



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/6/2012

BRIAN WEST
WESTERN FARM BURIAL SYSTEM
12521 S ISLAND RD
GRAFTON, OH 44044

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0247050918
Permit Number: P0108578
Permit Type: Renewal
County: Lorain

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

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. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. 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, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
WESTERN FARM BURIAL SYSTEM**

Facility ID:	0247050918
Permit Number:	P0108578
Permit Type:	Renewal
Issued:	7/6/2012
Effective:	7/6/2012
Expiration:	7/6/2022



Division of Air Pollution Control
Permit-to-Install and Operate
for
WESTERN FARM BURIAL SYSTEM

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Authorization

Facility ID: 0247050918

Application Number(s): A0041957

Permit Number: P0108578

Permit Description: Renewal permit for eight natural gas multi-chamber incinerators used for animal cremation. Admin. mod. to units N003 through N006 limitations to make them the same since they are identical units. AP 42 factors were used for the modified calculations of limits.

Permit Type: Renewal

Permit Fee: \$0.00

Issue Date: 7/6/2012

Effective Date: 7/6/2012

Expiration Date: 7/6/2022

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

WESTERN FARM BURIAL SYSTEM
12521 S ISLAND RD
Grafton, OH 44044

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

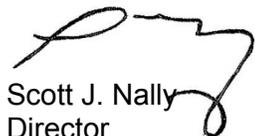
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)425-9171

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0108578

Permit Description: Renewal permit for eight natural gas multi-chamber incinerators used for animal cremation. Admin. mod. to units N003 through N006 limitations to make them the same since they are identical units. AP 42 factors were used for the modified calculations of limits.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Group Name: 100 lbs/hr

Emissions Unit ID:	N001
Company Equipment ID:	Crematory Incinerator
Superseded Permit Number:	P0085384
General Permit Category andType:	Not Applicable
Emissions Unit ID:	N002
Company Equipment ID:	Crematory Incinerator
Superseded Permit Number:	P0085384
General Permit Category andType:	Not Applicable

Group Name: 300 lbs/hr

Emissions Unit ID:	N003
Company Equipment ID:	Crematory Incinerator
Superseded Permit Number:	P0085383
General Permit Category andType:	Not Applicable
Emissions Unit ID:	N004
Company Equipment ID:	BL 2000 #02 Cremation unit
Superseded Permit Number:	P0085386
General Permit Category andType:	Not Applicable
Emissions Unit ID:	N005
Company Equipment ID:	BL 2000 #03
Superseded Permit Number:	P0085385
General Permit Category andType:	Not Applicable
Emissions Unit ID:	N006
Company Equipment ID:	BL 2000 #04
Superseded Permit Number:	P0085385
General Permit Category andType:	Not Applicable

Group Name: 600 lbs/hr

Emissions Unit ID:	N007
Company Equipment ID:	Crematory IEB100 #7
Superseded Permit Number:	P0085387
General Permit Category andType:	Not Applicable
Emissions Unit ID:	N008
Company Equipment ID:	Crematory 600 lb/hr #8
Superseded Permit Number:	P0085387
General Permit Category andType:	Not Applicable

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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 Ohio EPA DAPC, Northeast District Office 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 submitting¹ 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 emissions 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.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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 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.

B. Facility-Wide Terms and Conditions

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.

C. Emissions Unit Terms and Conditions

1. N001 – N002, Crematory Incinerators

Operations, Property and/or Equipment Description:

EU ID	Operations, Property, and/or Equipment Description
N001	Animal Crematory Incinerator rated at 100 lbs/hr and fired with natural gas.
N002	Animal Crematory Incinerator rated at 100 lbs/hr and fired with natural gas.

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 operation(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 are identified below. 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)	Particulate emissions (PE) shall not exceed 0.44 ton per year Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average except for 6-minutes in any 60-minute period during which the opacity shall not exceed 10%.
b.	OAC rule 3745-17-07(A)	The visible particulate emission limitation required by this applicable rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-09(B)	Particulate emissions (PE) shall not exceed 0.10 pound per 100 pounds of material charged.
d.	OAC rule 3745-17-09(C)	See section b)(2)a. below.

