



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

1/5/2009

Mr. Timothy Schramm
QUALITY FUNERAL CHOICES, INC.
22546 Michigan Avenue
Dearborn, MI 48124

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0448011667
Permit Number: P0088458
Permit Type: Initial Installation
County: Lucas

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

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

If you have any questions regarding this permit, please contact the Toledo Department of Environmental Services. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: TDES

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
QUALITY FUNERAL CHOICES, INC.**

Facility ID: 0448011667
Permit Number: P0088458
Permit Type: Initial Installation
Issued: 1/5/2009
Effective: 1/5/2009
Expiration: 1/5/2019



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
 for
 QUALITY FUNERAL CHOICES, INC.

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Authorization

Facility ID: 0448011667
Application Number(s): A0019615
Permit Number: P0088458
Permit Description: 100 lb/hr human remains crematory
Permit Type: Initial Installation
Permit Fee: \$50.00
Issue Date: 1/5/2009
Effective Date: 1/5/2009
Expiration Date: 1/5/2019
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15
This document constitutes issuance to:

QUALITY FUNERAL CHOICES, INC.
6061 TELEGRAPH RD.
TOLEDO, OH 43612

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Toledo Department of Environmental Services
348 South Erie Street
Toledo, OH 43604
(419)936-3015

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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Effective Date: 1/5/2009

Authorization (continued)

Permit Number: P0088458

Permit Description: 100 lb/hr human remains crematory

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	N001
Company Equipment ID:	Crematory
Superseded Permit Number:	04-955
General Permit Category and Type:	Not Applicable



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Facility ID: 0448011667

Effective Date: 1/5/2009

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Toledo Department of Environmental Services in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the



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change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
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Final Permit-to-Install and Operate

Permit Number: P0088458

Facility ID: 0448011667

Effective Date: 1/5/2009

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



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C. Emissions Unit Terms and Conditions



1. N001, Crematory

Operations, Property and/or Equipment Description:

Crematory

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(iii)(c) (Administrative Modification of PTI 04-955 issued 4/5/1995)	Carbon monoxide (CO) emissions shall not exceed 0.26 pound per hour and 1.14 tons per year. Particulate emissions (PE) shall not exceed 0.07 pound per hour and 0.3 ton per year. Sulfur dioxide (SO2) emissions shall not exceed 0.11 pound per hour and 0.48 ton per year. Nitrogen oxides (NOx) emissions shall not exceed 0.31 pound per hour and 1.37 tons per year. Organic compounds (OC) emissions shall not exceed 0.18 pound per hour and 0.8 ton per year. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		average.
b.	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-09(B)	PE shall not exceed 0.10 pound per one hundred pounds charged.
d.	OAC rule 3745-17-09(C)	This emissions unit, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.
e.	OAC rule 3745-18-06(C)	Exemption – see b)(2)a.
f.	OAC rule 3745-21-07(B)	See b)(2)b.
g.	OAC rule 3745-21-08(B)	See b)(2)c.

(2) Additional Terms and Conditions

- a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(E) since the rated capacity is less than one thousand pounds per hour.
- b. The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On February 18, 2008, OAC rule 3745-21-07 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-07, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- c. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the



requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) This emissions unit shall only be operated by personnel that have been trained in the proper operating procedures.

d) Monitoring and/or Recordkeeping Requirements

- (1) The human cremation multiple chamber incinerator shall be installed, operated, and maintained in accordance with the manufacturer's specifications. The permittee shall install, operate, and properly maintain a temperature gauge which monitors the temperature of the secondary combustion chamber. The incinerator shall not be operated unless the temperature monitoring devices are operating properly.

- a. During startup, the temperature controller for the secondary chamber shall be set at a minimum of 1600 degrees Fahrenheit.

- b. For the first cremation of the day, or for a subsequent cremation after the unit has entered or completed the cool-down state, the temperature must reach a minimum of 1600 degrees Fahrenheit, as measured by the secondary chamber indicator, before ignition of the burner to start the cremation. An interlock shall be installed that prevents the primary chamber burner from being able to be fired unless the secondary chamber is preheated to 1,600 degrees F.

