



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
SUMMIT COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 16-02422**

**Fac ID: 1677040062**

**DATE: 9/20/2005**

Hummel Funeral Homes Inc  
John Fisch  
500 E Exchange St  
Akron, OH 44304

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

CC: USEPA

ARAQMD



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**Permit To Install  
Terms and Conditions**

**Issue Date: 9/20/2005  
Effective Date: 9/20/2005**

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**FINAL PERMIT TO INSTALL 16-02422**

Application Number: 16-02422  
Facility ID: 1677040062  
Permit Fee: **\$1000**  
Name of Facility: Hummel Funeral Homes Inc  
Person to Contact: John Fisch  
Address: 500 E Exchange St  
Akron, OH 44304

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**3475 Copley Rd  
Copley, Ohio**

Description of proposed emissions unit(s):  
**Two Cremators.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

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 for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

**Hummel Funeral Homes Inc**  
**PTI Application: 16-02422**  
**Issued: 9/20/2005**

**Facility ID: 1677040062**

the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

**9. Construction of New Sources(s)**

**Hummel Funeral Homes Inc**  
**PTI Application: 16-02422**  
**Issued: 9/20/2005**

**Facility ID: 1677040062**

The proposed emissions unit(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 cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(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 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 cannot meet the requirements of this permit or cannot meet applicable standards.

#### **10. 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.

#### **11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

#### **12. 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.

**Hummel Funeral Homes Inc**  
**PTI Application: 16-02422**  
**Issued: 9/20/2005**

**Facility ID: 1677040062**

**13. Source Operation and Operating Permit Requirements 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

Emissions Unit ID: **N001**

permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

#### 14. 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.

#### 15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

### B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

<b>SUMMARY (for informational purposes only)</b>	
<b>TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS</b>	
<u>Pollutant</u>	<u>Tons Per Year</u>
Nitrogen Oxides	2.1
Sulfur Di-Oxide	2.0
Organic Compounds	2.3
Particulates	5.4



9

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**PTI A**

**Issued: 9/20/2005**

Emissions Unit ID: **N001**

established pursuant to OAC  
rule 3745-31-05 (A)(3).

## **2. Additional Terms and Conditions**

- 2.a** The permittee shall install, adjust, operate, and maintain the emissions unit covered under this permit in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- 2.b** Based upon application data, and Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition) the above nitrogen oxide, sulfur dioxide, organic compound and particulates emissions limits are equal to the potential to emit for this emissions unit. Therefore, no emissions record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with equipment design, capacity, and/or configuration, or operational procedures, or anything else that increase(s) the potential to emit any air pollutant, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

## **B. Operational Restrictions**

1. The permittee shall employ only natural gas as fuel in this emissions unit.
2. The permittee shall only burn Type 4 (human remains) and associated Type 0 (paper/wood products) waste in this emissions unit. The paper products must be free from all plastics and all other foreign materials, and the wood products must not be preservative-treated wood and also must not contain any foreign materials. No plastic bags or other types of plastic materials shall be burned, except for containers may contain no more than 0.5 percent by weight of chlorinated plastics that has been used as a container for the remains being cremated.
3. The batch incinerator (fully loaded while cold and never opened until the burn cycle is complete) shall incorporate a lockout system, which will prevent the ignition of waste until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit.
4. The secondary combustion chamber shall be maintained at a minimum exhaust gas temperature of 1400 degrees Fahrenheit until the wastes are completely combusted and the burn-down cycle is complete.

### C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall install, operate, and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the secondary combustion chamber when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information each day:
  - a. A log of the downtime for the temperature monitoring and/or recording equipment, when the associated emissions unit was in operation; and
  - b. All periods of time during which the temperature of the exhaust gases from the incinerator, when the emissions unit was in operation, was below the minimum secondary combustion chamber exhaust gas temperature of 1400 degrees Fahrenheit as specified above

### D. Reporting Requirements

1. The permittee shall submit temperature deviation (excursion) reports that identify all periods of time (except momentary excursions) during which the temperature of the exhaust gases from the secondary combustion chamber does not comply with the temperature limitation specified above.
2. The deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 2 of this permit.

### E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.10 lb particulates/100 lbs waste charged, and 0.53 lbs/hr & 2.3 tpy particulates

**Hummel Funeral Homes Inc**  
**PTI Application: 16-02122**  
**Issue**

**Facility ID: 1677040062**

**Emissions Unit ID: N001**

Applicable Compliance Method: USEPA Method 1-4, & 5, 40 CFR Part 60, Appendix A.

The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- b. Emission Limitation: 5% opacity as a 6-minute average, except during startup

Applicable Compliance Method: USEPA Method 9, 40 CFR Part 60, Appendix A.