(2) Additional Terms and Conditions

a. This incinerator and all associated equipment and grounds shall be designed, operated, and maintained so as to prevent the emission of objectionable odors.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

(2) The incinerator shall be operated only by adequately trained personnel.

(3) The permittee shall operate and maintain the incinerator in such a way as to meet all applicable engineering standards and practices and the recommendations of the manufacturer in order to minimize the air contaminant emission releases.

(4) This emissions unit shall not be used to dispose of infectious or medical waste as defined in OAC rule 3745-75-01(B)(27).

(5) During a cremation burn, the temperature of the secondary combustion chamber shall be maintained at a minimum of 1600 degrees Fahrenheit.

(6) The secondary combustion chamber shall be pre-heated to 1600 degrees Fahrenheit prior to ignition of the charge and shall continue to be used during the entire burn cycle.

(7) The "Visible Emissions Alarm" shall be operated at all times the incinerator is in operation and shall be maintained in accordance with any and all recommendation of the manufacturer.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(2) The permittee shall operate and maintain a continuous temperature monitor and recorder for the secondary combustion chamber operating temperatures. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and applicable operating manual(s).

- (3) The permittee shall maintain copies of the records of the secondary combustion chamber temperature at the facility for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.

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.
- (2) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

PE shall not exceed 0.44 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the short-term allowable particulate emission limitation (0.10 lb/100 lbs charged) by the maximum rated capacity of the incinerator (100 lbs/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

b. Emission Limitation:

Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based on visible particulate emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

c. Emission Limitation:

PE shall not exceed 0.10 pound per 100 pounds of material charged

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emissions test in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and procedures specified in OAC rule 3745-17-03(B)(8).

- g) Miscellaneous Requirements
 - (1) None.

2. N003 – N006, Crematory Incinerator

Operations, Property and/or Equipment Description:

EU ID	Operations, Property and/or Equipment Description
N003	BL 2000 Animal Crematory #1 rated at 300 lbs/hr with an afterburner.
N004	BL 2000 Animal Crematory #2 rated at 300 lbs/hr with an afterburner.
N005	BL 2000 Animal Crematory #3 rated at 300 lbs/hr with an afterburner.
N006	BL 2000 Animal Crematory #4 rated at 300 lbs/hr with an afterburner.

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 operation(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 are identified below. 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)	Particulate emissions (PE) shall not exceed 1.31 tons per year. Organic compounds (OC) emissions shall not exceed 0.45 pound per hour and 1.97 tons per year.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Nitrogen oxides (NOx) emissions shall not exceed 0.45 pound per hour and 1.97 tons per year.</p> <p>Carbon monoxide (CO) emissions shall not exceed 1.50 pounds per hour and 6.57 tons per year.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.38 pound per hour and 1.66 tons per year.</p> <p>Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average except for 6-minutes in any 60-minute period during which the opacity shall not exceed 10%.</p>
b.	OAC rule 3745-17-07(A)	The visible particulate emission limitation required by this applicable rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-09(B)	Particulate emissions (PE) shall not exceed 0.10 pound per 100 pounds of material charged.
d.	OAC rule 3745-17-09(C)	See section b)(2)a. below.

(1) Additional Terms and Conditions

- a. This incinerator and all associated equipment and grounds shall be designed, operated, and maintained so as to prevent the emission of objectionable odors.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas in this emissions unit.
- (2) The incinerator shall be operated only by adequately trained personnel.
- (3) The permittee shall operate and maintain the incinerator in such a way as to meet all applicable engineering standards and practices and the recommendations of the manufacturer in order to minimize the air contaminant emission releases.
- (4) This emissions unit shall not be used to dispose of infectious or medical waste as defined in OAC rule 3745-75-01(B)(27).
- (5) During a cremation burn, the temperature of the secondary combustion chamber shall be maintained at a minimum of 1600 degrees Fahrenheit.