- (2) The permittee shall collect and record for each cremation, the temperature of the secondary chamber just prior to main burner ignition.

Whenever the temperature of the secondary chamber deviates from the temperature specified above, the permittee shall promptly investigate the cause of the deviation and take prompt corrective action to remedy the deviation.

The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the temperature reading from the secondary chamber immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.



f) Testing Requirements

(1) Compliance with the emission limitations specified in b) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitation:

CO emissions shall not exceed 0.26 pound per hour.

Applicable Compliance Method:

Compliance may be determined by the following calculation. Divide the maximum firing rate (1.375 mmBtu/hr) by the natural gas heating value (1,020 mmBtu/scf), multiply by the uncontrolled CO emission factor contained in AP-42 Table 1.4-1 dated 7/98 (84 lb/mm scf) to determine the natural gas combustion emissions (0.113 lb/hr). Divide the maximum rated crematory capacity (100 lbs/hr) by 2,000 lbs/ton, and multiply by the CO emission factor specified in AP-42 Table 2.3-1 dated 7/93 (2.95 lb/ton) to determine the emissions from cremation of the body and case wrappings (0.178 lb/hr). Add the natural gas combustion emissions (0.148 lb/hr) to the emissions from cremation of the body and case wrappings (0.178 lb/hr) to determine the total emissions (0.26 lb/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation using Methods 1 thru 4 and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

b. Emission Limitation:

CO emissions shall not exceed 1.14 tons per year.

Applicable Compliance Method:

Compliance with the annual emission limitation may be determined by the following one-time calculation. Multiply the hourly CO limitation (0.26 lb/hr) by the maximum operating schedule (8,760 hrs/yr) and divide by 2,000 pounds per ton.

c. Emission Limitation:

NOx emissions shall not exceed 0.31 pound per hour.

Applicable Compliance Method:

Compliance may be determined by the following calculation. Divide the maximum firing rate (1.375 mmBtu/hr) by the natural gas heating value (1,020 mmBtu/scf), multiply by the uncontrolled NOx emission factor contained in AP-42 Table 1.4-1 dated 7/98 (100 lb/mm scf) to determine the natural gas combustion emissions (0.135 lb/hr). Divide the maximum rated crematory capacity (100 lbs/hr) by 2,000 lbs/ton, and multiply by the NOx emission factor specified in AP-42 Table 2.3-1 dated 7/93 (3.56 lb/ton) to determine the emissions from cremation of the body and case wrappings (0.178 lb/hr). Add the natural gas combustion emissions (0.135 lb/hr) to the emissions from cremation of the body and case wrappings (0.178 lb/hr) to determine the total emissions (0.31 lb/hr).



If required, the permittee shall demonstrate compliance with the hourly emission limitation using Methods 1 thru 4 and 7E of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

d. Emission Limitation:

NOx emissions shall not exceed 1.37 tons per year.

Applicable Compliance Method:

Compliance with the annual emission limitation may be determined by the following one-time calculation. Multiply the hourly NOx limitation (0.31 lb/hr) by the maximum operating schedule (8,760 hrs/yr) and divide by 2,000 pounds per ton.

e. Emission Limitation:

OC emissions shall not exceed 0.18 pound per hour.