- c. Emission Limitations: 0.23 lb/hr & 1.0 tpy nitrogen oxides

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- d. Emission Limitations: 0.19 lb/hr & 0.9 tpy sulfur dioxide

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- e. Emission Limitations: 0.23 lbs/hr & 1.0 tpy organic compounds (methane)

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

## F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

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

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
N002 - Pet Remains Cremator natural gas-fired, multiple chamber incinerator (primary chamber burner heat input 0.7 mmBtu/hr and secondary chamber burner heat input 1.2 mmBtu/hr), 200 lbs/hr maximum rated batch charging capacity, burning Types 0 & 4 waste	OAC rule 3745-31-05 (A)(3)	5% opacity from any stack, as a 6-minute average (except during startup)  0.30 lb/hr & 1.3 tpy nitrogen oxides  0.25 lb/hr & 1.1 tpy sulfur dioxide  0.30 lbs/hr & 1.3 tpy organic compounds (methane)  0.70 lbs/hr & 3.1 tpy particulates  See Sections A.2 and B.1 through B.4 of these special terms and conditions for additional requirements of OAC rule 3745-31-05 (A)(3)
	OAC rule 3745-17-09 (B)	0.10 lb particulates/100 lbs waste charged
	OAC rule 3745-17-07 (A)	The visible particulate emissions limit under OAC rule 3745-17-07 is less stringent than the visible

**Hummel Funeral Homes Inc**  
**PTI Application: 16-02122**  
**Issue**

**Facility ID: 1677040062**

**Emissions Unit ID: N002**

particulate emissions limit  
established pursuant to OAC  
rule 3745-31-05 (A)(3).

## **2. Additional Terms and Conditions**

- 2.a** The permittee shall install, adjust, operate, and maintain the emissions unit covered under this permit in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- 2.b** Based upon application data, and Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition) the above nitrogen oxide, sulfur dioxide, organic compound and particulates emissions limits are equal to the potential to emit for this emissions unit. Therefore, no emissions record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with equipment design, capacity, and/or configuration, or operational procedures, or anything else that increase(s) the potential to emit any air pollutant, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

## **B. Operational Restrictions**

1. The permittee shall employ only natural gas as fuel in this emissions unit.
2. The permittee shall only burn Type 4 (human remains) and associated Type 0 (paper/wood products) waste in this emissions unit. The paper products must be free from all plastics and all other foreign materials, and the wood products must not be preservative-treated wood and also must not contain any foreign materials. No plastic bags or other types of plastic materials shall be burned, except for containers may contain no more than 0.5 percent by weight of chlorinated plastics that has been used as a container for the remains being cremated.
3. The batch incinerator (fully loaded while cold and never opened until the burn cycle is complete) shall incorporate a lockout system, which will prevent the ignition of waste until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit.
4. The secondary combustion chamber shall be maintained at a minimum exhaust gas temperature of 1400 degrees Fahrenheit until the wastes are completely combusted and the burn-down cycle is complete.

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

1. The permittee shall install, operate, and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the secondary combustion chamber when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information each day:
  - a. A log of the downtime for the temperature monitoring and/or recording equipment, when the associated emissions unit was in operation; and
  - b. All periods of time during which the temperature of the exhaust gases from the incinerator, when the emissions unit was in operation, was below the minimum secondary combustion chamber exhaust gas temperature of 1400 degrees Fahrenheit as specified above

**D. Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify all periods of time (except momentary excursions) during which the temperature of the exhaust gases from the secondary combustion chamber does not comply with the temperature limitation specified above.
2. The deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 2 of this permit

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.10 lb particulates/100 lbs waste charged, and 0.70 lbs/hr & 3.1 tpy particulates

Emissions Unit ID: **N002**

Applicable Compliance Method: USEPA Method 1-4, & 5, 40 CFR Part 60, Appendix A.

The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- b. Emission Limitation: 5% opacity as a 6-minute average, except during startup

Applicable Compliance Method: USEPA Method 9, 40 CFR Part 60, Appendix A

- c. Emission Limitations: 0.30 lb/hr & 1.3 tpy nitrogen oxides

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- d. Emission Limitations: 0.25 lb/hr & 1.1 tpy sulfur dioxide

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

- e. Emission Limitations: 0.30 lbs/hr & 1.3 tpy organic compounds (methane)

Applicable Compliance Method: The above emissions limit is equal to the potential to emit, as determined by Incinerator Emissions factors from Table 2.1-12 of AP-42(5th Edition dated 10/96).

## F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

19

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**PTI A**

**Issued: 9/20/2005**

Emissions Unit ID: **N002**