- (6) The secondary combustion chamber shall be pre-heated to 1600 degrees Fahrenheit prior to ignition of the charge and shall continue to be used during the entire burn cycle.
- (7) The "Visible Emissions Alarm" shall be operated at all times the incinerator is in operation and shall be maintained in accordance with any and all recommendation of the manufacturer.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall operate and maintain a continuous temperature monitor and recorder for the secondary combustion chamber operating temperatures. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and applicable operating manual(s).
- (3) The permittee shall maintain copies of the records of the secondary combustion chamber temperature at the facility for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.

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.
- (2) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based on visible particulate emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

b. Emission Limitation:

PE shall not exceed 0.10 pound per 100 pounds of material charged

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emissions test in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and procedures specified in OAC rule 3745-17-03(B)(8).

c. Emission Limitation:

PE shall not exceed 1.31 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the short-term allowable particulate emission limitation (0.10 lb/100 lbs charged) by the maximum rated capacity of the incinerator (300 lbs/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

d. Emission Limitation:

OC emissions shall not exceed 0.45 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 3.0 lbs/ton by the maximum capacity of the incinerator (300 lbs/hr), and then dividing by 2000 lbs/ton.

The OC emission factor was obtained from AP-42, 5th Edition, Chapter 2.1 (Refuse Combustion), Table 2.1-12, dated October, 1996.

e. Emission Limitation:

OC emissions shall not exceed 1.97 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable OC emission limitation (0.45 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if

compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

Emission Limitation:

NOx emissions shall not exceed 0.45 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the NOx emission factor of 3.0 lbs/ton by the maximum capacity of the incinerator (300 lbs/hr), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Chapter 2.1 (Refuse Combustion), Table 2.1-12, dated October, 1996.

f. Emission Limitation:

NOx emissions shall not exceed 1.97 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NOx emission limitation (0.45 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g. Emission Limitation:

CO emissions shall not exceed 1.50 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 10 lbs/ton by the maximum capacity of the incinerator (300 lbs/hr), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Chapter 2.1 (Refuse Combustion), Table 2.1-12, dated October, 1996.

h. Emission Limitation:

CO emissions shall not exceed 6.57 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (1.50 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if

compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

i. Emission Limitation:

SO2 emissions shall not exceed 0.38 pound per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 2.5 lbs/ton by the maximum capacity of the incinerator (300 lbs/hr), and then dividing by 2000 lbs/ton.

The SO2 emission factor was obtained from AP-42, 5th Edition, Chapter 2.1 (Refuse Combustion), Table 2.1-12, dated October, 1996.

j. Emission Limitation:

SO2 emissions shall not exceed 1.66 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO2 emission limitation (0.38 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g) Miscellaneous Requirements

(1) None.

3. N007 – N008, Crematory IEB100 #7

Operations, Property and/or Equipment Description:

EU ID	Operations, Property and/or Equipment Description
N007	Animal crematory rated at 600 lbs/hr equipped with an afterburner.
N008	Animal crematory rated at 600 lbs/hr equipped with an afterburner.

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 operation(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 are identified below. 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)	Particulate emissions (PE) shall not exceed 0.6 pound per hour and 1.31 tons per year. Organic compounds (OC) emissions shall not exceed 0.06 pound per hour and 0.13 ton per year. Nitrogen oxides (NOx) emissions shall not exceed 3.11 pounds per hour and 6.82 tons per year. Carbon monoxide (CO) emissions shall

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>not exceed 0.17 pound per hour and 0.38 ton per year.</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 0.40 pound per hour and 0.88 ton per year.</p> <p>Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average except for 6-minutes in any 60-minute period during which the opacity shall not exceed 10%.</p>
b.	OAC rule 3745-17-07(A)	The visible particulate emission limitation required by this applicable rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-09(B)	Particulate emissions (PE) shall not exceed 0.10 pound per 100 pounds of material charged.
d.	OAC rule 3745-17-09(C)	See section b)(2)a. below.