Applicable Compliance Method:

Compliance may be determined by the following calculation. Divide the maximum firing rate (1.375 mmBtu/hr) by the natural gas heating value (1,020 mmBtu/scf), multiply by the uncontrolled OC emission factor contained in AP-42 Table 1.4-1 dated 7/98 (5.5 lb/mm scf) to determine the natural gas combustion emissions (0.00741 lb/hr). Divide the maximum rated crematory capacity (100 lbs/hr) by 2,000 lbs/ton, and multiply by the OC emission factor specified in AP-42 Table 2.3-1 dated 7/93 (2.99 lb/ton) to determine the emissions from cremation of the body and case wrappings (0.150 lb/hr). Add the natural gas combustion emissions (0.00741 lb/hr) to the emissions from cremation of the body and case wrappings (0.150 lb/hr) to determine the total emissions (0.16 lb/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation using Methods 1 thru 4 and 18, 25, or 25A as appropriate, of 40 CFR Part 60, Appendix A. Use of Method 18, 25 or 25A is to be selected based on the results of pre-survey stack sampling and U.S. EPA guidance documents. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

f. Emission Limitation:

OC emissions shall not exceed 0.8 ton per year.

Compliance with the annual emission limitation may be determined by the following one-time calculation. Multiply the hourly OC emission limitation (0.16 lb/hr) by the maximum operating schedule (8,760 hrs/yr) and divide by 2,000 pounds per ton.

g. Emission Limitation:

PE shall not exceed 0.07 pound per hour.



Applicable Compliance Method:

Compliance may be determined by the following calculation. Divide the maximum firing rate (1.375 mmBtu/hr) by the natural gas heating value (1,020 mmBtu/scf), multiply by the uncontrolled PE emission factor contained in AP-42 Table 1.4-1 dated 7/98 (1.9 lb/mmscf) to determine the natural gas combustion emissions (0.00256 lb/hr). Divide the maximum rated crematory capacity (100 lbs/hr) by 2,000 lbs/ton, and multiply by the PE emission factor specified in AP-42 Table 2.3-1 dated 7/93 (1.09 lb/ton) to determine the emissions from cremation of the body and case wrappings (0.0545 lb/hr). Add the natural gas combustion emissions (0.00256 lb/hr) to the emissions from cremation of the body and case wrappings (0.0545 lb/hr) to determine the total emissions (0.06 lb/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation using Methods 1 thru 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

h. Emission Limitation:

PE shall not exceed 0.3 ton per year.

Applicable Compliance Method:

Compliance with the annual emission limitation may be determined by the following one-time calculation. Multiply the hourly PE limitation (0.07 lb/hr) by the maximum operating schedule (8,760 hrs/yr) and divide by 2,000 pounds per ton.

i. Emission Limitation:

SO₂ emissions shall not exceed 0.11 pound per hour.

Applicable Compliance Method:

Compliance may be determined by the following calculation. Divide the maximum firing rate (1.375 mmBtu/hr) by the natural gas heating value (1,020 mmBtu/scf), multiply by the uncontrolled SO₂ emission factor contained in AP-42 Table 1.4-1 dated 7/98 (0.6 lb/mmscf) to determine the natural gas combustion emissions (0.000809 lb/hr). Divide the maximum rated crematory capacity (100 lbs/hr) by 2,000 lbs/ton, and multiply by the SO₂ emission factor specified in AP-42 Table 2.3-1 dated 7/93 (2.17 lb/ton) to determine the emissions from cremation of the body and case wrappings (0.109 lb/hr). Add the natural gas combustion emissions (0.000809 lb/hr) to the emissions from cremation of the body and case wrappings (0.109 lb/hr) to determine the total emissions (0.11 lb/hr).

If required, the permittee shall demonstrate compliance with the hourly emission limitation using Methods 1 thru 4 and 6C of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.



j. Emission Limitation:

SO₂ emissions shall not exceed 0.48 ton per year.

Applicable Compliance Method:

Compliance with the annual emission limitation may be determined by the following one-time calculation. Multiply the hourly SO₂ emission limitation (0.11 lb/hr) by the maximum operating schedule (8,760 hrs/yr) and divide by 2,000 pounds per ton.

k. Emission Limitation:

Visible particulate emissions shall not exceed 10% opacity.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using Method 9 of 40 CFR Part 60, Appendix A.

l. Emission Limitation:

PE shall not exceed 0.10 pound per 100 pounds charged.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with OAC rule 3745-17-03(B)(8).

g) Miscellaneous Requirements

(1) None.