shall not exceed 5 percent opacity, except for six minutes in any 60 minute period during which opacity shall not exceed 10%.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulates	0.44
CO	2.19

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MONITORING REQUIREMENTS

A **opacity temperature** monitor shall be installed on the **N001** . The monitoring equipment shall be installed and maintained in accordance with the applicable portions of 40 CFR part 60 - Standards of Performance for New Stationary Sources.

Within 30 days after the installation of the continuous monitoring and recording equipment, this facility shall conduct a performance specification test of such equipment pursuant to Section 3704.03(I) of the Ohio Revised Code and 40 CFR Part 60, Appendix B, Performance Specification Test 1. Personnel from the Ohio EPA field office shall be permitted to witness the performance specification test, and two copies of the test results shall be submitted to the Ohio EPA field office within 45 days after the test is completed.

Pursuant to 40 CFR Parts 60.7 and 60.13(h), this facility shall submit reports on a quarterly basis to the Ohio EPA field office documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07 or any limitations specified in the terms and conditions of this permit. These quarterly excess emission reports shall be submitted by February 1, May 1, August 1, and November 1 of each year and shall cover the data obtained during the previous calendar quarters.

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

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

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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, Northeast District Office, 2110 E. Aurora Road, Twinsburg, Ohio 44087.**

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.

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. INTRODUCTION:

1. The emissions unit is a Model Power-Pak II multiple chamber crematory incinerator with a maximum design charge rate of 100 pounds per hour. This crematory incinerator is to be installed at the Family Care Group, Inc. facility at 49 W. Jefferson Street, Jefferson, Ohio, and shall be used solely for the cremation of human remains and associated materials (cardboard and wood).

B. APPLICABLE EMISSIONS LIMITATIONS:

1. The particulate emissions from this emissions unit shall not exceed 0.10 pound per 100 pounds of charged material.
2. Visible particulate emissions from this emissions unit shall not exceed five (5) percent opacity except for six (6) minutes in any sixty-minute period during which opacity shall not exceed ten (10) percent.

C. ADDITIONAL TERMS AND CONDITIONS:

1. This emissions unit shall be used solely to cremate/incinerate human remains and associated material (cardboard and wood) and shall not be used to dispose of infectious, medical, or radiological waste.

D. OPERATIONAL RESTRICTIONS:

1. The secondary combustion chamber in this emissions unit shall be operated at a temperature of at least 1600 degrees Fahrenheit with a minimum of two-second retention time. This chamber shall be pre-heated for at least thirty (30) minutes prior to ignition of the charge and shall continue to be used during the entire burn cycle.
2. A continuous temperature monitor shall be installed on this emissions unit and employed for the purpose of recording secondary chamber operating temperatures. This recorder shall be operated, maintained, and regularly calibrated in accordance with manufacturers specifications.

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3. This emissions unit shall be operated and maintained in accordance with good engineering practices and the recommendations of the manufacturer in order to minimize air contaminant emissions.
4. This crematory incinerator shall be operated only by personnel adequately trained in the operation of this device.
5. An opacity monitor shall be installed, operated, maintained in good working order, and regularly cleaned and calibrated as recommended by the manufacturer.

E. MONITORING AND/OR RECORDKEEPING REQUIREMENTS:

1. The permittee shall continuously monitor and record the operating temperature of the secondary combustion chamber of this emissions unit each time this crematory incinerator is operated.
2. The permittee shall continuously monitor and record the opacity of the stack emissions from this emissions unit during each operating cycle.
3. The permittee shall maintain daily records of the weight of material charged into this emissions unit as well as the hours of crematory incinerator operation. These records, as well as the temperature and opacity records required above, shall be kept on file at this facility for a minimum of three years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

F. REPORTING REQUIREMENTS:

1. The permittee shall submit deviation (excursion or exceedance) reports whenever any record shows (indicates) that:
 - a. the temperature in the secondary combustion chamber dropped below the minimum requirement

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during incineration of the charge; and,

- b. the opacity of the visible particulate emissions from this emissions unit exceeded the allowable limits.

2. Such report shall be sent to the Northeast District Office within 30 days following the end of the calendar month during which the emission (usage, etc.) exceedance occurred.

G. TESTING REQUIREMENTS:

1. Emission Limitation: Particulate emissions not to exceed 0.10 pound per 100 pounds of material charge to incinerator.

Applicable Compliance Method: Compliance to be demonstrated by calculations based on record keeping detailed above and use of emission factors found in AP-42, "Compilation of Air Pollution Emission Factors", Section 2.1, Table 2.1-12. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B) (7).

2. Emissions: Visible particulate emissions from this emissions unit shall not exceed five (5) percent opacity except for six (6) minutes in any sixty-minute period during which opacity shall not exceed ten (10) percent.

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B) (1).

H. MISCELLANEOUS REQUIREMENTS:

1. Per OAC rule 3745-15-07, this emissions unit shall be operated in such a manner so as not to cause objectionable odors or a nuisance.

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2. A copy of these special terms and conditions shall be visibly posted near the incinerator.