(1) Additional Terms and Conditions

- a. This incinerator and all associated equipment and grounds shall be designed, operated, and maintained so as to prevent the emission of objectionable odors.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas in this emissions unit.
- (2) The incinerator shall be operated only by adequately trained personnel.
- (3) The permittee shall operate and maintain the incinerator in such a way as to meet all applicable engineering standards and practices and the recommendations of the manufacturer in order to minimize the air contaminant emission releases.
- (4) This emissions unit shall not be used to dispose of infectious or medical waste as defined in OAC rule 3745-75-01(B)(27).
- (5) During a cremation burn, the temperature of the secondary combustion chamber shall be maintained at a minimum of 1600 degrees Fahrenheit.
- (6) The secondary combustion chamber shall be pre-heated to 1600 degrees Fahrenheit prior to ignition of the charge and shall continue to be used during the entire burn cycle.

- (7) The "Visible Emissions Alarm" shall be operated at all times the incinerator is in operation and shall be maintained in accordance with any and all recommendation of the manufacturer.
- (8) The permittee shall operate this emissions unit for no more than 4380 hours per year.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall operate and maintain a continuous temperature monitor and recorder for the secondary combustion chamber operating temperatures. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and applicable operating manual(s).
- (3) The permittee shall maintain copies of the records of the secondary combustion chamber temperature at the facility for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.
- (4) The permittee shall maintain daily records of the operating hours of this emissions unit.

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.
- (2) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
PE shall not exceed 0.6 lb/hr.
PE shall not exceed 0.10 pound per 100 pounds of material charged

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emissions test in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and procedures specified in OAC rule 3745-17-03(B)(8).

b. Emission Limitation:

PE shall not exceed 1.31 tons per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.10 lb/100 lbs charged) by the maximum rated capacity of the incinerator (600 lbs/hr) and by the restricted annual hours of operation (4,380 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation and the restricted hours of operation, compliance shall also be shown with the annual emission limitation.

c. Emission Limitation:

OC emissions shall not exceed 0.06 lb/hr.

Applicable Compliance Method:

Compliance with the hourly OC emission limitation shall be demonstrated by multiplying the OC emission factor of 0.0001 lb/lb charged by the maximum rated capacity of the incinerator (600 lbs/hr).

The OC emission factor was provided by the permittee and is based on a similar emissions unit as stated in the PTI application.

d. Emission Limitation:

OC emissions shall not exceed 0.13 ton per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable OC emission limitation calculated above (0.06 lb/hr) by the maximum annual hours of operation (4,380 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

NOx emissions shall not exceed 3.11 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly NO_x emission limitation shall be demonstrated by multiplying the NO_x emission factor of 0.00519 lb/lb charged by the maximum rated capacity of the incinerator (600 lbs/hr).

The NO_x emission factor was provided by the permittee and is based on a similar emissions unit as stated in the PTI application.

f. Emission Limitation:

NO_x emissions shall not exceed 6.82 tons per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable NO_x emission limitation calculated above (3.11 lbs/hr) by the maximum annual hours of operation (4,380 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g. Emission Limitation:

CO emissions shall not exceed 0.17 lb/hr.

Applicable Compliance Method:

Compliance with the hourly CO emission limitation shall be demonstrated by multiplying the CO emission factor of 0.00029 lb/lb charged by the maximum rated capacity of the incinerator (600 lbs/hr).

The CO emission factor was provided by the permittee and is based on a similar emissions unit as stated in the PTI application.

h. Emission Limitation:

CO emissions shall not exceed 0.38 ton per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable CO emission limitation calculated above (0.17 lb/hr) by the maximum annual hours of operation (4,380 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

i. Emission Limitation:

SO₂ emissions shall not exceed 0.40 lb/hr.

Applicable Compliance Method:

Compliance with the hourly SO₂ emission limitation shall be demonstrated by multiplying the SO₂ emission factor of 0.00067 lb/lb charged by the maximum rated capacity of the incinerator (600 lbs/hr).

The SO₂ emission factor was provided by the permittee and is based on a similar emissions unit as stated in the PTI application.

j. Emission Limitation:

SO₂ emissions shall not exceed 0.88 ton per year.

Applicable Compliance Method:

The tons per year emission limitation was developed by multiplying the short-term allowable SO₂ emission limitation calculated above (0.40 lb/hr) by the maximum annual hours of operation (4,380 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

k. Emission Limitation:

Visible particulate emissions from this emissions unit shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based on visible particulate emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

(1) None.